Detailed Report of activities of TEQIP III

Uma Nath Singh Institute of Engineering and Technology

October 2017- September 2020

Report Authenticated by

Director TEQIP-III
Prof. B.B. Tiwari
Co-ordinator-TEQIP-III
Uma Nath Singh Inst. of Engg. &
V.B.S. Purvanchal University, Jaunpur

List of Content

Vice Chancellor Message

I am pleased to learn that consolidated report for TEQIP-III activities (2017 to 2020) has been prepared under the coordinatorship of Prof. B B Tiwari Director/Coordinator TEQIP III at Uma Nath Singh Institute of Engineering and Technology- Facultyof Engineering and Technology, VBS Purvanchal University Jaunpur. Under this scheme the institute has been awarded a grant sum of Rs 11 crores so far. The performance of the institute in the project has been praise worthy as seen at the State as well as National level and the project has added a lot in the quality enhancement of the technical education at the University. New laboratories, around a dozen in number have been added, numerous academic activities for the faculty and students have been taken up and two International Conferences have been organised out of this grant. This volume comprises of all the details regarding various activities covered in this whole three years duration. I congratulate specially the Chairman Board of Governors Shri Rakesh Kumar Upadhyay ji, members Prof. L N Hazra, Shri AnimeshBisaria, Shri Shivraj Asthana, Shri Surendra Singh, Shri Aniruddha Singh, Dr. Prof. H V Ravindra for their consistent unentirely efforts to help the institute to grow beyond leaps and bounds in academics. I congratulate the team at the institute level who worked all through, even more involved during University holidays and vacations enabling to earn such laurels without whose effort it would not have been possible to make such a big dent in technical education.

 I extend my good wishes for success of the project and bid lot of congratulations for such a fiet.

Professor Nirmala S Maurya
Vice Chancellor

Preface

The Uma Nath Singh Institute of Engineering and Technology, the Faculty of Engineering and Technology of Veer Bahadur Singh Purvanchal University was established in 1997 to impart and promote quality Technical Education in the rural Purvanchal region of Uttar Pradesh. It was the very first University imparting Technical Education in the region with no industrial background and no resources enough to primarily support the sustenance of the engineering level activities in academics. Thanks to the visionary Vice-Chancellor Prof Prem Chand Patanjali who during the start of 21st century took interest to support the Technical Education in Purvanchal University whose current stature has become a normal citation by experts in the area of Technical Education.

The Institute offers B.Tech program in six branches of engineering viz Electrical Engineering, Electronics and Communication Engineering, Electronics and Instrumentation Engineering, Computer Science and Engineering, information Technology, Mechanical Engineering, M.tech in four specializations Communication System, Power systems, Thermal Engineering, Computer Science and Engineering and Ph.D programmes. Campus placement activity is on top priority and the outcomes of last three years in this direction are quiet encouraging. Passed out students of the Institute are today working with internationally acclaimed organizations. Students currently have earned laurels in internship in IITs and industries. Few teachers have earned their Ph.Ds recently from reputed institutions like IITs, NITs and Central Universities. This all indicates towards a quality engineering assignments being taken and quality products being discharged from the Institute. Its laboratories are well equipped and internet system is impressively in order. Institute has received TEQIP-III grants of World Bank through MHRD, GoI. It again reflects our capabilities that while the project was sanctioned in the fall of 2017 and by August 2019 we received additional PLAs of Rs 1 Crore through re-appropriation due to satisfactory performance in terms of expenditure vide CPA's lestter no. NPIU/TEQIP/2019-2020/240 dated August, 27, 2019. We have been recognized by NPIU as high-performing Institution.

This was a very involved journey during all these three years of the span of TEQIP-III in our Institute. We could organize 2 international conferences, some 40 activities with our twinning partners PES College of Engineering, Mandya, Karnataka (it needs a special mention, that our twinning programme has been appreciated by NPIU New Delhi), 3 internal FDPs, dozen of workshops including FDP outsourced, more than half a dozen industry visits by students in full-strength, ISRO visit, very interesting 8 programs with IED Lucknow, some hundred plus expert

talks, special program on Women Empowerment, several Art of Living Programs, very extensively organized and conducted induction programs, various outreach activities, skill development programs, remedial classes for students, PDTs in IIMs, ordered procurement exercises, GATE/ employability skill training to students, various kinds of R&D supports to teachers and PhD students, Alumni Meet, programs on social spiritual fronts like Pragya Pravah and Chanakya. Celebration of Engineers/ Science Day and over and above all rigorous placement activities round the years including Rojgar Mela each year for three years.

Actually working with TEQIP-III for all three years was an ever inspiring and involved experience. Under the flooded mails from NPIU/ SPIU/MHRD/ World Bank officials during all these years seeking directives, suggestions orders, implementation, reminders, it was a wonderful time to work with international authorities, work with National experts, visiting around the country and simultaneously performing up to mark in the assignments undertaken. I find be it fitting to express my gratitude to the World Bank lead Professor Francisco Molerezo, CPA Professor P M Khodke, the NPIU officials, SPA Dr Anil Kumar and his team at Lucknow, my team members at Jaunpur Shri MK Singh NOF, Dr Rajneesh Bhaskar NOP and Dr Ravi Prakash NOA and Mrs Jyoti P Singh, Shri Satyam Upadhyay, Mr Deepak Kumar Singh, Dr.Mohd. Aneesh, Shri Vishal Yadav, Shri RiteshBaranwal, Shri Sailesh Kumar Prajapati, TEQIP staff Shri Anil Kumar Maurya, Shri Ramesh Kumar who all through the journey of TEQIP-III have been displaying nobility in terms of their knowledge sharing and hard work. I feel immensely happy in presenting the report for all the previous three years. My sincere gratitudes are due to the immediate past Vice Chancellor Dr. Prof. Rajaram Yadav and Prof. Peeush Ranjan Agarwal during whose tenure TEQIP III was inducted and flourished due to their full fledged support and falicitation of free hand to execute the activities.

Prof. B B Tiwari
TEQIP –III Director/Coordinator

About Institute

The Uma Nath Singh Institute of Engineering and Technology started imparting teaching in the year 1997. Initially the institute launched its academic activities with strength of 100 students. In the year 2002, the institute raised the annual intake from 100 to 360. The institute in a very short span of time established all the facilities to impart effective education to students. The institute boasts of having adequate numbers of faculty members with other required facilities like the Computercentre, Fiber optics Laboratory, Microwave Laboratory, Instrumentation facilities, language lab, Computer labs, and Mechanical workshop.

Vision of the Institute:

To foster and promote technical education to meet societal needs pertinent to the Purvanchal region of the state.

Mission of the Institiute:

- To inculcate scientific and technological temper in youths to make them ready by problem solving attitude to cope up with the challenges of change in society that is occurring at a faster pace.
- To prepare world class engineers and researchers in allied areas who could contribute to humanity to grow in harmony and work out towards an all-round inclusive growth of the nation.
- To promote out of box thinking and indulging into innovation for technological and economic prosperity of the nation at a faster pace.

Department Profiles

Electronics Engineering

Vision

- Offering innovative learning platform through Teaching and Research in advanced areas of Engineering & Technology for welfare of society and easy life for human being.

Mission

- Offering curricular training in tune with time for advanced knowledge sharing with students
- Offering learning centric education so as to create pool of engineers for addressing the challenges of a demand based solutions in a rapidly changing technological environment
- Encourage and promote research activity through involvement of students & teachers on areas of local & global impacts.

Programmes offered by the Department:

1. B.Tech in Electronics & Communication Engineering.
2. B.Tech in Electronics & Instrumentations Engineering.
3. M. Tech in Communication Engineering.
4. Ph.D

Head of Department:
Professor (Dr.) B BTiwari (2001)
M. Tech - E&C Engg. (1986) University of Roorkee,
Ph.D – I E T, Lucknow(1993)

Faculties/ Staff

A.   Regular Faculty:

S. No.	Name/ Designation	Qualification	Working Since	Specialization
1	Prof. B BTiwari Professor	M.Sc, M.Tech, Ph.D. (Roorkee)	2001	Communication, Photonics
2	Dr. Ravi Prakash Asst. Professor	B.Tech., M.Tech., Ph.D. (Allahabad)	2001	Optical Fiber Communication

B. **Contractual Mode:**

S. No.	Name	Designation	Qualification	Working Since	Specialization
1	Mr. Praveen Kumar Singh	Assistant Professor	B.Tech.,M.Tech.	2005	Digital Systerm
2	Mr.Shailesh Kumar Prajapati	Assistant Professor	B.Tech.,M.Tech.	2010	Embedded System & Technology
3	Mr.Sudhir Singh	Assistant Professor	B.Tech.,M.Tech.	2011	Instrumentation & Control
4	Mr.RiteshBaranwal	Assistant Professor	B.Tech.,M.Tech.	2008	Communication System
5	Mr. Ajay Kumar Maurya	Assistant Professor	B.Tech.,M.Tech.	2008	Digital Communication
6	Mr.TusharSrivastava	Assistant Professor	B.Tech.,M.Tech.	2010	Optical Fiber Communication
7	Mr. Vishal Yadav	Assistant Professor	B.Tech.,M.Tech.	2010	VLSI Design
8	Ms.PoonamSonkar	Assistant Professor	B.Tech.,M.Tech.	2013	Wireless Communication
9	Mrs.Jyoti P Singh	Assistant Professor	B.Tech.,M.Tech.	2015	Control System & Energy Management
10	Mrs.Preeti Sharma	Assistant Professor	B.Tech.,M.Tech.	2015	Microstrip Antenna
11	Dr.Mohd. Aneesh	Assistant Professor	B.Tech., M.Tech., Ph.D.	2018	Antenna and Wave Propagation, Microwave
12	Mr.Prem Chand Yadav	Assistant Professor	B.Tech.,M.Tech.	2018	Image Processing
13	Mr.Santosh Kumar Tripathi	Assistant Professor	B.Tech.,M.Tech.	2018	Advance Communication System
14	Mr. Deepak Kr. Singh	Assistant Professor	B.Tech, M.Tech.	2018	Photonics & Optical Fiber Communication
15	Mr.ParulTrivedi	Assistant Professor	B.Tech., M.Tech.	2018	VLSI Design

C. Staff:

I. Office Staff:
1. Sh. RakeshKumar (Office Asstt.)
2. Sh. Rajesh Mittal (Office Asstt.)
3. Sh. BankeYadav (Office Asstt.)

II. Laboratory Staff:
1. Sh. Mailesh Kumar (Lab Asstt.)
2. Sh. Jai Singh (Lab Asstt.)

Main streams of specialisation:

(i) Photonics & Optical Communication
(ii) Communication Engineering
(iii) V L S I Technology
(iv) R F & Radio Systems
(v) Instrumentation

Number of Seats: B. Tech Program (Intake: 60 in each)
M. Tech Program (Intake: 25)

Eligibility: As per UPTU / AICTE norms.

Campus Placement: Almost 57% of students placed through campus recruitment drives.

➢ **B Tech (ECE & EIE)**

S. No.	Session	% Student Placed	% Average Placement
1	2018-19	24	
2	2017-18	36	57
3	2016-17	25	

Technical Education Quality Improved Program (TEQIP-III)

The Department/ Institute is beneficiary of grant under TEQIP-III from World Bank. Under this scheme various academic activities have been performed for the benefit of students and Teachers. These include:

- **Industrial Visits & Training**: Students have visited to industries & R & D organisation in last three years Tata Steel, Shimla, Amritsar, Rudrapur, Nainital, Haridwar, Bangalore, Mysore, Bombay, Hyderabad, Roorkee, New Delhi, IITs, IIITs. They received summer internship in reputed organisations in the country & industrial states.

- **Induction program for 3 weeks for 1st year students organised:**For harvesting full benefits for the students from the grants of TEQIP-III, AICTE New Delhi has mandated several activities out of which induction program for the new entrants in the institute is one which impacts directly upon the students to shape the raw Engineers follow the norms and ethics of the Novel Profession. Under the guidelines of TEQIP- III a complete 3 weeks Induction Program has been drawn and strictly adhered to. These programs include interaction with experts of all walks of life, program on Art of Living, Yoga, Various Physical activities, sports, industrial visits, local sightseeing, expert talk and the Freshers Function. We have drawn the experts like Prof P C Patanjali, former Vice –Chancellor of VBS Purvanchal University and Bhagalpur University, Prof I. Ramchandra Reddy, Prof. P. Natarajan from Hyderabad, Dr AnuradhaDhara, Prof KalyanChakravarti, Ms.VandanaSheron, Prof. Praveen Prakash, Dr Chhaya Singh and Prof. R K Singh from Allahabad University.

- **Summer Internship program**was organized for 2nd year passed students from 27.05.2019 to 08.08.2019. Various experts for each department were invited to impart theoretical as well as hands on rigorous trainings for continuous two months. Experts from industries as well as research organizations and free lancers in areas of Science technology and skill developments were invited. Mr.SayedAbdurRaufMagrabi, Robotics Trainer, Dbeerpura, Hyderabad,; Mr. G.K. Upadhyay, Ex Meber Telecom Department, Gaziabad; Mr.Neeraj Kr. Srivastava, Associater Professor, UIM Allahabad; Mr.Chetan HR, Asst Professor EE Dept, Karnataka, Mr. A P Natrajan, Hyderabad etc were invited.

- Mutual Visits to Twinning Partner at PES College of Engineering,Mandya(Karnatka).
- Soft Skill development programs.
- Entrepreneurship Development programs through the Institute of Entrepreneurship Development, Lucknow, U. P.

- ➢ Students Participation in Hackethon.
- ➢ Expert Talks for students.
- ➢ Students Participation in Celebrations like National Science Day, Engineers' Day, Teachers Day etc.
- ➢ Placement Activities.
- ➢ We had organised very successfully International Conference on ICEECS-2020 during Jan 10-11,2020.
- ➢ An FDP on Recent Advances in Communication &Photonics organised during July 08-12,2019.

- ➢ **Alumni Meet**: First Alumni Meet was held on 10.11.2018 in the institute premises. First batch of the students got assembled to interact with teachers, students and shared their experiences as well as expertise with the fraternity of the institute. It was a leap initiative in starting the formation of Alumni Association.

FDP Organised:

Faculty Development Program (FDP) on **RECENT ADVANCES IN COMMUNICATION & PHOTONICS** was organized at the Department of Electronics Engineering, Uma Nath Singh Institute of Engineering & Technology, Veer Bahadur Singh Purvanchal University, Jaunpur under the Twinning Program Initiative with P E S College of Engineering, Mandya, Karnataka under TEQIP III from July 08, 2019 to July 12, 2019. The two participating Departments were the Department of Electronics Engineering, Uma Nath Singh Institute of Engineering & Technology, Veer Bahadur Singh Purvanchal University, Jaunpur and P E S College of Engineering Mandya. The main objective of this program is to make the participants aware of the recent developments in Photonics and Nanotechnology so that they can update their knowledge in this area and explore for further research. It was also expected that as the participants are all faculties of different educational institutions, the knowledge gained will be shared and further passed on to the students. The FDP was attended by 54 participants from faculty members of ECE, EE, CS, IT, Physics, Mathematics, Chemistry department of different colleges.

Key Speakers:

- Dr VipulRastogi, IIT, Roorkee.
- Prof. B. B. Tiwari- V.B.S.P.U. Jaunpur.
- Prof. Ajay Shankar- GJUS&T Hisar
- Prof.Devendra Mohan - GJUS&T Hisar
- Dr. Raj Kumar, Advanced Photonics Division, CSIO Chandigarh
- Dr T. Srinivas, Dept of ECE, Applied Photonic lab IISc, Bangalore.
- Dr Gopal Hegde, Nanotechnology, IISc, Bangalore.
- Dr P C Srikanth, MCE, Hassan.
- Dr D.N Nagalaxmi, Transfusion medicine, Hassan Institute of Medical Sciences.

ConferencesOrganised:

➢ **The department very successfully organised an International Conference on Electrical Electronics & Computer Science (**ICEECS-2020) during Jan 10-11, 2020. More than 300 participants together with galaxy of top technocrats, professors, cheaf of organisations and experts from industries participated. The conference was inaugurated by Prof Sang WonYoon, USA, Prof L N Hazra, Calcutta, Prof PeeushRanjanAgrawal, former Vice Chancellor, GopalHegde, IISc Bangalore, ShriRKUpadhay, Former CMD BSNL, Dr. Anil Kumar SPA, Lucknow. Research scholars were also attracted in the academics partricipation. 10 planery talks and 10 invited talks and more than 100 contributory papers and even number of poster presentations in 11 sessions were the central attraction of academic activities. Separate tutorial sessions for students were slotted.

Experts having visited in the Department in last 3 years:

1. Prof.PritamBabu Sharma, Vice Chancellor
2. Prof.NareshChandra Gautam, Vice Chancellor
3. Prof.PeeushRanjanAggrawal, Vice Chancellor
4. Prof. Sunder Lal, Vice Chancellor
5. Prof Kuldeep Chand Agnihotri, Vice Chancellor
6. Dr. P C Patanjali, Former Vice Chancellor VBS Purvanchal University, Jaunpur
7. Prof. L N Hazra, Calcutta University
8. Sh. Aniruddha Singh, JSPL Pune
9. Sh. Surendra Singh, ONGC Pune
10. Sh. ShivrajAsthana, Dezaview, USA
11. Prof. A P Natrajan, Director Victoria Training Foundation, Chennai
12. Dr.AnuradhaDhara, Sr. Manager HR, Chennai
13. Dr. Shubra Mal-Free Lancer Musician
14. Dr.Nandini Prasad K S , Associate Professor , Dept of CS, AIT Bangalore
15. Dr.Nandini N, Associate Professor , Dept of CS AIT Bangalore
16. Dr.Nagaveni V , Associate Professor , Dept of CS , Acharya Institute of Technology , Bangalore
17. Dr.VibhaTripathi , Sr. Faculty institute of Entrepreneurship Development, Lucknow
18. ShriHanumantRao, National Treasure, Vivekanand Kendra, Kanyakumari
19. Dr. M C Trivedi, Associate Professor, NIT Agartala
20. ShriRakeshKumar Upadhyay , Former, CMD BSNL, India
21. Prof.RakeshUpadhyay, FMS BHU , Varanasi
22. Mr.Arun Kumar Singh, Sr. Automation Engg.NNE, Bangalore
23. Mr. Rahul Bajpai, Manager Norton Grinder, Saint Gobain, Gurugram

24. Mr.AnimeshBisaria, Senior Vice President, Integra Micro System, Bangalore
25. Mrs AnupamSaxena , HOD Science, Presidency School , Bangalore
26. Dr ChhayaSingh , Naturopathy Expert
27. Prof.JaswantSingh , Professor, Dr RML Avadh University, Ayodhya
28. Dr Sarvesh Kumar, Associate Professor , IISER, Trivendrapuram, Kerala
29. Mrs.Niharika , State Youth Programmer , Art of Living , Bangalore
30. Mr.Anurag, State College Programme Co-ordinate, U.P.
31. Prof.AnjuKumari, Professor at Patanjali, Haridwar
32. Mr.Shekhar Mishra, Proficiency Expert
33. Mr. J P Singh, Lecturer
34. Dr.Arun Kumar Singh, Dept of Philosophy, T D College
35. Mr. V K Mishra, SSP Jaunpur
36. Prof.Devendra Mohan, GJUS&T Hissar
37. Prof ShekharVerma, IIIT Allahabad
38. Dr. Ajay Shanker, GJUS&T, Hissar
39. Dr.Kartik Seth, Technical Director, AMITEC, New Delhi
40. Dr. David Joseph, GJUS&T, Hissar
41. Dr Manish Kumar IIIT Allahabad
42. ShriHari Shankar Gupta, Space Application Centre ISRO Ahemdabad
43. Dr.SonaliAgarwal, IIIT Allahabad
44. Prof P K Jain , IIT BHU Varanasi
45. Dr. D K Mishra, ISTRAC ISRO Lucknow
46. Dr. M MZaheer, ISRO Lucknow
47. Prof PoojaNagpal, PES Mandya
48. Prof.Chandrika, PES Mandya
49. Prof.Suman, PES Mandya
50. Prof. D R Umesh, PES Mandya
51. Prof. S Vinay, PES Mandya
52. Prof. H V Ravindra, PES Mandya
53. Prof. Dinesh Prabhu, PES Mandya
54. ShriKaushikKapuria, Art of Living Faculty, Bangalore, SELP Program
55. ShriJai Singh Guhilaut, Art of Living Faculty, Bangalore, SELP Program
56. Smt. VandanaAwasthy, Art of Living Faculty, Bangalore, SELP Program
57. ShriKaushalGrewal, Art of Living Faculty, Bangalore, SELP Program
58. Prof. T Srinivas, IISc Bangalore
59. Prof. P C Srikanth, MCE, Hassan
60. Prof.GopalHegde, IISc Bangalore
61. Prof.JagdishRai, IIT Roorkee
62. Prof. U S Tiwary. IIIT Allahabad
63. Prof. G C Nandi. IIIT Allahabad
64. Prof.Asheesh Kumar Singh, MNNIT Allahabad
65. Prof.Anil Kumar Tripathi, IIT BHU Varanasi

66. Dr.NeeteshPurohit, IIIT Allahabad
67. Er. Amit Kumar Singh, ISRO Bangalore
68. Mr.AmareshShukla, BHEL Bhopal
69. Prof.Bhim Singh, IIT Delhi
70. Prof.RadhakrishnaRao, PES Mandya
71. Prof.Nagratna, PES Mandya
72. Prof. ML Anitha, PES Mandya
73. Mr.Sharathvedala, R & D Engineer, Meerpet, Telangana
74. Mr.SagarKirangi, Sr. Application Engg, VI Solutions, Bangalore
75. Mr.Jeejesh Kumar V, Sr. Application Engg, VI Solutions, Bangalore
76. Dr. M K Mishra, Professor, IIIT Allahabad
77. Mr. P Mohan Kumar Gandhi, Consultant Trainee, Hyderabad
78. Mr.SayedAbdurRaufMagrabi, Robotics Trainer, Dbeerpura, Hyderabad
79. Mr. G.K. Upadhyay, Ex Meber Telecom Department, Gaziabad
80. Mr.Neeraj Kr. Srivastava, Associater Professor, UIM Allahabad
81. Mr.Chetan HR, Asst Professor EE Dept, Karnataka
82. Mr.Dhyan Chandra, Post Doctoral Fellow, Dept of Computer Application, VBSPU
83. Mr.PingnaganPranavam, Director Botany Lab, Bangalore
84. Mr.SurajParhi, Project Coordinator, D B School Ranchi
85. Mr. Mahesh Kumar , Assistant Professor, Karnataka
86. Dr.Brijesh Kumar Bhardwaj, Associater Professor, Dr. RML Awadh University, Ayodhya
87. Dr.ShyamPrakashKashyap, AssociaterProfessor,Maharaja Balwant Singh College, Varanasi

Laboratories Established

- Digital Electronics Lab
- Electronics Engineering Lab
- PCB and workshop
- Communication Engineering Lab
- Optical Fiber Communication/Photonics Lab
- CAD Lab
- Measurement Lab
- Instrumentation Lab
- Sensor and Transducer Lab
- Microcontroller Lab
- Telemetry Lab
- Microwave Lab
- Microprocessor Lab
- Advance Communication Lab

- DSP Lab
- Fiber Optics and Photonics Lab

Fiber Optics and Photonics Lab:

This lab has been recently established in the department in the month of October, 2020. The following equipments are purchased whose total cost is Rs 58,85,047:

- Vibration Table
- Fiber Optic Hardware Kit

This will suffice to the requirement of study and research in optical metrology, optical fiber sensing, and optical communication and systems. This facility evolves through single mode fiber optics and high speed Lasers and Detector diodes. This makes a unique facility in the entire Northern Region of the country where suitable manpower could be created in this emerging field through academics.

Softwares Procured

- Lab View
- MULTISIM
- ORCAD
- OptSim.
- Cadance
- Xilin

Research Information:

1. Candidates Registered in Ph.D. (Research Scholar)   : 08
2. Total International/National Journal Publication(s) : 65

Achievements of the Department Faculty:

1. Prof. B BTiwari

➢ List of Publications in International Journals: (last 10 years only)

1. A review on Quantum Well Structures in Photonics devices for Enhanced Speed and Span of the Transmission Network. Indian Journal of Physics vol. 84, issue 8, pp. 1031-1037, Oct. 2010.
2. Wireless Sensor Network: an emerging entrant in healthcare. IOSR Journal of Computer Engineering (IOSR-JCE) ISSN: 2278-0661 Volume 4, Issue 4 (Sep.-Oct. 2012), PP 43-48.
3. A review on Cooperative Communication with Relay. Imp. J. Interdisplinary Research vol. 2 Issues 9, 2016, pp. 1126-1129.
4. Chronic Kidney Disease: A Predictive model using Decision Tree. International Journal of Engineering Research and Technology, ISSN 0974-3154, vol. 11, Number 11(2018), pp. 1781-1794.
5. Performance Analysis of Low Code Rate and High Constraint Length Convolutional Encoder on OIDMA system with Avalanche Photodetector. Global Journal of Engineering Science and Researchers, ISSN 2348-8034, DOI-10.5281, June 2019
6. Skin disease prediction using ensemble methods and a new hybrid feature selection technique. *Iran J ComputSci* (2020). https://doi.org/10.1007/s42044-020-00058
7. Prediction of benign and malignant breast cancer using data mining techniques. *Journal of Algorithms & Computational Technology*, *12*(2), 119-126 (2018)
8. Constraint length inflation in fixed high rate convolutional codes and their impact on performance of O-IDMA. Indonesian Journal of Electrical Engineering and Computer Science, Vol. 20, No. 2, November 2020, pp. 837~844, ISSN: 2502-4752, DOI: 10.11591/ijeecs.v20.i2.pp837-844
9. Comparative Efficacy Estimation of OIDMA System using Gaussian and Soliton Pulses for Long Haul Communication. Test Engineering & Management, January-February 2020, ISSN: 0193-4120 Page No. 16293 – 16300.
10. Performance estimation of O-IDMA with optimum design convolutional codes using prime inter-leavers. International Journal of Modern Trends in Engineering & Research, ISSN 2349-9745, DOI: 10.21884 (2018).
11. Contrastive Performance Analysis of US-OIDMA using Different Code Rate and Constraint Length. International Journal of Advanced Science and Technology, Vol. 29, No. 9s, (2020), pp. 7370-7384.

➢ FDP/Workshop/Seminar/STC Attended:

1. National workshop on Renewable Energy Sources, IET, Lucknow, March 24-25, 1990.

2. UP Start-up conclave Entrepreneurship& Innovation in Academic Institutions- Challenges & Opportunities, IIT Kanpur.

3. XLI Conference of Optical Society of India, organised by Deptt. of Physics, GJUS&T, Hisar, Nov. 23-26, 2017.

4. 6 days Training Program on Academic Leadership by Centre of Academic Leadership & Education Management AMU, Aligarh underthe scheme of Pandit MMMNM on Teachers & Training (MHRD), Gov. of India.

5. Management Capacity Enhancement Program for Teaching Staff organised by ESCI at Port Blair, Jan. 28 – Feb. 01, 2018.

6. TEQIP workshop on Nano materials Based Low Cost Sensor Design for Application in IoT, IIT Hyderabad, April 2-6, 2018.

7. Achieving Excellance in Engineering Education. CSDEC, IE(I) Shimla, May 24-28,2018.

8. Machine Learning with Python organised by UIET Punjab University, Chandigarh, May 28 – June 02, 2018.

9. Advanced Pedagogy & Management Capacity Building Training for Engineering Faculty & Senior Administrations. Organised by ESCI (IE(I)) at Gangtok, June 21-25, 2018.

10. Executive Program by Art of Leaving, Bangalore S.P.I.U. UP, April 19-21, 2019.

11. Strategic Quality Initiatives in Technical Education organised by ESCI at Lakshadweep.

12. Improving Teaching, Learning & Research Competence organised by ESCI at Leh-Laddakh, June 25-29, 2019.

13. Engineering Trends in High Frequency Equipment. IET Faizabad, July 21-25, 2019.

14. Growth of Science & Technology in the campus of Purvanchal University. Sponsored by TEQIP – III, VBSPU, Sept. 8-10,2019.

15. International Conference and Workshop on Optics & Electro Optics. XLIII Symposium of Optical Society of India, IRDE Dehradun, Oct 19-22, 2019.

16. IEEE workshop on Recent Advances in Photonics. Organised by Deptt.of Physics, IIT Guwahati, Dec. 13-14, 2019.

17.Continuing Education Programme Next Generation Telecommunication and Networking Technology,Indian Institute of Technology Kharagpur,10-21 July,2000.

18.Tutorial Seminar on Contemporary Topics in Fiber and Integrated Optic, Indian Institute of Technology Delhi   22-24 December 1999.

19.Short Courses on Optical Amplifier, Indian Institute of Technology Delhi, 21 March 1997.

20.Telematics Communication, Signal processing and Network Indian   Institute   of Technology Kharagpur, 27 December-8 January 1994.

21.Special Course on Automation in Industry by the Indian Society For Technical Education &The Tata Iron and Steel Company Limited Jamshedpur,14-19 June 1993.

22. ISTE winter School on Environmental Management by Institute of Engineering & Technology Lucknow,20 Dec-4 Jan 1992.

23. Intensive Course on Information Technology by Indian Telephone IndustryMankapur& C.E.D.T. Gorakhpur 25-30 Nov. 1991.

24. ISTE Summer School on Awareness Program for Utilisation of Education Television Facilities by Indian Institute of Technology madras,14 -26 May 1990.

25. Short Term Course on Transducers & Instrumentation University of Roorkee,18-30 June 1990.

2. Dr. Ravi Prakash:

➢ List of Publications:

1. Constraint length inflation in fixed high rate convolutional codes and their impact on performance of O-IDMA.Indonesian Journal of Electrical Engineering and Computer Science, Vol. 20, No. 2, ISSN: 2502- 4752, November 2020.

2. Contrastive Performance Analysis of US-OIDMA using Different Code Rate and Constraint Length. International Journal of Advanced Science and Technology, Vol. 29, No. 9s, ISSN: 2005- 4238, June 2020.

3. Comparative Efficacy Estimation of OIDMA System using Gaussian and Soliton Pulses for Long Haul Communication. Test Engineering and Management, Vol. 82, ISSN: 0193- 4120, January-February 2020.

4. Impact of code rate and constraint length variation on qualitative performance of OIDMA system with random interleaver. Optik International Journal for Light and Electron Optics, February 2020.

5. Performance Analysis Of Low Code Rate And High Constraint Length Convolutional Encoder On OIDMA System With Avalanche Photodetector. Global Journal of Engineering Science And Researches, Vol. 6(6), ISSN 2348 – 8034, June 2019.

6. Competency Estimation Of Fixed Constraint Length Convolution- ally Coded O-IDMA System Using Multifarious Inter-Leaver. ARPN Journal of Engineering And Applied Sciences, Vol. 14, No. 2, January 2019, ISSN: 1819- 6608, January 2019.

7. Performance Estimation Of O-IDMA With Optimum Design Convolutional Codes Using Prime Inter-Leavers. International Journal of Modern Trends in Engineering and Research (IJMTER), Volume: 5, Issue: 04, ISSN: 2349– 9745, April 2018.

8. Impact of Multifarious Design Architectures of Convolutional Encoders on Efficiency of OIDMA at Zero Dispersion Fiber. International Journal of Engineering and Technology, Vol. 7(4),2018.

9. Performance Analysis of O-IDMA with Tree InterLeavers using Various Design Topologies of Convolutional Encoder. Journal of Emerging Technologies and Innovative Research (JETIR), Volume 5, Issue 9, ISSN-2349- 5162, September 2018.

10. Network Topology Variation of Convolutional Coders on Performance of O-IDMA with Random Interleaver. International Journal For Advance Research In Engineering And Technology, Volume 6, Issue I, Journal-43847 ,Issn 2320- 6802, Jan 2018.

11. Qualitative Analysis of Optical Interleave Division Multiple Access Using Specific Seed length Prime Inter-leaver. International Research Journal of Engineering and Technology (IRJET), Volume: 04 Issue: 06 pISSN: 2395- 0072 , e-ISSN: 2395 -0056, June -2017.
12. Effect of Processing Gain Variation on Optical Interleave Division Multiple Access at Minimum Loss Optical Window Using Random Inter-leaver. International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE), Volume 6, Issue 7, ISSN: 2278 – 909X, July 2017.
13. Artificial Neural Network Model For Analysis Of Elliptical Microstrip Patch Antenna. IMPACT: International Journal of Research in Engineering & Technology (IMPACT: IJRET), Vol. 2, Issue 4, ISSN(E): 2321-8843; ISSN(P): 2347-4599, Apr 2014.
14. Cooperative Diversity Analysis using DF Relay Network over Rayleigh Fading Channel. International Journal of Innovative Research in Computer and Communication Engineering, Vol. 3, Issue 10, ISSN(Online): 2320-9801 ISSN (Print): 2320-9798, October 2015.
15. Continuous Mode of Sepic Converter using Separately excited DC Motor Load. GJCAT, Vol. 2(1), 2012.
16. Annunciation system based on mini Microcontroller. International conference on Emerging trends in Robitics and communication technologies, 2010.
17. Digital Audio Broadcasting. ACCES - 2012) 12 -13 April,2012.
18. Performance Analyis and Comparison of optical IDMA with optical Coded IDMA Using Various Types of Interleaver. (ICETEESES 16), 11th -12th March 2016.
19. Effectiveness of Processing Gain on Optical Interleaver Division Multiple Access with Zero Dispersion Fiber using Tree Inter – Leaver. IEEE Conference: Recent Advances on Engineering, Technology and Computational Sciences (RAETCS), 2018.

➢ FDP /PDT/Workshop/Webinar Participated:

1. RF and Microwave Engineering with emphasis on Hand-on lab exercises. 14-26 June2011, FDP AIT Delhi.
2. Recent Advances in Microwave Circuit Design. 18-25 August- 2012, National Workshop SIT Mathura.
3. MATLAB and Simulink Programming. 04-08 Feb. – 2014, FDP MJPRU Bareilly.
4. Numerical Computation using MATLAB. 26-30 Nov. – 2015, Workshop V.B.S. Purvanchal University, Jaunpur.
5. RF/Microwave Systems and Photonic Sensors. 14-19 April 2016, Interaction Course Dept. of Electronics VBSPU, Jaunpur.
6. NSS Training and Orientation Programme. 25-31 May 2016, Program Officers ETI Agra.
7. Strategic Quality Initiatives in Technical Education. 09-13 May 2019, National Workshop Lakshadweep, ESC India.
8. Management Development Program for Teaching Staff. 24-28 May 2019, Ooty, ESC India.
9. NBA and NAAC Accreditation. 18-22 June 2019, National Workshop Gangtok Sikkim, ESC India.
10. Recent advances in communication and photonics. 08-12 June 2019, FDP, Dept. of Electronics VBSPU, Jaunpur.

11. Cryptography and Cyber Security. 14-18 Sept. 2019, FDP, Dept. of Electronics VBSPU, Jaunpur.
12. Art of Living. 19-21 April 2019, Executive Program, SPIU Jaunpur.
13. Equity and Women Empowerments. 15-16 March 2019, National Conference COEP Pune.
14. Digital Pedagogies. 01-02 April, AICTE Delhi.
15. RM and Ethical Issues in Research. 06-07 Sept. 2019, Workshop Dept. of Electronics VBSPU, Jaunpur.
16. Accounts and Audits. 12 Sept. 2019, SPIU Lucknow.
17. Recent advances in communication and photonics. 08-12 July 2019, Convenor FDP Dept. of Electronics VBSPU, Jaunpur.
18. Workshop on "Lasers, Fiber Optics andOpticalCommunications,Fiber Sensors" March 06-07, 2020 at IWSA Vashi, Mumbai organised by IWSA & NASI.

3. Mr. RiteshBarnawal

➢ List of Publications:

1. Performance evaluation of different phase rotation on OFDM signals. IJSRP, Vol.2/Issue 5, ISSN/ISBN 2250-3153, May 2012.
2. Optimisation of PAPR using HPA and Amplitude Clipping Reduction Technique. IJIRCCE, Vol.3/Issue 4, ISSN/ISBN 2320-9801, April 2014.
3. Effect of different modulation on PAPR and its reduction. IJCSET, Vol.3/Issue 8, ISSN/ISBN 2229-3345, August 2012.

➢ Workshops/Seminars Attended:

1. Participated in 3days workshop on OBE form 12-14 October, 2018, Organized by VBSPU, Jaunpur and Sponserd by TEQIP-III.
2. Participated in 3days workshop on Growth of Science&Technology in the campus of Purvanchal University from 08-10 September, 2017, Organized by VBSPU ,Jaunpur and Sponserd by TEQIP-III.
3. Participated in workshop on Research Methodology and Ethical Issue in Research 6 to 7 September 2019 at VBSPU,Jaunpur.
4. Participated in workshop on Numerical Computation using MATLAB held from 26 to 30 November 2015 at vbs PU Jaunpur.
5. Participated in the Seminar on Role of CST in U.P. in promotion of Science and Technology and Facilitation of IPR Protection during 8 to 9 December 2016.

➢ STC/FDP Attended:

1. STC on "Fundamental and Characterization of Solar cell" in IIT Kanpur from 19thfebruary to 23rd February,2019

2. Participated in 4 days Faculty Development Programe on IPR and Plagiarism, from 20-23 September, 2018, Organized by VBSPU, Jaunpur and Sponserd by TEQIP-III.
3. FDP on recent advances in communication and photonics during 8 to 12july 2019 at vbs p u Jaunpur.
4. FDP on recent advances in Mechanical Engineering during 6 to 10 November 2019 at vbs p u Jaunpur.
5. FDP on Cryptography and Cyber Security during 14 to 18 September 2019 at vbs p u Jaunpur.
6. FDP on Business Opportunity Guidance and Project Preparation during 25 to 27 October 2017 at Vbs PU Jaunpur.
7. Attended one weak interaction course on RF/ Microwave System and Photonics Sensor Organised by Department of Electronics ,VBSPU during 14 to 19 April 2016.
8. Participated in the program FDP on Business Opportunity Guidance and Project Preparation during 25 to 27 October 2017 at VBSPUJaunpur.

4. Shailesh Kumar Prajapati

➤ FDP /PDT/Workshop/Webinar Participated:

1. Scientific Computing with Python for Electrical Engineers conducted by IIT Bombay during February 11-15, 2019.
2. One week Training program on NBA Accreditation Process conducted by PES College of Engineering Mandya-571401, Karnatka during January 3-8, 2019.
3. Pedagogical workshop on Complex Fluids and Geophysical Flows conducted by IIT KANPUR during December 3-16, 2018.
4. Scientific Learning with Python conducted by Shri Mata Vaishno Devi University Kakryal Campus-182320 Katra (Jammu & Kashmir) during May 25-29, 2019.
5. Professional Development Training (PDT) conducted by IIM Raipur during January 29-February 02, 2018.
6. Workshop on NBA & OBE Conducted by VBSPurvanchal University Jaunpur on October 09, 2018.
7. Faculty Development Program on Recent advances in Communication and Photonics Conducted by vbsPurvanchal University Jaunpur on July 08-12, 2019.
8. Wireless Charging for Autonomous Electrified micro-mobility Devices: A real world solution for Smart cities to be pandemic 30 June 2019
9. Big Data and Covid-19 Technologies and Applications by Anil Maheshwari professor of Information System at Maharishi International Universitry, U.S.

5. Ajay Kumar Maurya
➤ List of Publications:

1. Constraint length inflation in fixed high rate convolutional codes and their impact on performance of O-IDMA. Indonesian Journal of Electrical Engineering and Computer Science, Vol. 20, No. 2, ISSN: 2502- 4752, *November 2020.
2. Contrastive Performance Analysis of US-OIDMA using Different Code Rate and Constraint Length. International Journal of Advanced Science and Technology, Vol. 29, No. 9s, ISSN: 2005- 4238, June 2020.
3. Comparative Efficacy Estimation of OIDMA System using Gaussian and Soliton Pulses for Long Haul Communication. Test Engineering and Management, Vol. 82,ISSN: 0193-4120, January-February 2020.
4. Impact of code rate and constraint length variation on qualitative performance of OIDMA system with random interleaver. Optik International Journal for Light and Electron Optics, ISSN 0030-4026, February 2020.
5. Performance Analysis of Low Code Rate And High Constraint Length Convolutional Encoder On OIDMA System With Avalanche Photodetector. Global Journal Of Engineering Science And Researches Vol. 6(6), ISSN 2348 – 8034 June 2019 136-142.
6. Performance Estimation Of O-IDMA With Optimum Design Convolutional Codes Using Prime Inter-Leavers International Journal of Modern Trends in Engineering and Research (IJMTER) Volume: 5, Issue: 04, ISSN: 2349– 9745 April 2018.
7. Impact of Multifarious Design Architectures of Convolutional Encoders on Efficiency of OIDMA at Zero Dispersion Fiber International Journal of Engineering and Technology Vol. 7(4), 2018.
8. Performance Analysis of O-IDMA with Tree InterLeavers using Various Design Topologies of Convolutional Encoder Journal of Emerging Technologies and Innovative Research (JETIR) Volume 5, Issue 9, ISSN-2349- 5162 September 2018.
9. Efficacy Estimation of OIDMA with Convolutional Codes of Variable Constraint Lengths at Merest Loss using Multifarious Inter-leaver Indian Journal of Science and Technology Vol 11(16), ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645 April 2018.
10. Analysis Of The Effect Of Processing Gain On Optical Coded IDMA at Minimum Loss Using Random And Tree Inter-Leaver ARPN Journal of Engineering and Applied Sciences Vol. 12, No. 24, ISSN 1819-6608 December 2017.
11. User Spread Optical Interleave Division Multiple Access Scheme (US-OIDMA) For High Speed Transmission With Zero Dispersion Fiber ARPN Journal of Engineering and Applied Sciences Vol. 12, No. 24, ISSN 1819-6608 December 2017.
12. Network Topology Variation of Convolutional Coders on Performance of O-IDMA with Random Interleaver International Journal For Advance Research In Engineering And Technology Volume 6, Issue I, Journal-43847 eISSN 2320- 6802 Jan 2018.
13. Qualitative Analysis of Optical Interleave Division Multiple Access Using Specific Seed length Prime Inter-leaver International Research Journal of Engineering and Technology (IRJET) Volume: 04 Issue: 06 pISSN: 2395- 0072 , e-ISSN: 2395 -0056, June 2017.
14. Effect of Processing Gain Variation on Optical Interleave Division Multiple Access at Minimum Loss Optical Window Using Random Inter-leaver International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE) Volume 6, Issue 7, ISSN: 2278 – 909X July 2017.

15. Artificial Neural Network Model For Analysis Of Elliptical Microstrip Patch Antenna IMPACT: International Journal of Research in Engineering & Technology (IMPACT: IJRET) Vol. 2, Issue 4, ISSN(E): 2321-8843; ISSN(P): 2347-4599, April 2014.

6. Vishal Yadav

➢ List of Publications:

1. Design and analysis of low power latch sense amplifier published in iosr journal of electronics and communication engineering vol9, issue 6,Nov-dec,2014.
2. Design and analysis of sense amplifier in IJETAE,vol 4,issue 12, December,2014.

➢ FDP/Workshop/Seminar Attended:

1. Engineering Education and Research seminar in Bhopal 9th may 2018.
2. Summer training Program on Active learning in IIT Kanpur 21-25 May 2018.
3. Workshop on Electronic Circuit Design using EDA tools during 2-7 July 2018 at PESCE mandya, Karnataka.
4. Faculty Development program at DeenBandhuChhoturan University Mathal Haryana on Engineering Trades in Optical for all Domain application (ETODA) 11-15 March 2019.
5. 12-14 October workshop on OBE VBSPU Jaunpur.
6. FDP on IPR and Plagiarism 20-23 September 2018 VBSPU Jaunpur.
7. Workshop on NBA & OBE 9th Oct 2018, VBSPU, Jaunpur.
8. Faculty development program on '' Recent advances in communication and photonics 8-12 July 2019 at VBSPU jaunpur.
9. Faculty Development Program Recent advances in VLSI Design and hands on cadence tools. 15-19 July 2019. At PESCE Mandya Karnataka.

7. ParulTrivedi

➢ List of Publications:

1. RKTG Pair amplifier with gain boosting stage American International Journal of Research in Science, Technology, Engineering and Mathematics, Vol. 1/15 2328-3580(online) 2019.
2. Leakage Reduction in 90nm PD SOI MOSFET using Halo Doping International Journal of Electronics and communication Technology (IJECT) Vol. 3/3 22307109(online) 2012.

➢ Conference Publications:

1. Design and Verification of nMOSFET for Low Leakage at 90nm Process Technology CSNT-2013(IEEE Conference) International 6-8 April 2013/Gwalior 978-0-7685-4958-3

2. A Low Voltage, Highly linear, Voltage Controlled Ring Oscillator for Biomedical Applications at 0.18μ Technology. ICEECS-2020 International 10-11 January, 2020/ Jaunpur POSTER (P-22).
3. Slot and Notch Loaded Fr4 Grounded Multiband Microstrip Patch Antenna for L, S and C Band Applications ICEECS-2020 International 10-11 January, 2020/ Jaunpur POSTER (P-26).
4. A Review on 6T SRAM Cell Leakage reduction Techniques on Sub-100nm Technologies AFTMS-2011 National March 2011/Bareilly 978-81-8424-706-0.
5. DIBL Reduction in SOI MOSFET:- A Review AFTMS-2011 National March 2011/Bareilly 978-81-8424-706-0.
6. Optimization and Verification of 90nm PMOS Transistor NEO CREST 2013 National 5 to 7 April 2013/Alwar 978-93-82247-35-7.
7. Supeririorty of Ldpc Code's NEO CREST 2013 National 5 to 7 April 2013/Alwar 978-93-82247-35-7.
8. An Efficient Approach to Image Segmentation and Histogram in Image Processing NEO CREST 2013 National 5 to 7 April 2013/Alwar 978-93-82247-35-7.

➢ FDP/Workshop/Seminar Attended:

1. Two day workshop on OBE and NBA accreditation organized by TEQIP-III at UNSIET VBS Purvanchal University, Jaunpur during09-10 Oct. 2018.
2. Four day Faculty development program on IPR and PLAGIARISM organized by TEQIP-III at UNSIET VBS PurvanchalUniversity,Jaunpur during 20-23 Sept. 2018.
3. Two week training programme on Faculty Development from 17/07/15 to 30/07/15 Under FDP Scheme of DST-NIMAT implementedby Centre of Technology and Entrepreneurship Development organized at PIT Jaunpur.
4. Two days Faculty Development Programme on Improvement, Innovation and Growth on 9th and 10th Feb 2013 organized at IET AlwarRajasthan.
5. Three days hands-on workshop on "VLSI design flow u sing Cadence tools" from 7 June to 9 June 2012 conducted by Thapar Universityand Cadence at Thapar University Patiala.
6. Three Days Workshop on "Real Time Applications of Lab View and Matlab in Engineering", conducted by A.I.E.T. Alwar, from 24 – 26February 2012.
7. VLSI Testing basic and SOC flow in collaboration with FreeScale semiconductor at Thapar University Patiala on April 15th 2011.
8. One Day Conference on Silvaco TCAD Package at Delhi University South Campus, On Apr. 19th 2011.
9. Workshop on Challenges and Opportunities in Analog and Mixed Signal Design (AMS-2010): Conducted by Electronic ScienceDepartment, KUK at K.U. Kurukshetra from Feb 22 to Feb 23, 2010.
10. Workshop on OBE, at vbspujaunpur, 12- 14 Oct 2018.

11. FIVE Day Short course on Modelingang Simulation of nano Transistor at IIT Kanpur, during 21-25 January 2019.
12. FDP on Recent Advances in Communication and Photonics during 08-12 July 2019 at VBSPU Jaunpur.
13. FDP on Recent Advances in MECHANICAL ENGINEERING, During 06-10, Nov-2019 at UNSIET, VBSPU Jaunpur
14. Workshop on Research Methology and Ethical Issues in Research during 6-7 Sep, 2019 at VBSPU Jaunpur.
15. FDP on CRYPTOGRAHY AND CYBER SECURITY during 14-18, Sep,2019 at VBSPU Jaunpur.
16. Micro Review of Program preparedness for NBA accreditation conducted on 5th March, 2020 at Lucknow.

8. Santosh Kumar Tripathi

➢ List of Publications:

1. Performance Analysis of Digital Audio Broadcasting System through AWGN and Rayleigh Channels. International Journal of Scientific and Research Publications, ISSN 2250-3153 - Volume 2, Issue 7, July 2012.
2. To Study the Helical Antenna for the Biomedical Application". IOSR Journal of Electronics and Communication Engineering (IOSRJECE), ISSN: 2278-2834 - Volume 1, Issue 6 (July-Aug 2012).
3. To Study the Effect of BER and Q-factor in Inter-Satellite Optical Wireless Communication System". IOSR Journal of Electronics and Communication Engineering (IOSRJECE),ISSN: 2278-2834, ISBN: 2278-8735 - Volume 3, Issue 4 (Sep-Oct. 2012).
4. To Study the Characteristics of Low Base Station Antenna in Respect of Propagation Loss".IOSR Journal of Electronics and Communication Engineering (IOSRJECE),ISSN: 2278-2834, ISBN: 2278-8735 - Volume 3, Issue 5 (Sep-Oct. 2012).

➢ FDP/Workshop/Seminar Attended:

1. FDP on Knowing IPR & plagiarism during research and patents held at VBSPU Jaunpurduring 20 - 23 Sept 2018.
2. Workshop on OBE, VBSPU Jaunpur, 12- 14 Oct 2018.
3. Workshop on NBA and OBE, 9-10 October2018 , VBSPU.
4. FDP on Emerging Trends in Optical For All Domain Application (ETODA- 19) at DeenbandhuChhotu Ram University of Science & Technology Murthal (Haryana), during 11-15 March 2019.
5. FDP on Recent Advances in Communication and Photonics during 08-12 July 2019 at VBSPU Jaunpur.

6. FDP on Recent Advances in MECHANICAL ENGINEERING, During 06-10, Nov-2019 at UNSIET, VBSPU Jaunpur.
7. Workshop on Research Methology and Ethical Issues in Research during 6-7 Sep, 2019 at VBSPU Jaunpur.
8. FDP on CRYPTOGRAHY AND CYBER SECURITY during 14-18, Sep,2019 at VBSPU Jaunpur

9. Deepak Kumar Singh

➢ List of Publications:

1. An efficient technique for ICI reduction using window function. Scientific & Engineering, Research International vol.5 issue 2014.
2. ICI Reduction efficiently using window function and their comparison. International Conference onEmerging trends in Science, Technology &Management.vol. 1 Nov.2107, ISBN:978-93-5281-3254, Page No. 214-218.
3. Real time crowd control system using Embedded Web Technology. International Conference on Emerging trends in Science,Technology&Management.vol. 1 Nov.2107, ISBN: 978-93-5281-3254, page No. 276-279.
4. A Poster Paper on "BER Performance of High Order Modulation Schemes over FSO Turbulent Channel with Pointing Errorusing Photodiode" in International Conference ICEECS – 2020, during January 10-11,2020.(P-14).

➢ FDP/Workshop/Seminar/STC/Conference Attended:

1. Workshop on NBA and OBE, October 12 – 14 ,2018 &October 09 – 10, 2018 at VBSPU Jaunpur.
2. Workshop on NBA Process, January 03 - 09, 2019 at PES college of Engineering, Mandya.
3. Workshop on "Lasers, Fiber Optics andOptical Communications, Fiber Sensors" March 06-07, 2020 at IWSA Vashi, Mumbai organised by IWSA & NASI.
4. Workshops on "Gender Sensitisation and Women Empowerment" organised by SPIU UP on Feb. 18, 2020.
5. IEEE CIS Summer School 2019 on "Big Data Analytics and Stream Processing": Tools, Techniques and Application at IIIT Allahabad.
6. STC on IT Enabled Learning for STEM, September 10 – 12, 2018 at IIT Bombay.
7. STC on Electromagnetic Fields and Waves: Pedagogy & Computation, November 12 – 16, 2018 at IIT Bombay.
8. STC on Scientific Computing with Python for Electrical Engineers, February 11 – 15, 2019 at IIT Bombay.

9. FDP on Knowing IPR and Plagiarism, September 20 – 23, 2018 at VBSPU Jaunpur.
10. FDP on Start-up and Entrepreneurship, December 17 – 21, 2018 at IED UP Lucknow.
11. FDP on Recent Trends in Wireless Multimedia Communications, March 21 – 27, 2019 at PEC Pondicherry.
12. FDP on Recent Advances in Communication and Photonics, July 08 – 12, 2019 at VBSPU Jaunpur.
13. International Seminar on "Sources of Planet Energy, Environmental & Disaster Science: Impacts of Non-Conventional Energy Resources" (SPEEDS-2017) at School of Management Sciences, Lucknow.
14. National Conference on " Emerging Trends in Science, Technology & Management" (ETSTM 2018), Nov. 2nd – 3rd , 2018 at Ashoka Institute of Technology & management, Varanasi.
15. International conferences Wrap 2019 at IIT Guwahati during Dec. 12-16, 2019.
16. International Conference on Optics & Electro-Optics XLIII Symposium of Optical Society of India at IRDE Dehradun during Oct. 19-22, 2019 organised by DRDO and Optical Society of India.

➢ FDP/Conference Organised:
1. Organised Faculty Development Program on "Recent Trends in Communication & Photonics" during July 08-12, 2019.
2. Organised International Conference on "Electrical, Electronics and Computer Science Engineering" (ICEECS 2020) during January 10-11,2020.

10. Sudhir Singh

➢ List of Publications:
1. Analysis of a Boost Converter Using Closed Loop System. GJCAT ,2012.
2. Continuous Mode of Sepic Converter Using Separately Excited DC Motor Load. GJCAT 2012.
3. Comparative Simulation& Analysisof2- PSK Spreading Transceiver. IJEST, 2012.
4. Operation of Single User vs. MultiUser2-PSK SpreadingTransceiver System. IJAST, 2013.
5. Book on (Advance Power Electronics) ,co-Author , Shree Publisher& distribution, 2014.

➢ FDP/Workshop/Seminar Attended:
1. Participated in 3days workshop on OBE form 12-14 October, 2018, Organized by VBSPU ,Jaunpur and Sponserd by TEQIP-III.
2. Engineering Education and Research seminar in Bhopal 9th may 2018.

3. Participated in 3days workshop on Growth of Science &Technology in the campus of Purvanchal University from 08-10 September, 2017, Organized by VBSPU, Jaunpur and Sponserd by TEQIP-III.
4. Participated in workshop on Research Methodology and Ethical Issue in Research 6 to 7 September 2019 at VBSPU, Jaunpur.
5. Participated in workshop on Numerical Computation using Matlab held from 26 to 30 November 2015 at vbs PU Jaunpur.
6. Participated in the Seminar on Role of CST in U.P. in promotion of Science and Technology and Facilitation of IPR Protection during 8 to 9 December 2016.

➢ STC/FDP Attended:

1. STC on "Fundamental and Characterization of Solar cell" in IIT Kanpur from 19thfebruary to 23rd February, 2019.
2. Participated in 4 days Faculty Development Programe on IPR and Plagiarism, from 20-23 September, 2018, Organized by VBSPU, Jaunpur and Sponserd by TEQIP-III.
3. FDP on Recent advances in communication and photonics during 8 to 12 july 2019 at vbs p u Jaunpur.
4. FDP on IPR and Plagiarism 20-23 September 2018 VBSPU Jaunpur.
5. FDP on Business Opportunity Guidance and Project Preparation during 25 to 27 October 2017 at Vbs PU Jaunpur.
6. Attended one weak interaction course on RF/ Microwave System and Photonics Sensor Organised by Department of Electronics,VBSPU during 14 to 19 April 2016.
7. Participated in the program FDP on Business Opportunity Guidance and Project Preparation during 25 to 27 October 2017 at VBSPUJaunpur.

11. Tushar Srivastava

➢ List of Publications:

1. TusharSrivastava, Dr.Anil Kumar, Arvind Kumar Jaiswal" Performance Analysis and Comparison between the Uncoded OIDMA and Convolutional Coded OIDMA" published on Vol. 9 Issue 3 (May-June 2014) IOSR Journal of Electronics and Communication Engineering e-ISSN: 2278-2834,p- ISSN:2278-8735.

➢ FDP/Workshop/Seminar Attended:

1. Attended one day National Webinar on "Television Anchoring and Reporting Skills needed in the time of COVID-19" Organized by Department of mass Communication V.B.S. Purvanchal University, Jaunpur-222003 (U.P) on 24 May 2020.
2. Attended one day National Webinar on "Exploring and Understanding The Role of Media during COVID-19" Organized by Department of mass Communication V.B.S. Purvanchal University, Jaunpur-222003 (U.P) on 17th May 2020.
3. Attended two days workshop on "Scientific Issues for the Development of the Nation", organized by Faculty of Engineering and Technology U.N.S.I.E.T.V.B.S. Purvanchal University, Jaunpur-222003 (U.P) on February 26-27, 2018 under the aegis of TEQIP-III..
4. Attended a two days workshop on "Training of Faculty Mentors by Induction Co-Ordinators", organized by Faculty of Engineering and Technology U.N.S.I.E.T.V.B.S. Purvanchal University, Jaunpur-222003 (U.P) on November 10-12,2018 under the aegis of TEQIP-III.
5. Attended a three days faculty development program on "Business Opportunity Guidance and Project Preparation", organized by Institute of Entrepreneurship Development, U.P., Lucknow at Faculty of Engineering and Technology U.N.S.I.E.T.V.B.S. Purvanchal University, Jaunpur-222003 (U.P) on October 25-27,2017 under the aegis of TEQIP-III.
6. Attended a three days national workshop on "Growth of Science and Technology", in the campus of Purvanchal University , Jaunpur-222003 (U.P) on September 08-10,2017.
7. Attended a one day national seminar on "Goods and Service Tax", organized by.V.B.S. Purvanchal University, Jaunpur-222003 (U.P) association with ICA Edu Skills Pvt. Ltd. on April 25,2017 at research and innovation center ,V.B.S Purvanchal University, Jaunpur.
8. Attended and Participate in "Faculty Development Programme on Goods and Service Tax", organized by.V.B.S. Purvanchal University, Jaunpur-222003 (U.P) association with ICA Edu Skills Pvt. Ltd. on April 25,2017 at research and innovation center ,V.B.S Purvanchal University, Jaunpur.
9. Attended and participate one day workshop (HR-Conclave) on "Transformation HR for Sustainability", organized by department of HRD Faculty of Management Studies Purvanchal University, Jaunpur-222003 (U.P) on February 20, 2015.
10. Attended four week summer tanning at "Doordarshan Kendra Varanasi" from 30-06-2008 to 26-07-2008.

12. Mrs.Jyoti P Singh

> List of Publications:-

1. Paper published on Wireless Transmission of Electricity in International Journal of Engineering Studies. (ISSN 0975-6479 Volume 3, Number 2 (2012))

2. Paper published on Wireless Technology without batteries in International Journal of Engineering Research and Technology. (ISSN 0974-3154 Volume 5, Number 1 (2012))

> FDP/Conferences/Workshops attended-

1. Knowing IPR & plagiarism during research and patents held in VBSPU, Jaunpur 20- 23 Sept 2018.
2. Workshop on OBE at VBSPU, Jaunpur 12- 14 Oct 2018
3. Workshop on NBA and OBE 9-10 October 2018 VBSPU
4. Achieving Excellence in Engineering Education workshop at CSDEC, Shimla from 24-28 May 2018.
5. Workshop on NBA and NAAC at Gangtok from 18 to 22 June 2019
6. Professional Development Training Programme by National Project Implementation Unit, MHRD, Government of India, at IIM Shillong from 26-28 September 2018
7. Presented paper on Wireless Transmission on Electricity at 1st Indian International Energy Summit (IIES) from 28th to 30th January 2011 at VNIT, Nagpur.
8. Presented paper at National conference on Emerging Trends in Electrical & Electronics Engineering (ETEEE)-2011 at KNIT, Sultanpur.
9. Attended one day workshop on Virtual Laboratories on February 2012, at IIT, Kanpur
10. Workshop on "Lasers, Fiber Optics and Optical Communications, Fiber Sensors" March 06-07, 2020 at IWSA Vashi, Mumbai organised by IWSA & NASI.

> FDP/Induction/Internship Organised:

1. Organised Faculty Development Program on "Recent Trends in Communication & Photonics" during July 08-12, 2019.

2. Coordinated Summer internship program for 2nd year passed students.

3. Coordinated Induction Program 2018, 2019 for 1st year students.

13. Ms. PoonamSonkar

> List of Publications:-

1. Cooperative Diversity Analysis using DF Relay Network Over Rayleigh Fading Channel. IJIRCCE, Volume 3, Issue 10, October 2015,ISSN(Online): 2320-9801,ISSN (Print): 2320-9798 .
2. A Review on Cooperative Communication with Relay. IJIR,Vol-2, Issue-5, 2016 ,ISSN: 2454-1362,
3. Comparative efficiency estimation of OIDMA system using Gaussian and soliton pulses for long haul communication. TEST Engineering and management, Vol.82, 2020 , ISSN: 0193-4120.
4. Rural Empowerment through Broadband. National conference IETE Lucknow, 2013 Presented.
5. Cooperative Diversity Analysis using DF Relay Network Over Rayleigh Fading Channel-I.National conference COTII, 2014 Presented.

> ➢ FDP/Conferences/Workshops attended:-

1. Faculty Development Programme on Recent advances in Communication & Photonics, VBSPU ,Jaunpur , July 08- 12, 2019.
2. Faculty Development Programe on Recent Advances in Mechanical Engineering. VBSPU, Jaunpur, November 06-10, 2019.
3. Faculty Development Programe on Cryptography& Cyber Security. VBSPU, Jaunpur, eptember 14-18, 2019.
4. Faculty Development Programe on IPR and Plagiarism. VBSPU, Jaunpur, 20-23 September, 2018.
5. Professional Development Training. IIM, Raipur, 07-11 May, 2018.
6. Workshop on "Research Methodology & Ethical Issues in Research".VBSPU , Jaunpur, September 06-07, 2019.
7. Women empowerment. VBSPU, Jaunpur, February 04-08, 2019.
8. Workshop on OBE. VBSPU, Jaunpur, October 12-14, 2018.
9. Workshop on NBA and OBE. VBSPU, Jaunpur, October 09-10,2018.
10. Machine Learning with Python. UIETpanjab University, May 28- June 2,2018.
11. Training of Faculty mentors by Induction Co-ordinators. VBSPU, Jaunpur, November 10-12, 2017.
12. National workshop on "Growth of Science &Technology ''.VBSPU, Jaunpur, September 08-10, 2017.
13. Teaching-Learning-Evaluation Technology Programmes (Interaction Course on RF/MICROWAVESYSTEMS & PHOTONIC SENSORS), VBSPU, Jaunpur ,April 14-19, 2016.
14. Workshop on "Numerical Computation using MATLAB .Deptt. of Mathematics &CSE VBSPU, Jaunpur, November 26-30,2015.
15. Author Workshop. VBSPU, Jaunpur& SPRINGER, October 31, 2015.

16. Author workshop on writing Research Paper.VBSPU, Jaunpur by Sage Publication, November 30, 2015.

14. Mrs. Priti Sharma

➢ List of Publications:-

1. Tunnel Diode Loaded Rectangular Microstrip Antenna with Passive Components for Millimeter Range'. International Journal IJITEE, ISSN2278-3075, August 2014.

2. Tunnel Diode Loaded Rectangular Microstrip Antenna at 41 GHz Frequency. International JournalVSRD,Volume4,Issue8 , ISSN2231-3346, September 2014.

3. Tunnel Diode Loaded Rectangular MicrostripAntenna with Passive Components. National JournalAfset, NCAVEC-2014, August 2014.

4. BhartiyaVishwavidyalaymeinanushasanka star evamuchchshikshakitasvir. International Journal JETIR, Volume6,Issue2, ISSN 2349-5162, February 2019.

5. Performance Analysis of Rectangular Microstrip Patch Antenna at Selective Frequency using Tunnel Diode. International JournalOurHeritage,Vol-68,Issue-30, ISSN0474-9030, February 2020.

6. Dispersive Nature of the FEL Amplifiers in the Whistler Mode. International JournalAdvances in Intelligent Systems and Computing, vol-1154, ISSN 2194-5357, December 2019.

➢ FDP/Conferences/Workshops attended-

1. Indian University Education System   VBSPU, Jaunpur   National   Conference October 28-30 ,2017
2. Recent Trends in Electrical, Electronics and Computer Science Engineering UNSIET,VBSPU, Jaunpur& PES College of Engineering, MandyaInternational Conference, January 10-11 ,2020
3. Soft Computing: Theories and ApplicationsNIT, Patna   International Conference December 27-29,2019
4. Impact of Globalization on Higher Education SSMWA&ManglayatanUniversity&Vikramaditya   College,   JabalpurInternational Conference (E Conference) June 28, 2020
5. Advancement in VLSI, Embedded System & Communications Al-Falah School of Engineering& Technology, Faridabad, National Conference   August 21,2014

6. Global Warming and Sustainable Development SSMWA   &Manglayatan   University International Conference (E Conference)   June 14, 2020

7. E-Workshop on "Stochastic Modelling,OptimizationAnd Soft Computing"   School   of Basic Sciences, Manipal University   August 10-14, 2020

8. Workshop on "Research Methodology & Ethical Issues in Research"   VBSPU, Jaunpur September 06-07, 2019

9. Women empowerment   VBSPU, Jaunpur   February 04-08, 2019

10. Workshop on OBE   VBSPU, Jaunpur   October 12-14, 2018

11. Workshop on NBA and OBE   VBSPU, Jaunpur   October 09-10,2018

12. Training of Faculty mentors by Induction Co-ordinators   VBSPU, Jaunpur

(TEQIP III)   November 10-12, 2017

13. National workshop on "Growth of Science &Technology ''VBSPU, Jaunpur (TEQIP III) September 08-10, 2017

14. Teaching-Learning-Evaluation Technology Programmes (Interaction Course on RF/MICRO WAVESYSTEMS & PHOTONIC SENSORS, ECE Deptt, VBSPU, Jaunpur   April 14-19, 2016

15. Workshop on "Numerical Computation using MATLABDeptt. of Mathematics &CSE
 VBSPU, Jaunpur   November 26-30, 2015

16. Author Workshop VBSPU, Jaunpur&SPRINGEROctober 31, 2015.

17. Workshop on "PLCs & SCADA"   Sofcon India Pvt. Ltd, Noida   September13, 2012

18. Workshop on "Embedded system & VHDL   ECE Deptt. RIET, Faridabad   4th September, 2012

19. Workshop on "ORCAD CIRCUIT SIMULATION & PCB DESIGNING" AppejayCollege of Engineering Gurgaon January 29-30, 2010

20. Faculty Development Programme on Recent advances in Communication & Photonics VBSPU, Jaunpur July 08- 12, 2019

21. Faculty Development Programe on Recent Advances in Mechanical Engineering VBSPU, Jaunpur, November 06-10, 2019

22. Faculty Development Programe on Cryptography& Cyber SecurityVBSPU,Jaunpur September 14-18, 2019

23. ManagementDevelopment Programme for Teaching StaffESCI, OOTY, 24-28 May, 2019

24. Faculty Development Programeon MATLAB Its Application   RRSIMT,   Amethi,   19-23 February, 2019

25. Faculty Development Programe on IPR and PlagiarismVBSPU, Jaunpur 20-23, September, 2018

26. Professional Development Training IIM, Raipur 07-11 May, 2018

27. Short term course on Electromagnetics, Microwave, RF&Antenna Design using ANSYS HFSS Tool Flow ABES Institute of Technology, Ghaziabad   15-19 January, 2018,

28. Faculty Development Programe on Recent advances in Communication & Photonics VBSPU, Jaunpur08-12 July, 2019.

15. Dr. Mohammad Aneesh

> List of Publications:-

1. A review: Circuit theory of microstrip antennas for dual , multi and ultra widebands. Modulation in Electronics and Telecommunication, IntechOpen, London (UK), [Web of Science], March 2nd 2020.

2. Performance Investigations of S-shaped RMSA Using Multilayer Perceptron Neural Network for S-Band Applicatins. RadioElectronics and communications systems (Springer) ,Natsionl'NyiTekhhichnyiUniversiytetUkrainy,, Ukraine   , Vol 62, No 8,, pp. 400-408, 2019,0735-2727.

3. Investigations for Performance Improvement of X-Shaped RMSA Using Artificial Neural Network by Predicting Slot Size. Progress In Electromagnetics Research C, EMW Publishing, United States, Vol. 47, 55-63, 2014, 1937-8718.

4. Analysis of Microstrip Line Feed Slot Loaded Patch Antenna Using Artificial Neural Network. Progress In Electromagnetics Research B, EMW Publishing, United States, Vol. 58, 35-46, 2014, 1937-6472.

5. Design and Analysis of Microstrip Line Feed Toppled T Shaped Microstrip Patch Antenna using Radial Basis Function Neural Network, Journal   of   Electrical   Engineering   & Technology (Springer), KIEE South Korea   Vol. 10, No. 2, pp. 634-640, March 2015, 1975-0102

6. Effect of shorting wall on Compact 2*4 MSA Array using Artificial Neural Network. TELKOMNIKA Indonesian Journal of Electrical Engineering & Computer Science, I A E S Indonesia   Vol. 13, Issue 3, pp. 512-520, 2015   , 2502-4752.

7. Inset Feed Toppled H-Shaped Microstrip Patch Antena for PCS/WiMAX Application, TELKOMNIKA Indonesian Journal of Electrical Engineering & Computer Science, I A E S Indonesia Vol. 1, Issue 2, pp. 365-370, 2016, 2502-4752.

8. Analysis of F-shape microstrip line fed dualband antenna for WLAN applications, Wireless network (Springer) Springer, Netherland, Vol. 20, Issue 1, pp 133-140, January 2014, 1022-0038.

9. Analysis of Slot Loaded Compact Patch Antennas for Dualband Operation   YES
    Refereed   International Journal of Applied Electromagnetics and Mechanics, IOS Press Netherland Vol. 47, pp. 163-175, 2015,1383-5416.

10. L-strip proximity fed gap coupled compact semi-circular disk patch antenna. Alexandria Eng. J. (Elsevier), Alexandria University, Egypt (Elsevier), Volume 53, Issue 1, Pages 61–67, March 2014, 1110-0168.

11. Compact notch loaded half disk patch antenna for dualband operation, Annales des Telecommunications (Springer)Springer Verlag, Germany   Vol. 69, pp. 475-483, 2014, 0003-4347.

12. A novel ultrawide band toppled trapezium-shaped patch antenna with partial ground plane, Microwave Optical Technology Letters, (Wiley), Wiley-Blackwell , United States Vol. 57, pp. 1983-1986, 2015., 1098-2760.

13. Compact dualband rectangular microstrip patch antenna for 2.4/5.12-GHz wireless applications. Wireless Network Springer, Netherland, Volume 21, Issue 2, pp 347–355 February 2015, Aug. 2014, DOI 10.1007/s11276-014-0783-1, 1022-0038.

14. Analysis of L- probe Proximity Fed Annular Ring Patch Antenna for Wireless Applications. Wireless Pers. Commun. (Springer), Springer, Netherland   Volume 77, Issue 2, pp 1449-1464, July 2014, 0929-6212.

15. Novel Design of Microstrip Antenna with Improved Bandwidth. International Journal of Microwave Science and Technology, Hindawi Publishing Corporation, Egypt Volume 2014, Article ID 659592, 2014, 1687-5826.

16. Desktop Shaped Broadband Microstrip Patch Antenna for Wireless Communication. Progress in Electromagnetics Research Lett, EMW Publishing, United States, Vol. 50, pp. 13-18, 2014, 1937-6480.

17. Analysis of Microstrip Line Fed Patch Antenna for Wireless Communication.Open Engineering Journal central European journal of Engineering Walter De Gruyter, Germany Vol. 7, Issue 1, pp. 279-286, 2017, 2391-5439

18. Circuit theory analysis of aperture coupled patch antenna For wireless communication. RadioElectronics and communications systems, (Springer),Natsionl'NyiTekhhichnyiUniversiytetUkrainy, Ukraine, Vol. 61, Issue 8, pp. 168-179, April 2018, 0735-2727.

19. Parallel symmetrical notches loaded patch antenna for wireless applications   YES Refereed   SN Applied Sciences (Springer), 1, 792, June 2019, 2523-3971

20. Slots and Notches Loaded Microstrip Patch Antenna for Wireless Communication. TELKOMNIKA Indonesian Journal of Electrical Engineering & Computer Science, I A E S, Indonesia, Vol. 13, No. 3, pp. 584-594, March 2015, 2502-4752

21. Analysis of C-Shaped compact microstrip line fed rectangular patch antenna for dual band operation. Journal of Electrical Engineering, Russia, Vol. 14, Ed. 4, pp. 1-7, 2014, 1582-4594.

22. Analysis of planar monopole antenna for 4.2/6.8 GHz dual band operation Refereed   Review of Business and Technology Research, Vol.5, no.1, pp.196-201, 2012, 1941-9414.

23. Slot size prediction of H-shaped rectangular microstrip patch antenna using Artificial neural network. Journal of Emerging Technologies and Innovative Research, IJ PUBLICATION, Vol.6, Issue 3, page no.321-327, March-2019, 2349-5162.

24. Analysis of S-shape Microstrip Patch Antenna for Bluetooth application   YES Refereed   International Journal of Scientific and Research Publications, India Volume 3, Issue 11,pp. 1-4, November 2013, 2250-3153

25. Investigations for the prediction of resonant frequency of microstrip patch antenna using RBF neural network. International Journal on Recent and Innovation Trends in Computing and Communication, Volume 2, Issue 8,pp. 2493-2496, August 2014, 2321-8169.

26. RBF neural network modeling of rectangular MSA   International   conference   on computer & communication technology (IEEE), MNNIT Allahabad, 23-25 Nov. 2012, 978-0-7695-4872-2/12

27. Inset feed slot loaded patch antenna using RBFNN for radar and satellite communication Inter. On Conference Recent advancement in Mechanical Engineering and Interdisciplinary development, ,Ponjesly College of Engineering Nagercoil, 7-8 March 2014   2015011008.

28. Analysis of slots and notches loaded patch antenna for dualband operation International conference on multimedia, signal processing and communication technologies (IEEE), University of Aligarh, 23-25 November 2013, 978-1-4799-1205-6/13.

29. Inset fed rectangular microstrip patch antenna with parasitic Element International conference on communications, devices and intelligent systems(IEEE), Jadavpur University Kolkata, 28-29 Dec.2012   978-1-4673-4700-6/12.

30. Analysis of F-shape microstrip line fed antenna for dualband operations International conference on computer & communication technology(IEEE), MNNIT, Allahabad, 23-25 Nov. 2012   978-0-7695-4872-2/12

31. Dualband notch loaded semi-circular disk microstrip patch antenna International conference on communication, information & computing technology(IEEE), Sardar Patel Institute of Technology, Mumbai, 19-20 Oct. 2012   978-1-4577-2078-9/12.

32. Ultra wideband shorted patch antenna for wireless communication International Conference on power, control and embedded systems(IEEE), MNNIT Allahabad, 17-19 December 2012   978-1-4673-1049-9/12

33. Analysis of notch and slot loaded microstrip patch antenna for broadband operation International conference on innovations and advancements in information and communication technology, GautamBudha University Greater Noida, pp. 78-90, 26-28 July 2012   978-93-81583-34-0.

34. Analysis of microstrip line antenna for 2.4/5.2GHz dual band operation International symposium standards in engineering and technology, Delhi Technical University Delhi, pp. 36-37, 2012.
35. Analysis of Proximity Coupled Microstrip Patch Antenna for Wireless Applications Proceedings of Mechanical Engineering Series 01 (POMES), pp. 87-94, 2015.
36. Inset Fed Semi-circular Disk Patch Antenna for Dual and Broadband Operation 2017 Second IEEE International Conference on Electrical, Computer and Communication Technologies IEEE ICECCT 2017, SVS College of Engineering, Coimbatore, Tamil Nadu, India, 22 to 24, February 2017 978-1-5090-3239-6/17/$31.00©2017IEEE.
37. Slot and notch loaded FR4 grounded patch antenna for wireless applications International conference on Recent trends in electrical, electronics, and computer science, VBS Purvanchal University Jaunpur, 10-11 Jan. 2020.

➢ FDP/Conferences/Workshops attended-

1. 3rd International Conference on Computer and Communication Technology (ICCCT-2012) MNNIT, Allahabad, November 23-25, 2012.

2. International Conference on Multimedia, Signal Processing and Communication Technologies (IMPACT-2013), AMU, Aligarh, Nov. 23-25, 2013.

3. International Conference On Recent Advancement In Mechanical Engineering And Interdisciplinary Developments (ICRAMID-2014) Ponjesly College Of Engineering, Nagercoil 7-8 March 2014

4. 2017 Second International Conference On Electrical, Computer And Communication Technologies (IEEE ICECCT-2017) SVS College of Engineering, Coimbatore, Tamil Nadu, 22-24 Feb. 2017 (Best paper award)

5. National workshop on Advances in Wireless and optical Networks (AWON-2014) MNNIT, Allahabad, 02-07 June 2014

6. National Workshop on Recent Trends in Information Communication Technology Organized by Dept of Technical Education Govt. of UP at NRIPT Allahabad 18th March 2012.

7. 5th Science Conclave/INSPIRE Internship Program An MHRD –DST initiative at IIIT-Allahabad December 8-14, 2012.

8. National Workshop on 'Scientific/Research paper writing', National Academy of Sciences, Allahabad, November 8 - 10, 2012.

9. National Seminar on Recent Trends on in ICTIETE Center Allahabad, March 09-10, 2013.

10. Zonal Seminar on ICT-Current Perspective IETE Center Allahabad, April 12-13, 2013.

11. National Seminar on Trends on Computer Vision. Dept. of EC, University of Allahabad February 25, 2012.

12. Faculty Development Program on IPR and PlagiarismVBSPurvanchal University JaunpurSept. 19-23, 2018.

13. Faculty Development Program on Startup & Entrepreneurship, Institute of Entrepreneurship Development, Lucknow, UP, 17-21 December 2018.

14. FDP on Recent Advances in Communication & Photonics VBSPU Jaunpur08-12 July, 2019.

15. FDP on Recent advances in VLSI design and Hands-on with cadence tools PES Mandya Karnataka, 15-19 July 2019

16. FDP on Recent advances in Mechanical Engineering VBSPU Jaunpur06-10 Nov. 2019.

17. Workshop on Research methodology& Ethical issues in research VBSPU Jaunpur, 6-7 Sept 2019

18. FDP on Cryptography and cyber security VBSPU Jaunpur14-18 Sept. 2019

19. Webinar series on 'Modern Antennas for Wireless Systems'S R C E M, Nagpur 22-24 May 2020

16. Mr.Prem Chand Yadav

➢ List of Publications:-

1. Image Encryption Technique. International journal of Advanced Research Electrical and Electronics , Instrumentation Engineering, 5/72273-5875, 2016.

2. Effect of convection and electric field load parameter on MHD Couette flow past a channel with highly permeable bed. Journal of emerging technology and innovative research (JETIR)6/32349-5162 2019.

3. Hall effect on MHD flow in a rotating system. Journal of emerging technology and innovative research (JETIR)6/3, 2349-5162, 2019.

4. A comparative analysis of different facial action tracking models and techniques. IEEE, Emerging trends in electrical , electronics and sustainable energy systems(ICETEESES-16), 11 – 12 march 2016 KNIT Sultanpur.

5. Review study of non conventional and renewable energy resourcesInnovative Entrepreneurship and startup (ICIES-2017), 3-4 March ,2017 KNIT Sultanpur.

6. Performance Analysis of facial feature tracking and facial expression recognition Innovative Entrepreneurship and startup (ICIES-2017), 3-4 March ,2017 KNIT Sultanpur.

7. Simulation of wind generator inverter using MATLAB. Innovative Entrepreneurship and startup (ICIES-2017), 3-4 March, 2017 KNIT Sultanpur.

➢ FDP/Conferences/Workshops attended-
1. Knowing IPR & Plagiarism during research and patents held at VBSPU Jaunpur , 20-23 sept 2018.
2. Workshop on OBE at VBSPU Jaunpur 12-14 ,Oct 2018 .
3. Workshop on NBA & OBE Accreditation 9 – 10 Oct 2018 at VBSPU Jaunpur.
4. FDP on Recent Advances in Communication and Photonics during 08 – 12 July 2019 at VBSPU Jaunpur.
5. Workshop on Research Methodology and Ethical issues in research during 6-7 Sept , 2019 at VBSPU Jaunpur.
6. FDP on IEEE, CIS Summer school , Big Data Analytics and Stream Processing during 10 Aug-14 Aug, 2019 at IIIT llahabad.
7. FDP on Thermal Power Plants (past & present) during 20-25 Sept 2017 at KNIT Sultanpur.
8. FDP on Recent Advances in Renewable Energy Technologies and Smart micro grids 13-17 Sept 2017 at KNIT .
9. Workshop on Embedded system Design using MSP-430 from 8- 10 Feb 2016 under the Texas Instruments India University Program at Dr A K T U Lucknow.

Electrical Engineering Department

ABOUT THE DEPARTMENT

❑ Department of Electrical Engineering was established in 1997 as integral part of Faculty of Engineering & Technology (Formerly known as Uma Nath Singh Institute of Engineering & Technology) of VBS Purvanchal University

❑ The Electrical Engineering discipline aims to provide quality education with stress on strong foundation and thorough understanding of the basic principle that underlie modern electrical and electronics technology.

❑ With an emphasis on green technology, the discipline pursues a holistic approach in ensuring that the students are sensitive to the environmental, safety and economic context of their coursework.

❑ The department is highly benefitted by the latest teaching aids.

❑ Developing is the motto that the discipline encourages.

❑ The Department is offering four years full time   B. Tech (Bachelor in Technology). M. Tech (Master in Technology) and Doctoral Programme in Electrical Engineering

VISION & MISSION

VISION: To produce globally competent Electrical Engineers with high human values.

MISSION: To be one of the best Electrical Engineering Departments of the country.

GOALS:

❑ To establish top-of-the class laboratories in all domains of Electrical Engineering.

❑ To be an identified research center in the areas of Electrical Engineering.

❑ To be a department with 100% Ph. D. faculty till 2023.

❑ To ensure a continuous value addition of all employees.

❑ To play "flagship role" for enrichment of electrical engineering education in the country.

❑ To establish Center of Excellence in the area of "Green Renewable Energy Systems".

FACULTY PROFILE

S. No	Name of Faculty	Designation	Qualification	Specialization	Experience (In Years)	Research Papers
1	Dr.RajnishBhasker	Assistant Professor & Head (Regular)	M. Tech. Ph. D	Power Electronics	19	12
2	Mr. JP Lal	Assistant Professor (On Contract)	B. Tech, M. Tech.	Power System	20	01
3	Mr. Satyam Kumar Upadhyay	Assistant Professor (On Contract)	M. Tech. Ph. D(Pursuing)	Power System	07	05
4	Ms. Jaya Shukla	Assistant Professor (On Contract)	M. Tech. Ph. D(Pursuing)	Power System	06	01
5	Mr.Saurabh V Kumar	Assistant Professor (On Contract)	M. Tech. Ph. D(Pursuing)	Power System	06	02
6	Mr.Maneesh Kumar Gupta	Assistant Professor (On Contract)	B. Tech, M. Tech	Control & Instrumentation	01	03
7	Mr.Rudar Kumar Gautam	Assistant Professor (On Contract)	B. Tech, M. Tech	Control & Instrumentation	02	02
8	Mr.Anurag Singh	Assistant Professor (On Contract)	B. Tech, M. Tech	Control & Instrumentation	01	05

STAFF PROFILE

S. No	Name of Staff	Designation
1	Mr.LalBahadur	Senior Technical Assistant
2	Mr.KailashNathYadav	Lab Attendant
3	Mr.Bhola	Peon

FACILITIES AVAILABLE

> **Existing Laboratories in Department**

- Basic Electrical Engineering
- Control System Lab
- Power System Protection Lab
- Power Electronics Lab
- Measurement Lab
- Instrumentation Lab
- Electric Drives Lab
- Network Lab
- Electrical Machine Lab
- Computer Lab

> **Software Available for Research**

- Real Time Simulator (OPAL-RT & TYPHOON HILL)
- MATLAB
- Power World Simulator
- Turnitin Plagiarism Software

> **Smart Class with fully equipped Audio & Video facilities**

Computer Science & Engineering

Information Technology

Brief Introduction about Department of CSE.

The Department of Computer Science & Engineering (CSE) was established in the year 1997 and offers four years B.Tech. (Computer Science & Engineering) Programme with an annual intake of 60 students. The department offers undergraduate, postgraduate and doctoral programs. M.Tech. (Computer Science and Engineering) program was started in 2019 with an intake of 25. The department also offers a Ph.D. Programmein Computer Science & Engineering from academic session2018-19.

Brief Introduction about Department of IT.

The Department of Information Technology (IT) has been successfully functioning since 2001. It offers four year B.Tech. (Information Technology) Programme with an annual intake of 60 students.

Both departments have highly qualified, committed and well experienced faculty members with varied expertise. The department's computer lab is equipped with the latest configuration hardware and software. Computer lab is also equipped with proprietary software such as Windows 10, MS Office 2010, MATLAB and QualNet. With a rapidly evolving technology and a constant need for innovation, both departments are committed to producing quality professionals in both academia and the IT industry.

1.   Names of ProgrammesOffered

S.No.	Name of Programme	Specialization	Duration	Intake
1	B.Tech.	Computer Science & Engineering	4 Years	60+06(EWS)+40(Paid Seat)
2	B.Tech.	Information Technology	4 Years	60+06(EWS)+40(Paid Seat)
3	M.Tech.	Computer Science & Engineering	2 Years	25
4	Ph.D.	Computer Science & Engineering	As per university norms	

2.   Faculty Profile

Head (CSE & IT) - Dr. Sanjeev Gangwar

Assistant Professor, Department of Computer Applications

Name	Qualification	Specialization	Teaching Experience	No. of Ph.D./M.Phil Student guided	Conference Chair / Invited Lecture	Award	Membership
Dr. Sanjeev Gangwar	Ph.D. (CS)	Operating System, Computer Organization	14 Year	04 (Ongoing)	01/04	01	Lifetime Membership of Computer Society of India (CSI)

Department of Computer Science & Engineering

Name	Qualification	Designation	Specialization	Teaching Experience
Mr. Prashant Kr Yadav	M.Tech. (CSE)	Assistant Professor (Contractual)	Automata theory, Cryptography, Operating System	6 Years
Mr. Dileep Kumar Yadav	M.Tech. (CSE)	Assistant Professor (Contractual)	Data mining, Cryptograph	9 Years
Mr. Krishna Kumar Yadav	M.Tech. (CSE)	Assistant Professor (Contractual)	Programming Language, Data Structure, Cyber Security	3 Years
Mrs. Deepti Pandey	M.Tech. (CSE)	Assistant Professor (Contractual)	Image processing	5 Years
Mr. Ravi Kant Yadav	M.Tech. (CSE)	Assistant Professor (Contractual)	Computer Engineering	09 Years
Dr. Divyendu Kr Mishra	Ph.D.	Assistant Professor (Contractual)	Natural Language Processing	5 Years 2 Month
Mr. Sunil Yadav	M.Tech. (CSE)	Assistant Professor (Contractual)	Cloud Computing, Cyber forensic	4 Years
Mr. Pravin Kumar Pandey	M.Tech. (CSE)	Assistant Professor (Contractual)	Compiler Design, TAFL	4 Years

Department of Information Technology

Name	Qualification	Designation	Specialization	Teaching Experience
Mr. Purnendra Kumar	M.Tech. (CSE)	Assistant Professor (Contractual)	MANETs	03 Years 6 Month
Mr. Gyanendra Kumar Pal	M.Tech. (CSE)	Assistant Professor (Contractual)	Software engineering	07 Years 06 Month
Mr. Manoj Kumar Yadav	M.Tech. (IT)	Assistant Professor (Contractual)	Networking	2 Years
Mr. Ritesh Kumar Srivastava	M.Tech. (IT)	Assistant Professor (Contractual)	I T	5 Years
Mr. Ashok Kumar Yadav	M.Tech. (CSE)	Assistant Professor (Contractual)	Mobile Ad-hoc Network, Parallel Algorithm, Operating Systems	06 Years
Mr. Santosh Kumar Yadav	M.Tech. (CSE)	Assistant Professor (Contractual)	Computer network, Data Structure, Design and Analysis of Algorithms, Wireless Sensor Network	07 Years 06 Month

3. Details of students enrichmentProgramme

Sr. No	Name & Designation	Department	Activity
1.	Prof. Sundar Lal	Ex Vice-Chancellor, VBSPU, Jaunpur	Special Lecture & Recourse Person in FDP
2.	Prof P.K. Mishra	Department of CSE, IIT BHU, Varanasi	Special Lecture & Recourse Person in FDP
3.	Prof. D.K. Yadav	Department of CSE, MNNIT, Prayagraj	Special/Expert Lecture
4.	Prof. Satya Singh	Deptt. of Computer Application, MGK Vidyapith University, Varanasi	Special/Expert Lecture

5.	Prof. G.P. Sahoo	Department of Law, BHU, Varanasi	Recourse Person in FDP
6.	Dr. Anil Kr.Yadav	Registrar, CSJMU, Kanpur	Recourse Person in FDP
7.	Dr. S.K. Singh	Department. of CSE, IIT BHU, Varanasi	Special Lecture
8.	Dr. Munesh Chandra	Department of CSE, NIT, Agartala	Recourse Person in FDP
9.	Dr. Karan Singh	Department. of CSE, JNU, New Delhi	Recourse Person in FDP
10.	Dr. Sonali Agrawal	Department of IT, IIIT, Prayagraj	Special Lecture in Induction Program
11.	Dr. Ashish Khare	Department of CSE, Allahabad University, Prayagraj	Recourse Person in FDP and Special Lecture in Conference
12.	Dr. Krishna Kumar	Department of CSE, GKV, Haridwar	Recourse Person in Webinar
13.	Dr. Dinesh Singh	Department of CSE, MNNIT, Prayagraj	Recourse Person in FDP
14.	Dr. Mohammad Javed	Department of IT, IIIT, Prayagraj	Recourse Person in FDP
15.	Dr. Avdhesh Kumar	Department of CSE, KNIT, Sultanpur	Special Lecture
16.	Dr. R.S. Singh	Department. of CSE, IIT BHU, Varanasi	Special Lecture in Induction Program
17.	Dr. Sarvesh Kumar	Department of Mathematics, IIST, Triruvantpuram	Recourse Person in Workshop
18.	Dr. Sushil Kumar	Department of Applied Science & Humanities, SVNIT, Surat	Recourse Person in Workshop
19.	Dr. M.K. Singh	BHU Varanasi	Recourse Person in Workshop
20.	Dr. Navneet Kr. Singh	Department of Electrical Engineering, MNNIT, Prayagraj	Recourse Person in Workshop
21.	Dr. Akhtar Hussain	Deptt. of CS & IT, MJP Rohilkhand University	Special Lecture

Number of academic support staff (technical) and administrative staff:.-

Non-Teaching	Filled
System Manager	0
Programmer	1
Computer Operator	0
Lab Attendant	0
Clerk	0
Peon	1

4.   Publications:

Department of Computer Science & Engineering

Name of Faculty Member	Dept.	No. of Research Papers Published (National Journal)	No. of Research Papers Published (International Journal)	No. of Research Papers Published (National Conference/ Seminar)	No. of Research Papers Published (International Conference/Seminar)	No. of FDP's/STC /Workshop Attended (One week or above)	No. of Books Published (With ISBN No.)	No. of Book Chapters Published
DR. SANJEEV GANGWAR	Computer Applications	0	15	16	06	18	01	0
PRASHANT KUMAR YADAV	CSE	2	7	0	1	2	0	0
DILEEP KUMAR YADAV	CSE	0	2	1	1	7	0	0
KRISHNA KUMAR YADAV	CSE	0	2	0	2	0	0	0
RAVI KANT YADAV	CSE	3	3	1	0	14	0	0
DR. DIVYENDU KUMAR MISHRA	CSE	1	6	1	1	0	1	2
SUNIL YADAV	CSE	0	2	0	1	4	0	0
DEEPTI PANDEY	CSE	0	3	1	0	5	0	0

Department of Information Technology

Name of Faculty Member	Dept.	No. of Research Papers Published TillNow (National Journal)	No. of Research Papers Published TillNow (International Journal)	No. of Research Papers PublishedTill Now (National Conference/Seminar)	No. of Research Papers Published Till Now (International Conference/Seminar)	No. of FDP's/STC/Workshop Attended Till Now (One week or above)
PURNENDRA	IT	1	5	1	1	3

KUMAR						
GYANENDRA KUMAR PAL	IT	2	2	2	0	5
MANOJ KUMAR YADAV	IT	0	0	0	1	10
RITESH KUMAR SRIVASTAVA	IT	0	2	0	1	4
ASHOK KUMAR YADAV	IT	0	6	0	2	10
SANTOSH KUMAR YADAV	IT	0	5	0	1	4

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5. Seminars/Conference/Workshop/ Faculty Development Program/WebinarOrganized

- One day **webinar** on "**COVID 19 Impact: Recent Trends in IT Industry**" organized by the department of Computer Science & Engineering and Information Technology on 11[th]January 2020. Resource person was **Dr.Krishana Kumar** (Asst. Prof. GKV,Haridwar).

- Two days International Conference on "**Recent Trends in Electrical, Electronics and Computer Science Engineering**" during 10th- 11[th]January,2020.

- One-week Faculty Development Programme on "**Cryptography & Cyber Security**" organized by the department of Computer Science & Engineering and Information Technology during 14[th]September, 2019 to 18[th]September,2019.

- A UGC XII plan funded one-week workshop on "**Numerical Computation Using MATLAB**" organized during 26-30 November, 2015, jointly by the department of Computer Science & Engineering and Department of Mathematics, Faculty of Engineering & Technology, VBSPU, Jaunpur.

6. Placement / OutreachProgramme

The placement pattern of the passed out students has been encouraging. Alumni of our departments are now placed in reputed private as well as government organizations like IBM, TCS, Infosys, ORACLE, HCL, LIC, NTPC, Cognizant and many others including educational and research institutions in India andabroad.

The outreach programme of Indian Institute of Remote Sensing, Dehradun is engaged for the student of department as well as it is open to the community interested in remote sensing and applications. This program is conducted by Indian Institute of Remote Sensing, Dehradun, unit of ISRO, developing trained professionals in the fields of Remote Sensing, Geo-informatics and GNSS Technology for Natural Resources, Environmental and Disaster Management. Any student from CSE and IT department can participate in these programs organized at regular intervals.

Departmental Infrastructural/ Laboratory facilities:

Sr. No.	Resources		Number
1.	Computer Laboratory		01
2.	Total number of computers in Laboratory		60
3.	Class Room		06
4.	Class rooms with ICT facility		01
5.	**License Software**	MS Office 2010	60
		Oracle Database Standard Edition named user plus perpetual (10g)	30
		MATLAB DVD KIT for PC &UNIX Released 2008 a/10 users	10
		C++ Builder 2007 Professional academic(Concurrent)	20
		Windows 8.1/10	90
		QualNet Software	10
6.	**Open Source Software**	Ubuntu	-------
		Code Block (JAVA)	-------
		JDK(JAVA)	-------
		Net Beans (JAVA)	-------
		Eclipse (JAVA)	-------
		Turbo C	-------
		Xamp Server	-------
		Apache Tomcat	-------
		My SQL	-------
		NS2/NS3	-------
		ACA (Data Mining)	-------
		iTALC (Data Mining)	-------

Mathematics

Mathematics is deeply rooted in all Sciences and has a leading role in all Engineering Streams. The Department of Mathematics came into existence way back in 1997 with the inception of the Faculty of Engineering &Technology in the Campus of the University. It is a part of the Faculty of Engineering & Technology. The Department has ever been striving to provide Quality Technical Education with core support to all Engineering Departments. The Department is a good center of Teaching, Learning and Research as many articles of the faculty members have been published in Science Citation Indexed (SCI) and peer reviewed journals. The Department keeps in pace with the advances in Technology by providing basic knowledge to the Students enrolled in the B. Tech and B. Pharm, MCA and MBA programmes. Swami Vivekanand central library and UNSIET Library both have a large collection of good books and e-books on Mathematics. Link for a free library to download soft copies of books is http://b-ok.asia/? The Department usually provides some extra classes to the weaker Students. The Department adopts some modern Teaching techniques to explain the Mathematical concepts geometrically rather than through Mathematical equations. Faculty members of the Department are teaching through online mode during KOVID -19. Some teachers have prepared their video lectures and uploaded them on their own YouTube channel. Department has highly qualified teaching faculty from reputed Institutes/Colleges like IIT Roorkee and MNNIT Allahabad, Prayagraj, University of Allahabad, Prayagraj and TDPG college, Jaunpur.

Vision of the department

The Vision of the Department of Mathematics, Faculty of Engineering & Technology, V.B.S. Purvanchal University, Jaunpur is as follows:

- Department is to be recognized nationally and internationally for its Excellence in Teaching and Research.

- Department should be remembered for providing Excellent Mathematical skills to its UG and PG students.

- Departmental is to create a platform for encouraging Outcomebased Research environments.

Mission of the Department

The mission of the Department is as follows:

- To attend the Mathematical needs of the Institute and the Community.

- To provide Students (UG/PG) with a wide spectrum of valuable courses with rigorous training/tutorials that enables them to pursue their future.
- To make Engineers develop the mathematical thoughts and apply it to solve complex engineering problems, designing mathematical models to meet the requirements.
- To encourage students and faculty members of the Department to be the exposures of different research environments in India and abroad.

Faculty Profile

Dr. Raj Kumar	**Highest Qualification**	Ph.D. (Motilal Nehru N I T Allahabad,Prayagraj)
	Designation	**Associate Professor**& Head
	Date of Joining	18[th]May 2018(Associate Professor) and 15th March 2004 (Assistant Professor)
	Teaching Experience	16 years
	Areas of Interest	Differential equations, Fluid Dynamics
	No. of Publications	15
	Contact Information	E-Mail: rsoniraj2@gmail.com Mob.No.: 9451160911
Dr. Sushil Shukla	**Highest Qualification**	Ph.D. (University of Allahabad,Prayagraj)
	Designation	**Assistant Professor**
	Date of Joining	4th Nov. 2019 (Assistant Professor)
	Teaching Experience	13 years
	Areas of Interest	Differentiable Manifold, Numerical Methods
	Number of Publications	24
		E-Mail: sushilcws@gmail.com

	Contact Information	Mob. No.: 9415396005
Dr. U.R. Prajapati	**Highest Qualification**	Ph.D. (VBSPurvanchal Univ., Jaunpur)
	Designation	Assistant Professor on Contract
	Date of Joining	16thOct. 2000
	Teaching Experience	20 Years
	Areas of Interest	Special Functions, Numerical methods.
	Number of Publications	06
	Contact Information	E-Mail: udayrajprajapati2011@gmail.com
		Mob.No.: 9415898801
Dr. Nimisha Yadav	**Highest Qualification**	Ph.D. (VBSPurvanchalUniv.,Jaunpur)
	Designation	Assistant Professor on Contract
	Date of Joining	13thAugust 2018
	Teaching Experience	10 Years
	Areas of Interest	Differential equations, Fluid dynamics
	Number of Publications	08
	Contact Information	E-Mail: guria.nimisha@gmail.com
		Mob.No.: 8299524266

Member of Editorial boards as Reviewer in SCI Journals:

Dr. Raj Kumar

1. Proceedings of the National Academy of Sciences, India Section A: Physical Sciences (Springer Publisher)

2. The Asian Journal of Mathematics (A Journal by the **International Press**)

3. Computers & Mathematics with Applications (**Elsevier** Publisher)

4. Physia A: Statistical Mechanics and its Applications (Elsevier Publisher)

5. ***Waves in Random and Complex Media*** (formerly ***Waves in Random Media***)

Publications:

Dr. Raj Kumar

2019:

[1]. More *Solutions of Coupled Whitham-Broer-Kaup Equations,* Mukesh Kumar, Atul Kumar Tiwari, Raj Kumar, Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci.**(Springer),** (2019) 89: 747-755**, Impact factor 0.921, SCI,DOI:**10.1007/s40010-018-0527-1
ISSN 2250-1762**Total Citations 1**

2018:

[1]. On closed form solutions of (2+1)-breaking soliton system by similarity transformations method, Mukesh Kumar, Dig Vijay Tanwar, Raj Kumar, Computers & Mathematics with Applications (**Elsevier**), 75 (2018) 218-234**, DOI:**10.1016/j.camwa.2017.09.005, **Impact factor 3.370, SCI, ISSN** 0898-1221**Total Citations 12**

[2]. On Lie symmetries and soliton solutions of (2+1)-dimensional Bogoyavlenskii equations, Mukesh Kumar, Dig Vijay Tanwar, Raj Kumar, Nonlinear Dynamics, 94 (4), 2547-2561,**Impact factor 4.339, SCI, ISSN** 1573-269X**Total Citations 8**

2017:

[1]. Some More Solutions of Kedomtsev-Petviashvili Equation, with Mukesh Kumar, Atul Kumar Tiwari, Computers & Mathematics with Applications (**Elsevier**), 74 (2017) 2599–2607, **2017.Impact factor 3.370, SCIDOI:10.1016/j.camwa.2017.07.034TotalCitations 10**

[2]. Soliton solutions of KD system using similarity transformations method, with Mukesh Kumar, Computers & Mathematics with Applications (Elsevier), 73,**2017**, 701-712**, Impact factor 1.861, SCITotalCitations 18**

2016:

[1]. Application of Lie-Group Theory for solving Calogero-Bogoyavlenskii-Schiff Equation (Sole author)IOSR Journal of Mathematics (**IOSR-JM**), 12(4), **2016**, 144-147**, Non SCITotalCitations 6**

[2]. Similarity Solutions of the Konopelchenko-Dubrovsky System Using Lie Group Theory, with Mukesh Kumar, Anshu Kumar, Computers & Mathematics with Applications (**Elsevier**), 71(10), **2016,** 2051-2059**, Impact factor 3.370 Total Citations 16**

2015:

[1]. On Exact Solutions of (2+1)-Dissipative ZK Equation (Sole author), International Journal of Science, Environment and Technology, 4(5), **2015,** 1430-1437, **NonSCI, Total Citations 1**

[2]. Some more similarity solutions of the (2 + 1)-dimensional BLP system, with Mukesh Kumar and Anshu Kumar, Computers & Mathematics with Applications (**Elsevier**)**,** 70, **2015,** 212-221,**Citations 17, Impact factor 3.370, SCI, Total Citations 17**

[3]. Some More Solutions of Burgers' Equation, with Mukesh Kumar published in an International Conference: (ICMSQUARE-14) proceeding at Madrid, Spain from August 28-31, **2014**. Phys.: Conf. Ser. Volume 574 (2015) 012038, IOP Publishing, ISSN: 1742-6588, **SCI** doi:10.1088/1742-6596/574/1/012038**Total Citations 4**

2014:

[1]. On Simlarity Solutions of Zabolotskaya-Khokhlov Equation, with Mukesh Kumar and Anshu Kumar, Computers & Mathematics with Applications (**Elsevier**), 68, **2014,** 454-463. **Citations 30, Impact factor 3.370, SCITotalCitations 34**

[2]. On New Similarity Solutions of the Boiti-Leon-Pempinelli System, with Mukesh Kumar, Communications in Theoretical Physics (**IOP Ltd**.), 61(1), **2014,** 121-126, **Impact factor 1.178, SCI, Total Citations 16**

Dr Sushil Shukla:

2020:

[1]Ricci Solitons on Para-SasakianManifold,SushilShukla,Journal of International Academy of Physical Sciences 24(1), **2020**, 13-24,**ISSN**0974- 9373.

2019:

[1]Ricci Solitons on Quasi-SasakianManifold,with S. Tiwari, Ultra Scientist of Physical Sciences 31 (11), **2019**, 98-105 **ISSN** 0970-9150.

DOI:http://dx.doi.org/10.22147/jusps-A/311101

[2]Recurrentlightlike hypersurfaces of indefinite almost hyperbolic Hermitian manifold with semi-symmetric metric connection,withP.N.Pandey, Journal of International Academy of Physical Sciences 23(4), **2019**, 349-358,**ISSN**0974- 9373..

2018:

[1]Ricci Solitons on KenmotsuManifold,with S. Tiwari Ultra Scientist of Physical Sciences 30,**2018**.40-408**ISSN** 0970-9150.**DOI:**http://dx.doi.org/10.22147/jusps-A/301102

2017:

[1]. On recurrent lightlike hypersurfaces of indefinite hyperbolic Hermitian manifold with Quarter-symmetric metric connection, with S. Tiwari, Technological and Managerial Strategies for Next Generation Transformation,**2017**, 297-302.

[2]. On Lie recurrent lightlike hypersurfaces of indefinite almost hyperbolic Hermitian manifold with semi-symmetric metric connection, with S. Tiwari, Ultra Scientist of Physical Sciences 29,**2017**. 569-576**ISSN** 0970-9150.**DOI:**http://dx.doi.org/10.22147/jusps-A/291206

2016:
[1]On induced affine connection of almost hyperbolic Hermitian manifold with S. Tiwari in Ultra Scientist of Physical Sciences 28,**2016**.79-86 **ISSN** 0970-9150.

2014:
[1]Properties of Hyperdistribution of Real Hypersurfaces of Almost Hyperbolic Hermitian Manifold,SushilShukla,Ultra Scientist of Physical Sciences 26,**2014**.193-200 **ISSN** 0970-9150.

2013:
[1]Einstein Constant for Almost Hyperbolic Hermitian Manifold on the Product of two SasakianManifold,SushilShukla,Ultra Scientist of Physical Sciences 25,**2013**.251-256 **ISSN** 0970-9150.

2012:
[1]Specific Curvature Tensor on Almost Hyperbolic Hermitian Manifold Admitting Semi-Symmetric Metric Connection,SushilShukla,Shekhar (N.S.) Int.J.Sci. Tech.1,**2012**.23-29**ISSN**2277-8152.

2011:
[1]On Relativistic Fluid Space Time Admitting Heat Flux of a Generalized Recurrent and Ricci-recurrent KenmotsuManifold,SushilShukla,Journal of International Academy of Physical Sciences, 15, **2011**. 143-146**ISSN** 0974-9373

[2]Parallel and H-projective curvature tensor on almost hyperbolic Hermitian manifold admitting semi-symmetric metric connection,SushilShukla,Shekhar (N.S.) Int.J.Math.3,**2011**.21-26**ISSN**0976-4445.

2010:

[1]Real hypersurfaces of an almost hyperbolic Hermitian manifold, Sushil Shukla, Tamkang Journal of Mathematics, 41, **2010**.71-83 **ISSN** 0049-2930.

[2] On quasi-Einstein almost hyperbolic Hermitian manifold with quasi-constant curvature, Sushil Shukla, Tamkang Journal of Mathematics, 41, **2010**.275-283**ISSN**00492930.

[3]On semi-symmetric and H-projective curvature tensor on almost hyperbolic Hermitian manifold admitting semi-symmetric metric connection,SushilShukla,Shekhar (N.S.) Int.J.Math.2,**2010**.19-25**ISSN**0976-4445

Dr Uday Raj Prajapati:

2018:
[1]Certain result involving the product of two mock-theta function of same order, U.R Prajapati, *Wisdom Herald*, 9(2), **2018,**281-288 **ISSN** 2231-1483.

[2]On certain transformation and summation formulae for poly basic hypergeometric series,

U.R Prajapati, Universal Review,9(1), **2018**,237-240 **ISSN** 2277-2723.

[3]Transformation of Series involving partial mock theta function belonging to the different groups, U.R Prajapati, UGC SN.40965, **2018,**51-54 **ISSN** 2249-6742

[4]Equivalence of Continued fraction involving mock theta function of different order, U.R Prajapati, AD Valorem,5, **2018**,74-79 **ISSN** 2348-5485.

2017:

[1] Generating relation: For Mock theta Function U.R Prajapati, VMR, 3(4), **2017**,73-79,**ISSN**2395-0390.

[2] Certain result involving the product of two mock-theta function of different groups, U.R Prajapati, Research Highlights,4(4), **2017,**80-84,**ISSN** 2350-0611.

Dr Nimisha Yadav:

2019:

[1]Hall Effect on MHD Flow in a Rotating System.with P.C. YADAV, Journal of Emerging Technologies and Innovative Research,6(3), **2019**,98-107**ISSN**2349-5162**.**

[2]Effect of Convection and Electric Field Load Parameter on MHD Couette Flow Past A Channel with Highly Permeable Bed.with P.C. Yadav, Journal of Emerging Technologies and Innovative Research,6(3), **2019**,24-31,**ISSN** 2349-5162.

[3]Performance Analysis of Variation of Temperature and other Heat Transfer Parameter in Free Convective Rotatory Flow Under Constant Transverse Magnetic Field System,Nimisha Yadav, International Journal of Research and Analytical Reviews, 6(1), **2019**,1295-1304**ISSN** 2348-1269.

2018:

[1]Effect of Variable Suction on MHD oscillatory flow through a porous medium with Nand Lal Singh, Journal of Emerging Technologies and Innovative Research,6(3),**2018**,98-107 **ISSN** 2349-5162.

[2]Flow Field Analysis Near bend of U shaped Tube.Nimisha Yadav, in Journal of Basic and Applied Engineering Research, 5(3), **2018**,201-205**ISSN**2350-0255.

[3]Mathematical modeling and analysis of the spread of AIDS caused by co- infection of HIV, with TB with RaghawShukla,International Journal of scientific research and application 4(2),**2018**,1-15,**ISSN** 2454-5376.

[4]Nature of Wave in Gas particles,NimishaYadav,International Journal of scientific research and application, 4(2),**2018**,16-21,**ISSN** 2454-5376.

Number of papers presented in conferences:

Name	National	International

Dr Raj Kumar	8	8
Dr Sushil Shukla	11	19
Dr Uday Raj Prajapati	02	00
Dr Nimisha Yadav	02	01

No. of Courses/Summer Institute/Training programme attended:

1. Dr Raj Kumar: 22
2. Dr Sushil Shukla: 02
3. Dr Uday Raj Prajapati: 02
4. Dr Nimisha Yadav: 05

Membership of Professional Bodies/Societies:
Dr Raj Kumar:
- Life Member Ship of Indian Mathematical Society
- Annual membership of World Physics Association (WPA) From Nov. 2015 to Dec. 2016

Dr Sushil Shukla:

- International Academy of Physical Sciences (Member. No. N0962)
- Indian Mathematical Society
- International Association of Engineers (Member No. 102242)
- Indian Science Congress Association (Member No. A2919)

Physics

1. About the Department

The department of Physics was established in 1997 with the objective to impart the Knowledge of Physics to the all Engineering students studying at Uma Nath Singh Institute of Engineering & Technology and to facilitate the research facility to the Ph.D. students.

2. Existing Facility

1. The Department has well-equipped laboratory of capacity 60 B.Tech. Students at a time.
2. Research laboratory for Ph.D. Students
3. Internet facility for students.

4. Departmental library as well as Vivekanad Central library

3. Present Strength

Status	Name	Designation	Qualification	Numbers
Faculty Members	Dr. Santosh Kumar	Associate Professor and Head	M.Sc., NET-J.R.F., D.Phil.	02
	Dr. Manish Pratap Singh	Assistant Professor	M.Sc. Ph.D.	
Non-Teaching Staff	Mr. Ram Sevak Yadav	Laboratory Assistant	B.Sc.	02
	Mr. Shamshad Ali	Peon	Intermediate	
Research Scholars	Prabhat Ranjan Tiwari	-	M.Sc.	04
	Rahul Pratap Singh	-	M.Sc.	
	Keval Bharati	CSIR JRF	M.Sc. , J.R.F.	
	Avinash Chand Yadav	Assistant Professor in Government Girls College Shahganj, Jaunpur	M.Sc. , J.R.F.	

5. Academic Details of Teacher

Name of Teacher	Teaching Experience	Published Research Papers		Paper presented in Conference		Conference/Workshop Organized			Training programme attended
		International (Int.Nat.)	National (Nat.)	Int.Nat.	Nat.	Int.Nat.	Nat.	Univ. level	
Dr. Santosh Kumar(Associate	17 years	03	12	8	9	01	02	04	12

Professor)									
Dr. Manish Pratap Singh (Assistant Professor)	9 month	24	1	6	8	-	-	-	02

Institutional TEQIP Members

S. No.	Name	Designation
1	Prof. B B Tiwari	Director/Coordinator
2	Shri M K Singh	Finance Officer
3	Dr. Rajnish Bhasker	Nodal Officer (P)
4	Dr. Ravi Prakash	Nodal Officer (A)
5	Shri Anil Kumar Maurya	Project Officer
6	Shri Subham Gaur	IT Officer
7	Shri Ramesh Kumar	Office Asstt.

Board of Governors

Following are the members for the BoG:

1. Shri R. K. Upadhyay   Chairman

    Former Chairman cum Managing Director, BSNL, India

2. Prof. L.N. Hazra   Member

    Emeritus Professor,

    University of Calcutta, Kolkata

3. Shri AnimeshBisaria   Member

    Head International Sales

    Integra Micro Software Services, Bangalore

4. Shri Aniruddha Singh   Member

    President Group Human Resources,

    JSPL, Pune

5. Shri Shivraj Asthana (IAS)   Member

    CEO, Dezaview Skill Learning &Training Systems Pvt. Ltd.

    Gurgaon

6. Shri Surendra Singh   Member

    Executive Director (Retd.) ONGC

    Bombay

7. Prof. H V Ravindra

    Principal PES College of Engineering Mandya, karnatka

Training & Placement Cell

Establishment of Training and placement cell

The first visit of Team from the Institute to the Mentor Institute PES College of Engineering Mandya, Karnataka during 21 September, 2017 was a great success in the sense that we realized to bridge the gap toward Employability of our Engineering Graduates in a systematic manner to meet out the mandate of TEQIP –III Project. The very first issue identified was to establish a Centre of Training & Placement for the students. The efforts became fruitful with the Sanction of Hon'ble Vice Chancellor on 17 July 2017 towards facilitating appointment of a Director Training & Placement Cell under the scheme of Empanelment of Adjunct Faculty in University by University Grant Commission. Prof. Ranjana Prakash took charge as Director Training& Placement Cell on Sept. 08, 2017 and visited first time in the Campus during Sept. 15-16, 2017. The Central Training& Placement Cell was inaugurated on Nov. 15, 2017 in the auspicious presence of Prof. Rajeev Tripathi, Director MNNIIT Allahabad. Since then flurry of activities started with the Cell. A beautiful Training& Placement Cell is created with wonderful Ambience and Infrastructure.

The expenditure in the activities is borne by TEQIP – III.

VBS Purvanchal University, Jaunpur
CENTRAL TRAINING & PLACEMENT CELL
Our Mission : TO MAKE EACH STUDENT "EMPLOYABLE"

Prof. Ranjana Prakash
Director

e-mail: prakash_ranjana1974@rediffmail.com
Mob.: 09794169391, Ph.: 05452- 252310, Fax- 05452- 252344

Ref.

Date 4 August 2018

Director's Report on the training programme

I joined the Central Training and Placement cell of the VBS Purvanchal University in September 2018, Since then a number of programme for the enhancement of soft skills,personality development, preparation of presentation at GD,personal round of interview with HR's, computational programmes have been undertaken for the benefit of students.

The performance of the students before the hiring companies and the Job Fair organized at VBS Purvanchal was satisfactory as is evident from the large recruitment of number of students about 650 at the Job Fair and 122 students by their visiting companies.

Ranjana Prakash
Director
Central Training & Placement Cell

(11) List certified by Principal of institution along with the name of service provider.

SL No.	Service Provider	Nature of Activity
1	M/s Sofcon Lucknow	Practical Training on Computers
2	M/s Limen Solutions	Communication Skill/ Personality Development
3	M/s Telent Pool, Chandigarh	Selected 21 Student as telecom engineer
4	M/s IED Lucknow	Entrepreneurship, Startup Orientation, & Financial aspects of projects.
5	M/s NxG Ventures Ahmedabad	New Start up creativity program
6	M/s Network System	National Science Day activities
7	M/s Arnav Infosoft	Selected 30 Student
8	M/s Telent Pool, Chandigarh	Selected 21 Student as telecom engineer
9	M/s Infocom Solutions Lucknow	Selected 20 Student
10	M/s Authentic Instrument Industries Ltd.	Selected 31 Student
11	M/s Bharat Star Services	Selected 18 Student
12	M/s Bhilwara Infosystem	Selected 5 Student
13	M/s Chandan Healthcare Pvt, Ltd	Selected 20 Student
14	M/s Eureka Forbes	Selected 36 Student
15	M/s EZ Move	Selected 24 Student
16	M/s GNN NEWS	Selected 36 Student
17	M/s Indiamart	Selected 138 Student
18	M/s ITC	Selected 10 Student
19	M/s Kallows Engineering India Pvt. Ltd.	Selected 59 Student
20	M/s Karvy Group	Selected 98 Student
21	M/s Kohinoor Agro Industry	Selected 24 Student
22	M/s Mobiloitte Technologies Pvt Ltd.	Selected 19 Student
23	M/s NCR Corporation	Selected 41 Student
24	M/s Nutrilife India Pvt. Ltd.	Selected 9 Student
25	M/s PIE Infocom Pvt. Ltd.	Selected 21 Student
27	M/s USG	Selected 8 Student

Coordinator TEQIP-III
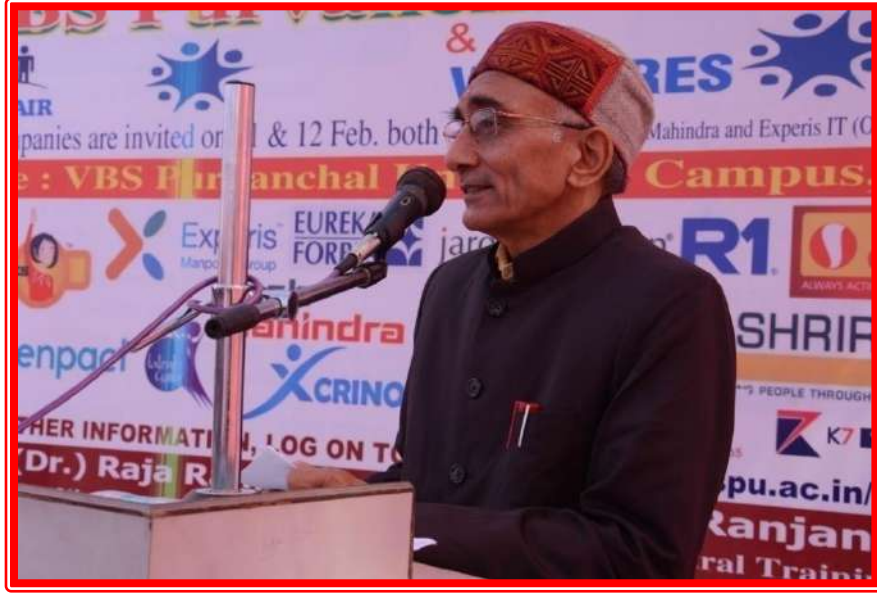
रोजगारमेला२०२०केउदघाटनअवसरपरसंबोधितकरतेमा०कुलपतिजी

रोजगारमेला२०२०केउदघाटनअवसरपरसंबोधितकरते
मा०मुख्यअतिथिश्रीशत्तरुद्रप्रतापसिंहजी

रोजगारमेला२०२०केउद्घाटनअवसरपरसंबोधितकरते
मा०विशिष्टअतिथिश्रीशारदापाठकजी

रोजगारमेला२०२०केउद्घाटनअवसरपरसंबोधितकरतेहुये
अधिष्ठाताछात्रकल्याणप्रोअजयद्विवेदी
रोजगारमेला२०२०एकझलक :

रोजगारमेला2020मेंसहभागीसंस्थायें

S. No.	Name of Organization	Website	Stream	Job role/ Place of working
1.	Genpact	www.genpact.com	B.A/B.Sc/B.Com/BBA/MBA/ (B.Tech& MCA are not eligible)	Process Associate/ Customer Care Executive
2.	Tech Mahindra	www.techmahindra.com	B.A/B.Sc/B.Com/BBA/BCA / B.Tech/MBA	Customer Support Associate (Voice/E-mail, chat process)
3.	Extramarks	ww.extramarks.com	B.A/B.Sc/B.Com/BBA/BCA / B.Tech/MBA	Sales
4.	Jaro Education	www.jaroeducation.com	B.A/B.Sc/B.Com/BBA/BCA / B.Tech/MBA	Career Development Executive
5.	ATS India	www.tabcctv.in	B.A/B.Sc/B.Com/BBA/BCA / B.Tech (CS/IT/EC/EE) /M.Tech/MBA	Assembling & Testing/ Technical Support/ CCTV Installation/
6.	Talent Corner HR Services	www.talentcorner.in	B.A/B.Sc/B.Com/BBA/ B.Tech/MBA	HR and Business Development
7.	Experis IT	www.experisindia.com	B.E/B.Tech (CSE/IT) 60% in 10th, 12th and 65% in Graduation	Software Engineer Trainee
8.	Infosys(Off-Role)	www.infosys.com	B.A/B.Sc/B.Com/BBA/BCA / B.Tech/MBA	Process Associate/ Sr. Process Associate
9.	Xcrino	www.xcrino.com	B.Tech CS/IT/ MCA/MBA/BBA	PHP Developer/ Android Developer/ HR Recruiter/ BDE
10.	Cinif Technologies Limited	www.cinifglobal.com	B.Tech./B.A/B.Sc/B.Com/BBA/BCA/MBA/MSc	Chandigarh, Gurgaon

रोजगारमेलामेंचयनितअभ्यर्थियोंकीसंस्थावारसूची

			Name of Organization: AGS INDIA		
S. No.	Token No.	Name	Father Name	Course / Branch	College/ University Name
1	1697	VINAY KUMAR MAURYA	RAMESH CHAND MAURYA	B.Tech. (M.E)	VBSPU CAMPUS
2	499	PRADEEP KUMAR*	KAILASH RAM	B.Tech. (ECE)	VBSPU CAMPUS
3	1288	VIVEK KUMAR	SHEETALA PRASAD	B.Tech. (M.E)	VBSPU CAMPUS
4	3168	AKANSHA UPADHYAY	MANOJ KUMAR UPADHYAY	B.Tech. (CSE)	VBSPU CAMPUS
5	831	AnushkaPandey	SatyaPrakashPandey	B.Tech.	VBSPU CAMPUS
6	3165	AIMAN FATIMA	SADRE ARA	B. Tech (CSE)	VBSPU CAMPUS
7	2185	SANDEEP VISHWAKARMA	VASHANT LAL	B.Tech. (IT)	VBSPU CAMPUS
8	837	ANKUL PASWAN	RAM PRAVESH	B.Tech. (CSE)	VBSPU CAMPUS
9	2650	SAURABH PANDEY	TRIBHUVAN NATH PANDEY	B.Tech. (CSE)	VBSPU CAMPUS

Sr No.	Token No.	Name	Father Name	Course / Branch	College/ University Name
		Name of Organization: JARO EDUCATION			
1	618	TejeswaniGoswami	Lt. Shiv Kumar Giri	B.Tech. (ECE)	VBSPU CAMPUS
2	3727	SYED MOHD HAIDAR	SYED ZEESHAN HAIDAR	B.Tech. (MINING)	U. P. E. S. DEHRADUN
3	3065	PRIYANKA YADAV	RAM BRIKSHA YADAV	B.Tech.	VBSPU CAMPUS
4	1733	ABHYUDAY SINGH	MANISH SINGH	B.Tech. (E.E.)	VBSPU CAMPUS
5	1315	SUNIDHI SRIVASTAVA	ARVIND KUMAR SRIVASTAVA	B.Tech. (ECE)	VBSPU CAMPUS
6	1316	KSHAMAA SRIVASTAVA	ARVIND KUMAR SRIVASTAVA	B.Tech. (ECE)	VBSPU CAMPUS
7	1752	Ankit Kumar Yadav	LaljeetYadav	B.Tech. (Electrical)	VBSPU CAMPUS
8		AMAN KUMAR JAISWAL*		B.Tech. (CSE)	VBSPU CAMPUS
9	3790	VAGESH KUMAR	SUMER PRASAD	B.Tech. (EE)	VBSPU CAMPUS

Name of Organization: ATS India

S. No.	Token No.	Name	Father Name	Course / Branch	College/ University Name
1	3165	AIMAN FATIMA	SADRE ARA	B. Tech. (CSE)	VBSPU CAMPUS
2	1256	DEEPIKA	RAMRAJ	B.Tech. (ECE)	VBSPU CAMPUS
3	1325	SanniVishwakarma	Awadesh Kumar	B.Tech.	UNITED COLLEGE OF ENG. & MANG. PRAYAGRAJ
4	3168	AKANSHA UPADHYAY	MANOJ KUMAR UPADHYAY	B.Tech. (CSE)	VBSPU CAMPUS
5	831	AnushkaPandey	SatyaPrakashPandey	B.Tech.	VBSPU CAMPUS
6		Aman Kumar*		B. Tech. (ME)	
7	1281	ABHAY KUMAR YADAV	RAM KUMAR YADAY	B.Tech. (EE)	VBSPU CAMPUS
8	1282	SARVESH SINGH	ACHCHELAL SINGH	B.Tech. (EE)	VBSPU CAMPUS
9	2274	DHARMENDRA KUMAR SINGH	VIJAY NARAYAN SINGH	B.Tech. (EE)	VBSPU CAMPUS
10	1649	ANURAG PAL	RAJENDRA PR. PAL	B.Tech.	VBSPU CAMPUS
11	970	PRAKRITI DEEPAK	NARAD DEEPAK	B.Tech. (EE)	VBSPU CAMPUS
12	971	ANKIT YADAV	RAMESH SINGH YADAV	B.Tech.	VBSPU CAMPUS
13	3729	KIRAN YADAV	PRAHALAD YADAV	B.Tech. (ECE)	VBSPU CAMPUS

14	1652	VISHWAS KUMAR	SHAILENDRA KUMAR	B.Tech. (EE)	VBSPU CAMPUS
15	3234	SHAYAM BAHADUR*	INDRA DEV YADAV	B.Tech.	BUNDELKHAND UNIVERSITY JHANSI
16	711	Anand Kumar	Ram AsareGautam	B. Tech.	SETH VISHAMBHAR NATH IT LUCKNOW
17	2745	RAJIT RAM YADAV	SHOBB NATH YADAV	B.Tech. (ME)	VBSPU CAMPUS
18	3789	DHIRENDRA SINGH	SHIVPOOJAN SINGH	B. Tech. (ECE)	PRANVEER SINGH INSTITUTE OF TECHNOLOGY
19	3761	ANIL SONKAR	RAMU SONKAR	B.Tech. (ECE)	VBSPU CAMPUS
20		AbhishekTripathi*		B. Tech. (EE)	

Name of Organization: Exprisis IT					
Sr No.	Token No.	Name	Father Name	Course / Branch	College/ University Name
1	3060	DEEPAK SINGH PATEL	CHANDRA BHAN SINGH	B.Tech.	VBSPU CAMPUS
2	1491	AKASH RAI	RAJESH RAI	B.Tech. (IT)	VBSPU CAMPUS

3	1251	SURBHI SRIVASTAV	AMARNATH SRIVASTAV	B.Tech. (IT)	VBSPU CAMPUS
4	3131	PRASHANT DUBEY	UMAKANT DUBEY	B.Tech. (IT)	VBSPU CAMPUS
5	3065	PRIYANKA YADAV	RAM BRIKSHA YADAV	B.Tech.	VBSPU CAMPUS
6	3168	AKANSHA UPADHYAY	MANOJ KUMAR UPADHYAY	B.Tech. (CSE)	VBSPU CAMPUS
7	3165	AIMAN FATIMA	SADRE ARA	B.Tech. (CSE)	VBSPU CAMPUS
8	1538	AKASH CHAUHAN	SHYAM DEV CHUHAN	B.Tech. (IT)	VBSPU CAMPUS

Name of Organization: JUST DIAL					
Sr No.	Token No.	Name	Father Name	Course / Branch	College/ University Name
1	1513	KRISHNA KUMAR VERMA	UMA SHANKER	B. Tech. (CSE)	VBSPU CAMPUS
2	2650	SAURABH PANDEY	TRIBHUVAN NATH PANDEY	B. Tech. (CSE)	VBSPU CAMPUS

Sr No.	Token No.	Name	Father Name	Course / Branch	College/ University Name
			Name of Organization: CINIF TECHNOLOGIES LIMITED		
1	1325	SanniVishwakarma	Awadesh Kumar	B.Tech.	UNITED COLLEGE OF ENG. & MANG. ALLHABAD
2	873	ATIKUR REHMAN	FIROZ KHAN	DIPLOMA (ELEC.)	VIJAY PRATAP POLYTECHNIC COLLEGE
3	3729	KIRAN YADAV	PRAHALAD YADAV	B.Tech. (ECE)	VBSPU CAMPUS
4	1256	DEEPIKA	RAMRAJ	B.Tech. (ECE)	VBSPU CAMPUS
5	851	AVANEESH KUMAR SINGH	KARAMBALSI SINGH	B.Tech. (ECE)	BIT KANPUR
6	2231	VISHAL SINGH	SURESH SINGH	B.Tech. (EC)	VBSPU CAMPUS
7	1203	NIRAJ KUMAR	RAJENDRA KUMAR	B.Tech. (M.E.)	VBSPU CAMPUS
8	1316	KSHAMAA SRIVASTAVA	ARVIND KUMAR SRIVASTAVA	B.Tech. (ECE)	VBSPU CAMPUS
9	1315	SUNIDHI SRIVASTAVA	ARVIND KUMAR SRIVASTAVA	B.Tech. (ECE)	VBSPU CAMPUS
10	3140	ARVIND KUMAR PRAJAPATI	SHEETALA PRASAD PRAJAPATI	B. Tech. (ME)	VBSPU CAMPUS
11	1697	VINAY KUMAR MAURYA	RAMESH CHAND MAURYA	B.Tech. (M.E)	VBSPU CAMPUS
12		SUDHEER YADAV*		B. Sc.	
13	1649	ANURAG PAL	RAJENDRA PR. PAL	B.Tech.	VBSPU CAMPUS
14	970	PRAKRITI DEEPAK	NARAD DEEPAK	B.Tech. (EE)	VBSPU CAMPUS
15	3935	ANKITA YADAV	GAYA RAM YADAV	B.Com.	S. B. P. G. COLLEGE BADALAPUR, JAUNPUR
16	1288	VIVEK KUMAR	SHEETALA PRASAD	B.Tech. (M.E)	VBSPU CAMPUS
17	3178	AMIT KUSHWAHA	SYAM NARAN KUSHWAHA	B.Tech. (M.E.)	VBSPU CAMPUS

18	1291	KANHAIYA YADAV	SWAMINATH YADAV	B.Tech. (M.E)	VBSPU CAMPUS
19	619	SANDEEP GUPTA	MAHESH PRASAD GUPTA	B.Tech. (ECE)	VBSPU CAMPUS
20	979	SANJEEV GUPTA	PANCHAM LAL GUPTA	B.Tech. (MECH)	VBSPU CAMPUS
21	3175	Vaibhava Kumar	Dayaram	B.Tech.	VBSPU CAMPUS
22	2921	PRASHANT KUMAR PRAJAPATI	SUNIL PRAJAPATI	B.Tech. (IT)	VBSPU CAMPUS
23	3727	SYED MOHD HAIDAR	SYED ZEESHAN HAIDAR	B.Tech. (MINING)	U. P. E. S. DEHRADUN
24	1319	NITISH KUMAR SONKAR	RAM ASARE SONKAR	B. Tech. (MECH)	VBSPU CAMPUS
25	1293	HARIOM SINGH	SUBHASH CHANDRA SINGH	B.Tech. (M.E.)	VBSPU CAMPUS
26	3179	RISABH KUMAR GUPTA	RAJESH KUMAR GUPTA	B.Tech. (M.E.)	VBSPU CAMPUS
27	3716	ABHISHEK SONI	SUBHASH SONI	DIPLOMA (MECH.)	VIJAY PRATAP INSTITUTE OF TECHNOLOGY
28		RITURAJ PASWAN*		B. Tech.	
29	1204	RISHABH RAI	RAMJIT RAI	B. Tech. (MECH)	VBSPU CAMPUS
30		ANAND KUMAR*		B. Tech.	
31		AYUSHI SINGH*		B. Tech.	
32		JYOTIRMAY SHUKLA*		B. Tech.	
33	3761	ANIL SONKAR	RAMU SONKAR	B. Tech. (ECE)	VBSPU CAMPUS
34	1759	ASHISH SINGH	ASHOK KUMAR SINGH	B. Tech. (EE)	VBSPU CAMPUS

35	3205	SUSHANSHU SHEKHAR SINGH	PIYUSH KUMAR SINGH	B. Tech. (E.E.)	VBSPU CAMPUS
36	759	AKHILESH YADAV	MOHIT YADAV	DIPLOMA (ELECTRICAL)	M.S.D. POLYTECHNIC COLLEGE AZAMGARH

Name of Organization: Infosys

Sr No.	Token No.	Name	Father Name	Course / Branch	College/ University Name
1	1753A	ADBHUT MISHRA	RK MISHRA	B.Tech.(EE)	VBSPU CAMPUS
2	1752	Ankit Kumar Yadav	LaljeetYadav	B. Tech.(EE)	VBSPU CAMPUS
3	0594	UROOSA ANEES	ANEES AHMAD	B.Com.	T. D. P. G COLLEGE, JAUNPUR
4	1316	KSHAMAA SRIVASTAVA	ARVIND KUMAR SRIVASTAVA	B.Tech.(ECE)	VBSPU CAMPUS
8	1315	SUNIDHI SRIVASTAVA	ARVIND KUMAR SRIVASTAVA	B.Tech.(ECE)	VBSPU CAMPUS

Name of Organization: SIGNITY

Sr No.	Token No.	Name	Father Name	Course / Branch	College/ University Name
1	3165	AIMAN FATIMA	SADRE ARA	B. Tech.(CSE)	VBSPU CAMPUS

Name of Organization: SILARIS

Sr No.	Token No.	Name	Father Name	Course / Branch	College/ University Name
1	979	SANJEEV GUPTA	PANCHAM LAL GUPTA	B. Tech. (MECH)	VBSPU CAMPUS
2	2745	RAJIT RAM YADAV	SHOBB NATH YADAV	B. Tech. (ME)	VBSPU CAMPUS
3	1288	VIVEK KUMAR	SHEETALA PRASAD	B. Tech. (M.E)	VBSPU CAMPUS
4	1291	KANHAIYA YADAV	SWAMINATH YADAV	B. Tech. (M.E)	VBSPU CAMPUS
5	2029	RAVI KANT MAURYA	VINAY KUMAR MAURYA	B. Tech. (CSE)	VBSPU CAMPUS

Name of Organization: Talent Corner HR Services					
Sr No.	Token No.	Name	Father Name	Course / Branch	College/ University Name
1	1291	KANHAIYA YADAV	SWAMINATH YADAV	B.Tech. (M.E.)	VBSPU CAMPUS
2	979	SANJEEV GUPTA	PANCHAM LAL GUPTA	B.Tech. (M.E.)	VBSPU CAMPUS
3	1288	VIVEK KUMAR	SHEETALA PRASAD	B.Tech. (M.E.)	VBSPU CAMPUS

4	2190	RASHMI BALMIKI	SHIV PRAKASH	MBA (HRD)	VBSPU CAMPUS
5	3186	PRIYA MISHRA	AJEET KUMAR MISHRA	B.Tech. (E.E.)	VBSPU CAMPUS
6	2921	PRASHANT KUMAR PRAJAPATI	SUNIL PRAJAPATI	B.Tech. (IT)	VBSPU CAMPUS
7	1316	KSHAMAA SRIVASTAVA	ARVIND KUMAR SRIVASTAVA	B.Tech. (ECE)	VBSPU CAMPUS
8	1315	SUNIDHI SRIVASTAVA	ARVIND KUMAR SRIVASTAVA	B.Tech. (ECE)	VBSPU CAMPUS
9	2650	SAURABH PANDEY	TRIBHUVAN NATH PANDEY	B.Tech. CSE	VBSPU CAMPUS
10	618	TejeswaniGoswami	Lt. Shiv Kumar Giri	B.Tech. (ECE)	VBSPU CAMPUS
11	3175	Vaibhava Kumar	Dayaram	B.Tech.	VBSPU CAMPUS
12	1513	KRISHNA KUMAR VERMA	UMA SHANKER	B.Tech. (CSE)	VBSPU CAMPUS

Sr No.	Token No.	Name	Father Name	Course / Branch	College/ University Name
		Name of Organization: Tech Mahindra			
1	1739	DEEPAK BYAHUT	PREMLAL BYAHUT	B. Tech	VBSPU CAMPUS
2	1738	SANJEEV	RADHE SHYAM	B. Tech	VBSPU CAMPUS
3	3186	PRIYA MISHRA	AJEET KUMAR MISHRA	B. Tech (E.E.)	VBSPU CAMPUS
4	3194	VIRAT SHUKLA	GYANENDRA SHUKLA	B.Tech. (IT)	VBSPU CAMPUS
5	3065	PRIYANKA YADAV	RAM BRIKSHA YADAV	B.Tech.	VBSPU CAMPUS
6	3778	AMAN JAISWAL	MANOJ KUMAR JAISWAL	B.Tech.	VBSPU CAMPUS
7	1256	DEEPIKA	RAMRAJ	B.Tech. (ECE)	VBSPU CAMPUS
8	3165	AIMAN FATIMA	SADRE ARA	B. Tech. (CSE)	VBSPU CAMPUS
9	1738	SANJEEV	RADHE SHYAM	B.Tech.	VBSPU CAMPUS
10		ABHISHEK TRIPATHI*		B.Tech. (EE)	

Name of Organization: Tele Performance

Sr No.	Token No.	Name	Father Name	Course / Branch	College/ University Name
1	1316	KSHAMAA SRIVASTAVA	ARVIND KUMAR SRIVASTAVA	B.Tech.(ECE)	VBSPU CAMPUS
2	1752	Ankit Kumar Yadav	LaljeetYadav	B.Tech.(Electrical)	VBSPU CAMPUS
3	1753A	ADBHUT MISHRA	RK MISHRA	B.Tech.(EE)	VBSPU CAMPUS
4	1315	SUNIDHI SRIVASTAVA	ARVIND KUMAR SRIVASTAVA	B.Tech.(ECE)	VBSPU CAMPUS

Name of Organization: SRIRAM FORTUNE

Sr No.	Token No.	Name	Father Name	Course / Branch	College/ University Name
1	1288	VIVEK KUMAR	SHEETALA PRASAD	B.TECH(M.E)	V.B.S.P.U
2	831	AnushkaPandey	SatyaPrakashPandey	B.TECH	VBSPU Jaunpur
3	2274	DHARMENDRA KUMAR SINGH	VIJAY NARAYAN SINGH	B.TECH/EE	VBSPU CAMPUS
4	1652	VISHWAS KUMAR	SHAILENDRA KUMAR	BTECH/EE	UNSIET/VBSPU
5	618	TejeswaniGoswami	Lt. Shiv Kumar Giri	B.tech(ECE)	VBSPU
6	617	RIYA SRIVASTAVA	ASHWANI KUMAR	B.TECH/EC	UNSIET, VBSPU ,JAUNPUR
7	3168	AKANSHA UPADHYAY	MANOJ KUMAR UPADHYAY	B.tech(CSE)	VBSPU
8	1281	ABHAY KUMAR YADAV	RAM KUMAR YADAY	B.TECH(EE)	V.B.S.P.U. JAUNPUR(CAMPUS)
9	3186	PRIYA MISHRA	AJEET KUMAR MISHRA	B.TECH(E.E.)	V.B.S.P.U
10	3186	PRIYA MISHRA	AJEET KUMAR MISHRA	B.TECH(E.E.)	V.B.S.P.U

11	970	PRAKRITI DEEPAK	NARAD DEEPAK	B.TECH EE	UNSIET VBSPU
12	971	ANKIT YADAV	RAMESH SINGH YADAV	B.TECH	V.B.S.P.U
13	1649	ANURAG PAL	RAJENDRA PR. PAL	BTECH	UNSIET/VBSPU
14	837	ANKUL PASWAN	RAM PRAVESH	BTECH/CSE	VBSPU CAMPUS
15	3194	VIRAT SHUKLA	GYANENDRA SHUKLA	B.TECH(IT)	V.B.S.P.U. JAUNPUR(CAMPUS)
16	3165	AIMAN FATIMA	SADRE ARA	B.tech(CSE)	VBSPU
17	3729	KIRAN YADAV	PRAHALAD YADAV	B.TECH(ECE)	V.B.S.P.U
18	979	SANJEEV GUPTA	PANCHAM LAL GUPTA	B.TECH MECH	VBSPU CAMPUS
19	890	FARHAN AHMAD ANSARI	JAMEEL AHMAD ANSARI	BTECH/ECE	VBSPU CAMPUS
20	891	INDRESH PATHAK	LATE ASHOK PATHAK	B.TECH/EC	UNSIET VBSPU JAUNPUR
21	3179	RISABH KUMAR GUPTA	RAJESH KUMAR GUPTA	B.TECH(M.E)	V.B.S.P.U

Name of Organization: XCRINO					
Sr No.	Token No.	Name	Father Name	Course / Branch	College/ University Name
1	2185	SANDEEP VISHWAKARMA	VASHANT LAL	B.Tech. (IT)	VBSPU CAMPUS
2	3194	VIRAT SHUKLA	GYANENDRA SHUKLA	B.Tech. (IT)	VBSPU CAMPUS
3	1661	AMAN TULSHYAN	NAWAL KISHOR TULSHYAN	MBA (HRD)	VBSPU CAMPUS
4	2921	PRASHANT KUMAR PRAJAPATI	SUNIL PRAJAPATI	B.Tech. (IT)	VBSPU CAMPUS
5	3504	MOHD JAVEED	JIBARIL	B.Tech.(CSE)	VBSPU CAMPUS

The First Ever Alumni meet for first batch of B. Tech students

The first Alumni meet for first batch of B. Tech Students was organized under the Coordinatorship of the first (1997 -2001) batch Engineering Students Shri Vipul Singh. Vipul Singh enjoys the post of Chief Manager Power Grid Corporation of India Limited at Gurgaon.

The event was organized on Nov. 10, 2018 in the VishwesvaraiyaSabhagar at the Faculty of Engineering & Technology. It was a day long program in which nearly 100 Alumni & Students, Faculty Members and Technical Staff of the Institute participated. The agenda was to interact with past Students to faster better bonds among Alumni Students, Faculty Members and Technical Staff of the Institute.

The goals of Alumni Meet:

(a) To promote Information exchange among Alumni, Students, Faculty and Staff of the Institute.

(b) To improve Infrastructure at the Campus of the Institute located at Jaunpur.

(c) To increase Teaching and Research activities and standard at the Institute.

(d) To maintain better relations and to achieve for the Success of Alumni, Students, Faculty and Staff.

Formally the program was organized on Nov. 10, 2018 starting from 12:00 pm onwards in which Prof. Ranjana Prakash, Director Central Training & Placement Cell chaired as chief guest and Prof. B B Tiwari convened the program.Teachers presented their speech. Alumni also scoped and shared their experiences. Post lunch program included Interaction of Alumni with current batch Students. Afterwards they roamed around the Institute, and recalled their memories while visiting the hostels. They also played a friendly volleyball match in the hostel.

Induction Program

1 Introduction

1.1 Background

Engineering colleges were established to train graduates in their respective branch/ department of study, have a holistic outlook towards life, and have a desire to work for national needs and beyond. The graduating student must have excellent knowledge and skills in the area of his study. However, he must also have broad understanding of society and relationships. Character needs to be nurtured as an essential quality by which he would understand and fulfill his responsibility as an engineer, a citizen and a human being. Besides the above, several meta-skills and underlying values are needed. There is a mad rush for engineering today, without the student determining for himself his interests and his goals. This is a major factor in the current state of demotivation that exists among UG students towards studies. The success of gaining admission into a desired institution but failure in getting the desired branch, with peer pressure generating its own problems, leads to a peer environment that is demotivating and corrosive. For some, the start of hostel life without close parental supervision at the same time further worsens it with also a poor daily routine.

1.2 Extending a Helping Hand

To come out of this situation, a multi-pronged approach is needed. One will have to work closely with the newly joined students in making them feel comfortable, allow them to explore their academic interests and activities, reduce competition and make them work for excellence, promote bonding within them, build relations between teachers and students, give a broader view of life, and build character. When new students enter an institution, they also come with diverse thoughts, backgrounds and preparations. They come into a new unfamiliar environment, and many of them have little knowledge of a university/college. An important task, therefore, is to welcome the new students to higher education and prepare them for their new role. Transition from school to university/college life is one of the most challenging events in a student's life. Currently, precious little is done by most institutions, except for an orientation program lasting a couple of days. Student Induction is designed to help in the whole process. Therefore, it should be taken seriously, and as something more than the mere orientation program.

2   Student Induction Program-Purpose & Concept

Purpose of the Student Induction Program is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense

of larger purpose and self exploration. The term induction is generally used to describe the whole process whereby the new entrants adjust to or acclimatize to their new roles and environment. In other words, it is a well planned event to educate the new entrants about the environment in a particular institution, and connect them with the people in it. Student in Induction Program engages with the new students as soon as they come into the institution; regular classes start only after that. At the start of the induction, the new entrants learn about the institutional policies, processes, practices, culture and values, and their mentor groups are formed. Then the different activities start, including those which are daily.

Here is a list of activities:

- Physical Activity
- Creative Arts and Culture
- Mentoring & Universal Human Values
- Familiarization with College, Dept./Branch
- Literary Activity
- Proficiency Modules
- Lectures & Workshops by Eminent People
- Visits in Local Area
- Extra-Curricular Activities in College
- Feedback and Report on the Program

The time during the Induction Program is also used to rectify some critical lacunas, for example, English background, for those students who have deficiency in it. These are included under Proficiency Modules.

There will be a 3-week long induction program for the UG students entering the institution, right at the start. Normal classes start only after the induction program is over. Its purpose is to make the students feel comfortable in their new environment, open them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students, develop awareness, sensitivity and understanding of the self, people around them, society at large, and nature.

3   Daily Activity
The following are the activities under the induction program in which the student would be fully engaged throughout the day for the entire duration of the program.

3.1 Physical Activity

This would involve a daily routine of physical activity with games and sports. There would be games in the evening or at other suitable times according to the local climate. These would help develop team work besides health. Each student could pick one game and learn it for the duration of the induction program and hopefully, continue with it later.

3.2 Creative Arts

Every student would chose one skill related to the arts whether visual arts or performing arts. Examples are painting, music, dance, pottery, sculpture etc. The student would pursue it every day for the duration of the program. These would allow for creative expression. It would develop a sense of aesthetics and also enhance creativity which would, hopefully, flow into engineering design later.

3.3 Mentoring and Universal Human Values

Mentoring and connecting the students with faculty members is the most important part of student induction.

Mentoring takes place in the context and setting of Universal Human Values. It gets the student to explore oneself and experience the joy of learning, prepares one to stand up to peer pressure and take decisions with courage, be aware of relationships and be sensitive to others, understand the role of money in life and experience the feeling of prosperity. Need for character building has been underlined by many thinkers, universal human values provide the base.

Methodology of teaching this content is extremely important. It must not be through do's and don'ts, but by getting the students to explore and think by engaging them in a dialogue. It is best taught through group discussions and real life activities rather than lecturing. The role of group discussions, however, with clarity of thought of the teachers cannot be over emphasized. It is essential for giving exposure, guiding thoughts, and realizing values.

The teachers must come from all the departments rather than only one department like HSS or from outside of the Institute. Experiments in this direction at IIT(BHU) are noteworthy and one can learn from them.

Discussions would be conducted in small groups of about 20 students with a faculty mentor each. It is to open thinking towards the self. Universal Human Values discussions could even continue for rest of the semester as a normal course, and not stop with the induction program.

Besides drawing the attention of the student to larger issues of life, it would build relationships between teachers and students which last for their entire 4-year stay and possibly beyond.

4 Other Activity

Activities that are not there on a daily basis, but are conducted for 3-4 days (typically in the afternoons) and change thereafter.

4.1 Familiarization with College, Department/Branch

The incoming students should be told about the credit and grading system, and about the examinations. They should be informed about how study in college differs from study in school. They should also be taken on a tour of the college and shown important points such as library, canteen, and other facilities.

They should be shown their department, and told what it means to get into the branch or department. Describe what role the technology related to their department plays in society, and after graduation what role the student would play in society as an engineer in that branch.

A lecture by an alumnus of the Dept. would be very helpful in this regard. They should also be shown the laboratories, workshops and other facilities. The above should be done right in the first two days, and then over the afternoons thereafter, as appropriate.

4.2 Literary Activity

Literary activity would encompass reading a book, writing a summary, debating, enacting a play etc.

4.3 Proficiency Modules

The induction program period can be used to overcome some critical lacunas that students might have, for example, English, computer familiarity etc. These should run like crash courses, so that when normal courses start after the induction program, the student has overcome the lacunas substantially. We hope that problems arising due to lack of English skills, wherein students start lagging behind or failing in several subjects, for no fault of theirs, would, hopefully, become a thing of the past.

4.4 Lectures & Workshops by Eminent People

Lectures by eminent people should be organized, say, once a week. It would give the students exposure to people who are eminent, in industry or engineering, in social service, or in public life. Alumni could be invited as well. Motivational lectures about life, meditation, etc. by Ramakrishna Mission, Art of Living, Vivekanand Kendras, S-VYASA, etc.

may be organized. Workshops which rejuvenate or bring relief to students would also be welcome, such as, Art of Living workshops.

4.5 Visits in Local Area

A couple of visits to the local landmarks including historical monuments should be organized. This would familiarize the students with the area together with bonding with each other, like in a picnic. Visits should also be organized to a hospital, orphanage or a village. These would expose them to people in suffering or to different lifestyles. This might also sensitize them to engineering needs in these areas.

4.6 Extra-Curricular Activities in College

The new students should be introduced to the extra-curricular activities at the college/university. They should be shown the facilities and informed about activities related to different clubs etc. This is when selected senior students involved in or leading these activities can give presentations, under faculty supervision.

4.7 Feedback and Report on the Program

Students should be asked to give their mid-program feedback. They should be asked to write their opinions about the program at the end of the first week or so. The feedback should be used to make any mid-course correction, if any. Finally, at the end of the program, each group (of 20 students) should be asked to prepare a single report on their experiences of the program. On the second last day, each group should present their report in front of other groups. Immediately after their presentation, they should submit their written report. This will also serve as a closure to the program. Finally, a formal written or online anonymous feedback should be collected at the end of the program.

We have organised two Induction programs dated:

1. 10, August- 31, August 2018
2. 14, August – 07, September 2019

Details are spoken at Annexure 1& 2, respectively.

Students Learning Assessment

NPIU in collaboration with Stanford University has been implementing a large scale program to access and improve the skills of Engineering Students in India. For this purpose we have implemented SLA process during the baseline phase of the program in 2020. The first SLA was conducted during November 15-17, 2017.

Second SLA was conducted during March27-29, 2019.The end line phase of the program has also been implemented with the same student when the earlier Class students will be promoted to their Second and Fourth years. Faculty and HODs were surveyed in the year 2017. Additionally, the Students and Faculties were also surveyed who missed out in the baseline phase. Students surveyed were all Second and Fourth year Students of Information Technology and Electronics &Communication Engineering. A survey of all Faculty who teach or have taught the above Students in the last four semesters and all Faculties in the IT and ECE Department were surveyed. Details of both assessments are as follows:

First SLA:

Student Survey Response Rate:

Department/ Year	Enrolled	Surveyed	Gap
IT Department/ Year 1	35	30	05
IT Department/ Year 3	24	24	00
EC Department/ Year 1	21	20	01
EC Department/ Year 3	51	44	07
Total	131	118	13

Faculty Survey Response Rate:

Faculty	Strength	Surveyed	Gap
Faculty who teach/ have taught/ surveyed Students	37	35	02

HOD Survey response:

Head	Strength	Surveyed	Gap
Department Head IT	1	1	0
Department Head ECE	1	1	0

Second SLA:

Program Survey report

Assessing and improving the quality of Engineering Education Program survey conducted by Stanford University in October-November 2017.

Background and Motivation: A major goal of University Systems is to produce skilled graduates. Specifically, their goal is to help students gain higher levels of academic skills (e.g.maths and physics) and higher order thinking skills (e.g. critical thinking and quantitative reasoning). Such skills contribute towards productivity and innovation and help students compete in the global knowledge economy.

Despite the importance of improving students' academic and higher order thinking skills during college, there has been no direct and representative evaluation in India of whether students are learning these skills.

In view of this critical gap in knowledge, the NPIU has collaborated with researchers from Stanford University to implement the "Assessing and Improving the Quality of Engineering Education" program at TEQIP III institutions. The program is designed to measure and benchmark levels and gains in academic and higher-order thinking

skills of students in undergraduate technical programs and to understand the various factors that affect skill development. Ultimately, the study will enable TEQIP III institutions to assess the competitiveness of their students and to create a more effective system of technical higher education.

Objectives: The program has two main goals:

1) Assess university student skills (levels and gains) and compare student skills across institutions.

2) Examine which types of factors (institutional, faculty, instructional, curricular, student behavioural) help students develop skills.

Approach: We have surveyed 118 TEQIP-III colleges that offer CS/CSE/IT1 or EE/EEE/ECE2 programs across India. We randomly chose 1 CS/CSE/IT department and 1 EE/EEE/ECE department to survey from each college.

Altogether, we have assessed and surveyed:

• Approximately 27500 Year 1 and Year 3 students

• Approximately 4300 of the students' faculty

• Approximately 200 department heads (HoDs)

We assessed students on their academic skills (mathematics and physics) and higher-order thinking skills (critical thinking, quantitative literacy, and relational reasoning).

The assessments we used have the following properties:

a) Desirable psychometric properties – reliability, validity, and fairness;

b) Where possible, the ability to measure skill gains over time (vertical-scaling);

c) Comparability of skill levels and gains across institutions

Results: Our results describe the 'mean scaled score' for your college on each of the five assessments administered to the students. The 'mean scaled score' for your college is the average score of all surveyed students on a particular assessment, adjusted to a scale of 0 to 100. All scores have been scaled in line with preservation of desirable psychometric properties. As a result of scaling, the mean score for India

on a 0-100 scale is 50 for each assessment category. These scaled scores should not be confused with percentage scores.

Figures 1-5 compare average skill level of students at your college with the average skill level of students nationally on academic skills (mathematics skills and physics skills) and on higher order thinking skills (critical thinking skills, quantitative literacy skills, and relational reasoning skills).

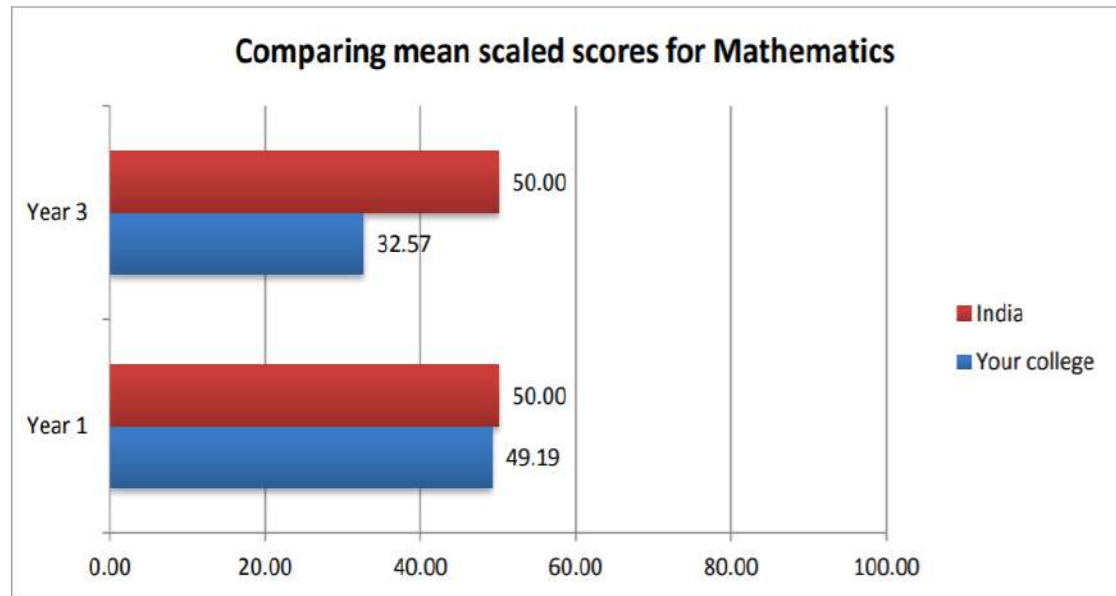Figure 1. Comparison of Mathematics Skill Levels

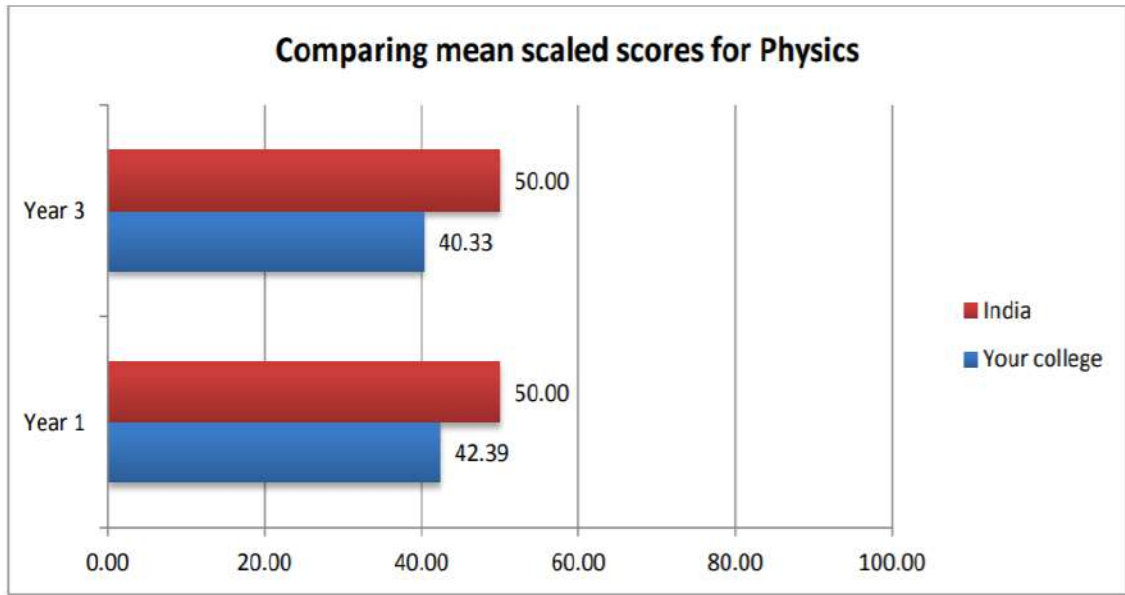Figure 2. Comparison of Physics Skill Levels

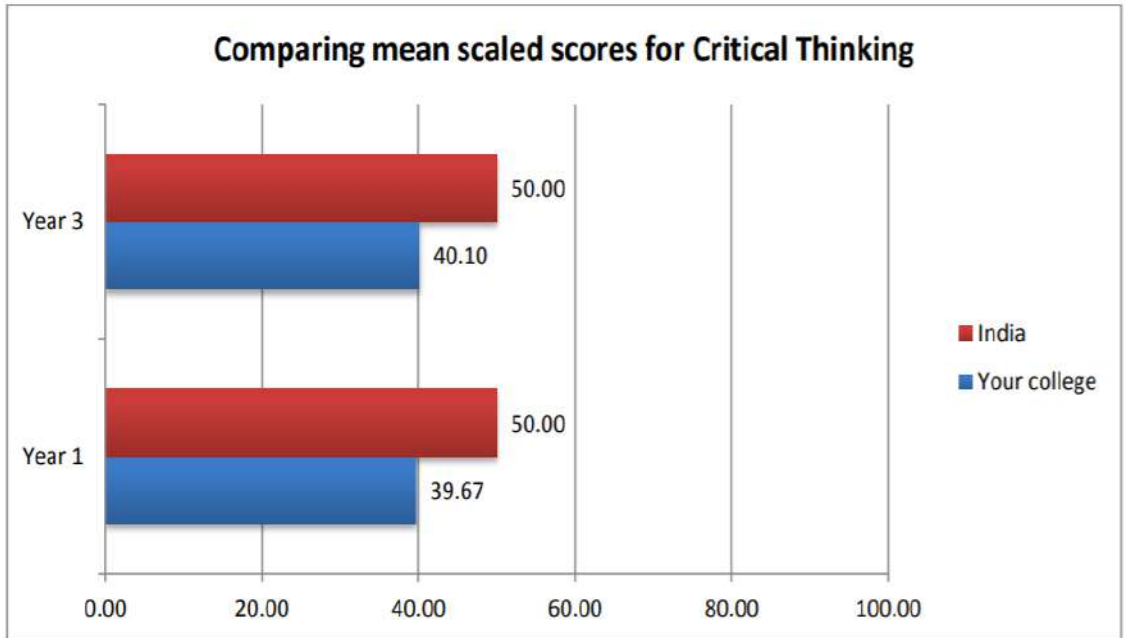Figure 3. Comparison of Critical Thinking Skill Levels

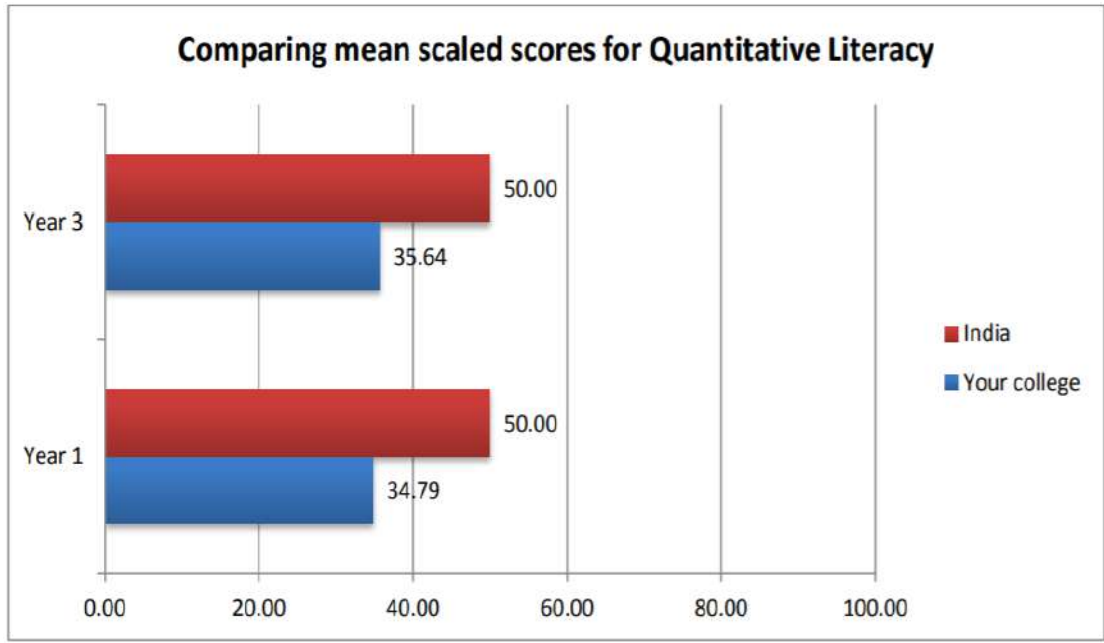Figure 4. Comparison of Quantitative Literacy Skill Levels

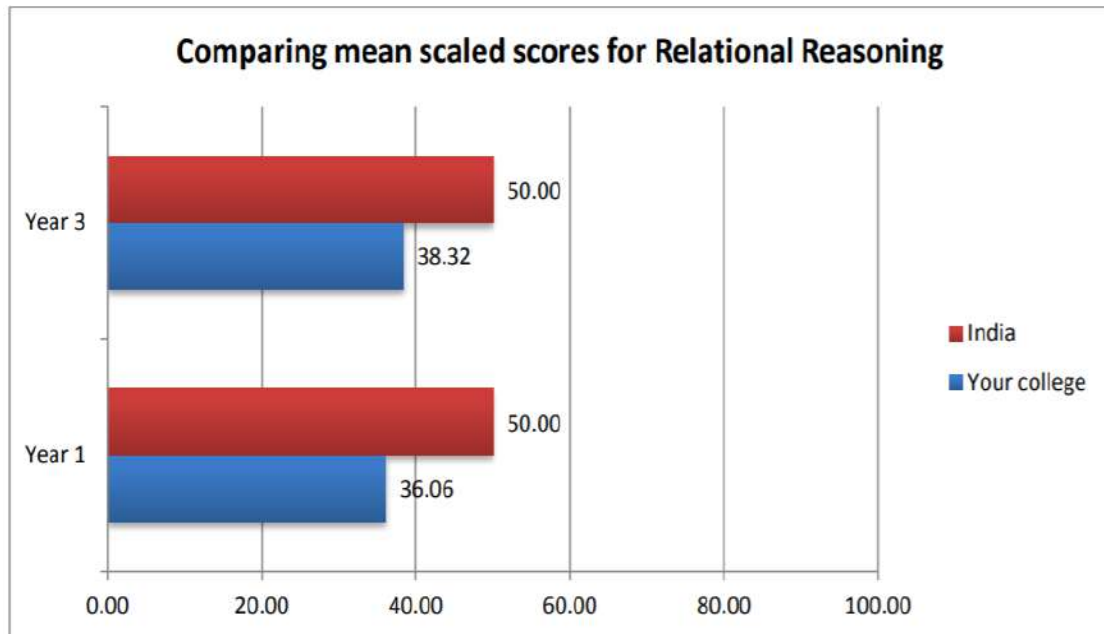Figure 5. Comparison of Relational Reasoning Skill Levels

Figures 6 & 7 represent the mean scaled scores for different assessments for first and third year students at your college and how they compare nationally.

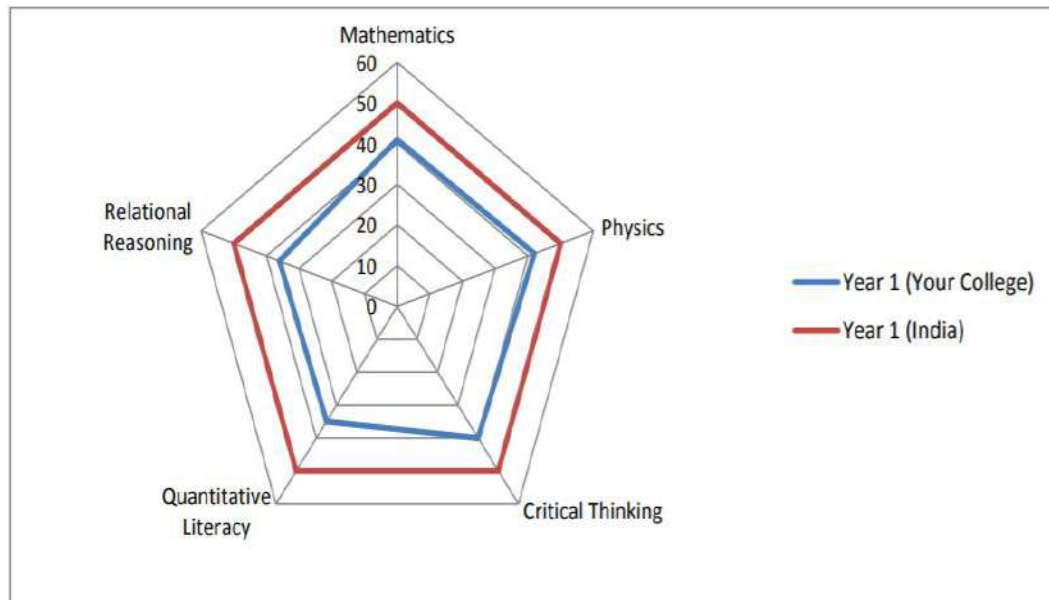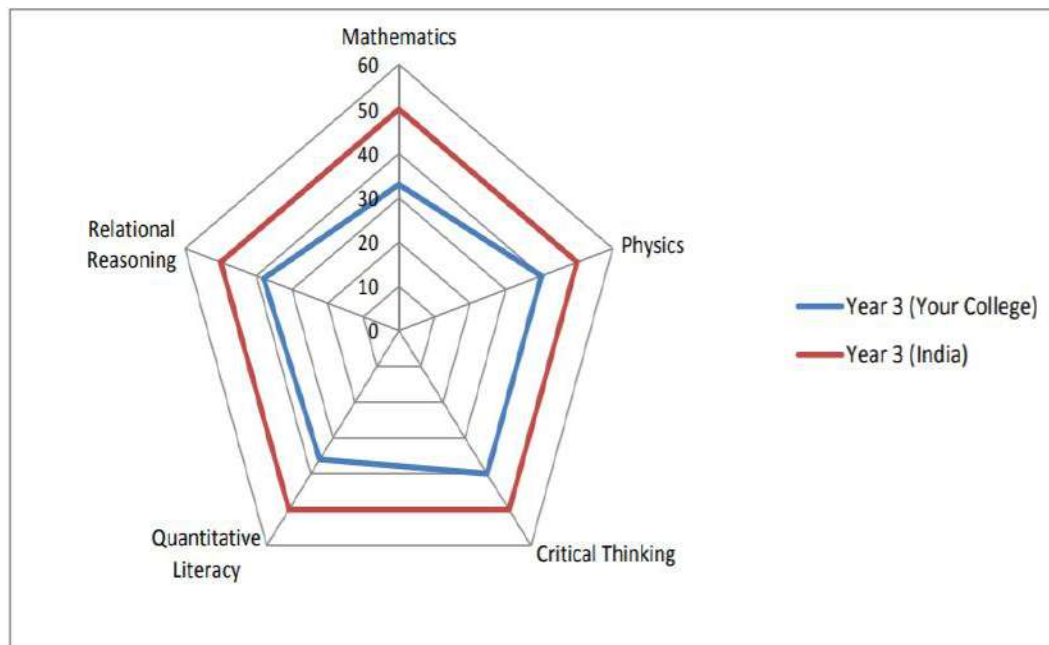Figure 6. Mean Scaled Scores for 1 st Year Students at your College versus the National Average

Figure 7. Mean Scaled Scores for 3rd Year Students at your College versus the National Average

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Tables 1 & 2 provide the mean scaled scores for different topics (content areas) in Physics and Mathematics for students at your college alongside the national average.

Table 1. Mean Scaled Scores by Topic, Physics

	Topic	Mean scaled score for your college	Mean scaled score for India
Year 1	Circuits	44.64	50.00
	Electric Fields	39.65	50.00
	Electromagnetic Induction	38.84	50.00
	Mechanics	44.07	50.00
	Oscillation and Mechanical Waves	41.39	50.00
	Optics	48.77	50.00
Year 3	Electric Fields	40.05	50.00
	Magnetism and Magnetic Fields	43.06	50.00
	Electromagnetic Induction	48.87	50.00
	Mechanics (including oscillation and waves)	32.82	50.00
	Optics	49.06	50.00
	Relativity and Quantum Physics	49.96	50.00

Table 2. Mean Scaled Scores by Topic, Mathematics

	Topic	Mean scaled score for your college	Mean scaled score for India
Year 1	Single Variable Differentiation	35.48	50.00
	Derivatives and their applications	39.86	50.00
	Equations	38.18	50.00
	Functions and Domains	38.93	50.00
	Inequalities	49.15	50.00
	Mathematical Reasoning and Logic	44.15	50.00
	Trigonometric Functions and Equations	40.61	50.00
Year 3	Single Variable Differentiation	28.96	50.00
	Single Variable Functions	38	50.00
	Single Variable Integration	37.13	50.00
	Linear Algebra	39.55	50.00
	Multivariate Differentiation	33.55	50.00
	Mathematical Reasoning and Logic	40.62	50.00
	Differential Equations, Probability, Statistics, and Series	37.57	50.00
	Trigonometric Functions and	42.90	50.00

Report of the program is attached as Annexure 3

Industrial Visits for Students

Industrial visits for Students forms the core concepts in the process of Institute – Industry interaction. During full span of TEQIP-III project Industrial visits for Students facilitated across all the branches of Engineering during vacations and Induction Programs.

The very first Industrial visit for 2nd year Student across all the branches was organised in Collaboration with the Institute of Entrepreneurship Development (IED) Lucknow during Sept. 26-29, 2017. In this visit Students were taken to Sataria Industrial state Allahabad. Students were noticed quite enthusiastic and inspired in this visit.

Final year Electronics Engineering Students visited Electronics Industries in Rudrapur, Nanitaal and adjoining places during March 06-08, 2018. The Faculty members Mrs. Manisha Yadav, Ms. Poonam Sonakar, Sh. Sudhir Singh & Sh. Vishal Yadav accompanied Student. Theyvisited Minda Corporation Ltd. at Rudrapurand other places.

Induction program 1 was organised during 10-31 August, 2018 in which Industrial visit was an important component for 1st year Students of all branches. The Students visited the

Sataria Industrial state on August 14, 17 & 23, 2018. The Students first time experienced the interaction with Machines in the production units. The team of Teachers lead by Mr. Vishal Yadav & Ms. Jaya Shukla took the Students in several Industries day long for each day.

2nd Induction program held during August 16, 17, 29 & 31, 2019 new batch first year Students again visited Sataria industrial state. The team of Teachers lead by Sh. Vishal Yadav & Mrs. Priti Sharma took the Students in several Industries day long for each day.

Final year Students of Electronics Engineering accompanied with Sh. Vishal Yadav, Sh. Shailesh Prajapati & Ms. Poonam Sonkar, visited CSIR Chandigarh, Amritsar & Shimla during Oct. 03-08, 2019.

Final year Electronics Engineering Students visited ISTRACK ET & C, ISRO Lucknow with Prof. BB Tiwari and Sh. Shailesh Prajapati on 21st Dec. 2018.

Some Students of various Departments visited IED Lucknow for Industrial visit during August 26-28, 2019.

Final Engineering Students across all the branches visited different Industries related to their Specialisation during October – November, 2019. Electronics Engineering Students visited Dehradun, Rishikesh, Haridwar& Mussoorie. They visited in Bharat Heavy Electrical Ltd., Patanjali Hariwar and other places.

Final year Electrical Engineering Students accompanied with Sh. Rohit Rastogi, Sh. Anurag, Sh. Lalbahadur& Ms. Jaya Shukla visited Bhopal, Shanchi and other places during 12-16 Nov., 2019. They visited to Bharat Heavy Electrical Ltd. Bhopal and other places.

Computer Science and Information Technology Students a companied with Sh. Suneel Yadav, Sh. Divyendu kr. Mishra & Sh. Purnendu Kumar visited Bangalore, Mysoor and adjoining area during Nov. 13 -19, 2019. They visited Software Jiants in Bangalore and Silk Industry Mysoor and other places.

Students of Mechanical Engineeringa companied with Sh. Deep Prakash Singh, Sh. Santosh Upadhyay and Mrs. RatnaUpadhyayvisited TATA Industries at Jamshedpur, Bhubaneswar, and adjoining area during Nov. 25-29, 2019. They had wonderful interaction in TELCO.

Summer Internship program

Summer Internship programwas organized for 2nd year passed Students from 27.05.2019 to 08.08.2019. Various experts for each Department were invited to impart theoretical as well as hands on rigorous Trainings for Continuous two months. Experts from Industries as well as Research Organizations and free lancers in areas of Science, Technology and Skill Developments were invited. Mr. Sayed Abdur Rauf Magrabi, Robotics Trainer, Dbeerpura, Hyderabad; Mr. G.K. Upadhyay, Ex-member Telecom Department, Gaziabad; Mr. Neeraj Kr. Srivastava, Associater Professor, UIM Allahabad; Mr. Chetan HR, Asst Professor EE Dept, Karnataka; Mr. A P Natrajan, Hyderabad etc were invited.

A regress program on Naturopathy was conducted by Dr. Chaaya Singh & Team. Students work taught about basics of C/C++ as these languages form the core of Computation & Designs in Engineering. P-Spice sessions as well as CAD/CAM sessions were undertaken for respected branches.

Time Table for Internship of 2nd year passed student

CS/IT	EC/EI	EE	ME
Training by ESCI Hyderabad 27 May to 15 June	Training by ESCI Hyderabad 27 May to 15 June	Training by ESCI Hyderabad 27 May to 15 June	Training by ESCI Hyderabad 27 May to 15 June
Lecture by **Prof. Ramchandra Reddy** 17 June (9:30- 11:00am) Lecture by **Prof G K Upadhyay** 17 June (11:30-1:00 pm) Lecture **by Prof A P Natrajan** 17 June (1:30-3:00 pm) Lecture by **Dr Anuradha Dhara** 17 June (3:00-4:30 pm)	Lecture **by Prof A P Natrajan** 17 June (9:30-11:00am) Lecture by **Dr Anuradha Dhara** 17 June (11:30-1:00 pm) Lecture by **Prof. Ramchandra Reddy** 17 June (1:30-3:00 pm) Lecture **by Prof G K Upadhyay** 17 June (3:00-4:30 pm)	**17 June to 1 July** **Computer Skills in C/C++** **Dr Brijesh Bhardwaj, Faizabad** Lecture by **Prof. Ramchandra Reddy** 18 June (9:30-11:00am) Lecture by **Prof G K Upadhyay** 18 June (11:30-1:00 pm) Lecture **by Prof A P Natrajan** 18 June (1:30-3:00 pm) Lecture by **Dr Anuradha Dhara** 18 June (3:00-4:30 pm)	**17 June to 24 June** **Computer Skills in C** **Dr. Shyam Kumar, Maharaja Balwant Singh, Varanasi** Lecture by **Prof A P Natrajan** 18 June (9:30- 11:00am) Lecture **by Dr Anuradha Dhara** 18 June (11:30-1:00 pm) Lecture by **Prof. Ramchandra** Reddy 18 June (1:30-3:00 pm) Lecture by **Prof G K Upadhyay** 18 June (3:00-4:30 pm)
18 June- 24 June **Program on Naturopathy by Dr Chhaya Singh**	**18 June to 1 July** **Computer Skills in C/C++** **Dr. Brijesh kumar, RML Awadh**		
24/06/2019 & 25/06/2019	**26/06/2019 & 27/06/2019**	**28/06/2019 & 29/07/2019**	**01/06/2019 & 02/06/2019**

(3:30-5:30 pm)	(3:30-5:30 pm)	(3:30-5:30 pm)	(3:30-5:30 pm)
Session by Ms. Vandana Sheoron on Communication and Soft Skills	Session by Ms. Vandana Sheoron on Communication and Soft Skills	Session by Ms. Vandana Sheoron on Communication and Soft Skills	Session by Ms. Vandana Sheoron on Communication and Soft Skills
25 June to 8 July **Computer Skills in C/C++** **Dr Neeraj Kumar Srivastava, UIM Allahabad** Lecture by Prof R K Upadhyay 2 July (2:00-3:00 pm)	**P-SPICE session by mentor institute.** **2 July to 8 July** Lecture by Prof R K Upadhyay 3 July (2:00-3:00 pm)	**P-SPICE session by mentor institute.** **2 July to 8 July** Lecture by Prof R K Upadhyay 3 July (2:00-3:00 pm)	**25 June- 01 July** **Program on Naturopathy** **02 July to 8 July** **Computer Skills in C++ by Dr. Saurabh Pal/ Dr. Shyam Kumar, Maharaja Balwant Singh, Varanasi** Lecture by Prof R K Upadhyay 2 July (3:30-4:30 pm)

Detailed Time table is there at Annexure 4

IED

Activities with Institute of Entrepreneurship Development (IED) Lucknow

The Institute of Entrepreneurship Development, U.P. (IEDUP), Lucknow is a premier Institute in the field of Entrepreneurship. IEDUP was established as the first state level Institution for Entrepreneurship Development by the Government of U.P. with initial support of IDBI, IFCI, ICICI, SBI& PNB in 1986. It is an autonomous organization registered under the Societies Registration Act, 1860 and governed by its own Board of Governors which comprises senior bureaucrats, representatives from financial Institutions, and academicians. In its *"Industrial Infrastructure and Investment Policy, 2012"* Government of Uttar Pradesh has recognized IEDUP as a **Centre of Excellencefor Entrepreneurship and Human Resource Development**.

IEDUP is involved in entrepreneurship and industrial development through the well-designed interventions, i.e. Training, Capacity building, Research, Evaluation, Workshops, Seminars, Awareness programs, Sensitization and publication etc. Institute has a very strong professional team having long, enriched multi-disciplinary experience.

IEDUP has, since its inception, organized more than 9000 professional activities and trained more than 2.50 lakh persons including officers and staff of different departments, teachers, trainers, NGOs, unemployed youth, women and adolescent girls. Besides Uttar Pradesh, Institute has executed projects in Jharkhand, Odisha, Uttarakhand, Rajasthan, Jammu& Kashmir also.

With an objective to promote entrepreneurship among different sections of society, IEDUP has been designing customized training, skill development as well as capacity building programmes specific to their needs and objectives of the sponsoring organizations. Such programmes have been implemented for employment/self-employment/enterprise creation, supported by various departments at State and Central Government, as well as International agencies, and Corporate Organization. Institute's activities are designed around its mission and vision:

*Vision :*Developing enterprising citizens for vibrant economy.

*Mission:*To promote entrepreneurial culture through well planned interventions.

1. **Faculty Development Program 25-27 Oct, 2017**

Entrepreneurship Development Program:

Entrepreneurship development is now a national issue and Government of India as well as State Government are promoting innovations and entrepreneurship development initiative at different levels. At the same time quality education is one of the most focused issues and various States in the country are implementing Technical Education Quality Improvement Program (TEQIP) supported by World Bank. As, the country needs millions of enterprising youth to ideate, innovate, and commercialize the innovative products, it is very important to infuse entrepreneurship and employability among students of technical education so that students at engineering and management colleges may realize and utilize their strengths and high level of creativity, competitiveness towards converting ideas into products and contribute to growth of MSME. Bharat Bhavishya and TEQIP III: Institute of Entrepreneurship Development UP, which is The Center of Excellence in the field of human resource and entrepreneurship development in Uttar Pradesh, have initiated a project "Bharat Bhavishya" for promoting entrepreneurship among students in association with technical institutions. The Project Bharat Bhavishya piloted in 2013 with an Awareness Workshop on "Entrepreneurship as A Career Option in Agra and organized the first workshop in SRMS Engineering Institutions Bareilly in presence of Sri Bhagawat Sharan Gangwar, then the State Minister for Industries, UP. So far working closely with engineering and management colleges IEDUP has come across the TEQIP coordinator and organized various activities in MMMUT, Gorakhpur, KNIT, Sultanpur, UNSIET, VBS Purvanchal University, Jaunpur. This project focuses firstly on developing entrepreneurial competencies among students including leadership, Resource Planning, MSME Promotion and management, Industry Interface and Exposure to students, bridging the gaps in personality attributes in view of

improving learning behavior and employable skills among students and Secondly on Capacity Building of Faculties. Under Bharat Bhavishya Project about 1800 students are registered and IEDUP has organized 6 workshops on "Entrepreneurship as a Career Option" 10 training programs on Entrepreneurship Development for students and 5 Faculty Development Programs under this project. In view of commonness of target groups and expected outcomes of Bharat Bhavishya and TEQIP III, IEDUP as the state level Training Institution and Center of Excellence for human resource and entrepreneurship development, offers different activities for –

• Capacity development of key role players such as faculties, staff involved in the project,
• Strengthening entrepreneurial and managerial capabilities among students.
• Industries Exposure and Industrial Visits, Internship for students.
• Hands on training on selected technical event, personal grooming of students towards qualitative improvement in overall Educational achievements.

About the Program
Background

Entrepreneurship development is now a national issue   and Government of India as well as State Government are promoting innovations and entrepreneurship development initiative at different levels. At the same time quality education is one of the most focused issues and various States in the country are implementing **Technical Education Quality Improvement Program (TEQIP)** supported by **World Bank**. As, the country needs millions of enterprising youth to ideate, innovate, and commercialize the innovative products, it is very important to infuse entrepreneurship and employability among students of technical education so that students at engineering and management colleges may realize and utilize their strengths and high level of creativity, competitiveness   towards converting ideas into products and contribute to growth of MSME.

Bharat Bhavishya and TEQIP III

Institute of Entrepreneurship Development UP, which is The Center of Excellence in the field of human resource and entrepreneurship development in Uttar Pradesh, have initiated a project *"Bharat Bhavishya"* for promoting entrepreneurship among students in association with **technical institutions**.

This project focuses firstly on developing entrepreneurial competencies among students including leadership, Resource Planning, MSME Promotion and management, Industry Interface and Exposure to students, bridging the gaps in personality attributes in view of improving learning behavior and employable skills among students and Secondly on Capacity Building of Faculties. Under Bharat Bhavishya Project about 1800 students are registered and IEDUP has organized 6 workshops on "Entrepreneurship as a Career Option" 10 training programs on Entrepreneurship Development for students and 5 Faculty Development Programs under this project. In view of commonness of target groups and expected outcomes of Bharat Bhavishya and TEQIP III, IEDUP as the **state levelTraining Institution** and **Center of Excellence for human resource and entrepreneurship development,** offers different activities for -

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b. Strengthening entrepreneurial and managerial capabilities among students.
c. Industries Exposure and Industrial Visits, Internship for students.
d. Hands on training on selected technical event, personal grooming of students towards qualitative improvement in overall educational achievements.

The Project Bharat Bhavishya piloted in 2013 with an Awareness Workshop on "Entrepreneurship as A Career Option in Agra and organized the first workshop in SRMS Engineering Institutions Bareilly in presence of **Sri Bhagawat Sharan Gangwar**, then the State Minister for Industries, UP. Since then, working closely with engineering and management colleges IEDUP has come across to **Dr. Neelam Srivastava**,Project Coordinator, SPFU, (TEQIP II) and organized various activities in MMMUT, Gorakhpur, KNIT, Sultanpur. In UNSIET, VBS Purvanchal University, Jaunpur, this project started with the deep concern and commitment of Prof**. Dr. B.B. Tiwari** Dean of Faculty and Coordinator TEQIP III, who invited Institute for conducting trainings on entrepreneurship and other important themes.

Context

Institute of Entrepreneurship Development UP, being Center of Excellence in the field ofhuman resource is working with Institutional Tie ups and proposes special programs in view of framework of TEQIP III and specific requirements of the students and Institutions.Institute believes that imparting of entrepreneurial inputs at the time of career planning is more effective therefore Entrepreneurship Development Training Programs for students of engineering and professional courses and the Faculty Development Trainings on Entrepreneurship have been designed by the Institute considering specific requirements.

Programs

With an objective of promoting Entrepreneurship and Employability, learning behavior among students, IEDUP has organized two programs on "**Self-Exploration and Personal Effectiveness**" for the first-year students, Two Training Program on **Business Opportunity Guidance and Business Plan Preparation** for second and Third Year students and one Training program on Business Opportunity Guidance and Business Plan Preparation.

Program	*Dates*	*Participants*
Faculty Development Program on Business Opportunity Guidance and Business Plan Preparation	*October, 25-27, 2017*	*26 faculties of UNSIET, Jaunpur*
Training on Business Opportunity Guidance and Business Plan Preparation for students	*October, 25-28, 2017*	*40 students of IInd and IIIrd year of UNSIET, Jaunpur*
Program on Self Exploration and Personal Effectiveness for students	*October, 25-28, 2017*	*35 students of Ist year of UNSIET, Jaunpur*

Program-01

Faculty Development Program on

Business Opportunity Guidance and Business PlanPreparation

Need: Development of enterprising youth is based on, supportive and facilitative environment and research and innovations in the region. Many communities are known to be enterprising like Gujarat, Punjabi, Sindhi, but we also know that entrepreneurs are not borne they grow as result of their environment in family / educational institutions / society, motivation and attitude.

Role of the faculty members at the college, who are in regular touch with this creative and aspiring generation, is very important as they can carry out the systematic approaches to inculcate entrepreneurship, foster entrepreneurial skills among students and facilitate them to be an innovative and enterprising human resource or an entrepreneur / intrapreneur. This role enhancement and enrichment demands capacity development of the faculties on entrepreneurship development process.

Objective: To develop an understanding among faculties on Business Opportunity guidance and Project Preparation

Venue: V.B.S Purvanchal University Jaunpur

Date & Timings: 25 Oct. to 27 Oct 2017 / [10:00 AM To 05:00 PM]

Total Participants: 26

Resource Person:

Dr. Pdmalyer,	Expert on Entrepreneurship and Ex Faculty, Amity University, Lucknow
Ms Vibha Tripathi,	Associate Faculty Member, IEDUP, Lucknow
Dr. Maan Singh Rathore,	Associate, IEDUP, Lucknow

Mr. Aditya Prakash,	Assistant Professor, RuhelKhandUniversity ,Bareily.
Mr. Saurabh Khare,	Assistant Trainer, IEDUP, Lucknow

Program Module:

• Micro Lab • Entrepreneurship - What and Why • Business Environment Scanning and Analyses of Opportunities	• Framework of Entrepreneurial Projects and Analyses • Practice of Guiding Students on Presentations

Details of Sessions

4.1. Inauguration

After the registration the program was inaugurated by Prof. B. B. Tiwari Dean, Faculty of Engineering and Technology and Coordinator TEQIP III, Purvanchal University and Ms. Vibha Tripathi (AFM) IEDUP and Coordinator Bharat Bhavishya. In the welcome speech Prof. Tiwari highlighted the importance and significance of the program and appeal participants for their active participation during different sessions. Ms. VibhaTripathiin her address highlighted the significant role of Faculties in promotion of entrepreneurship facilitation amongengineering students. and Ms Tripathi gave them a brief about the program.Dr. Padma Iyer expert on Entrepreneurial Motivation. Purvanchal University were also present in the inaugural session.Media representatives were also present during the inaugural session

4.2. Micro Lab:

The session of Micro lab with a physical movement-based exercise was conducted byDr. Padma Iyer with following objectives:

To make participant free and to motivatedfor active involvement in the program

To make them energies and cooperate each other in learning processes.

4.3. What and Why Entrepreneurship:

To detail the concept of entrepreneurship **Mrs.Vibha Tripathi** described through lecture and power point presentation that what is entrepreneurship and why it is important for youth today's scenario in India and motivated participant to select entrepreneurial career.She highlighted thatEntrepreneurship described as the "capacity and willingness to develop, organize and manage a business venture along with taking risksin order to make a profit.

4.4. Business Opportunity Guidance

In this session environment scanning was done by the participant with facilitation by Ms. Vibha Tripathi to identify business / entrepreneurial opportunity, so that they may be aware of the existence of various business potential and opportunities in the local and global environment.

4.5. Analysis of Opportunities: To select the project which suits to individual skills and aspirations, analysisof the listed opportunity was done with an entrepreneurial approach on following components:

- Market Demand and Supply
- Gaps in existing products
- Local availability of labour, raw material and required infrastructure
- Individual strengths and interest
- Financial strength
- Family background and support
- Existing policies and legal framework

Which were described by the faculty with examples and the queries were also raised by the participant which were satisfied by the same faculty.

4.6. Framework of Entrepreneurial Projects:

The participants were introduced with the general format of the project report for the enterprise promotion by Dr. Maan Singh IEDUP and Aaditya Kumar, Ruhelkhand University. The framework of a Business Plan explained, is as following:

1.General Information	5. Plant and Machinery	9. Raw Material	13. Working Capital
2. Promoter	6. Production Process	10. Manpower	14. Funds Required
3. Location	7. Utilities	11. Products	15. Costsand Profits
4. Land and Building	8. Transport and Communication	12. Market	16. Break-Even Analysis

Practice and Presentation:

The concept and importance of presentation has been told to the participants and described that the format of a business plan depends on its presentation context. It is common for businesses, especially start-ups, to have three or four formats for the same business plan. After the basic explanation participants were asked to prepare Business Plan of one most suitable project. Initially participants were asked to prepare individual plan and later for group venture. All the participants have made their presentations.

In the practice session participants have facilitated students to select one project out of many projects identified by the students and explained the framework of Business Plan to the students in groups of 4students. In the last session students and Faculty (participant) have presented their business plan andremaining participants along with the experts and resource persons played the role of investors/ bankers.

The session went on very live and fruitful as different dimensions were discussed and clarified.

2. Workshopon Exploring Self and Personal Effectiveness

Venue   : V.B.S Purvanchal University Jaunpur

Date & Timings   : **[**26 Oct. to 28 Oct 2017] / [10:00 AM To 05:00 PM]

Total Participants   : 35

Objective   :Facilitating Students of First Year for exploring personal barriers
                             and overcome such barriers
                             Facilitating students in coping with the changed environment
                             (from home to college)

Resource Person:

- Dr. Padma Iyer
- Ms Vibha Tripathi
- Mr. Aditya Prakash
- Mr. Saurabh Khare

Program Module:

a) Self Exploration
   i. Awareness on own ambitions and desires
   ii. Understanding on strengths and Improvement areas
b) A check on the Internal and External Barriers

c) Personal Effectiveness

d) Team work and leadership in the groups

e) Inter-personal Communication Skills

Sessions Details

5.1 Self Exploration

The Micro lab session including physical movement and sharing of strengths and weaknesses, aspirations and ambitions was conducted by Ms. Vibha Tripathi. A reality check of their (students) preparedness for the desired goals were assessed by the students themselves. After this session student were less hesitant and more open with the Resource Persons as well as with other participants of the program.

Another exercise conducted for self exploration was the Thematic Apperception Test by Dr. Padma Iyer. During this exercise student were shown few pictures for few seconds and wrote a story on the shown picture. With the analyses of the responses on standard parameters of personality traits students could realize their strengths and areas of Improvement.

5.2 A check on the Internal and External Barriers

The analysis of responses on TAT has helped students to find out the locus of control of their

behavior and realizing that the barriers which block the achievement are caused by their own mind set/ value system/ personality traits or within family or in social structure, policy level or other environmental factors. Students were also counseled to handle such barriers.

5.3 Personal Effectiveness

To enhance personal effectiveness few exercises were conducted which helped students to understand their inhibitions, lack of confidence, teamwork, inter personal communications, gender gaps etc. These exerciseswere conducted as following-

A Debate was conducted on five topics. Students were divided into group of six and each group was assigned one topic. Three members were asked to speak in favor and three members against the topic. The topics given were related with socio economic and gender issues.

Through this exercise student could:

: gain confidence to speak in front of authorities and on stage.

: realize use of body language.

: understand the message underlying between the lines.

: understand the importance of accepting others and working together on an issue.

: experience dimensions of Interpersonal communication

Tower Building Exercise was conducted by Dr. Padma Iyer and Mr.Aaditya Kumar to impart training on **Team work and leadership in the groups.** The exercise was conducted **in group** of five students assigning them different roles to complete the given task, set the target and strategies to achieve the target. During the exercise students were quiet enthusiastic and played assigned roles in different manner. The key factors in team work and leading a group were discussed through the analyses of responses of students.

Through this exercise student could:

- be exposed to the target setting process.
- learn skill of giving instructions and following the instructions.

- Experience the barriers in communication.

- be exposed to the importance of different roles in a team.

Special Mention

On the first day of the program after conducting the micro lab session for the students of first year of B Tech, I was moving ahead for dining hall a student came to me asking " Ma'amcould you please help one of my friend , she is nominated for this training but very reluctant to join." I asked the reason and he told that the girl is very emotional and fearful, she starts crying if someone speaks to her a bit loud. I asked him to bring her next day in morning to me for the counseling. No one came to me next morning.

In the training room I noticed a new face sitting in second row hiding herself in back of the front seated student. During the debate I assigned her a role for which she was hesitant to the extent of not speaking audible even to me. Howsoever I succeeded in bringing her on stage and involved another girl to facilitate, every word spoken by the facilitator or myself on her behalf. After giving them the task and time for preparation I left the room for next 30 minutes.

On time of debate when the students were debating turn by turn on the assigned topic in their groups.

On turn of the third group I saw the same girl on last number coming with her group. I was preparing myself to facilitate her to speak but giving me a good shock the girl was the first person taking mike in her to lead the debate. She had not only presented her thoughts with clarity but also with the full confidence and high spirit.

I am not sharing the name purposely but on that day I felt the real sense of achievement of conducting the "**Workshop on Exploring Self and Personal Effectiveness" for students of first year of engineering.**

Vibha Tripathi

Program-03

Business Opportunity Guidance and Business Plan Preparation

Venue   : **V.B.S Purvanchal University Jaunpur**

Date & Timings   : **26 Oct. to 28 Oct 2017 / 10:00 AM To 05:00 PM**

Total Participants   : 42

Objective: Business opportunity and to give them framework of Project Report Preparation

for Enterprise Promotion

Resource Person: Dr. Pdmalyer

Mr.Amaaranjan Kumar

Ms Vibha Tripathi

Mr. Maan Singh Rathore

Mr.R.B. Mishra

Mr. Aditya Prakash

Mr. Saurabh Khare

Program Module: Micro Lab

Entrepreneurship - What and Why

Business Environment

Business Opportunity Guidance

Analyses of Opportunities

Framework of Entrepreneurial Projects

Analyses of Components and Calculations

Business Plan Preparation and Presentations energy

Session Details

6.1. Inaugural Session

The program was inaugurated jointly by Prof. B.B. Tiwari, Ms.Vibha Tripathi and Dr. Padma Iyer on 26th October 2017.Dr. Tiwari gave the objective of conducting this training for the student. Ms. Vibha Tripathi focused on the importance of being entrepreneurial and adequate planning for the business venture / Micro, Small Enterprises. Dr. Padma Iyer emphasized the initiatives and innovative way of working.

6.2. Micro Lab:

The session of Micro lab with a physical movement-based exercise was conducted by Dr. Padma Iyer and Mr. Saurabh Kharewith following objectives:

To make participant free and to motivatedfor active involvement in the program

To make them energies and cooperate each other in learning processes

6.3. What and Why Entrepreneurship

To detail the concept of entrepreneurship **Dr. Padma Iyer**describedthrough lecture and case studies of successful entrepreneurs that what is entrepreneurship and why it is important for youth in existing economic and political scenario of India and motivated participant to select entrepreneurial career. She highlighted that Entrepreneurship described as the "capacity and willingness to develop, organize and manage a business venture along with taking risksin order to make a profit.

6.4.Business Opportunity Guidance

In this session environment scanning was done by the participant with facilitation by Dr. Padma Iyer to identify business / entrepreneurial opportunities in the surrounding environment, so that they may be aware of the existence of various business potential and opportunities in the local and global environment.

6.5. Analysis of Opportunities

To select the project which suits to individual skills and aspirations analyses of the listed opportunity was done with an entrepreneurial approach on following components:

- Market Demand and Supply
- Gaps in existing products
- Local availability of labour, raw material and required infrastructure

- Individual strengths and interest

- Financial strength

- Family background and support

- Existing policies and legal framework

Which were described by the faculty with examples and the queries were also raised by the participant which were satisfied by the same faculty.

6.6. Framework of Entrepreneurial Projects:

The framework of Business Plan was introduced to the students in groups of 4/5 by the faculties (participants of FDP) and facilitated by Dr. Maan Singh IEDUP and AadityaKumar,Ruhelkhand University. The format of a Business Plan explained, is as following:

.General Information	5. Plant and Machinery	9. Raw Material	13. Working Capital
2. Promoter	6. Production Process	10. Manpower	14. Funds Required
3. Location	7. Utilities	11. Products	15. Costsand Profits
4. Land and Building	8. Transport and Communication	12. Market	16. Break-Even Analysis

6.7. Practice and Presentation:

The concept and importance of presentation has been told to the participants and described that the format of a business plan depends on its presentation context. It is common for businesses, especially start-ups, to have three or four formats for the same business plan. After the basic explanation participants were asked to prepare Business Plan of one most suitable project. Initially participants were asked to prepare individual plan and later for group venture. All the participants have made their presentations.

In the practice session trainee faculties have facilitated students to select one project out of many projects identified by the students and explained the framework of Business Plan to

the students in groups of 4students. In the last session students and Faculty (participant) have presented their business plan and remaining participants along with the experts and resource persons played the role of investors/ bankers.

The session went on very live and fruitful as different dimensions were discussed and clarified.

Institute of Entrepreneurship Development, U.P, Lucknow
(Dept. of Micro, Small & Medium Enterprises, Govt. of U.P)
Exploring Self and Personal Effectiveness
For V.B.S Purvanchal University, Jaunpur
Duration: 26/10/2017 to 28/10/2017
Feed Back

Parameters	Excellent 5 (%)	Very Good 4(%)	Good 3(%)	Fair 2(%)	Poor 1(%)
Design of the Program	37%	40%	14%	3%	0%
Methodology of the Program	23%	57%	20%	0%	0%
Applicability of the program (Since students are the end recipient in the further phase of these activities)	37%	34%	26%	0%	0%
Expectation Full Filled.	a. 100% - 40% b. 75% - 46% c. 50% - 0%				

Conclusion:

On basisof the feedback given by the students and observation of the trainers it can be concluded that:

- The students during this program could gain the confidence to speak in front of people .

- Different exercises facilitate them to body language and gain self-confidence.

- They learnt to work as a Team. Understood the importance of being a team player for an entrepreneur.

- Students could realize their strengths and areas of Improvement during this program.

Faculty Development Programme on Business Opportunity Guidance and Project Preparation
For V.B.S Purvanchal University, Jaunpur
Duration: 25/10/2017 to 27/10/2017
Venue: V.B.S Purvanchal University, Jaunpur

Feed Back Form

Improvement of any initiative is constant endeavor at IEDUP. We firmly believe in improving all are initiatives and hence your feedback is very essential. Kindly fill the feedback form with your ratings and views. Please provide your score from 1 to 5:

Parameters	Excellent 5	Very Good 4	Good 3	Fair 2	Poor 1
Design of the Program	36%	17%	2%	0%	0%
Content	31%	21%	2%	0%	0%
Delivery of the Content	38%	14%	0%	2%	0%
Methodology of the Program	40%	17%	0%	0%	0%
Trainer	48%	7%	2%	0%	0%
Applicability of the Programme (Since students are the end recipient in the further phase of these activities)	21%	26%	0%	0%	0%
Expectation Full Filled.	1. 100% - 26% 2. 75% - 29% 3. 50% - 00%				

Conclusion:

The faculty participants understood what entrepreneurship is and why is it important to motivate it as a career choice. The presentations and project works helped them understood how to frame a business model, the opportunities of the businesses they had been thinking upon had local as well as global front.

IEDUP

Training Workshop on Business Opportunity Guidance and Project Preparation
For Student of V.B.S Purvanchal University, Jaunpur
(Date: 26.10.2017 to 28.10.2017)
Venue: *V.B.S Purvanchal University, Jaunpur*
Feed Back Form

Improvement of any initiative is constant endeavor at IEDUP. We firmly believe in improving all are initiatives and hence your feedback is very essential. Kindly fill the feedback form with your ratings and views. Please provide your score from 1 to 5:

Parameters	Excellent 5	Very Good 4	Good 3	Fair 2	Poor 1
Design of the Program	24%	31%	33%	0%	0%
Methodology of the Program	12%	36%	31%	5%	0%
Applicability of the programme (Since students are the end recipient in the further phase of these activities)	17%	31%	19%	7%	0%
Expectation Full Filled.	a. 100% - 17% b. 75% - 21% c. 50% - 24%				

Conclusion:

Students are the future minds of India and making them better entrepreneurs they must understand their skills and aspirations. Through the help of project work and PowerPoint presentations students were able to formulate a business plan and understand the opportunities they can get on implementing such ideas.

Program Schedule

Faculty Development Program on Business Opportunity Guidance and Project Preparation
25.10.2017 - 27.10.2016

Day /Session	Time	Theme	Topic
Zero	9.30am-10.00am		Registration and Expectation Mapping
I	10.05am-10.45am	Inaugural session	Welcome address About the Program Lighting the lamp Key Note Address Inaugural Address Vote of Thanks
	10.45am – 11.30 am	Unfreezing	Micro Lab
II	11.45 am-1.15 pm	Entrepreneurship - What and Why Business Environment	Concept and Processes
III	2.00pm – 3.30 pm	Business Opportunity Guidance	Experiential Learning
IV	3.45pm -5.15pm	Analyses of Opportunities	Interaction
Day 2			
I	10.00am–10.30am	Recap	Interaction
	10.30 am - 11.30 am	Framework of Entrepreneurial Projects	
II	11.45 am-1.15 pm	Analyses of Components	Interaction and Exercise
III, IV	2.00pm -5.15pm	Calculations	
Day 3			
I	9.00am–11.30am	Recap	Environment Scanning & Product Identification Framework of Business Plan
II-III	11.45 – 3.30pm	Practice of Guiding Students	
IV	3.45pm -4.30	Closing	Action Plan/ Feed Backs Valediction and Certificate Distributions

For Students on
Exploring Self and Personal Effectiveness
26.10.2017-28.10.2017

Day	Session	Time	Topic	Resource Person
1.	I	10.00am-10.30am	Welcome About the Program Inauguration Vote of Thanks	PI/VT
		10.30am-11.30am	Micro Lab	
	II	11.45am-1.15pm	Sharing of ambitions/goals/action	
	III&IV	02.00pm- 5.00pm	Thematic Apperception Test	
2.	I	10.00am-11.30am	Scanning Internal / External Barriers	
	II	11.45am-1.15pm	Intrapreneurs/Quest Lab	
	III	2.00pm-3.30pm	Exploring self (exercise)	
	IV	3.45pm-5.00pm	Leadership Skills	
3.	I&II	10.00am-1.15pm	Importance of Teams Becoming a part of Team Team Building	
	III	2.00pm-3.30pm	Inter-personal Communication skills	
	IV	3.45pm -4.15pm	Feed Backs(formal and informal)	
		4.15pm-5.00pm	Certificate distribution and closing	

For Students on

Business Opportunity Guidance and Project Preparation
26-28.10.2017

Day	Session	Time	Topic
1.	I	10.00am-10.30am	Welcome About the Program Inauguration Vote of Thanks
		10.30am-11.30am	Micro Lab
	II	11.45am-1.15pm	What and why Entrepreneurship Micro and Small Enterprises- Ecosystem
	III&IV	2.00pm-5.00pm	Business Opportunities Identification and Selection
2.	I &II	10.00am-1.15pm	Introduction to Project Report
	III&IV	2.00pm-5.00pm	Project selection and Analyses of components of Project Report Assignment
3.	I&II	10.00am-1.15pm	Preparation of Projects
	III	2.00pm - 3.30pm	Presentation of Projects
	IV	3.45pm -4.15pm	Feed Backs(formal and informal)
		4.15pm-5.00pm	Certificate distribution and closing

2.   Industry Visit Program through IED Dec. 26-30, 2017

Industry Visit Program Background: Institute of Entrepreneurship Development UP, have initiated the project Bharat Bhavishya in 2014. Under this Project about 1800 students are registered and IEDUP has organized 6 workshops on "Entrepreneurship As a Career Option" 10 training programs on Entrepreneurship Development for students and 5 Faculty Development Programs. During the interaction with students and Faculty the focus of discussion has been on giving the exposure of industries to the students so that they can develop an understanding on different processes and various requirements, challenges of an industries as well as opportunities for themselves. Therefore Institute planed these visits in consultation with Prof. B.B. Tiwari , Dean of Faculty at UNSIET, and Coordinator of TEQIP III , Purvanchal University Jaunpur.

Context: Industry exposure is one of the important factor in developing understanding on different processes of industries among students while industries seems to be reluctant in allowing students in normal course due to various technical and procedural reasons therefore Institute includes industrial visit as an important part under it's programs. During the visit students get an opportunity to observe and feel the operations and environment of an industry, interact with the industrialists and employees at the industry.

The Industrial Visits: Institute has Organized a number of Industrial visits for Students of Uma Nath Sing Engineering & Technology (Purvanchal University) Jaunpur under TEQIP Project during 26 -29 December 2017. Institute planed these visits at Sathariya Industrial Development Authority Jaunpur with the local support District Industries Center Jaunpur, and Sathariya Industrial Development Authority Jaunpur.

Component of Industry Visit:

Entry Behaviour Test: To assess the basic understanding of industries among students.

Orientation Session: To provide basic understanding and framework of quarries to the students. Visit of 3-4 Industries and interaction with entrepreneur.

Feed Back: To reinforce and recap the learning and understanding during the visit , feedback from the students are included. Each of the visits started with Entry behaviour test and orientation and concluded with feedback from the institute.

Dates and Participants:

Date	No. Of Participant	Department
26.12.2017	36	Mechanical
27.12.2017	38	Electrical
28.12.2017	26	Computer Science
29.12.2017	40	Electronics & IT

Resource Persons: Eminent Faculties form the apex institutes in their fields were called for the sessions.

- Dr. Maan Singh Rathore, IEDUP Lucknow.
- Mr. R.B. Mishra, IEDUP Lucknow.
- Mr.SaurabhKhare, IEDUP Lucknow.
- Mr. Saheb Saran Rawat, Asst. Com. DIC Jaunpur
- Mr. Jagat Narayan, STO DIC Jaunpur.
- Mr. Rajesh Bharti,AM DIC Jaunpur.
- Mr. S.R.V Das, Manager SIDA Jaunpur

Faculty from UNSIET:

- Mr. Pramod, Mechanical Engineering
- Mr. Mohammad Rehan, Mechenical Engineering
- Mr. Gulab Chandra Yadav, Electrical Engineering
- Mr.VijayBhagwan, Electrical Engineering
- Mr. Prashant Yadav, Computer Science
- Mr. Dileep Yadav, Computer science
- Mr. Tushar Shrivastava, Electronics Engineering
- Mr. Ashok Yadav, Information Technology
- Mr.Anil Maurya, Project Officer, TEQIP III

Industries Visited:

- PCI (Pest Control of India), Jaunpur
- Colour Chromes Private Limited, Jaunpur
- Maurya wire netting Limited, Jaunpur
- Abhinav Still & Power Plant, Jaunpur
- Hi Rich R.O Plant, Jaunpur
- HIL (Haidrabad Industry Limited) Jaunpur

PCI (Pest Control of India)

Pest control of India Was established in the year 1954 and is the first and largest pest management company in India. PCI offers a comprehensive range of Professional Pest Management Services and Quality Products and Equipments. PCI offers different Pets managed as like- Cockroaches, Termites, Bed Bugs, Birds, Rats, Mosquites, Wood Borders, and Bees etc.

Colour Chromes Private Limited

At Colour Chromes Pvt. Ltd. quality is of utmost importance. They are an ISO 9001:2000 with 4 decades of manufacturing experience. All raw materials and finished goods are tested for these chemicals compositions in accordance with I.S. standards. The industry started with Rupees 150 Crore and has 50 employees presently. Batch samples and log records are

maintained for future reference. Periodically samples are also sent to Government & private labs for analysis. Their products are appreciated by clients and approved by Quality checking teams. They try and provide best possible service from the time of order placement to delivery, irrespective of quantities involved.

Maurya wire netting Limited

A Jaunpur, Uttar Pradesh (India) based enterprise, Maurya Wire Netting Works, is manufacturer of wide ranges of still wire nets and other industrial products for their customers. This company is operating under the guidance of our qualified proprietor Mr. Ram Ganesh Mourya; he has immense technical knowledge and marketing expertise of vertical. It was his impressive decision to introduce new advanced net wiring in their range back in 1990, after that their business have a exceptional success in the market.

Abhinav Steels & Power Plant

Abhinav Steels And Power Limited is a Public incorporated on 05 October 1987. It is classified as Non-govt Company and is registered at Registrar of Companies, Delhi. It is managed 60 megawatt. Electric power plant project. Plant was started Rupees 300 crore and 500 workers work in the plant. Most of the power use in our still plant and then supply the government.

Hi Rich R.O Plant

Hi-Rich R.O Plant is situated in SathariaJaunpur. It was started with Rupees 75 lakh. It is leading Wholesaler of Mineral Water Plant products. Its' water brand name is "Fresher". These products are made by good quality raw materials. They hold immense pleasure in introducing themselves as one of the prominent manufacturers, suppliers and exporters of high quality Mineral Water Plant. Sourced from the trusted vendors, they are using their manufacture bottles. Stringent quality control is maintained in the entire Wholesaler process to ensure end product meets with international quality norms. Its water plant is commonly used in various residential and commercial building for providing pure irrigation water.

HIL (Haidrabad Industry Limited)

Founded in 1946 with an agenda of supporting development and providing shelter to every Indian, HIL is today a leader in the domestic fibre cement industry and owner of the iconic brand Charminar. HIL is committed to building a strong and prosperous nation. For a firm that is as old as India, the seeds for serving society were shown in the DNA of the organization from its inception. HIL's commitment to be a truly green organisation is demonstrated by their green products, and two CDM (Clean Development Mechanism) projects earning carbon credits (CERs), which have been registered with the United Nations Framework Convention on Climate Change (UNFCCC). One of our projects entitles us to about 35,000-40,000 CER's per annum and the other about 11,000-12,000 CERs.

First Day- 26.12.2017

Entry Behaviour Test was conducted by Mr. Saurabh Khare. Orientation done by Dr. Maan Singh. Batch of 36 students from mechanical engineering was on industrial visit. The students visited Pest Control of India (PCI), Colour Chrome Chemical Limited and Maurya Wire Netting Limited. Students applied the all safety things as Helmet, Mask and Shoes etc. It was guided by safety officer of Pest Control of India? They discussed the issues of production, Management & Government supports for Industries.

Second Day- 27.12.2017

38 students batch of Electrical Engineering, visited a heavy unit Abhinav power Plant in Satharia aria where students were excited and happy for this unit because our same field as electrical engineering field. After the Visiting power Plant they saw Hi-Rich RO Plant and the process of RO water Purification, bottling, packaging and Marketing etc.

Third Day- 28.12.2017

26 students batch of Computer Science, have visited one of the best plant Birla group- HIL satharia. This unit was excellent running and fully automated plant. Mr. Rajesh Singh (Head HR) guided the plant protocol and aware the history of HIL satharia. Next visited to Pest

Control of India and Maurya Wire Netting Ltd where students discussed the Production & Management process of Plant.

Fourth Day- 29.12.2017

40 students batch of Electronics & Information Technology, visited the HIL Satharia and Abhinav Power Plant. They also discussed the process of production, management, financial and marketing of both plants.

Important Learning

- ➢ Management of the Industries.
- ➢ Profit & Cost of Establishment.
- ➢ Bottle Manufacturing Process.
- ➢ Function of RO & all filters.
- ➢ Power generation through use of water & coal.
- ➢ Government Support for the industries.

Observation

Generally, the students were having very limited exposure of manufacture unit. They have seen many units from outside only hence the students were very excited for exposure/Industrial visits. Students were benefited in all process of the industries. A visit seems to be very informative and gives good learning experience.

Suggestions by the students

- ➢ Make green environment.
- ➢ The system and machinery level should be upgraded.
- ➢ Visit to the industries more related with the branch of studies.
- ➢ Industries should recycle the waste product and utilize the resource in most efficient and profitable way.
- ➢ Industrial tour should be more specific according to student field of education.
- ➢ Two or more such type of visits should be organised by the Institute.
- ➢ Reduce noise pollution with use of machine.
- ➢ Making a camp in rural areas for giving information about stabilisation of small industries.
- ➢ Next time best industries to be visited

➢ This trip was very good. University must take students for another trip.

Analyses:

Entry Behaviour

Parameters	Good	Satisfactory	Inadequate
What do you know about- ➢ Infrastructure required for the Industries.	5%	42%	53%
➢ Major Challenges of an Industry.	14%	43%	37%

* No of Students 140

Feedback of the participants

The feedback of the participants is as follows:-

Parameters	Good		Satisfactory		Inadequate	
Infrastructure of the Industry Govt./Pvt.	47%		24%		23%	
Issues Faces by Industries	25%		47%		20%	
Opportunities Identified for Self	Yes			No		
	75%			18%		
Query which remained unanswered	23%			70%		
Solution	Significance		General		Nil	
	24%		55%		22%	
how do you feel about visit	Excellent	Very Good		Good	Poor	
	11%	45%		36%	0%	

* No of Students 140

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3.   **Orientation on Start Up and Entrepreneurship for Engineering students**

March 21-23,2018

Students of Engineering have potential to bring change in the socio economic conditions of the community and any area, once their vision, mission and energies are directed towards being enterprising and explore the unexplored opportunities. With this view Institute conducts special orientation programs for the students on entrepreneurship as a career opportunity, being enterprising and entrepreneur, Start ups processes and environment, support systems and challenges etc.

Focus: Institute believes that socio economic changes are possible once youth of the society is ready to change from within and accept the challenges posed by the environment, therefore Institute focuses on facilitating youth / students to understand their strengths , shape their aspirations and impart them the exposure, information and mentoring towards entrepreneurial career.

Module:
- ❖ Why and what is Entrepreneurship
- ❖ Entrepreneurial Aspirations
- ❖ Start ups / Enterprise Promotion– opportunities, processes and ecosystem
- ❖ Prospects and Challenges
- ❖ Innovations and Product development
- ❖ Being Professional and Business Planner

Resource Persons:
- ➢ Experts from the Institute of Entrepreneurship Development UP,
- ➢ Representatives of Support Organizations,
- ➢ Entrepreneurs and Industrialists.

4. Faculty Development Program 17-21, December, 2018

Institute of Entrepreneurship Development UP is the authorized agency to design, coordinate and execute training modules for different Departments and organizations (MSME Policy of UP 2017). In this role, Institute visualizes that *"every youth should have the courage to explore entrepreneurial opportunities "* and plans different activities for students and faculties of academic institutions.

In the present scenario, when entrepreneurship development is the national priority, IEDUP observes a huge requirement of trained faculty and trainers to motivate and sensitize students as well as guide them for becoming enterprising. With this in view Institute organized Faculty

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Development Programs in Lucknow. The major Objective of the FDP was to develop an understanding of the applied part of entrepreneurship development and entrepreneurial motivation.

The five-day program offered sessions from national level experts with a wide scope of practical learning. Prof. B Btiwari was the Chief Guest for the inaugural session. We have nominated three faculties from our institute for this program:

1. Prof. B B Tiwari (Chief Guest)
2. Mr. Deepak Kumar Singh (Participant)
3. Dr. Md. Aneesh (Participant)

Thematic Areas:

- Entrepreneurial Motivation Training
- Business Opportunity Guidance and Project Report Preparation
- Industrial exposure
- Coordination of Placement / Entrepreneurship/Incubation Cell

Post Programme Benefits: Empanelment with the Institute for contributing in Entrepreneurship Development initiatives in UP and other states.

5. Centralized EDP for Engineering students at Lucknow on 26-28.08.2019.

- SPIUUP supported the "Centralized Training on Startup and Enterprise" for the students at the Institute of Entrepreneurship Development, UP, Lucknow under TEQIP-III
- IED organized "Centralized Training on Startup and Enterprise" during 26-28.08.2019.
- We nominated16 students for this training along-with one faculty/mentor.

6. Orientation workshop on Entrepreneurship on February 1, 2019

The orientation workshop on Entrepreneurship as a career option for students was organised on Feb, 1,2019 at the college premises. 1st year and 2nd year students participated in the workshop. Various industrial experts interacted with the students

Day /Session	Time	Topic	Resource Person
Day1			
I	01.30am - 02.00am	Inauguration and About the Program	
	02.00am- 02.15am	Registration	Mr. Saurabh Khare, IEDUP
II	02.15am- 03.15pm	Entrepreneurship as a Career option	Mr. Sanjay Rastogi, Management Consultant,
II	03.15am- 03.30pm	Eco system of MSME and Opportunities for Entrepreneurial venture	Mr. Gaurav Khare, Trainer
III	3.30pm-4.30pm	Panel Discussion	Dy Commissioner, Industries/ Industrialist
V	04.30pm- 05.00pm	Valediction	

7. Workshop on Innovation, Entrepreneurship & Industry Interaction, 30.09.2018-01.10.2018

Name: workshop on Innovation, Entrepreneurship & Industry Interaction

Date: 30.09.2018-01.10.2018

Objective: Orienting Students on Innovations, IPR and MSME Promotion.

Module:

- Innovation -What, Why and How
- Feasibility Assessment of an Idea for Innovation and Commercialization
- Initiating entrepreneurial venture
- Eco system of Entrepreneurship
- MSME Schemes
- Industry Interaction

Our students were sent to the same.

8. Induction Program For 1st year students, 4 September, 2019

Mrs. Vibha Tripathi, Associate Faculty Member, Institute of Entrepreneurship Development UP and Dr. Anubha Singh, Consultant interacted with 1st year students in their induction program.

Start-up

Name of Start-up Cell: Chanakya, Working towards Innovation

Start-up Cell Coordinator Name & Contact Details:

Team Members	Designation	Stream/Discipline	Email	Contact
Dr. Saurabh Pal	Associate Professor	Computer Science	drsaurabhpal@yahoo.co.in	9044487708

Vision/Goal of Start-up Cell:

Creating a vibrant and dynamic Startup Ecosystem in Technical Institutions by playing a role of pre-incubator to promote, facilitate support system to innovative and entrepreneurial students and faculties to convert their innovative ideas/problems to tech-solution with a feasible business model stage.

Role of Pre-Incubator is to connect various student clubs (Idea clubs, Innovation Clubs, Start-up Clubs) to come up with tech solutions for the problems from Industry, Society, and Market to generate Ideas/Proof of Concepts (PoCs) and helping them to get converted to Prototypes and mentor them to develop business models ready. Therefore, creating a strong pipeline of quality and quantity tech based potential start-ups for incubators industry to take further.

Objective of Start-up Cell:

1. To Develop a Critical Mass of Motivated Students & Faculties with Entrepreneurial Orientation & Skill.

2. To Build Infrastructure Support for Innovation &Early Stage Enterprise development and Enabling Access to Resource & Facilities at Institute.

3. To Enhance In-House Competency Development to Serve Potential and Early Stage Entrepreneurs and Student Innovators at the Institute.

4. To Strengthen the Inter Department and Inter-Institutional linkage, Incubators and Other Ecosystem Enablers at Different Levels.

About Start-up Cell and Current Status:

The basic idea behind the start up cell is to work towards innovation, development or improvement of ideas of our students. We focus on the understanding of the principles of start up and entrepreneurship development for the students and faculty towards their ideas into a real picture. Currently we have organised various motivational talks for students and faculties to enhance the capability of idea generation.

Activities

1. IED, Lucknow a State Government organization was invited to deliver lecture series/ workshiop with the students as well as teachers on Entrepreneurship. Project plan including viability, feasibility and financial aspects of projects were analyzed. Date: 25.09.17 to 28.09.17

2. IED, Lucknow delivered on Start up Orientation second time in which they identified the interests of and problems with new start ups and gave input on project formulation. Date: 19.03.18 to 20.03.18.

3. NxG Ventures, Ahmedabad motivated our students for new start ups by presenting various case studies of Universities/ industries. It enhanced the creativity of our students. This infused team work spirit for new ventures.

   - Mr. Kahini Seth (Entrepreneurship orientation Program) dated 23.12.17 to 24.12.17
   - Mr. Ashish Kanaujia (Entrepreneurship orientation Program) dated 23.12.17 to 24.12.17
   - Mr. Ankit Macchar (Start-up activity program) dated 23.12.17 to 24.12.17
   - Mr. Sunil Gangwar(Start-up activity program) dated 10.12.17 to 12.12.17

4. In the program with IED, new entrepreneurs from Incubation Centre of IIT BHU (03 numbers) interacted with students and it was well taken by them. One of our students Mr. Roop Shanker Mishra has started his own Digital Marketing Venture and is performing satisfactory. Date: 22.03.18 to 23.03.2018.

Skill Development Centre

Veer Bahadur Singh Purvanchal University being located in the rural region of Purvanchal has a direct connection with the Villages. It has a planed to impart the skill of youth from the locally and the surrounding areas. Its objective is to enable the young people entering the work force with necessary skills to find employment and get self-employed through vocational/ Job oriented training. Towards this end Faculty members of University conducted a survey in the area during Dec. 2018 – Jan. 2019.

The survey identified Skilling in the followingTrends:

1. Electrician
2. Computer
3. Mechanical
4. Tailoring
5. Beautician

Batches of 30 trainee are taken for a time subsequently and MOU's was signed between the University and Mumbai based DEZA View Skill, Learning & Training System Pvt. Ltd.. Senior Faculty member Dr. RajKumar coordinates the conduct of program. Mr. Sheel Nidhi Singh an engineering graduate from the university, Volunteers as student coordinators. The response of the centre is very encouraging. We plane to connect the centre activity with Prime Mininister's Skill Development initiative in the Country.

A very beautiful Skill Training Centre building has come up in the campus. The Building was inaugurated on dated 31 May, 2019 by Prof. Narendra Kumar Singh Gond. In the auspicious presence of Hon'ble Vice Chancellor

Prof. Raja Ram Yadav and Prof RKP Singh, Vice Chancellor DSMNR University Lucknow &BoG member ofUNSIET. The financial support to the centre has been initially provided by TEQIP-III.

Faculty Development Programs & Workshops Organised by Departments

All the leading core Engineering Departments organised FDPs/Workshops one each. Electronics Engineering Departments organised FDP on "Recent Trends in Communication & Photonics" during July 08-12, 2019. Computer Science & Engineering Department organised FDP on "Cryptography and Cyber Security" during September 13-18, 2019. Mechanical Engineering Department organised FDP on "Recent Advances in Mechanical Engineering" during November 06-10, 2019 & Electrical Engineering Department organised interactive Workshop on "Research Methodology and Ethical Issues in Research" during September 06-07, 2019.

The detailed report of the activity is given below program wise.

Faculty Development Program (FDP)
On
RECENT ADVANCES IN COMMUNICATION & PHOTONICS

Faculty Development Program (FDP) on **RECENT ADVANCES IN COMMUNICATION & PHOTONICS** was organized from **July 08, 2019 to July 12, 2019.** The two participating Departments were the Department of Electronics Engineering, Uma Nath Singh Institute of Engineering & Technology, Veer Bahadur Singh Purvanchal University, Jaunpur and P E S College of Engineering Mandya. The main objective of this program is to make the participants aware of the recent developments in photonics and nanotechnology so that they can update their knowledge in this area and explore for further research. It was also expected that as the participants are all faculties of different educational institutions, the knowledge gained will be shared and further passed on to the students. The FDP was attended by 54 participants from faculty members of ECE, EE, CS, IT, Physics, Mathematics, Chemistry department of different colleges.

REGISTRATION & INAUGURATION SESSION:
The registration started at 9.00 am and the participants were provided with the FDP kit.The esteemed guests present in the occasion of inauguration were:

- Prof. BB Tiwari, HOD & TEQIP Co-ordinator, UNSIET, VBSPU Jaunpur
- Dr. P.C Srikanth, Professor, MCE Secretary IEEE Photonic Society.

- Dr Vipul Rastogi, IIT, Roorkee.
- Prof. Ajay Shankar- GJUS&T Hisar.
- Prof. Devendra Mohan - GJUS&T Hisar.
- Dr. Raj Kumar, Advanced Photonics Division, CSIO Chandigarh.

- Dr. T. Srinivas Dept of ECE, Applied Photonic lab IISc, Bangalore.
- Dr. Gopal Hegde, Nanotechnology, IISc, Bangalore.
- Dr. P C Srikanth, MCE, Hassan.
- Dr. D.N Nagalaxmi, Transfusion medicine, Hassan Institute of Medical Sciences.
- Mr. Ravi Prakash, UNSIET, VBSPU Jaunpur.
- All the faculty members of UNSIET, Co-ordinators, Organizing Team and other institute members.

Mrs. Jyoti Prashant Singh, Asst. Professor, UNSIET, VBSPU on behalf of the Co-ordinators of the event hosted the inauguration programme starting with a brief introduction of the programme and highlighting TEQIP for sponsoring such type of programme. Prof. BB Tiwari, HOD of Electronics Engineering welcomed all the respected dignitaries and participants and explained the importance of photonics in engineering and basic sciences.Prof. A.K Srivastava, Dean, UNSIET appreciated the program organized by Electronics Engineering department in his speech. Mr. Ravi Prakash, Assistant Professor, EC dept, UNSIET emphasized the benefits of such kind of resourceful activity and also encouraged this kind of twinning activity.

TECHNICAL SESSIONS:

DAY 01: July-08, 2019: Session I

The keynote address was delivered by Dr. Vipul Rastogi, Professor, Department ofElectronics and Communication Engineering, IIT, Roorkee. In his talk he spoke on the Fiber optics and the participants learnt about the working and use of these optical circuits. He also dealt on the concept of MOEMs (Micro-opto Electro Mechanical Systems) in his talk.

DAY 01: July-08, 2019: Session II
The next technical session was also conducted by Prof Ajai Shaker. In this session he went into the depth of the concepts and explained Optical Metrology.

DAY 01: July-08, 2019: Session III
Dr. Vipul Rastogi, Professor, Department of Electronics and Communication Engineering, IIT, Roorkee conducted an interactive session in which he delivered a talk on Fiber optics components and devices. In this session, the participants learnt about different Fiber optics components and devices and its applications.

DAY 02: July 9,2019: Session I
Dr. Ajay Shanker, Professor, GJUS&T Hisar also conducted the first session of the second day. In this session he went into the details of the Optical Metrology. The participants interacted with him and they were enthusiastic about the knowledge they had received.

DAY 02: July 9,2019: Session II
Dr. T. Srinivas continued for the 2nd day with his session where he went into the finer details of the subject Photonics Integrated Circuits. The participants learnt about various integrated circuits in this session.

DAY 02: July 9, 2019:Session III
Dr. Gopal Hegde, Professor, Nanotechnology, IISc, Bangalore conducted the next session of the day. He delivered his lecture on Micro nano fabrication techniques for photonics devices in this session. In this session he went from the basics of Micro nano fabrication techniques for photonics devices. The participants learnt what are Micro nano fabrication techniques and its various applications in this session.

DAY 02: July 9,2019: Session IV
Dr. T. Srinivas delivered his session on the Micro-opto electrical mechanical systems. The participants understood the concept of application of Micro-opto electrical mechanical systems through his talk.

DAY 03: July 10, 2019: Session I

Dr. Gopal Hegde, Nanotechnology, IISc, Bangalore started his session with Introduction to nano photonics. The participants learnt the working phenomena and applications of nano photonics in this session.

DAY 03: July 10, 2019: Session II
Dr. D.N. Nagalaxmi delivered her session on the topic of Nanobiosensors and Nanomedicine: nano technology in medicine. The participants understood the concept of application of nanotechnology in healthcare sector through her talk.

DAY 03: July 10, 2019:Session III
Dr. Gopal Hegde, Professor, Nanotechnology, IISc, Bangalore conducted the next session where he delivered his talk on Biophotonics and Applications. This talk provided a food for thought on the application of Biophotonics Applications and its advantages and limitations for the participants.

DAY 03: July 10, 2019: Session IV
Dr. P.C Srikanth, Professor, Secretary IEEE Photonics Society, India Chapter and also Professor,Department of Electronics and Communication Engineering, Malnad College of Engineering,Hassan delivered an interactive lecture session on Photonic bandgap sensors. The participants learnt in detail the basics of Photonic bandgap sensors and its applications.
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DAY 04: July 11, 2019:Session I
The day started with Dr. P.C Srikanth's sequel to his first session the previous day where he talked on Survival optical networks. In this session the participants learnt the application of optical networks and also the components needed in such cases.

DAY 04: July 11, 2019:Session II
Dr. Devendra Mohan, GJUS&T Hisar delivered an interactive session on Non Linear optics. The participants learnt the application of Non Linear optics in various fields of research in this session.

DAY 04: July 11, 2019:Session III
Dr. Rajkumar, Scientist, Advanced Photonics Division, CSIO Chandigarh delivered his talk onDigital holography and dynamic holographic 3D displays. The participants got an insight on the state of research going on in this field.

DAY 04: July 11, 2019:Session IV
Dr. D.N. Nagalaxmi, HoD, Blood Bank, Hassan Institute of Medical Science delivered an interactive session on Nanomedicine. The participants learnt the role and applications of Nanomedicine in medical field in this session.

DAY 05: July 12, 2019: Session I
Dr. Rajkumar, Scientist, CISO, Chandigarh, conducted his second session in the morning of the fifth day. Hecontinued his lecture on Principles and applications of holography. He went into finer details on the concepts used by his research group in this session. The participants learnt how to use the concepts of holography in research.

DAY 05: July 12, 2019: Session II
The second session was conducted by Dr. Devendra Mohan. He delivered an interactive lecture on Nonlinearity in fiber optics. The participants learnt about the applications of Nonlinearity in fiber optics in his talk.

VALEDICTORY SESSION AND CERTIFICATE DISTRIBUTION:

The valedictory session started after lunch. The honorary personalities present Prof. BB Tiwari, Coordinator, TEQIP-III, UNSIET, VBSPU Jaunpur, Prof. P.C. Srikanth, Secretary IEEE, Photonics Society, Dr. Devendra Mohan and Dr. Rajkumar, Scientist, CISO, Chandigarh. All the members of the organizing team were also present at the event. It started with the brief summing up of the entire event by Mr. Ravi Prakash and Mrs. Jyoti Prashant Singh. The HoD of the Department of Electronics Engg, Prof. BB Tiwari, and Prof. A.K Srivastava, Dean, UNSIET appreciated the effort of the organizing team in managing the FDP so well. The participants also appreciated the topics and speakers of the program. The vote of thanks was given by Mr. Ravi Prakash, Assistant Professor, Department of EC, UNSIET, VBSPU, Jaunpur. The session ended with the distribution of participation certificate and tea.

GLIMPSE IN MEDIA:

नैनोफोटोनिक्स से उद्योग में आएगी क्रांति : कृष्णन

जौनपुर | वरिष्ठ संवाददाता

भारतीय विज्ञान संस्थान बेंगलुरु के प्रख्यात प्रोफेसर गोपाल कृष्णन हेगड़े ने कहा कि नैनो फोटोनिक्स के माध्यम से नई डिवाइस बनेगी जिसकी कार्यक्षमता और दक्षता अधिक होगी। इससे नए सोलर सेल बनाये जा सकते है। उन्होंने नैनो टेक्नोलाजी के द्वारा उद्योगों में आने वाली क्रांति के तरफ इशारा भी किया।

वीर बहादुर सिंह पूर्वांचल विश्वविद्यालय परिसर के उमानाथ सिंह इंजीनियरिंग संस्थान में मंगलवार को फैकेल्टी डेवलपमेंट प्रोग्राम में विशेषज्ञों ने विभिन्न विषयों पर व्याख्यान दिया। संस्थान के विश्वेश्वरैया सभागार में फैकेल्टी डेवलपमेंट प्रोग्राम दूसरे दिन भारतीय विज्ञान संस्थान बेंगलुरु के प्रोफेसर डा. टी श्रीनिवास ने फोटोनिक्स इंटीग्रेटेड सर्किट पर विचार व्यक्त किये। उन्होंने कहा कि माइक्रो इलेक्ट्रो मैकेनिकल सिस्टम से आने वाले दिनों में

पूर्वांचल विश्वविद्यालय में प्रो. टी श्री निवास व्याख्यान देते। • हिन्दुस्तान

ओद्योगिक क्रांति ला सकेगें।गुरु जम्भेश्वर विज्ञान एवं तकनीकी विश्वविद्यालय हिसार के इन्जीनियरिंग के प्रोफेसर डा.अजय शंकर ने कहा कि माइक्रो मशीनिंग एवं अन्य सेंसर अनुप्रयोगों में मैट्रोलोजी उपयुक्त है।

टेकिप समन्वयक प्रो. बीबी तिवारी अतिथियों का स्वागत किया। कार्यक्रम में संयोजक डा. रवि प्रकाश एवं ज्योति सिंह, डा. रजनीश भास्कर, डा. शैलेश प्रजापति, प्रबीण सिंह, पारुल त्रिवेदी, अजय कुमार मौर्याउपस्थित रहे।

बायोसेंसर तकनीक से पता चलेंगे असाध्य रोग

कार्यक्रम

जौनपुर | वरिष्ठ संवाददाता

चिकित्सा विज्ञान संस्थान कोड्राग कर्नाटक के ट्रांस्मुशन चिकित्सा विभाग की प्रमुख प्रो डॉएस लक्ष्मी ने बायोसेंसर विषय पर व्याख्यान देते हुए कहा कि नैनोटेक्नालाजी बायोसेंसर के क्षेत्र में क्रांति लाई है। इससे कैंसर व अन्य असाध्य रोगों का पता अतिशीघ्र लग जाता है।

वीर बहादुर सिंह पूर्वांचल विश्वविद्यालयपरिसर के उमानाथ सिंह इंजीनियरिंग संस्थान में बुधवार को

फैकेल्टी डेवलपमेंट प्रोग्राम में प्रो. लक्ष्मी ने रोगों के इलाज के क्षेत्र में फोटोनिक्स की महत्ता पर प्रकाश डाला। कहा कि मानव की नाक जिन पदार्थों की महक का पता नहीं लगा सकती ऐसे पदार्थों की गंध का पता नैनो आधारित बायोसेंसर द्वारा निर्मित कृत्रिम नासिका द्वारा आसानी से किया जा सकता है। उन्होंने डीएनए आधारित पीजो इलेक्ट्रिक बायोसेंसर पर अपनी बात रखी।

इसी क्रम में भारतीय विज्ञान संस्थान बेंगलुरु के प्रोफेसर गोपाल कृष्ण हेगड़े ने फोटोनिक्स उपकरणों के निर्माण की प्रक्रिया प्रकाश डाला।

इसी क्रम में हासन कर्नाटक के मलनाड इंजीनियरिंग कालेज के प्रो

श्रीकांत ने फोटोनिक्स बैंडगैप सेंसर विषय पर चर्चा की।

उन्होंने कहा कि विभिन्न नैनोस्ट्क्चर का उपयोग कर संचार के अत्याधुनिक उपकरण एवं अंतरिक्ष सुपर केप्युटर तथा सोलर पैनल बनाये जा सकेंगे। टेकिप समन्वयक प्रो बीबी तिवारी अतिथियों का परिचय एवं स्वागत किया।

कार्यक्रम में प्रमुख रुप से संयोजक डा. रवि प्रकाश एवं ज्योति सिंह, डा. रजनीश भास्कर, प्रबीण सिंह, सत्यम उपाध्याय, कृष्ना यादव, प्रीती शर्मा, बीसे यादव, घूनम सेनकर, तुषार श्रीवास्तव समेत तमाम शिक्षक उपस्थित रहे।

नैनोफोटोनिक्स से बनेगी नई डिवाइस

जौनपुर। भारतीय विज्ञान संस्थान बंगलूरू के प्रो. गोपालकृष्णन हेगड़े ने कहा कि नैनोफोटोनिक्स के माध्यम से नई डिवाइस आसानी से तैयार होगी। जिसको कार्यक्षमता और दक्षता अधिक होगी। इससे नए सोलर सेल बनाए जा सकते है। उन्होंने नैनो टेक्नोलॉजी के द्वारा उद्योगों में आने वाली क्रांति को तरफ इशारा भी किया। कहा कि यह देश के विकास के लिए शुभ संकेत है।

भारतीय विज्ञान संस्थान बंगलूरू के प्रो. गोपालकृष्णन हेगड़े ने कहा कार्यक्षमता और दक्षता अधिक होगी नए सोलर सेल भी बनाए जा सकेंगे

भारतीय विज्ञान संस्थान बंगलूरू के प्रो. डॉ. टीश्रीनिवास ने फोटोनिक्स इंटीग्रेटेड सर्किट पर अपने विचार व्यक्त किए। उन्होंने कहा कि माइक्रो इलेक्ट्रो मैकेनिकल सिस्टम से आने वाले दिनों में औद्योगिक क्रांति ला सकेंगे। गुरु जम्भेश्वर विज्ञान एवं तकनीकी विश्वविद्यालय हिसार के इंजीनियरिंग के प्रो. अजय शंकर ने कहा कि माइक्रो मशीनिंग एवं अन्य सेंसर अनुप्रयोगों में मेट्रोलॉजी उपयुक्त है। समन्वयक प्रो. बौनी तिवारी ने अतिथियों का स्वागत किया।

कार्यक्रम में संयोजक डा. रवि प्रकाश एवं ज्योति सिंह, डा. रजनीश भास्कर, डा. शैलेश प्रजापति, प्रवीण सिंह, पारस त्रिवेदी, अजय कुमार मौर्या, मोहम्मद अनीस, रितेश चरबवाल, सुधीर सिंह, पूनम सेनकर, दीपक सिंह आदि उपस्थित रहे।

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Faculty Development Program (FDP)
On
Cryptography and Cyber Security

Faculty Development Program (FDP) on **Cryptography and Cyber Security** was organized at the **Department of Computer Science Engineering and Information Technology, during September 13-18, 2019.** The main objective of this program is to make the participants aware of the recent developments in Cryptography and Cyber Security so that they can update their knowledge in this area and explore for further research. It was also expected that as the participants are all faculties of different educational institutions, the knowledge gained will be shared and further passed on to the students. The FDP was attended by 80 participants from faculty members of ECE, EE, CS, IT, Physics, Mathematics, Chemistry department of different colleges.

REGISTRATION & INAUGURATION SESSION:
The registration started at 9.00 am and the participants were provided with the FDP kit.The esteemed guests present in the occasion of inauguration were:
- Prof. BB Tiwari, HOD & TEQIP Co-ordinator, UNSIET, VBSPU Jaunpur.
- Prof. Sunder Lal, Ex. VC, VBSPU Jaunpur.
- Prof. A.K. Srivastava, Dean, FOET, VBSPU.

- Dr. Sanjeev Gangwar, HOD, CSE & IT UNSIET, VBSPU Jaunpur.
- Dr. Rajneesh Bhaskar, HOD, EEDepartment UNSIET, VBSPU Jaunpur.
- Dr. RajKumar, HOD, Department of Mathematics UNSIET, VBSPU Jaunpur.
- Dr. Sandeep Singh, Mechanical Engineering, UNSIET, VBSPU Jaunpur.
- Mr. Ravi Prakash, UNSIET, VBSPU Jaunpur.
- Prof. P.K. Mishra, Professor, Dept. of Computer Application, BHU, Varanasi.
- All the faculty members of UNSIET, Co-ordinators, Organizing Team and other institute members.

Session started with lighting of lamp and "SaraswatiVandana" by students of CSE & IT. Dr. Sanjeev Gangwar, HOD of CSE & IT and Convener of FDP welcomed all the respected dignitaries and participants and explained the importance of Cyber Security in engineering and daily life. Co-Convener Mr. DileepYadav introduced the department of CSE and IT and highlighted the vision of department and also discussed the goal of this faculty development program. Prof. A.K Srivastava, Dean, UNSIET appreciated the program organized by CSE & IT department in his speech and emphasized the benefits of such kind of resourceful activity.

TECHNICAL SESSIONS:

DAY 01: September-14, 2019: Session I

The keynote address was delivered Prof. P.K. Mishra, an eminent professor of computer science from BHU started the session. Prof. Mishra started his session by introduction of HPC and highlighted the security issues in HPC. Prof. Mishra also discussed concept of distributed computing, parallel computing and grid computing. Major challenges of this area were discussed in brief. Participants of FDP discussed the research opportunity of this field. Prof. Mishra concluded his session by giving some example of recent researches that were carried out over the globe in area of HPC.

DAY 01: September-14, 2019: Session II

The next technical session was also conducted by Prof P.K. Mishra. In this session he went into the depth of the concepts and explained research area of HPC.

DAY 01: September-14, 2019: Session III

Dr. Karan Singh is working with School of Computer & Systems Sciences, Jawaharlal Nehru University, New Delhi. His primary research interests are in computer network, network security, multicast communication and wireless sensor network. After the lunch break third session of first day started and Dr. Singh explained the concept of Security very organized way. Further Dr. Singh explained concept of security goal and cryptography in details. Dr. Singh started his session from different types of techniques for attack and demonstrated the way that is used by attackers. All the participants ask many questions to Dr. Singh and he explained and give the answer of all query. Further Dr. Singh discussed Emerging Issues in Security, Cryptography Techniques, Playfair Key Matrix, Playfair Cipher, Row Transposition Ciphers and S-DES.

DAY 01: September-14, 2019: Session IV

After a tea break Session-IV was also managed by Dr. Karan Singh. In this session Multicast Security was discussed in detail. Dr. Singh gives the overview of multicast layered system, challenges of multicast communication, and solutions for multicast challenges. Further source authentication in multicast, group key management mechanism and multicast layered system with security constraints was discussed in detail. Different research scenario was discussed by Dr. Singh and also discussed many researches that are going on in the field of Multicast security.

DAY 02: September 15,2019: Session I

Prof. Sunder Lal, Ex. VC of VBSPU obtained his Ph.D. in 1974 from Meerut University, Meerut. He is eminent researcher in the field of Proximities and pairwise regular spaces. Prof. Lal started the second day of FDP with fundamental of RSA algorithm. In this session Prof. Lal explained and elaborated the process of digital signature.

DAY 02: September 15, 2019: Session II

During the session-II of this day some latest technologies of security like Signcryption, SchnorSigncryption has been discussed in detail. Along these technological points of view Prof. Lal explained how sender encrypts the message using above mentioned technologies and how receiver decrypt the message.

DAY 02: September 15, 2019: Session III

Day 2, session- III The resource person was Dr. Dinesh Singh, who is working as an Assistant professor in Department of CSE in MNNIT, Prayagraj. Area of interest of Dr. Singh is Ad-hoc Network, Network Security, Machine Learning and Internet- of- Things (IoT). Dr. Singh started the session with fundamental of IOT and discussed about M2M connectivity. In this session Dr. Singh discussed various security scenario of IOT. Different type of attacks that is possible in IOT was also discussed by Dr. Singh and some example of IOT attacks was given by Dr. Singh. Participants also discussed research opportunity in this field. Dr. Singh also discussed about some research that is going on over globe.

DAY 02: September 15, 2019: Session IV

After the tea break fourth session of this day was also continued by Dr. Dinesh Singh. In this session he discussed about Diffie-Hellman setup. Dr. Singh explained Diffie-Hellman setup in very easy language. Applicability of Diffie-Hellman setup was also discussed by Dr. Singh. Participants also ask many questions in this session and many research scenarios were discussed by Dr. Dinesh Singh.

DAY 03: September 16, 2019: Session I

Day 3, session- I. On this day the resource person Dr. Ashish Khare is present in Vishvsharaiyashabhagar and Dr. Khare discussed about AI Based Approach for Image forensics. In this session Dr. Khare give brief introduction of digital image processing. Dr. Khare also gave some example of how to extract information about image. Role of image in forensics and image forensics were discussed in detail.

DAY 03: September 16, 2019: Session II

This session was also managed by Dr. Ashish Khare. In this session research trend of image forensics was discussed. Some investigations were also discussed in this session where image forensics plays an important role.

DAY 03: September 16, 2019: Session III

Dr. Mohammed Javed, Assistant Professor, IIIT Allahabad delivered his session on the Image Processing, Pattern Recognition, Data Compression, Compressed Domain Processing and Analysis. The participants understood the concept of Pattern Recognition through his talk.

DAY 03: September 16, 2019: Session IV

The session started with Dr. Javed's sequel to his previous session the same day where he talked on role of Pattern Recognition in security. In this session the participants learnt the pattern recognition approach of cryptography and cyber security.

DAY 04: September 17, 2019: Session I

Prof. G.P. Sahoo, HoD, Law Department, BHU delivered an interactive session on digital signature & The Information Technology Act, 2000 and its (Amendment) Act, 2008. After giving a brief introduction of origin and evolution of signatures he discussed about Digital Signature Technologies. Verification of Digital Signature and technology behind it was also discussed. The participants learnt the role and applications of Digital Signature in this session.

DAY 04: September 17, 2019: Session II

Prof. G.P. Sahoo continued this session. In this session he discussed about **Legal** Recognition digital signature. Prof. Sahoo given very detailed explanation of Law and Rule that govern information technology. Different legal scenarios of current age were discussed by Prof. Sahoo. The participants learnt the Information technology act and applicability of such act in this session.

DAY 04: September 17, 2019: Session III

Dr. Rajkumar, Department of Mathematics, UNSIET, VBSPU started his session with mathematical approach of cryptography. He explained how cryptographic algorithms work and how mathematics pays important role in cryptography.

DAY 04: September 17, 2019: Session IV

Dr. Rajkumar continued the session. In this session he discussed about Group theory and application of Group theory in Cryptography. Role of mathematics in encryption and decryption was also focused by Dr. Rajkumar. Research trend in this area was also discussed by Dr. Rajkumar.

DAY 05: September 18, 2019: Session I

Dr. Anil Kumar Yadav, Controller of Examination, Chhatrapati Shahu Ji Maharaj University, Kanpur delivered his talk on Location Privacy. Privacy violations in social networks and issues related to social media security was discussed in brief. The participants got an insight on the state of research going on in this field.

DAY 05: September 18, 2019: Session II & III

Dr. Sanjeev Gangwar Convenor and Head of Department of Computer Science and Engineering and Information Technology, UNSIET, VBSPU started the lecture on "Information Security on Social Media". The basic purpose of these lectures was to make the participants aware of the precautions to be taken during social site surfing.Lectures ended with a formal discussion on various types of cyber-attacks.

VALEDICTORY SESSION AND CERTIFICATE DISTRIBUTION:

The valedictory session started after lunch. The honorary personalities present Dr. Anil Kumar Yadav, Controller of Examination, Chhatrapati Shahu Ji Maharaj University, Kanpur Dr. Rajkumar, Dr. Ravi Prakash, Dr. Noopur Goel, Dr. Sanjeev Gangwar, Convenor and All the members of the organizing team were also present at the event. It started with the brief summing up of the entire event by Mr. Prashant Kumar Yadav. The HoD of the Department of Mathematics, Dr. Rajkumar, and Resource Person Dr. Anil Kumar Yadav appreciated the effort of the organizing team in managing the FDP so well. The participants also appreciated the topics and speakers of the program. The vote of thanks was given by Mr. Dileep Kumar Yadav, Assistant Professor, Department of CSE, UNSIET, VBSPU, Jaunpur. The session ended with the distribution of participation certificate and tea.

GLIMPSE IN MEDIA:

भारत तीसरा सबसे बड़ा इंटरनेट उपयोगकर्ता

ऑनलाइन लेनदेन के लिए सुरक्षा जरूरी

जागरण संवाददाता, मल्हनी(जौनपुर) : वीर बहादुर सिंह पूर्वांचल विश्वविद्यालय के इंजीनियरिंग संस्थान के विश्वेश्वरैया सभागार में क्रिप्टोग्राफी एवं नेटवर्क सिक्योरिटी पर आधारित एक फैकल्टी डेवलपमेंट प्रोग्राम का आयोजन किया गया। जिसमें बतौर अतिथि प्रो. पीके मिश्रा ने डाटा और सूचना की सुरक्षा के बारे में बारीकी से जानकारी दी।

साइंस एवं आईटी विभागाध्यक्ष डा. संजीव गंगवार ने बताया कि उन्होंने बताया कि भारत देश दुनिया का तीसरा सबसे अधिक इंटरनेट प्रयोगकर्ता है, जहां 50 फीसदी से अधिक लोग इंटरनेट प्रयोग एवं इंटरनेट बैंकिंग तथा ऑनलाइन खरीददारी तथा रुपयों का लेनदेन कर रहे है। इसलिए नेटवर्क कि सुरक्षा बहुत ही महत्वपूर्ण पहलू है। आने वाले दिनों में अलग-अलग तकनीकी जैसे मशीन लर्निंग, इंटरनेट ऑफ़ थिंग्स जैसी सुविधाओं के माध्यम से कंप्यूटर

व नेटवर्क सुरक्षा प्रदान की जाए। डा. दिलीप यादव व इंजीनियरिंग विभाग के डीन डा.अशोक श्रीवास्तव ने छात्रों व शिक्षकों के सीखते रहने की प्रक्रिया पर बल दिया।

इस मौके पर प्रो.बीबी तिवारी, गणित विभाग के विभागाध्यक्ष डा.राजकुमार सोनी, ज्ञानेंद्र पाल, प्रशांत कुमार यादव, संतोष यादव, अशोक यादव, दीप्ति पांडेय आदि उपस्थित रहीं।

इंजीनियरिंग विभाग में नेटवर्क सुरक्षा पर कार्यक्रम का आयोजन

वर्तमान में डेटा सुरक्षा बड़ी चुनौती

जौनपुर | निज संवाददाता

पीयू के कंप्यूटर साइंस एवं सूचना प्रौद्योगिकी विभाग के सभागार में रविवार को क्रिप्टोग्राफी एवं नेटवर्क सुरक्षा विषयक साप्ताहिक कार्यशाला का आयोजन किया गया है।

जिसमें दूसरे दिन मुख्य अतिथि पूर्वविवि के पूर्व कुलपति प्रोफेसर सुन्दर लाल ने कहा कि सूचना प्रौद्योगिकी के युग में डेटा सुरक्षा सबसे बड़ी चुनौती है। एक सिरे से दूसरे सिरे तक सूचना सुरक्षित पहुचे वह महत्वपूर्ण है। उन्होंने क्रिप्टोग्राफी की विस्तृत जानकारी दी। कहा कि वूज्ञानी शासक जुलियस सीजर द्वारा निर्मित सीजर साइफर का प्रयोग आज भी नेटवर्क सुरक्षा में हो रहा है। मौजूद नेटवर्क सुरक्षा मैकेनिज्म बहुत मजबूत नहीं है।

भविष्य में आरएसए अल्गोरिथम द्वारा इसे और अधिक मजबूत और सक्रिय बनाया जा सकता है।

अगले सत्र में जवाहर लाल नेहरू विश्वविद्यालय दिल्ली के प्रोफेसर कारण सिंह ने कहा कि आज मोबाइल का प्रयोग सिर्फ बात करने के लिए नहीं वरन तमाम तरह की जानकारियों को एकत्रित और साझा करने को किया जा रहा है। सुरक्षा उपायों की जानकारी न होने के कारण परेशानी का सामना करना

पड़ता है। इसकी सुरक्षा के लिए जागरूक होने की जरूरत है। कार्यक्रम में कुल 90 प्रतिभागियों ने हिस्सा लिया। इस मौके पर डा.संजीव गंगवार, डा.सौरभ पाल, डा. कमलेश पाल, डा.दिग्विजय सिंह राठौर, ज्ञानेंद्र कुमार पाल, दिलीप, प्रशांत, अशोक, संतोष, सुनील, कृष्ण कुमार, पुनेंद्र श्रीवास्तव, रितेश, दीप्ति अन्य रहे।

पूर्वविवि में पूर्व कुलपति प्रोफेसर सुन्दर लाल लोगों को सम्बोधित करते हुए।

परीक्षा नियंत्रक ने साइबर क्राइम पर दी जानकारी

जौनपुर। पूर्वांचल विवि के इंजीनियरिंग डिपार्टमेंट के कंप्यूटर साइंस एवं सूचना प्रौद्योगिकी विभाग के विश्वश्वरैया हाल में चल रहे क्रिप्टोग्राफी एवं साइबर सिक्योरिटी सप्ताहिक-एफडीपी कार्यशाला का समापन हुआ।

कानपुर विश्वविद्यालय से आए परीक्षा नियंत्रक डा अनिल यादव ने कंप्यूटर नेटवर्क एवं एल्गोरिदम साइबर सिक्योरिटी साइबर क्राइम एवं साइबर लॉ पर व्याख्यान दिया। उन्होंने बताया कि सूचना या डाटा को मोबाइल फोन या सिस्टम या लैपटाप में रखा जाए या आदान प्रदान किया जाए। मुख्य अतिथि डा अनिल यादव को डा. दिलीप यादव एवं डा. प्रवीण श्रीवास्तव, विभागाध्यक्ष डा. संजीव गंगवार ने पुष्प गुच्छ सम्मानित किया। मौके पर डा रवि प्रकाश, डा राजकुमार सोनी आदि रहे।

पीयू में साइबर क्राइम और सुरक्षा पर की गई चर्चा

जौनपुर। वीर बहादुर सिंह पूर्वांचल विश्वविद्यालय के इंजीनियरिंग संस्थान के कंप्यूटर साइंस एवं आईटी विभाग द्वारा विश्वश्वरैय्या सभागार में बीएचयू से आए प्रोफेसर जेपी साहू ने क्रिप्टोग्राफी एंड साइबर सिक्योरिटी में नेटवर्क सुरक्षा के बारे में जानकारी दी।

संस्थान में चल रहे कार्यशाला में साइबर क्राइम टेररिज्म तथा अन्य साइबर अपराधों के बारे में संविधान में उल्लिखित विभिन्न धाराओं के बारे में गहनता से चर्चा की। जेके इंस्टीट्यूट संस्थान आशीष खरे ने इमेज प्रोसेसिंग

तथा डाटा सुरक्षा के बारे में बताया कि इमेज की गुणवत्ता बढ़ाने तथा आर्टिफिशियल इंटेलिजेंस, न्यूरल नेटवर्क में प्रयोग के लिए किस प्रकार मानव शरीर में स्थित न्यूरान को क्रियाशील करके प्रयोग किया जा सकता है। डा. राजकुमार पूर्णाक की समस्या का उपयोग ग्रुप रिंग फील्ड थ्योरी द्वारा कृषि में उपयोग करने के तरीकों की जानकारी दी। इस दौरान डा. संजीव गंगवार, डा राजकुमार सोनी, ज्ञानेंद्र पाल, डा प्रशांत यादव, संतोष यादव, पूनम श्रीवास्तव आदि रहे।

<u>**Faculty Development Program**</u>
<u>*On*</u>
<u>RECENT ADVANCES IN MECHANICAL ENGINEERING</u>

Faculty Development Program (FDP) on **RECENT ADVANCES IN MECHANICAL ENGINEERING** was organized at the **Department of Mechanical Engineering, Uma Nath Singh Institute of Engineering & Technology, Veer Bahadur Singh Purvanchal University, Jaunpur**under**TEQIP, Phase III** from **Nov.06, 2019 to Nov. 10, 2019**. The main objective of this program was to make the participants aware of the recent developments in mechanical engineering so that they can update their knowledge in this area and explore for further research. It was also expected that as the participants are faculties of different educational institutions, the knowledge gained will be shared and further passed on to the students. The FDP was attended by 75 participants.

Registration & Inauguration Session:

The registration started at 9.00 am and the participants were provided with the FDP kit.The esteemed guests and honorable persons present in the occasion of inauguration were:

- Prof. Dr. Rajaram Yadav, Vice chancellor VBSPU Jaunpur

- Prof. Dr.S. K. Singh, Chief Guest (Computer Science &Engg. department IIT, BHU),

- Prof. B.B. Tiwari,Co-ordinatorTEQIP III, UNSIET, VBSPU Jaunpur

- Prof. A.K. Srivastava (Dean, Faculty of engineering, UNSIET, VBSPU Jaunpur

- Dr. Sandip kumar Singh, Head MED, Convenor of the FDP program

- Dr. Hemant Singh, Deep Prakash Singh; Co-Convenor of the FDP program

- All the faculty members of UNSIET, Organizing Team and other University members.

Mr Himanshu Tiwari Asst., Professor MED, UNSIET, VBSPU hosted the inauguration program starting with a brief introduction of the program. On this occasion Dr. Sandeep Kumar Singh, convener of Faculty Development Program and Head of Mechanical Engineering Department

gave a welcome lecture and formally started the programand highlighting TEQIP for sponsoring such type of program. He said that the modern era is the age of computers and computer applications can easily overcome the shortcomings of mechanical devices and their quality can be increased. He also stressed the importance of more and more use of NC-CNCs and emphasized the importance of new researches in them.

Vice Chancellor of the University Prof. Dr. Rajaram Yadav said that there is no more important post than of a teacher; hence teacher's responsibility is the moral and educational growth ofstudents. A teacher is identified by the success of his students. Faculty development programs (FDPs) have proven to be successful for improving teaching skills in faculties so such FDPs should be organized regularly. Prof. B.B. Tiwari,Co-ordinatorTEQIP III, Prof. A.K Srivastava, Dean, UNSIET appreciated the program organized by Mechanical Engineering department in his speech.

Technical Sessions:

DAY 01: Nov.-06,2019: Session I

The Chief Guest, Prof. S.K. Singh, Department of Computer Science, IITBHU, delivered a lecture about the use of computer technology for mechanical fault diagnosis. He said that testing and diagnosing the mechanical behavior of mechanical devices can be done more efficiently and easily by using the modern computer based diagnosis and measuring system.

DAY 01: Nov.-06, 2019: Session II

Dr.DhirendraChaudhary,scientist Rajendra Singh (RajjuBhaiy) Institute for Physical Sciences and Research Center, VBSPU,Jaunpur emphasizes on the importance of nanomaterial for the development of new type of solar cell which is a hot topic of research in the present days. Nano material is a green energy of solar cell, which is pollution less. He said that mechanical industries can use Nanomaterials to increases mechanical efficiencies.

DAY 02: Nov.-07,2019: Session I

Prof. Dr. Sandeep Kumar, Mechanical Engineering Department IITBHU delivered a lecture on the topic "Mathematical Approach of Understanding". He said that mathematics can be used in different ways to solve problems in different fields. Our brain is like an inference engine of computer software naming prolog. Which adopts certain rules and facts and draws conclusions accordingly.only genius can make rules because they are unbiased.

DAY 02: Nov.-07,2019: Session II

Dr. Sandeep Kumar Singh, Head of Mechanical Engineering Department, Umanath Singh Institute of Engineering andTechnologyjaunpur, delivered a lecture on the topic "Machine Learning", he said that with the help of computer program changes in vibrations in mechanical bearings can be measured.Hence any deficiency can be easily estimated. So that any accident related to it can be prevented.

DAY 03: Nov.-08, 2019: Session I

Prof. HD Ram, Department of Mechanical Engineering, Kamla Nehru Institute of Technology, Sultanpur, gave his lecture on the topic "Natural Vibration" and said that the vibrations in machines and vehicles can be controlled by the use of efficient dampers using the controlled technique of amplitude, wavelength, and mass regulators, so that their working life can be increased.

DAY 03: Nov.-08, 2019: Session II

Dr. Akhilesh Kumar Chauhan, Department of Mechanical Engineering, Kamla Nehru Institute of Technology, Sultanpur delivered a lecture on the topic "Kinetics of Constraint and Robotic Mechanisms". He explained that how linear motion can be converted into rotational motion and rotational motion into linear motion, by fixing the different linkages in various manner as per requirement, hencedifferent mechanism can be obtained

DAY 04: Nov.-09, 2019:Session I

Prof. Dr. SP Tewari, Department of Mechanical Engineering IITBHU delivered his lecture on "Production Methods" and explained various manufacturing methods such as machining, casting, welding, forging. He also told about recent advancements in manufacturing science.

DAY 05: Nov.-10, 2019:Session I

Pro. Dr.K.N. Pandey, Department of Mechanical Engineering, Motilal Nehru National Institute of Technology Prayagraj, delivered a lecture on the topic "Manufacturing of Turbine Blades and Thermal Barrier Coating". He said that since turbine blades are under high temperature and pressure, hencegreat care must be taken during selecting their materials and manufacturing process. The material of the turbine blade should be corrosion resistant, having high melting point, and low density. Alloy material can be used for this.

Valedictory session and certificate distribution:

The valedictory session started after lunch. The honorary personalities as Prof. B.B. Tiwari, Coordinator, TEQIP-III, UNSIET, VBSPU Jaunpur, Pro. Dr.K.N. Pandey, Department of Mechanical Engineering, Motilal Nehru National Institute of Technology Prayagraj, Dr Pramod Yadava, Director Rajendra Singh (RajjuBhaiy) Institute for Physical Sciences and Research Center, VBSPU,Jaunpur, All the members of the organizing team were present at the event. It started with the brief summing up of the entire event by Dr. Sandip Kumar Singh, HoD of the Department of Mechanical Engg., Prof. B.B. Tiwari, appreciated the effort of the organizing team in managing the FDP so well. The participants also appreciated the topics and speakers

of the program. The vote of thanks was given by Dr.Hemant Singh, Assistant Professor, Department of ME, UNSIET, VBSPU, Jaunpur. The session ended with the distribution of participation certificate and tea.

GLIMPSE IN MEDIA:

पूविवि : निराकरण को गणित का विभिन्न ढंग से होता है उपयोग

जास. जौनपुर: पूर्वांचल विश्वविद्यालय परिसर स्थित आयोजित रीसेंट एडवांसेज इन मैकेनिकल इंजीनियरिंग विषय पर आधारित फैकेल्टी डेवलपमेंट प्रोग्रामका गुरुवार को दूसरा दिन रहा।

आयोजन उमानाथ सिंह इंस्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी के मैकेनिकल इंजीनियरिंग विभाग द्वारा किया गया। आइआइटी बीएचयू के मैकेनिकल इंजीनियरिंग विभाग के प्रो. संदीप कुमार ने मैथमेटिकल एप्रोच ऑफ अंडरस्टैंडिंग विषय पर व्याख्यान दिया। उन्होंने कहा कि अलग-अलग क्षेत्रों में समस्याओं के निराकरण के लिए गणित का विभिन्न ढंग से उपयोग

किया जा सकता है। विभागाध्यक्ष डा. संदीप कुमार सिंह ने मशीन लर्निंग के बारे में बताया। इस अवसर पर डा.हेमंत कुमार सिंह, दीप प्रकाश सिंह, शशांक दुबे, हिमांशु तिवारी, अंकुश गौरव, सुबोध कुमार, नवीन चौरसिया, मो. रेहान आदि उपस्थित रहे।

आर्टिफीशियल इंटेलिजेंसका है विश्वव्यापी प्रभाव

पूविविमें फैकल्टी डेवलपमेंट प्रोग्रामकी हुई शुरुआत

जौनपुर। वीर बहादुर सिंह पूर्वांचल विश्वविद्यालय परिसर स्थित उमानाथ सिंह इंस्टिट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी के मैकेनिकल इंजीनियरिंग विभाग द्वारा आयोजित पांच दिवसीयरीसेंट एडवांसेज इन मैकेनिकल इंजीनियरिंग विषयक फैकल्टी डेवलपमेंट प्रोग्राम की शुरुआत बुधवार को हुई।

उद्घाटन सत्र में मुख्य अतिथि आईआईटी, बीएचयू के आचार्य ड. एस के सिंह ने कहा कि आर्टिफिशियल इंटेलिजेंस और मशीन लर्निंग का विश्वव्यापी प्रभाव है। इन विधाओं की किसी भी अध्ययन शाखा के बड़े आकड़ों को विश्लेषित करने के लिए प्रयोग किया

जा सकता है। आर्युवेद विज्ञान, फाइनेंसियल एकाउंटिंग, मैकेनिकल और केमिकल इंजीनियरिंग के विश्लेषण के लिए इसका प्रयोग हो रहा है। उन्होंने यांत्रिक दोष निदान के लिए कंप्यूटर तकनीक के उपयोग के बारे में व्याख्यान दिया। कुलपति प्रो. डा. राजाराम यादव ने कहा कि शिक्षक से ज्यादा महत्वपूर्ण कोई पद नहीं होता, शिक्षक का पहला धर्म है कि विद्यार्थियों का नैतिक एवं शैक्षणिक उत्थान करें। शिक्षक की पहचान उसके विद्यार्थियों की सफलता से है। फैकल्टी डेवलपमेंट प्रोग्राम से शिक्षकों में नया दृष्टिकोण आता है जिसका लाभ विद्यार्थियों को मिलता है। आज हर क्षेत्र में नया आयाम जुड़ रहा है इस आयामों से शिक्षक को जुड़ते रहना चाहिए। फैकल्टी डेवलपमेंट प्रोग्राम के संयोजक एवं मैकेनिकल इंजीनियरिंग विभाग के

विभागाध्यक्ष डा. संदीप कुमार सिंह ने स्वागत किया। उन्होंने कहा कि आधुनिक युग कंप्यूटर का युग है और कंप्यूटर को अनुप्रयोग से बड़ी ही आसानी से यांत्रिक उपकरणों की कमियों को दूर किया जा सकता है व गुणवत्ता बढ़ायी जा सकती

है। उन्होंने इन सी, सी एन सी के अधिक से अधिक उपयोग पर जोर देते हुए इसमें होने वाले नए अनुसंधानों के महत्व को भी बताया। इसमें विभिन्न विश्वविद्यालयों के 89 शिक्षकों ने प्रतिभाग किया। इस अवसर पर प्रो. बी बी तिवारी, प्रो. ए

के श्रीवास्तव, डा. रजनीश भाष्कर, डा. अमरेंद्र सिंह, हेमंत कुमार सिंह, दीप प्रकाश सिंह, शशांक दुबे, हिमांशु तिवारी, अंकुश गौरव, सुबोध कुमार, नवीन चौरसिया, मो. रेहान आदि उपस्थित रहे।

तकनीक से बढ़ाई जा सकती है मशीनों की आयु

जागरण संवाददाता, मल्हनी (जौनपुर) : वीर बहादुर सिंह पूर्वांचल विश्वविद्यालय परिसर स्थित उमानाथ सिंह इंस्टीट्यूट आफ इंजीनियरिंग एंड टेक्नोलाजी के मैकेनिकल इंजीनियरिंग विभाग की गोष्ठी हुई। इसमें रीसेंट एडवांसेज इन मैकेनिकल इंजीनियरिंग विषय पर आधारित 'फैकल्टी डेवलपमेंट प्रोग्राम' के तीसरे दिन कमला नेहरू प्रौद्योगिकी संस्थान सुल्तानपुर के मैकेनिकल इंजीनियरिंग विभाग के प्रोफेसर डा. एचडी राम ने 'नेचुरल वाइब्रेशन' विषय पर व्याख्यान दिया।

उन्होंने कहा कि मशीनों व वाहनों में होने वाले कंपन को आयाम, तरंगदैर्घ्य व द्रव्यमान का उचित ढंग से उपयोग कर के काफी हद तक कम किया जा सकता है। जिससे उनकी जीवन आयु

पूर्वांचल विश्वविद्यालय में आयोजित डेवलपमेंट प्रोग्राम को संबोधित करते वक्ता ● जागरण

बढ़ाई जा सकती है। इसी क्रम में डा. अखिलेश कुमार चौहान ने 'कैनामेटिक्स ऑफ कॉन्स्ट्रेंड एंड रोबोटिक मैकेनिज्म' विषय पर व्याख्यान देते हुए बताया कि किस तरह से आसान तरीके से सरल गति को घूर्णन गति में व घूर्णन गति को सरल गति में परिवर्तित किया जा सकता है।

पूविवि
- डेवलपमेंट प्रोग्राम में तीसरे दिन छात्रों को किया गया प्रशिक्षित
- घूर्णन गति को सरल गति में परिवर्तित करने का बताया तरीका

मैकेनिकल इंजीनियरिंग विभाग के अध्यक्ष एवं कार्यक्रम के संयोजक डा. संदीप कुमार सिंह ने कहा कि विभिन्न विश्वविद्यालयों के विद्वान व अनुभवी शिक्षकों को व्याख्यान देने के लिए आमंत्रित किया जा रहा है।

इस अवसर पर डा. हेमंत कुमार सिंह, दीप प्रकाश सिंह, शशांक दुबे, हिमांशु तिवारी, अंकुश गौरव, सुबोध कुमार, नवीन चौरसिया, मोहम्मद रेहान आदि उपस्थित रहे।

Workshop
on
"Research Methodology and Ethical Issues in Research"

Two days workshop was organised on "Research Methodology and Ethical Issues in Research" during September 6 -7, 2019.

The *Electrical Engineering Department,* was organized a basic two days workshop on "Research Methodology and Ethical Issues in Research (RMEIR-19)" during *September*6– 7, *2019.* Prof. A.K. Srivastava, dean faculty of engineering, was the chief guest of the program and Prof. B.B. Tiwari, coordinator TEQIP-III was the patron of the program. Dr. Rajkumar, Mr. Satyam Upadhyay, MrsJyoti Singh, Mr. Praveen Singh, Dr. Amrendra Singh, Dr. Sandip Singh, Miss Jaya Shukla, Dr. Vandana Singh and other faculty were present in the opening ceremony. About 115 research scholar and faculty members were present in the workshop.

The key objective of this work shop is to enable the students:

- To formulate a research problem;
- To develop suitable Research Methods & Data Analytical Tools;
- To draw better conclusions from the analysis; and
- To write a good Research Paper.
- Guidelines on ethical issues associated in the research

Sessions were covered by the following resource persons of reputed institutions:

- Dr. (Mrs) Urmila Rani Srivastava, Associate Professor, Dept. of Psychology, Faculty of Social Sciences, BHU, Varanasi.
- Dr. Purnima Awasthi, Associate Professor, Dept. of Psychology, Faculty of Social Sciences, BHU, Varanasi.
- Dr. S.K. Sharma, Assistant Professor, department of Mining, IIT BHU, Varanasi.
- Dr. Shamini Srivastava, Assistant Professor, Dept. of Psychology, Firoz Gandhi College Raebareli.

Following Topics were covered in the workshop:

1. Data collection and representation, Types of distribution delivered by Dr. S.K. Sharma.
2. Introduction to Research Methodology, Regression & Multivariable Analysis delivered by Dr. (Mrs) Urmila Rani Srivastava
3. Data Sampling Techniques, t-test, Analysis of variance, Hypothesis testing delivered by Dr. Purnima Awasthi
4. Ethical Issues in Research delivered by Dr. Shamini Srivastava.

Dr. Urmila Rani Srivastava, an eminent scholar in the field of Research for about a decade, introduced the concept of Research to the audience with a purpose of building a strong foundation within aspiring researchers. She conveyed to them how a Systematic, Intensive, and patient study in a particular field can be directed towards scientific understanding of the concept. She discussed how a management problem evolves into a research problem. In second day session, Dr. Urmila Rani covered Regression and Multivariable analysis smartly and clarify all the doubts of the students.

As the rejuvenated learners re-assembled in the hall after a short break of high tea, the actual Brain-storm awaited them. This was the most significant of all sessions as it dealt with collection of data for the research activity .The conceptual facts related to various sampling methods were discussed with the help of relevant examples. Having gathered loads of subjective knowledge, the students were finally exposed to a simulation exercise where they came up with their own research proposals and submitted them to the moderator for her expert comments. This exercise backed with the knowledge of research related concepts

truly kindled interest of future researchers hidden amongst the first year learners. The learners came up with a plethora of questions that related to their research projects and Dr. S.K. Sharma adequately clarified their confusions.

Dr. Purnima Awasthi engaged the next session covered 'Formulation of a research problem'. The whole 'Research Process' was discussed along with its elements like Definition of the problem; Development of the approach to the problem and then formulation of a Research Design. She explained the ingredients of each research design with explicit details regarding collection of secondary data; Focus Group Discussions; Framing a Questionnaire and selection of a sample. The session gave the students an idea and provided a platform for students to be able to handle a research project. In second day session, Dr. Purnima covered data sampling techniques and related topics with examples.

Dr. Shamini Srivastava covered the ethical issues related to the research in depth. She elaborate about the citation of the papers, publication of paper and all legal information about the writing of research paper both the days with examples. She clarifies all the doubts of the students regarding research paper.

In Last, vote of thank was delivered by Dr. Santosh Kumar, Chief Proctor of the University.

Outsourced FDPs/ Workshops organized in the Institute

1. **Topic:** "**Workshop on Embedded System and Employability Enhancement**"
   Date: 22 – 23.12.2017
   Speakers:
   I.   Anand Jambholkar, Managing Director, Cybermotion Technologies Pvt. Ltd.
   II.   Pavan Sanghai

   Content:
   - Workshop on Embedded (microcontroller) Design and Development using world leading Design and Simulation tools.
   - Workshop on Solar Power plants – Design , Installation and Maintenance

- Maatraa – 100 % online program with a one to one mentor – for improving English Communication – for Enhancing Employability.
- Proteus VSM – Industry Relevant - Design , Development and Simulation of Microcontroller Controller based Circuits.
- Building Decisive Advantage in a hyper competitive Industry Environment.

Participants: Faculty members of the Institute

2. **Topic:** "**2-DAY START-UP LEADERSHIP WORKSHOP**"
   Date: 23- 24.12.2017
   Speakers:
   - I.   Kahini Seth, NxG Ventures, Ahmedabad
   - II.   Ankit Machchar, NxG Ventures, Ahmedabad
   - III.   Ashish Kanaujia, NxG Ventures, Ahmedabad

   Contents:
   - Structure and Goals of the Startup Leadership Workshop
   - A test to assess level of understanding about Entrepreneurship &Startup
   - What is Entrepreneurship?
   - How has Entrepreneurship changed the world?
   - Entrepreneurial DNA, traits and gap analysis.
   - What are E-cells? Why join an E-cell?
   - Entrepreneurial Success Stories.
   - Understanding startups: Introduction to types of startup, Your Great Idea, learning who can compete your idea and how. When to pivot your business idea to avoid failure.
   - Importance of start-up team & Role of founders: No "I" concept, Team Formation, Qualities of a founder: Recruiter, Decider, Deal maker, Strategist, Salesperson
     Understand all about the Key Functions Framework: Building Organization & Student base, Program Management, Stakeholder Engagement & Impact

   Participants: 3rd and 4th year students of the Institute

3. **Topic:** "**Workshop on OBE**"

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Date: 6-8 October 2018

Speakers:

    I.   Prof. Vikram Singh, YMCA University, Faridabad

    II.   Dr.MunishVashishath, YMCA University, Faridabad

    III.   Dr.ParulTomar, YMCA University, Faridabad

    IV.   Dr. Lalit Rai, YMCA University, Faridabad

Contents:

- Methodology and benefits of Pre qualifiers for Accreditation Process
- The process of developing the Vision & Mission of Institute /Department
- File Preparation and Document management for Self-Assessment Report (SAR)
- Developing Course Outcomes for the subjects: Examples from the different program
- Mapping of COs & POs
- Assessment and Attainment of POs: Theory Course
- Examination reforms: Mapping of question paper with CO & PO

Participants: Faculty members of the Institute

4. **Topic:** "**Intellectual Property Rights: Role & its scope for Universities including for Plagiarism Check-up Tools**"
   Date: 20.9.2018- 23.09.2018
   Speakers:

    I.   Prof. R. C. Tripathi (Ex-Dean &Incharge "IPR and Anti Plagiarism Cell, IIIT, Allahabad)

    II.   Shri A. K. Pandey(Engg. and R&D, NGB (DU), Allahabad,)

Contents:

- Different types of IPR's and their importance in advancement of Universal Knowledge and Technology.
- Patents, Basis of their Grant by Governments and the current achievement scenario of various Countries.

- How to check-up originality of inventions and obtain patents.
- Patents for business methods and software patent.
- Essence of creativity in book writings, research papers, poems, sculptures, computer software, and performing arts.
- How to obtain copyrights for above.
- Computer Software: For which one to obtain copyright or obtain patent.
- The digital era and copyrights.
- Industrial Designs vis a vis the copyrights.Plagiarism: Its types and IEEE policy for Anti Plagiarism.
- How to avoid plagiarism in research papers and Ph. D. thesis.
- Trademarks. Originality in it, how to ascertain it and obtain trademark registration.

Research Assistanship

Promotion of Research by supporting financially to the Research Scholars is one of the most important quality parameters towards imparting Quality Technical Education to the Students. TEQIP-III has provisioned granting fellowship to the Research Scholars in Engineering and allied subjects. In order that they could peruse Research Works without any problem. Under this scheme Research Scholars in the Department of Electrical Engineering, Applied Physics and Applied Mathematics have been provided suitable amount on monthly basis.

The details are given as under.

S. No.	Name of Research Scholar	Department
1	Ravi Shankar Verma	Mathematics

2	Shweta Singh	Electrical Engineering
3	Prabhat Ranjan Tiwari	Physics
4	Avaneesh Kumar	Mathematics

Research Paper Publications

Provision exists for supporting Faculty members or even Students to publish their Research findings in the form of Research paper in the Journals of Repute. Details of such support provided are given in the following table.

S. NO.	Authors Name	Paper Details	Amount(Rs.)
1	Dr. Sanjeev Gangwar	Redundancy Avoiding Algorithm in Network. International Journal of Computer Theory and Engineering, ISSN NO-1793-8201 Vol. 10, No. 3, June 2018	24865
2	Mr. Ravi Prakash	Comparative Efficacy Estimation of OIDMA System using Gaussian and Soliton Pulses for Long Haul Communication. Test Engineering and Management, Vol. 82, ISSN: 0193-4120, January-February 2020.	10800
3	Mr. Ravi Prakash	Performance Analysis Of Low Code Rate And High Constraint Length Convolutional Encoder On OIDMA System With Avalanche Photodetector. Global Journal of Engineering Science And Researches, Vol. 6(6), ISSN 2348 – 8034, June 2019.	3000
4	Mr. Ravi Prakash	Performance Estimation Of O-IDMA With Optimum Design Convolutional	1300

		Codes Using Prime Inter-Leavers. International Journal of Modern Trends in Engineering and Research (IJMTER), Volume: 5, Issue: 04, ISSN:2349– 9745, April 2018.	
5	Mr. Ravi Prakash	Impact of Multifarious Design Architectures of Convolutional Encoders on Efficiency of OIDMA at Zero Dispersion Fiber. International Journal of Engineering and Technology, Vol. 7(4), 2018.	14478
6	Mr. Hemant Kumar Singh Mr. Deep Prakash Singh & Ms. Aparna Singh Gond	Comparative advantages of Glazing and Shading Alternatives for Office building in Composite climate of India. Int. J Res. Engg., IT Soc. Sc., Vol. 09, Issue 06, June 2019.	2100
7	Dr. Saurbh Pal	Prediction of benign and malignant Breast Cancer using data mining techniques. J of algorithm. And computational Technology, Vol. 12, Issue 2, 2018.	450 USD$
8	Dr. Saurbh Pal	Chronic Kidney Disease: A Predictive model using Decision Tree. International Journal of Engineering Research and Technology, ISSN 0974-3154, vol. 11, Number 11(2018).	30000
9	Mr. Umesh Pandey, Mr. Satyam Kr. Upadhyay, Dr. R.Bhasker	Load Frequency Control of Two Area Power System Interconnected Network using NN under Varying Load Condition, International Journal of Research in Engineering, IT and Social Sciences, 2018	2500

10	Mr. Satyam Kr. Upadhyay, Dr. R.Bhasker , Mr. Gyan Chandra	Modeling and control of Permanent Magnet Synchronous Generator with LVRT Capability, International journal of Research in Engineering, IT and Social Sciences, 2018	2500
11	Anurag Singh, Vivek Kumar Jaiswal, Shekhar Yadav ,Shyam Krishna Nagar	Controlling of Non-minimum Phase System Using Harmony Search Algorithm, Springer Nature Singapore Pte Ltd., 2018	4000

International Conference

1.   Conference Report on International Conference on Ultrasonics and Materials Science for Advanced Technology (ICUMSAT-2019)

International Conference on Ultrasonics and Materials Science for Advanced Technology (ICUMSAT-2019) was organized by Department of Physics, Prof. Rajendra Singh (RajjuBhaiya) Institute of Physical Sciences for Study and Research, Veer Bahadur Singh Purvanchal University, Jaunpur- U.P. during November 16-18, 2019.. Prof. Dr. Krishan Lal, FNA, Co-Chair, IAP for Science, Former Director- NPL, New Delhi, Former President- INSA, New Delhi was the Chief Guest.

Prof. Dr. Nico FelicienDeclercq, Georgia Institute of Technology, France was the Guest of Honour. Prof. Vikram Kumar, FNA, FNAE, FIETE, DSc, President, Ultrasonics Society of India and Dr. Raja

Ramanna DRDO Distinguished Fellow and Former Director SSPL (DRDO) and NPL, New Delhi presided over the function. Distinguished Invitees Prof. B.K. Agrawal, D.Sc., FNA, FNA Sc. And INSA Emeritus Scientist, Physics Department, University of Allahabad, Prayagraj graced the inaugural function.

The conference was organized in collaboration with Ultrasonics Society of India during November 16-18, 2019 and the theme of the conference was Ultrasonics in Materials Science. The Conference was of interest to not only people from Physics, Chemistry, Mathematics and Engineering, but also to people of Life Sciences and medicines.

Objective of this Conference was to bring the Theoretical and Experimental Scientists, the High-Profile Senior Researchers and the Young Dynamic Investigators, and the Industry People on a common platform for exchange of new ideas and discussion of their latest research. In the Conference, besides 8 Plenary Talks, there were 49 Invited Talks by stalwarts in the fields related to conference and oral presentations in 6 parallel sessions, and Poster presentations. As per our expectations, Manufacturers and Suppliers of Scientific Instruments for research also actively participated and we arranged an exhibition during the conference which was very much appreciated by all the delegates.

In the inauguration lamp lighting was followed with Maa Saraswati, auspicious Maa Sarawati Vandana and Kulgeet of V.B.S. Purvanchal University. Dr. Giridhar Mishra, Convener of ICUMSAT-2019, began the session with brief introduction about the conference. Welcome speech was given by our Hon'ble Vice-Chancellor and Patron of ICUMSAT-2019, Prof. Dr. Raja Ram Yadav. He explained the purpose of organizing ICUMSAT-2019 in the campus of V.B.S. Purvanchal University. It is important to mention here that this was the first ever International Conference in this University with such a large participation from India and abroad. Chief guest, Prof. Krishan Lal, F.N.A. in his inaugural speech, shared the latest developments in the field of ultrasonics and materials science.

Guest of Honour Prof. Dr. Nico FelicienDeclercq, Georgia Institute of Technology, France, outlined the usage of ultrasonics in various field of science, which is mostly for medical and diagnostic purposes. He also spoke about the progressive work being done by Indian Scientists in order to extract the optimum utilization of ultrasonics. Ultrasonics can identify the characteristics of a material (any matter) by the use of sensors, which defines the behaviour of ultrasonic propagation. Distinguished Invitee Prof. Vikram Kumar, highlighted the need of advanced research in the field of ultrasonics and materials science. He appreciated the efforts of Department of Physics, Prof. Rajendra Singh (RajjuBhaiya) Institute of Physical Sciences for Study and Research, VBSPU for organizing the International Conference on such an important topic. The successful organization of ICUMSA-2019 was possible due to keen interest of our visionary Vice Chancellor

and Patron of ICUMSA-2019 Prof. Dr. Raja Ram Yadav. He was constant source of inspiration and every detail of ICUMSAT-2019 was taken care by him to organize this event in such a remote area. In his welcome speech, he discussed about the recent advances the ultrasonic engineering has achieved and that Ultrasonics is ready to enter the field of Nanotechnology, especially to benefit Medical Science. He outlined the difference between Xrays and Ultrasonic waves, with their benefits and setbacks. Cancer treatment might also be possible through nanoparticles.

ICUMSAT-2019 got huge response from the researchers of various institutions. At the conference 158 oral presentations and 61 poster presentations were made by various researchers from universities and research institutes in the country. Besides these, more than 200 researchers/ PG students of nearby Institutions and RajjuBhiaya Institute also participated in this mega event. A proceeding of the Conference was published by Narosa Publications New Delhi having ISBN. The inaugural ceremony was preceded with the felicitation of honourable dignitaries and with National Anthem.

Participants enthusiastically interacted with all the resource persons and Senior Scientists on the topics such as ultrasonic instrumentation, nondestructive evaluations/ testing, sensors & transducers, biomedical ultrasound, physical acoustics, signal processing, underwater acoustics, ultrasonic standards and calibrations, laser ultrasonics, ultrasonics in environmental, pharmaceutical and material science, ultrasonic spectroscopy, ultrasonics & materials science in ancient India, low cost photovoltaic devices, nanoparticle-liquid suspensions, nanocomposite materials, engineering materials, materials for defence applications, ultrasonics in nanoscience and technology, materials synthesis and their applications, advanced functional materials, biomaterials, nanoscience & technology in Ayurveda, energy materials, luminescent materials, transport phenomenon, thermophysical properties of materials, modelling and simulations and miscellaneous.

The General Body (GB) Meeting of the Ultrasonics Society of India was held on 16th November, 2019 (Saturday) at 05.30 PM at Aryabhat Auditorium, Prof. Rajendra Singh (RajjuBhaiya) Institute of PhysicalScience for Research, V.B.S. Purvanchal University, Jaunpur, U.P. during the International Conference on Ultrasonics and Materials Science for Advanced Technology 16-18 Nov. 2019 (ICUMSAT-2019). President, USI, informed about the sad demise of Prof. ES Rajagopal. Members observed 2 minutes silence in his remembrance.

During the valedictory function on 18th November, 2019; Chief Guest Prof. Vikram Kumar expressed his happiness over the professional approach adopted in organizing this International Conference. Most of the participants in their feedback shared that the Conference was very helpful to the students and faculties, that they were exposed to the interdisciplinary nature of research in the field of Ultrasonics and Materials Science and that the conference was very well organized in the campus of VBS Purvanchal University. Dr. T. K. Saksena Award for best Ph.D. Thesis. Dr. M. Pancholy Award for best paper presentation during the ICUMSAT-2019 and other conference awards from USI and conference organizers have been announced by Dr. Yudhisther Kumar Yadav: General Seretary-USI. Prof. Vikram Kumar presented these awards to delegates. We sincerely thank all the Government organization/Scientific Agencies for their support in organizing this International Conference. The vote of thanks was rendered by Prof. B. B. Tiwari, Department of Electronics and Communication Engineering. The ICUMSAT-2019 ended with everyone participating in Indian National Anthem.

2. **INTERNATIONAL CONFERENCE ON "RECENT TRENDS IN ELECTRICAL, ELECTRONICS AND COMPUTER SCIENCE ENGINEERING" (ICEECS 2020)**

Jointly Organized by

Uma Nath Singh Institute of Engineering and Technology,
VBS PURVANCHAL UNIVERSITY, JAUNPUR
&
PES College of Engineering, Mandya, Karnataka

Venue: Uma Nath Singh Institute of Engineering and Technology

JANUARY 10-11, 2020

Overview:

The Uma Nath Singh Institute of Engineering & Technology, Faculty of Engineering and Technology at VBS Purvanchal University, Jaunpur has been established in 1997 within the University premises offering B.Tech., M.Tech. and Ph.D. Program in disciplines of Electronics & Communication, Electrical, Computer Science & Information Technology and Mechanical Engineering. The Faculty also offers MCA and BCA Programs as well. The Engineers passed out have made their global participation all over the word in the Public/Private/Industry/Banking/Institution of National and International repute/scientific organization over whole world. Our Alumni network is also working very strongly and we hold Alumni Meets also. Students undergo Industry internship and Induction Program are very fruitfully organized for the new entrants. All classes of B.Tech.are exposed to industry ecosystem sending them on regular basis for industry visits. Prominent scientists are on the panel of BoS, BoG, Academic Council and Executive Council of the University. The Board of Governors of the Institute is headed by Shri R.K. Upadhyay and Eminent Professor / Scientist/IAS officers/Organizational Head/Industry President are on its panel of Members.

The institute is a beneficiary of grant under TEQIP-III of GoI. The Grant is facilitating the organization of their International Conference. We are topmost performer under TEQIP-III in the state of Uttar Pradesh. TEQIP-III has allocated additional grant to us due to our performance as well. It is now very timely that we have organised International Conference an Recent Trends in Electrical, Electronics & Computer Science Engineering during January 10-11, 2020 in the University premises. The conference deliberated upon various topic of Engineering interest by the eminent scholar like Prof. L.N. Hazra - Kolkata, Prof. Gopal Hegde - IISc., Prof. Jagdish Rai - Roorkee, Prof. Bhim Singh - IIT Delhi, Prof. T. Srinivas - Banglore, Prof. G.C. Nandi – IIIT Allahabad, Prof. U.S. Tiwary - IIIT Allahabad, Prof. P.C. Srikant - Hasan, Sri R.K. Upadhyay - BSNL, Sri AnimeshBisaria - Banglore, Prof. D. Mohan - Hisar, Prof. Ajay Shankar - Hisar, Prof. V. Sridhar - Banglore, Prof. Rajiv Tripathi - Allahabad, Prof. P.K. Jain - Patna, Prof A.K. Tripathi - IIT BHU, Prof. S.R. Mohanty, IITBHU, Prof. Ashish Kumar Singh, MNNIT-Allahabad, Er. Amit Kumar Singh, ISRO-Bangalore, Mr. Amresh Shukla, BHEL-Bhopal and other by their planary/invited presentation. The conference was possible with the guidance and inspiration of our Hon'ble Vice Chancellor Prof. Raja Ram Yadav who has been encouraging us to organize international events like the one and pursue quality work in teaching/researches and connecting their involvements with the benefit of the students. Since last couple years the university has seen tremendous placement result with the help of his generous help in this direction.

The conference is being jointly organized with our twinning partner PES College of Engineering, Mandya who have collaborated with us on all front of academics strengthening academic infrastructure and many more joint ventures. Institute for Engineering Research & publication, Chennai is our facilitator. The conference has been planned to include plenary,

invite and contributory sessions, poster presentation and strong fundamental base for students. The conference covers the vast areas of topics on Photonics, VLSI, AI/ML, Soft Computing, DSP, Nanostructure, Plasmonics, Computer Network, Encryption, Data Mining, Image Processing, Power System Distributed Generations, Smart Grid, High Power Converters, Quality Control, Energy Management, Instrumentation etc to name few. Delegates from Abroad and within India have participated under different category of Conference activities. A cultural night was also organised on 10 January 2020.

Registration and Inauguration Session:

The registration started at 9.00 am at three desks and the participants were provided with the conference kit. The esteemed guests present at the dais on the occasion of inauguration were:

1. Shri R K Upadhyay, Chief Guest Chairman BoG& Former CMD BSNL/TCIL India
2. Prof. Peeush Ranjan Agrawal, Guest of honor, Vice-Chancellor APS University, Rewa (M.P.)& Former Vice-Chancellor, VBSPU, Jaunpur
3. Prof. (Dr.) Raja Ram Yadav, Hon'ble Vice Chancellor , VBS Purvanchal University, Jaunpur
4. Dr. Anil Kumar, SPA, SPIU, TEQIP-III, Lucknow
5. Prof. B B Tiwari, Conference Chair
6. Prof.Radhakrishna Rao, PESCE Mandya
7. Prof. A K Srivastava, VBS Purvanchal University, Jaunpur

All the faculty members of VBSPU, PES Mandya, Invited Guests, Co-ordinators, Organizing Team and students got gathered in the Aryabhatta Auditorium. Dr. Rajneesh Bhasker, Head EE Engg, took the command over the anchoring welcoming the guest on the dais for Saraswati Vandana and Puja. Prof. B B Tiwari, Conference Chair welcomed the entire guest and announced the initiation of the Conference. Prof. Radhakrishna Rao, PESCE Mandya talked about the conference and its relevance in the current scenario. Prof. A K Srivastava, Dean further addressed the people sitting in the auditorium. Dr. Anil Kumar, SPA, SPIU, TEQIP-III, Lucknow talked about the TEQIP III and congratulated UNSIET for its wonderful performance in the TEQIP III. After this Conference Digest and Souvenir were released. After the release Prof. Peeush Ranjan Agrawal, Guest of honor, Vice-Chancellor APS University, Rewa (M.P.) & Former Vice-Chancellor, VBSPU, Jaunpur addressed the audience. Prof. Sang Won Yoon of New York, was the Chief Guest of the program who could not manage to come as his flight got cancelled due to bad weather. Now the Chief Guest Shri R K Upadhyay, Chairman BoG& Former CMD BSNL/TCIL India addressed the Audience and said that ICEECS-2020 is taking place at a time when technologies are developing at unprecedented speed-unlike any other since the existence of mankind. Discourse and deliberations in this Conference acquire greater significance. He congratulated the organizers for the organization of such a Conference. Prof. (Dr.) Raja Ram Yadav, Hon'ble Vice Chancellor, VBS Purvanchal University, Jaunpur further graced the event with his vulnerable words. According to him The Conference will provide a forum to all Stake holders including students to interact on various technologies in the front areas of Electrical Engineering, Electronics Engineering & Computer Science Engineering, where the world is seeing spectacular technological trends. Inaugural Session ended with vote of thanks and National Anthem followed by High Tea.

Three parallel sessions started all having planery talk, invited talk and contributing papers. Conference tutorials also started at a different venue (Vishweswaraiya Hall). Poster Presentation also took place at the Main Corridor, RajjuBhaiya Institute.

Day 1 (10 January, 2020, Friday)

Conference Tutorial:

1. **Dr. Ashish Khare, University of Allahabad**

   Exploiting Local Features   for Content-Based Image Retrieval"

Dr. AshisKhare has taken one tutorial lecture on the topic "Exploiting Local Features   for Content-Based Image Retrieval". He has discussed about some topic like Image Retrieval, basic of image features, Image Retrieval Process, Method for Image Retrieval, Ideal Image Retrieval Process, local binary pattern, Local ternary pattern and Integration of DWT, LBP (Low binary pattern) etc.

2. **Dr. Soumya R. Mohanty, IIT BHU Varanasi**

"Phasor measurement unit for protection and stability issue in Power network"

Synchronized phasor measurements are becoming an important element of wide area measurement systems used in advanced power system monitoring, protection, and control applications. Phasor measurement units (PMUs) are power system devices that provide synchronized measurements of real-time phasors of voltages and currents. Synchronization is achieved by same-time sampling of voltage and current waveforms using timing signals

from the Global Positioning System Satellite (GPS). Synchronized phasor measurements elevate the standards of power system monitoring, control, and protection to a new level. The present and possible future applications of phasor measurement units have been well documented.

Technical session I:

Venue:*Aryabhatta Auditorium – Dr Rajendra Singh (RajjuBhaiya) Institute*

Session Chair: Shri R K Upadhyay

Planary Talk 01: Prof. Peeush Ranjan Agrawal
                        "E-Business Sustainability"

Various concepts of E-Commerce, E-Business, Value Chain and E-Payment were covered in the session. it talked about current growth of payment on e-card in the market. Growth of E-Commerce talking about the actiual figures in the past, present and future across the globe was considered.

Planary Talk 02: Prof. L N Hazra, University of Calcutta

                        "Binary Optics"

Binary optics is the product of a synergy between optics and microelectronics. The growing development of digital computers with phenomenal number crunching ability is being sustained by concomitant developments in VLSI fabrication technology during the last four decades. It must be recognized that novel developments in the technique of optical microlithography with growing demands for higher resolution and precision, hold the key in sustaining the growth of digital computers at the rate predicted by Moore's law during the last decades. It is euphemistically said that microelectronics is piggyback riding on grand old optics. Binary optics is the turn of electronics to pay optics back appropriately.

Planary Talk 03: Prof. T Srinivas, IISc Bangalore
   "Multiplexing Techniques in Optical Communications using Photonic Integrated Circuits"

Optical multiplexing combines many optical signals into one to make full use of the immense bandwidth potential of an optical fiber channel. It can perform additional roles like providing redundancy, supporting advanced topologies, reducing hardware and cost, etc. The idea is to divide the huge bandwidth of optical fiber into individual channels of lower bandwidth, so that multiple access with lower-speed electronics is achieved. This paper focuses on recent developments in optical multiplexing techniques and their realization. Two multiplexing techniques that will be addressed are wavelength division multiplexing (WDM) and mode division multiplexing (MDM). Photonic devices based on light propagation in optical waveguides will be proposed to perform multiplexing and demultiplexing. In addition to conventional integrated optic devices, recent work on devices based on micro ring

resonators and photonic bandgap structures will be addressed, along with system applications.

Technical Session – II

Venue:Aryabhatta Auditorium – Dr Rajendra Singh (RajjuBhaiya) Institute

Session Chair: Prof. M L Anitha

Invited Talk05: Dr. Manish Kumar, IIT Allahabad

"Data Management in Mobile Computing"

Data management technology that enables the use of databases on the mobile computing environment. Different soft mobile computing models are available. The database is more advanced and challenging than the fixed distributed databases. Mobile users can access any data, anywhere and anytime, even in the absence of fixed network connection. Need to employ distributed computing technologies that must also work properly even in the disconnection prone environments. Location management and handoff management plays an important role. Mobile transactions are distributed transactions where partial actions are performed in mobile computers and others in fixed hosts.

Invited Talk 03: Dr. Neetesh Purohit, IIIT Allahabad

"Latest Innovations in Wireless Communications"

Several innovations have transformed the wireless cellular communications from a voice centric highly inefficient 2G GSM system into a highly efficient and reliable 4G data network, and the 5G is expected to hit the market very soon. In this talk some of the innovations which have either already included in the existing cellular networks or are expected to be included in the future generations are briefly presented. The Multi access Edge Computing (MEC) has been introduced in 5G. It largely relies on machine learning (RL in particular) in efficiently moving contents and resources close to the end users so that the latency can be reduced. Most remarkable advantage of Machine Learning is its ability to utilize the past experiences in efficiently performing a task or a group of tasks in terms of improvement in some KPIs. A machine learning based Physical layer can further improve MEC e.g. if somehow the CSI, channel state information, which is to be used at a particular instant can be accurately predicted by machine learning then the last hop latency can be significantly reduced. 5G has also introduced the provision of on-demand constructions of network slices using network function virtualization (NFV) and software defined networking (SDN) technologies. A machine learning based physical layer design is now required for most effective implementation of NFV and SDN.

Contributing Papers:
Oral Presentation – 01: (O-01)
"Travelling Salesman Model for Election Campaigning of LokSabha Constituencies of Vidarbha Region" - Satyajit S Uparkar, Charool S. Kumbhare ; RCOEM, Nagpur

Oral Presentation – 02: (O-02)
"Optimization of Transportation Model based on Agricultural Products available in Maharashtra Region" - Satyajit S Uparkar, Pravin Y. Karmore, Leena M. Patankar, Vaidehi S. Deshpande ;
RCOEM, Nagpur

Oral Presentation – 03: (O-03)
"Application of Travelling Salesman Model for Ashta-Vinayak of Vidarbha Region" - Satyajit S Uparkar, Aanchal S. Patle, Jatin P. Kothari, Piyush L. Kesharwani ;
RCOEM, Nagpur

Oral Presentation – 04: (O-04)
"A Survey On semantic approaches and machine learning approaches for Kannada language"–Sunil M E, Dr.Vinay S, Mr. Hitesh G.; PES College of Engineering, Mandya, Karnataka

Oral Presentation – 05: (O-05)
"A Survey on Resource Allocation in Cloud Datacentre using Machine Learning" - Shruthi P S, Dr. D. R. Umesh;PES college of engineering, Mandya, Karnataka

Oral Presentation – 06: (O-06)
"E-Govenance For Public Administration" - Mahesh Kaluti, Rajani K C;PES College of Engineering, Mandya, Karnataka

Oral Presentation – 07:
"Performance Analysis of Rectangular Microstrip Patch Antenna at selective Frequency using Tunnel Diode"–Priti Sharma ; UNSIET VBS Purvanchal University, UP

Oral Presentation – 08: (O-20)
"Review on Energy Consumption of the Sorting Algorithms and Involvement of Programming Language" – Shweta Tiwari, Shashank Shekhar Tiwari, Shivendu Mishra; REC Ambedkar Nagar U.P

Oral Presentation – 09: (O-21)
"Real Time Prediction to Open a New Shop Using Customer Location" - Greenish, Gomti Singh , Ashish Kumar Mishra, Ramesh Chand Pandey; REC Ambedkar Nagar U.P.

Technical Session – III

Venue: Lecture Hall No. 101

Session Chair: Prof.Umesh D R

Planary Talk 05: Prof. P C Srikanth, Malnad College of Engineering, Hassan, Karnataka

"Photonic Sensors using PBG Device"

Photonic crystal technology is used in detection of bacteria, virus, Cancer, contaminants in air, water etc., and measurements of parameters like pressure, temperature, displacement etc. The sensor is based on two-dimensional photonic crystals. A two dimensional photonic crystal gives high sensitivity. The Nano cavity resonator, Ring resonator and MZI is formed by line and point defects in PBG structure.

Invited Talk 02: Dr. Ajay Shankar, GJUS&T Hisar
"Phase Measurement in Interferometry"

Interferometry' is a measurement method using the phenomenon of interference of waves and measurements may include those of certain characteristics of the waves themselves and the materials that the waves interact with. The optical interferometry has been a valuable measurement technique for more than a hundred years. Its accuracy has later been improved with the invention of lasers. The displacement measuring interferometry is extensively used for calibration and mechanical stage motion control in precision machining, linear and rotary encoders. Various other forms are used in profile measurement and key tools in current industrial strive towards using freeform optics to minimize components and so cost of instruments or technology.

Contributing Papers:
Oral Presentation – 01: (O-40)
"A Review on Modelling and MPPT algorithm for Wind Energy Conversion System" - PrateekTripathi, Prabhanjan Kumar Singh ,HimanshuBhushan, Dr. Sachin Singh ; SRMGPC Lucknow

Oral Presentation – 02: (O-24)
"Scene Change Detection in Broadcasted Video" - Sumanth S, Dr. K.A. RadhakrishnaRao ; PES College of Engineering, Mandya, Karnataka

Oral Presentation – 03: (O-25)
"Face Recognition and IoT Based Smart Lock Access System" -Ajay Kumar ,AmritanshuUpadhyay, Ashish Kumar, Dr. S K Tomar ; MJP Rohilkhand, Bareiley

Oral Presentation – 04: (O-26)
"IOT based Automatic Irrigation System and field protection from animals" - IshuGangwar, ShubhankVashishth, Dinesh Kaushik, Dr. Shiv Kumar Tomar ; MJP Rohilkhand, Bareiley

Oral Presentation – 05: (O-27)
"Controlling Home Appliances by GSM System" -Sarvesh Kumar Yadav, AnujRajput,Dr. Shiv Kumar Tomar ; MJPRohilkhand, Bareiley

Oral Presentation – 06: (O-30)

"Relative Analysis of Carry Skip Adder Using 28T, 10T & 8T Full Adders" -SanthoshBabu K. C., Dr Vijay Prakash A M ; PES College of Engineering, Mandya, Karnataka

Oral Presentation – 07:(O-45)
"Green Energy Corridor" - SulabhSachan, DeepanshiVerma ; MJP Rohilkhand, Bareiley

Oral Presentation – 08: (O-32)
"Retinal image analysis for ROP Plus diagnosis and detection" - Dr R Manjunatha, Dr H S Sheshadri ; PES College of Engineering, Mandya, Karnataka

Oral Presentation – 09: (O-51)
"Wire Electrode Wear Measurement in WEDM using Machine Vision System" -Gurupavan H R, Ravindra H V, Devegowda T M ; PES College of Engineering, Mandya, Karnataka

Technical Session – IV

Venue: *Lecture Hall No. 102*
Session Chair: Prof. Radhakrisna Rao

Planary Talk 06: Prof. Gopal Krishna Hegde, IISc Bangalore

"Optical Imaging Techniques for High Speed Flow Diagnostics"

Optical imaging, sensing and communication systems are the integral part of the aerospace, civil aviation, defense applications and research. Optical imaging, sensing techniques also played crucial roles in aerospace research especially in ground based test facilities. The most commonly employed diagnostics in aerodynamics studies include surface measurements of pressure, temperature/ heat transfer and skin friction on the models placed in the free stream, measurement of forces and qualitative visualizations of the flow field. This talk will present some of the optical imaging and sensing techniques recently developed in understanding various aspects of aerodynamics in hypersonic research facilities. Present and future challenges and advantages of these techniques will be highlighted. It can be anticipated that the laser based density-sensitive visualization techniques will remain crucial diagnostic tools for hypersonic flow research, however they are expensive and little complicated for implementation.

Contributing Papers:

Oral Presentation – 01: (O-39)
"Review on MPPT Techniques for Solar PV array Systems" - Lokesh T R ; PES College of Engineering, Mandya, Karnataka

Oral Presentation – 02: (O-23) SKYPE
"GLAUCOMA DETECTION: An Approach Using Hybrid Texture Feature Descriptors." - SobiaNaz, Dr. K.A. RadhakrishnaRao ; PES College of Engineering, Mandya, Karnataka

Oral Presentation – 03: (O-41)SKYPE
"Calibration of Partial Discharge Measuring System by a reference Square wave" -Mahesh Kumar K M, Dr. B Ramachandra ; PES College of Engineering, Mandya, Karnataka

Oral Presentation – 04: (O-16)SKYPE
"Cloud Data Integrity Verification with Privacy Preserving and Effective batch verification ID based Public Auditing Protocol"- Arjun U, Dr.Vinay S ; PES Institute of Technology and Management,Shivamogga

Oral Presentation – 05: (O-37)SKYPE
"Design of Low Power and Area Efficient CMOS Full Adder using Pass Transistor Logic" - Kumar N. Krishna Murthi, Priyadarshini N J ; PES College of Engineering, Mandya, Karnataka

Oral Presentation – 06: (O-49) SKYPE
"An Agricultural Electric Cart by Application of Internet of Things" - B. Dinesh Prabhu, N. Jagadeesh, B.S. Mamatha, & U. Samrat ; PES College of Engineering, Mandya, Karnataka

Oral Presentation – 07:(O-31)SKYPE

"A Survey On Electronic Health Record Maintenance Using Blockchain" - Sahanaraj B S, Sowmyashree A N ; PES College of Engineering, Mandya, Karnataka

Oral Presentation – 08: (O-47)
"A Review Paper on Modeling, Generations and MPPT Techniques of Solar PV System" - Mr.Mohd Amir, Mr.MohdYasirMr.Himanshu Bhushan Dr. Sachin Singh; SRMGPC, Lucknow.

Oral Presentation – 09: (O-34)SKYPE
"Hybrid Memristive Memory Cell" - Dr Mahesh, M Subramanyam; PES College of Engineering, Mandya, Karnataka

Poster Presentation

Various posters came from all over the country. A committee was formed to evaluate the posters. The committee comprises of:

- Prof. L N Hazra
- Prof. M L Anitha
- Dr. Rajneesh Bhasker

P-01 Skin Diseases Prediction: Binary Classification Machine Learning and Multi Model Ensemble Techniques : A case Study - **Anurag Kumar Verma, Saurabh Pal, Surjeet Kumar & B.B. Tiwari**

P-02 Breast Cancer Prediction using Bucket Ensemble Approach - **Vikas Chaurasia, Saurabh Pal & B.B. Tiwari**

P-03 A Critcally Review on Data Mining Segment : A New Perspective - **Randhir Singh, Saurabh Pal & BB Tiwari**

P-04 Comparative Efficacy Estimation of OIDMA System using Gaussian and Soliton Pulses for Long Haul Communication - **Ravi Prakash**

P-05 Recent Trends in Photonic Crystal Applications for Telecommunications - **Ranjan Tripathi & B.B. Tiwari**

P-06 Microstrip Patch Antenna: A Review - **Parimal Tiwari & K.K. Verma**

P-07 Investigation on effects of surface morphologies on response of gas and humidity sensor based on nanostructured Mn0.5 Zn0.5 Fe2O4 system - **Prabhat Ranjan Tiwari, S. Kumar and S.P. Singh**

P-08 Application of Similarity Transformations Method to solve Kedomtsev-Petviashvili Equation - **Dr. Raj Kumar**

P-09 Comparison of Load Forecasting Using Artificial Neural Network, Fuzzy Logic and Anfis System - **Jaya Shukla & Dr. Rajnish Bhasker**

P-10 Artificial Intelligence and Human Thinking - **Ramesh Mishra, Parimal Tiwari & Vineet Singh**

P-11 Nano-Porous Titania Based Novel Materials Synthesized with and without an Ionic Liquid for Photocatalytic Activity - **Manish Pratap Singh, Keval Bharati, Yogendra Lal Verma & Santosh Kumar**
P-12 Some Invariant Solutions of Konopelchenko-Dubrovsky System - **Dr. Raj Kumar**

P-13 A 5G Cognitive System for Healthcare - **Parimal Tiwari, Ramesh Mishra &Paritosh Tripathi**

P-14 BER Performance of High order Modulation schemes over FSO Turbulent Channel with Pointing Error using Photodiode - **B.B. Tiwari & Deepak Kumar Singh**

P-15 Smart University Campus through IOT : A Literature Survey - **Dileep Kumar Yadav & Dr. Munindra Kumar Singh**

P-16 Internet of Things, Applications, Challenges and Related Future Technologies **– Ramesh Mishra, Sanjeet Pandey &Paritosh Tripathi**

P-17 Calculation of Rayleigh BER with DF Relay in cooperative Communication - **Poonam Sonkar**

P-18 Comparative Analysis of AODV, DSR and AOMDV Routing Protocols - **Ashok Kumar Yadav & Sanjeev Gangwar**

P-19 Power Management Strategies in Microgrid: A Survey - **Satyam Kumar Upadhyay, Rajnish Bhasker & Saurabh V. Kumar**

P-20 Heart Disease Prediction Using Data Mining - **Mr. Gyanendra Pal, Dr. Sanjeev Gangwar& Manisha Srivastava**

P-21 Simulink the Biological Signals through Matlab to obtain the common frequency and amplitude of a human body organs- **Sudhir Singh**

P-22 A Low Voltage, Highly Linear, Voltage Controlled Ring Oscillator for Biomedical Applications at 0.18 m Technology - **Parul Trivedi, B.B. Tiwari &Mohd. Aneesh**

P-23 A comparative Analysis of Different facial action tracking Models and Techniques – **Prem Chand Yadav**

P-24 Cloud Computing - **Vineet Kumar Singh, Paritosh Tripathi &Parimal Tiwari**

P-25 Integrating WordNet and STS (Semantic Textual Similarity) with Document Object Model (DOM) to detect plagiarism in online articles - **Ajay Pilaniya, Sanjay Kumar Sonbhadra& Sonali Agarwal**

P-26 Slot and Notch Loaded Fr4 Grounded Multiband Microstrip Patch Antenna for L, S and C Band Applications - **Mohammad Aneesh, Ashish Singh, Kamakshi &Parul Trivedi**

P-27 Aggressive Driving Behaviour Classification Using Smartphone's Accelerometer Sensor - **Shubham Swarnkar, Sanjay Kumar Sonbhadra, Sadhana Tiwari & Sonali Agarwal**

P-28 Impact of Convolutional Coding in User-Spread Optical Interleave Division Multiple Access (USOIDMA) System - **Ajay Kumar Maurya**

P-29 Phosphorescence of Tungsten Light: An Energy Source for Synthesis of 4,5-Dihydropyrazolone Derivatives - **Dr. Amrendra Kumar Singh**

P-30 Design consideration of Gunn Integrated Annular Ring Microstrip Antenna **Santosh Kumar Tripathi**

P-31 Characterization of Sol-gel derived TiO2/MWCNT Thin Films **Vikas Indora, Sandeep Yadav2b,Sonia Kumari1, Devendra Mohan1**

P-32 Growth Parameter Optimizations of Vanadium Oxide Thin Films **Sandeep Yadav*1,2, Sonia Kumari2, Sib Krishna Ghoshal3, Ram Pratap Yadav4, Anil K. Yadav5, Devendra Mohan2, Rakesh Dhar2, S.K. Chaudhary1**

P-33 Synthesis and Structural Analysis of Cd based Chalcogenides **Kavita Yadav1a, Sandeep Yadav2, Sonia Kumari1, Sujata Sanghi1, and Devendra Mohan1**

P-34 Simulation of Mg Ion Implantation in Electron Transport Layer of Perovskite Solar Cell **Sonal Dureja[1]a, Sandeep Yadav[2], Devendra Mohan[1], Rakesh Dhar**

P-35 Cyber Crime in India: Impact and Challenges **Krishna Kumar Yadav**

Cultural Programs followed by Conference dinner

A cultural night was organized at the Aryabhatta Auditorium on the same day. Kathak dance was performed by Richa Pandey and Manish Mishra, along with their group, Ayodhaya Gharana. It was a great experience listening to the Vice Chancellor Prof. (Dr.) Raja Ram Yadav, VBSPU along with Prof Gopal Hegde, IISc Bangalore. Classical singing was simply and amazingly superb showing his passion for music since ages.

The program was followed by Conference Dinner.

Day 2 (11 January, 2020, Saturday)

Conference Tutorial:

1. **Dr. Nitin Singh, MNNIT Allahabad**

Introduction to Artificial Neural Networks and Fuzzy System

- Artificial intelligence (AI)-

- Computers with the ability to mimic or duplicate the functions of the human brain.

- Artificial intelligence systems-

- The people, procedures, hardware, software, data, and knowledge needed to develop computer systems and machines that demonstrate the characteristics of intelligence.

2. **Dr.Arunesh Kumar Singh, Jamia Millia Islamia, New Delhi**

"Neuro-Controller: An innovative approach"

Neural networks have been used to solve problems in almost all spheres of science and technology. Neural network control basically involves two steps:

1. System identification

2. Control

It has been shown that a feedforward network with nonlinear, continuous and differentiable activation functions have universal approximation capability. Recurrent networks have also been used for system identification. Given, a set of input-output data pairs, system identification aims to form a mapping among these data pairs. Such a network is supposed to capture the dynamics of a system. For the control part, deep reinforcement learning has shown its ability to control complex systems.

3. **Dr. Krishna Kumar Mishra, MNNIT Allahabad**

"Nature-Inspired Optimization Algorithms"

Nature-Inspired Optimization Algorithms provides a systematic introduction to all major nature-inspired algorithms for optimization. The book's unified approach, balancing algorithm introduction, theoretical background and practical implementation, complements extensive literature with well-chosen case studies to illustrate how these algorithms work. Topics include particle swarm optimization, ant and bee algorithms, simulated annealing, cuckoo search, firefly algorithm, bat algorithm, flower algorithm, harmony search, algorithm analysis, constraint handling, hybrid methods, parameter tuning and control, as well as multi-objective optimization.

Technical Session – V

Venue:Aryabhatta Auditorium – Dr Rajendra Singh (RajjuBhaiya) Institute

Session Chair: Prof. L N Hazra

Planary Talk - 07 : Prof. Bhim Singh, IIT Delhi
"Electric Vehicle and Charging Systems"

The growing interest in electrification has led to the motivation towards hybrid / electric vehicles (EVs) applications. Therefore, the invited talk on "Electric Vehicles and Charging Systems" introduces the EV technology. Starting with the comprehensive review of the electric vehicles deployed commercially, it covers the need for electric vehicles, benefits of

electric vehicles over the conventional internal combustion based vehicles, classification of the electric vehicles viz. hybrid vehicles, fully electric vehicles, series or parallel, etc. It also covers various technologies for the electric motors and the requirements of motors for hybrid/electrical EVs in terms of power density, efficiency, and cost. Considering, the charging infrastructure equally important as the electric vehicles, it also throws light on the different charging levels, charging standards and the charging connectors.

Planary Talk - 08 : Prof. G C Nandi, IIIT Allahabad
"Solving Intelligent Robot Grasping Problem in the Deep Learning Paradigm"

The growing interest in electrification has led to the motivation towards hybrid/ electric vehicles (EVs) applications. Therefore, the invited talk on "Electric Vehicles and Charging Systems" introduces the EV technology. Starting with the comprehensive review of the electric vehicles deployed commercially, it covers the need for electric vehicles, benefits of electric vehicles over the conventional internal combustion based vehicles, classification of the electric vehicles viz. hybrid vehicles, fully electric vehicles, series or parallel, etc. It also covers various technologies for the electric motors and the requirements of motors for hybrid/electrical EVs in terms of power density, efficiency, and cost. Considering, the charging infrastructure equally important as the electric vehicles, it also throws light on the different charging levels, charging standards and the charging connectors.

Technical Session – VI

Venue:Aryabhatta Auditorium

Session Chair: Prof. Bhim Singh, IIT Delhi

Invited Talk - 06: Shri R K Upadhyay, BSNL India
"5G-Next Generation Wireless Communication"

We are living in times where accelerated change is the only constant. The current speed technological development is un-precedented; it's unlike any other time in the history of Mankind. In past 200 years, there have been multiple 'watershed inventions' watershed because they changed the society as we knew them before these inventions. Invention of Printing Press which made books available for the (general) public was one such invention.

Invited Talk – 09: Dr.Jagdish Rai, IIT Roorkee
"The state of science and technology in ancient India"

In his talk the state of science and technology in ancient India has been discussed. The works of Kanad, Aryabhatta and others in physical sciences have been described. In the field of medicine various workers have contributed. The influence of ancient Indian thinking on modern science and technology has also been discussed in detail.

Invited Talk - 04: Shri AnimeshBisaria, Integra Micro Systems, Bangalore
"Recent Trends in the IT Industry and what it looks at"

IT industry has evolved to its current state over a period of time, resulting in improved productivity and simplified life for people across the globe. Numerous use cases across industries can be thought over and solutions developed using latest technologies to simply the life for everyone further. The way we live and work today is totally different from what our parents and grandparents experienced in the past. Technologies help us deliver better, faster and cheaper depending on how efficiently we workout long term plans and execute them. Today, IT industry is fast changing.

Oral Presentation – 10: (O-10)
"Path Optimization: A Potential Approach to Path Planning Using Machine Learning" - Anum Kamal, Dr.Faiyaz Ahmad; Integral Univertsity, Lucknow

Oral Presentation – 11: (O-13)
"Autonomous Indoor Navigation Robot" - Dr. M. Prasad, V Hariharan, Alen Thomas, ArpithaGanesh, Anup; VIT Chennai

Oral Presentation – 12: (O-14)
"Phishing Detection: A Literature Survey" - AryaSreevalsan, SmitaSindhu, Sunil P. Patil, FaizRahman, Saritha A.N.; B.M.S. College of Engineering, Bangaluru

Oral Presentation – 13: (O-15)

"A Study of Various Simulator for an Energy- Neutral Operation of Internet of Things Nodes"
- Rakshith N, Dr.Minavathi ; PES College of Engineering,MandyaKarnataka

Oral Presentation – 13: (O-15)
"A Study of Various Simulator for an Energy- Neutral Operation of Internet of Things Nodes"
- Rakshith N, Dr.Minavathi ; PES College of Engineering,MandyaKarnataka

Oral Presentation – 14: (O-42)
"Bacterial Foraging Optimization Based Maximum Power Point Tracking for Photovoltaic System under Partially Shaded Condition with Interleaved Resonant Fly-back Converter"-C Sunil Kumar, Dr.Puttamadappa C, Dr. Y L Chandrashekar ; PES College of Engineering, Mandya, Karnataka

Oral Presentation – 15: (O-17)
"Grain Traceability in Supply chain of Agricultural Based on Blockchain Technology"– SudhanshuAgrahari, Jay Prakash ; Madan Mohan Malaviya University Gorakhpur

Oral Presentation – 16:(O-18)
"A Real Time Approach to Compute Distance between Objects for Automated Tasks" - AnkushPandey, Ashish Kumar Mishra, Ramesh Chand Pandey ; REC Ambedkar Nagar U.P.

Oral Presentation – 17: (O-19)
"Centrality Based Fuzzy Clustering Approach For WSN"–Kanchan, JyotiBharti, Ramesh Chand Pandey, Shivendra Kumar Pandey ; REC Ambedkar Nagar U.P

Technical Session – VII

Venue:_Lecture Hall No. 101_

Session Chair: Prof.Gopal Krishna Hegde

Invited Talk – 07 Er. Amit Kumar Singh, ISRO Bangalore
"Glimpse of Indian Space Program and Recent Technological Achievements"

The developmental process of a nation has many facets. One of the most important is the advances in the space research and technology. In the postindustrial society the geographical distance is no more a hurdle for dissemination of information and knowledge due to satellite aided technologies. ISRO has successfully developed two major space satellite systems - INSAT for communication, television broadcasting and meteorological services and the Indian Remote Sensing Satellites (IRS) for management of the natural resources. The latest among its ambitious activities has been related to space mission: the

Mars Orbiter Mission which is India's first interplanetary mission to planet Mars and second lunar mission: The Chandrayaan-2.

Invited Talk - 08: Prof. Devendra Mohan, GJU&THisar
"Optical Limiting and Switching in Photonic Materials for Optoelectronic Devices"

Focusing and guiding light into nano structure materials for photonic devices offer a practical pathway towards next-generation power-efficient optical networks. The prospects for photonic switching using photonic materials possess unique properties based on their low dimensionality. The optical non linearity of such photonic materials is to be analyzed by considering the response of dielectric material at the atomic level to the electric fields of an intense light beam. The propagation of a wave through a material changes in the spatial and temporal distribution of electrical charges and atoms interact with the Electromagnetic fields of the wave. The main effect of the forces exerted by the field on the charged particles is displacement of the valence electron from their normal orbits. This creates electric dipole and hence polarization.

Oral Presentation – 10: (O-43)
"Smart Garden with IoT based Plant Monitoring System" -Dr. S P Singh,Aswin Kumar Yadav, RavindraKumar,AbhishekPandey, Lalitgond ; REC Ambedkar Nagar U.P

Oral Presentation – 11: (O-38)
"Performance Analysis of OIDMA System using Soliton Pulses" - Ravi Prakash, Ajay Kumar Maurya ; Uma Nath Singh Institute of Engineering and Technology ,VBSPU Jaunpur

Oral Presentation – 12: (O-48)
"Comparative Thermal Analysis of Pure and Zinc Doped Sodium Hexa-titanate ($Na_2Ti_6O_{13}$)" -Dr Vishal Singh Chandel, NavashadAlsm, TahisraKhatoon, Rashmi ; REC Ambedkar Nagar U.P

Oral Presentation – 13: (O-44)
"Study of Total Harmonic Distortion (THD) Reduction by Filter in Renewable Energy Inverter" – Abdul Hafeez, Dr. S P Singh; REC Ambedker Nagar U.P.

Oral Presentation – 14: (O-50)
"Evaluation of Weld Bead Mechanical Properties Using Image Processing during Destructive Testing by Multivision Technique"- Dr.RudreshAddamani , Dr. H V Ravindra, Dr.Gayathri Devi S K ; PES College of Engineering, Mandya, Karnataka

Oral Presentation – 15:(O-09)
"Design, developing device and apps (D 3 A) for Alzheimer's & Missing Child in a Fair using IRNSS Application" - Dr.Nandini N, Dr. Y. S Kumara Swamy;

Dr.Ambedkar Institute of Technology, Bengaluru

Oral Presentation – 16:(O-29)
" Remote Sensing Satellite Data Analysis applied to precision Agriculture Modelling" - Hari Kumar Singh, Sanjeev Sharma, Shiv Kumar Tomar ; MJP Rohilkhand, Bareiley

Oral Presentation – 15: (O-28)
" Application of Remote Sensing and Image Processing for Efficient Urban Planning in India" - Sanjeev Sharma, Hari Kumar Singh, Shiv Kumar Tomar ; MJP Rohilkhand, Bareiley

Technical Session – VIII

Venue: *Lecture Hall No. 102*

Session Chair: Prof.Vinay S

Oral Presentation – 10: (O-07) SKYPE

"Evolution in Mobile traffic offloading Strategies & challenges faced by it in HAN architecture" -RuchitaDuggal, ShivamSharma ; Lovely Professional University, Punjab

Oral Presentation – 11: (O-08) SKYPE

"Song generation using AI" -Dr. V Nagaveni ; Acharya Institute of Technology, Banglore

Oral Presentation – 12: (O-11) SKYPE

"An Approach to Smart Parking Algorithm using GPS Mapping and Genatic Ant Colony Algorithm" -AnKitaYadav, Mohammad Arif ; Integral Univertsity, Lucknow

Oral Presentation – 13: (O-12) SKYPE

"An Intelligent IoT based wireless sensor network for monitoring of water quality by using RNN in Real-Time " –Ms. Sana Afreen, Shashank Singh ; Integral Univertsity, Lucknow

Oral Presentation – 14: (O-22) Skype

"On the FIB Fabrication of Nano-Gap Metal Electrodes and Nature of their I-V Characteristics" -Abhishek Kumar Singh, Amit Kumar, Saket Kumar ; Darbhanga College of Engineering, Darbhanga

Oral Presentation – 15: (O-33) SKYPE

"A Survey on Arithmetic Logic Unit using Cadence" -Sumanth S, Yuvashree G S ; PES College of Engineering, Mandya, Karnataka

Oral Presentation – 16:(O-35)SKYPE

"Effect of Neural Network Generalization on the Online Handwritten Pattern" -Dr.Ramya S., Dr. Kumara Shama ; Manipal Institute of Technology, Manipal

Oral Presentation – 17: (O-36)SKYPE

"Study of Side Coupled Modulation Cavity for High Power Microwave Application" – AnamikaKumari, Saket Kumar ; MIT Muzaffarpur

Oral Presentation – 17: (O-46) SKYPE

"An Innovative Fault Context Identification Algorithm for High Speed Distance Protection" – Ujjaval Patel, Nilesh G Chothani, Praghnesh J. Bhatt;Adani Institute of Infrastructure Engineering, Ahemdabad.

Technical Session – IX

Venue: *Aryabhatta Auditorium*

Session Chair: Prof. Jagdish Rai;   **Co-chair:** Prof. Nagarathna

Planary Talk - 09 : Prof. Anil Kumar Tripathi, IIT BHU

" Issues, Challenges and Problems in Computer Science & Engineering Research"

This talk identifies pertinent Issues, related Challenges and the problems in this important area of studies and research. Various concerns that bother minds of academicians connected with Theoretical Computer Science would first be taken up. Various Technologies that have emerged and the way they are redefining the systems and infrastructure will be considered next. Non-Functional concerns are gaining importance these days and hence pertinent Research Issues in this area will also be identified.

Valedictory Session:

The committee formed for the valedictory session is as under:

Chairman:
- Prof Gopal Hegde

Members of the Panel:
- Shri R k Upadhyay
- Shri AnimeshBisaria
- Dr Radhakrishnan Rao
- Dr. Anil Kumar Tripathi
- Prof. B B Tiwari
- Dr. Nagrathna N
- Dr. Santosh Kumar

Dr. Raj Kumar Soni took the command of anchoring the session. The session started with felicitating the Chairman and other members of the Panel. The Chairman of the session congratulated the organizers for the grand success of the Conference. Internal Faculty members were given memento. Dr. Nagrathna, Faculty from Mentor Institute appreciated the efforts and congratulated UNSIET and PES both for working hand in hand and celebrating the success of the event. Prof. Tiwari thanked all in one for making this conference a wonderful event. He also thanked the Vice Chancellor for helping in each walk, for providing a path to work upon to make the event a successful one. The session presented certificates for the three best posters, three best paper presentations and a best

paper award to the participants from various institutes. Various faculty members, participants and students gave the feedback for the Conference which stated a wonderful platform to learn throughout

.

Media coverage

300 वैज्ञानिकों का होगा जमावड़ा

जागरण संवाददाता, मल्हनी (जौनपुर): वीर बहादुर सिंह पूर्वांचल विश्वविद्यालय परिसर के उमानाथ सिंह अभियांत्रिकी एवं प्रौद्योगिकी संस्थान द्वारा अंतरराष्ट्रीय संगोष्ठी का आयोजन 10 जनवरी से होगा। इसको लेकर विभिन्न देशों के 300 विषय विशेषज्ञ प्रतिभाग करेंगे, जिसकी तैयारी जोर-शोर से चल रही है। इंजीनियरिंग संस्थान में 10 व 11 जनवरी को अंतरराष्ट्रीय संगोष्ठी का आयोजन किया गया है। संगोष्ठी इलेक्ट्रिकल, इलेक्ट्रॉनिक्स एवं कंप्यूटर साइंस इंजीनियरिंग के नवीन आयाम पर होगी।

कार्यक्रम के मुख्य अतिथि न्यूयॉर्क विश्वविद्यालय के प्रो.सैम वांग चुन होंगे। कोलकाता विश्वविद्यालय के प्रो.एलएन हाजरा, आईआईएससी बेंगलुर से प्रो.गोपाल हेगडे एवं प्रो. श्रीनिवास संबोधित करेंगे। आईआईटी रुड़की के प्रो.जगदीश राय, ट्रिपल आईटी इलाहाबाद से प्रो.जीसी नंदी, प्रो.उमाशंकर तिवारी, प्रो.श्रीकांत, भारत संचार के भूतपूर्व अध्यक्ष राकेश उपाध्याय, बेंगलुरु के माइक्रो इंटीग्रेशन सॉफ्टवेयर के अनिमेष बिसारिया, हिसार से प्रो.देवेंद्र मोहन, प्रो.अजय

आयोजन
* विश्वविद्यालय में अंतरराष्ट्रीय संगोष्ठी 10 जनवरी से
* आधुनिक युग के नए आयामों से विद्यार्थी होंगे रूबरू

शंकर व कई अन्य विषय विशेषज्ञ संगोष्ठी में अपने अनुभव साझा करेंगे।

कार्यक्रम में कुलपति प्रो.राजाराम यादव एवं आईआईटी बीएचयू के प्रो.आनंद मोहन, पूर्व कुलपति आरके उपाध्याय, अवधेश प्रताप सिंह, रीवा विश्वविद्यालय के वर्तमान कुलपति प्रोफेसर पीयूष रंजन अग्रवाल गेस्ट आफ आनर होंगे। संगोष्ठी के दौरान 10 समानांतर सत्र चलेंगे। इस संबंध में कार्यक्रम अध्यक्ष प्रो.बीबी तिवारी ने बताया कि कुलपति प्रो.राजाराम यादव निर्देशन में तैयारी को अंतिम रूप दिया जा रहा है।

शिक्षक कर्मचारियों के हित में पुरानी पेंशन

जासं, जौनपुर: पूर्व मंत्री व सपा विधायक शैलेन्द्र यादव ललई से गुरुवार को अटेवा पेंशन बचाओ मंच के जिला प्रवक्ता विनय कुमार वर्मा अजय मिश्रा, इंदु प्रकाश यादव व जमेंद चंद यादव ने मुलाकात की। उनसे पुरानी पेंशन बहाली को आवाज उठाने की बात कही व संगठन की स्मारिका भेंट की। विधायक ने उनकी मांगों से सहमति जताते हुए कहा कि शिक्षकों व कर्मचारियों को पुरानी पेंशन योजना का लाभ मिलना चाहिए। इस लड़ाई में उन्होंने सहयोग का आश्वासन दिया।

प्रवेश फार्म का वितरण आज से
–मल्हनी: सेंट जांस स्कूल सिद्दीकपुर में सत्र 2020-2021 में प्रवेश के लिए फार्म का वितरण शुक्रवार से शुरू कर दिया जाएगा। कालेज प्रधानाचार्य फादर पी. विक्टर ने बताया कि एलकेजी,यूकेजी व कक्षा एक के लिए एडमिशन फार्म 3 से 20 जनवरी मध्य दिया जाएगा। दाखिला फार्म जमा करने की अंतिम तिथि 21 जनवरी निर्धारित की गई है।

अंतरराष्ट्रीय सम्मेलन में इंजीनियरिंग के नव प्रवृत्तियों पर हुई चर्चा

जौनपुर (एसएनबी)। वीर बहादुर सिंह पूर्वांचल विश्वविद्यालय के प्रो. राजेंद्र सिंह भौतिकी विज्ञान संस्थान के आर्यभट्ट सभागार दो दिवसीय अंतरराष्ट्रीय सम्मेलन की शुरुआत हुई। सम्मेलन में इलेक्ट्रिकल, इलेक्ट्रॉनिक्स एवं कंप्यूटर विज्ञान इंजीनियरिंग के नव प्रवृत्तियों पर विद्वानों ने गंभीर चर्चा की। यह सम्मेलन पीईएस कॉलेज ऑफ इंजीनियरिंग मांड्या कर्नाटका, आईएफआईआरपी चेन्नई एवं वीर बहादुर सिंह पूर्वांचल विश्वविद्यालय के संयुक्त तत्वाधान में आयोजित किया जा रहा है।

अंतरराष्ट्रीय सेमिनार को सम्बोधित करते मुख्य अतिथि।

उद्घाटन सत्र के बतौर मुख्य अतिथि भारत संचार निगम लिमिटेड के पूर्व सीएमडी आरके उपाध्याय ने कहा कि इंटरनेट तकनीकी से व्यवसाय और कारपोरेट सेक्टर से तेजी से बदलाव हुआ है। आज हम उस दौर से गुजर रहे हैं जिसमें तकनीकी तेजी से परिवर्तित हो रही है, डेटा क्रांति का दौर है। आज स्मार्ट फोन का प्रचलन बढ़ रहा है और इन्टरनेट ऑफ थिंग्स और आर्टिफीसियल इंटेलिजेंस का प्रयोग तेजी से बढ़ रहा है। इससे शिक्षा, मेडिकल तथा व्यापार के क्षेत्र में दक्षता और बढ़ोत्तरी होने के साथ जीवन स्तर में सुधार हुआ है। बतौर विशिष्ट अतिथि विश्वविद्यालय के पूर्व कुलपति एवं अवधेश प्रताप सिंह विश्वविद्यालय रीवा के कुलपति प्रोफेसर पीयूष रंजन अग्रवाल ने कहा कि आज तकनीकी ने आम आदमी को लाभान्वित किया है। इसी क्रम में एसपीए एसपीआईई लखनऊ के अनिल कुमार ने कहा कि यह सम्मेलन विद्यार्थियों को इंजीनियरिंग के विविध आयामों से परिचित करायेगा। बतौर विशिष्ट अतिथि पीईएस कॉलेज ऑफ इंजीनियरिंग मांड्या कर्नाटका के प्रो.

राधा कृष्णन राव ने कहा कि इलेक्ट्रिकल, इलेक्ट्रॉनिक्स एवं कंप्यूटर विज्ञान इंजीनियरिंग के क्षेत्र में तेजी से विकास हो रहा है पूर्वांचल में इस विषय पर हुई चर्चा का दूरगामी परिणाम होगा।

सम्मेलन की अध्यक्षता पीयू के कुलपति प्रोफेसर डॉ. राजाराम यादव ने की। सम्मेलन के चेयरमैन प्रो. बीबी तिवारी ने संगोष्ठी के विषय पर प्रकाश डाला। डीन प्रो. एके श्रीवास्तव ने संस्थान की विकास यात्रा पर प्रकाश डाला। डा. संदीप सिंह, डा. राजकुमार सोनी एवं डा. संतोष कुमार अतिथियों संक्षिप्त परिचय प्रस्तुत किया। अतिथियों को स्मृति चिन्ह देकर सम्मानित किया गया। कार्यक्रम में स्मारिका का विमोचन अतिथियों ने किया। संचालन डॉ. रजनीश भास्कर ने किया। धन्यवाद ज्ञापन डा. रवि प्रकाश सिंह ने किया। इस अवसर कुलसचिव सुजीत कुमार जायसवाल, वित्त अधिकारी एमके सिंह, परीक्षा नियंत्रक बीएन सिंह, प्रो. हरि प्रकाश, प्रो. रंजना प्रकाश, प्रो. एलएन हाजरा, कमला सिंह, प्रो. गोपाल हेगड़े, प्रो. श्री निवास, प्रो. जीसी नंदी, प्रो. जगदीश राय, प्रो. पीसी श्रीकांत, डा. एम एल अनिथा समेत तमाम लोग उपस्थित रहे।

सांस्कृतिक संध्या में मनीष-ऋच्चा ने कथक से बांधा समा

पीयू
जौनपुर | वरिष्ठ संवाददाता

तीन बहादुर सिंह पूर्वांचल विश्वविद्यालय के वीरेंद्र सिंह रज्जू भैया विज्ञान संस्थान में शुक्रवार की देर शाम सांस्कृतिक संध्या में दुबली ओर ऋच्चा ने जमी कोना की के मन में छाप छोड़ दिया।

वीर के सांस्कृतिक संध्या में कथक-नृत्य प्रस्तुत करते कलाकार। • हिन्दुस्तान

पीयू में अंतरराष्ट्रीय सम्मेलन, विशेषज्ञों ने कहा, लिथियम आयन बैटरी के प्रयोग से बढ़ेगी क्षमता

इंजीनियरिंग के विविध आयामों पर मंथन

सेमिनार
जौनपुर | वरिष्ठ संवाददाता

वीर बहादुर सिंह पूर्वांचल विश्वविद्यालय में शनिवार को इलेक्ट्रिकल, इलेक्ट्रॉनिक्स एवं कंप्यूटर विज्ञान इंजीनियरिंग के नव प्रचलनों विषयक दो दिवसीय अंतरराष्ट्रीय सम्मेलन के अंतिम दिन विशेषज्ञों ने इंजीनियरिंग के विविध आयामों पर चर्चा की।

डॉ. जीपी नदी को स्मृति चिह्न देतीं डॉ. रजन प्रभात। • हिन्दुस्तान

स्वर्ण पदक जीतने वाले सम्मानित

जौनपुर: राज्य स्तरीय आदर्श एमएलटी का सम्मानित किया।

देश में ढाई करोड़ से अधिक इलेक्ट्रानिक वाहन

बोले विशेषज्ञ: छह सौ ईसा पूर्व आया था अणु सिद्धांत, पांचवीं सदी में आर्यभट्ट ने बताई पृथ्वी की परिधि

जौनपुर। वीर बहादुर सिंह पूर्वांचल विश्वविद्यालय के राजेंद्र सिंह (रज्जू भैया) भौतिकी विज्ञान संस्थान के आर्यभट्ट सभाधार में चल रहे इलेक्ट्रिकल, इलेक्ट्रॉनिक्स एवं कंप्यूटर विज्ञान इंजीनियरिंग के नव प्रचलनों विषयक दो दिवसीय अंतरराष्ट्रीय सम्मेलन का शनिवार को समापन हुआ। अंतिम दिन विशेष व्याख्यान हुए। विशेषज्ञों ने इंजीनियरिंग के विविध आयामों पर पक्ष रखा।

आईआईटी कानपुर के प्रो.भीम सिंह ने कहा कि इस समय ढाई करोड़ से अधिक इलेक्ट्रॉनिक वाहन भारत में हैं। प्रतिवर्ष 50 लाख वाहन बढ़ेंगे। ई रिक्शा में लिथियम आयन बैटरी का प्रयोग किया जाएगा तो वह जल्दी चार्ज हो जाएगी और उसका एक दिन में अधिक प्रयोग किया जा सकेगा। आईआईटी रूड़की के प्रो.जगदीश

पूविवि में चल रहे दो दिवसीय अंतरराष्ट्रीय सम्मेलन का समापन

राणा ने कहा कि प्राचीन भारत में हर क्षेत्र में उच्चस्तरीय शोध हुआ है। आर्यभट्ट ने पांचवीं शताब्दी में सूर्य के चारों तरफ पृथ्वी की परिधि को बताया था, मगर हम 1771 में पैदा हुए कैपलर को इसका श्रेय देते हैं। आर्यभट्ट पहले व्यक्ति थे जिन्होंने पृथ्वी की परिधि और त्रिज्या को सटीक सही बताया था। उन्होंने शून्य का ज्ञान हमें दिया और दशमलव प्रणाली बताई। 600 ईसवी पूर्व कणाद ऋषि ने अणुसिद्धांत का प्रतिपादन किया था, लेकिन दुर्भाग्य यह है कि 12वीं शताब्दी के दार्शनिक को हम इसका श्रेय देते हैं। आईआईटी इलाहाबाद के प्रो.जॉजी त्रीने कहा कि

पूविवि के आर्यभट्ट सभाधार में दो दिवसीय अंतरराष्ट्रीय सम्मेलन के अंतिम दिन बोलते अतिथि प्रो अनिल कुमार बियाठी।

लिथियम एवं मैंगनीज लोगों के लिए रिचार्जेबल महत्वपूर्ण भूमिका निभा रहा है। इसकी बंगलोर के अमित कुमार सिंह ने कहा कि भारतीय आर्थिक प्रणाम इंजनों के जीवन के लिए बहुत महत्वपूर्ण है।

भारतीय आर्थिक विज्ञान, चंद्रभान पी, मयर आर्बिटर विपिन एवं ल्यूमन संस प्रणाम के बारे में बताया। सम्मेलन के अध्यक्ष प्रो.

सोनी तिवारी ने अतिथि का स्वागत किया। संचालन डॉ.इंजी मिश्रा ने किया। पीईएम इंजीनियरिंग कालिज भाखरा की प्रो.नूर कृष्णा ने कहा कि सम्मेलन में हुई चर्चा शोधार्थियों के लिए लाभकारी रही। समारोह सह में आलोक उपाध्याय, प्रो.आशीष तिवारिंग, प्रो.गोपाल कृष्ण हेगड़े, डा. संतोष कुमार मौजूद रहे।

Invited Talk/ Expert lecture

S.No	Date	Name of Expert	Designation	Nature of Activity

S.No	Date	Name of Expert	Designation	Nature of Activity
	Uma Nath Singh Institute of Engineering & Technology, VBS Purvanchal University Jaunpur			
	All Expert Lecture Details 2017-2020			
1	24.10.17	Mr. Sunny Sachadeva	Free Lancer TCM Allahabad	Employability Enhancement
2	28.10.17	Dr.Kripan Sharma	Trainning Head United Group of Institute Allahabad	Awareness Drive, GDs
3	07.11.17	Prof. C.K. Dwivedi	Professor Dept. Of Electro &Comm. University of Allahabad	Skill Development in Microcontroller
4	20.11.17	Prof. S.P. Tiwari	Professor IIT BHU Varanasi	Graduate Employability
5	20.11.17	Prof. V.K. Singh	Professor IED Lucknow	Graduate Employability
6	04.12.17	Prof. Hari Prakash	RETD. HOD University Of Allahabad	GATE Preparation Classes
7	10.12.17	Mr. Ashish Kanaujiya	Founder NxG Venture Allahabad	Start-up activity program
8	10.12.17	Mr. Ankit Macchar	CEO N x G Venture	Start-up activity program
9	10.12.17	Mr. Sunil Gangwar	Founder Network System Greater Kailash Road Kanpur	Start-up activity program
10	23.12.17	Mr. Ankit Macchar	Honorary CEO Nx G Venture Ahmedabad Gujarat	Entrepreneurship orientation
11	11.12.17	Dr.Amrish Pandey	Professor Dept. Of Printing Technology GJUS&T Hisar	3D Printing GJU Hisar
12	23.12.17	Ms. Kahini Seth	Mentor NxG Venture Ahmedabad Gujarat	Entrepreneurship Orientation Program
13	23.12.17	Mr. Ashish Kanaujiya	Founder NxG Venture Allahabad	Entrepreneurshhip Orientation Program
14	16.02.18	Shyam Krishna Pandey	Scientist ISTRAC ISRO Lucknow	Satellite Application And beyond
15	17.02.18	Mr. Sachidanada Sahoo	Scientist ISTRAC ISRO Lucknow	Antenna For Space Application Overview
16	17.02.18	Dr. Dinesh Kumar Mishra	Scientist ISTRAC ISRO Lucknow	Indian Deep Space Mission Chandrayan-1,ISRO Telemetry Tracking and command Network
17	26.02.18	Prof. L.N. Hazara	Emeritus Professor , Applied optics & photonics dept., University of Calcutta	Optical Metrology
18	26.02.18	Prof. V.A.Tabhane	Professor ,University of Pune, Maharastra	Glimpses of Physics
19	25.02.18	Mr. Madan Ji	Assistant Manager , Allahabad	Training and Lab Experiments

		Mishra		
20	23.02.18	Prof. P.K. Mishra	Professor, Pune Maharastra	Science and Sprituality
21	09.03.18	Prof. Hari Prakash	Retired Professor dept. Of Physics University of Allahabad	Motivational discussion regarding quality teaching & Learning
22	31.03.18	Mr. Madanji Mishra	Assistant Manager , Allahabad	Training and Lab Experiment
23	22.04.18	Prof. Chndrakant Dwivedi	Professor Dept. Of Electro&comm. University of Allahabad	Training Programme of Microcontroller
24	03.08.18	Mr. Muneesh Chandra Trivedi	Associate Professor, NIT Agartala	Interaction with Teacher on research activity
25	20.08.18	Prof. AP Natrajan	Direcor Victoria Training Foundation Chennai	Positive attitude for positive performance
26	20.08.18	Dr. I. Ramchandran Reddy	Director Botany Lab, Bangalore	Motivating the fresher's to the best Technology
27	20.08.18	D. Anuradha	Sr. Manager HR, Chennai	Team Work
28	30.08.19	Dr. Praveen Prakash	Professor, Allahabad State University	Communication Skill
29	27.08.19	Mrs. Chaaya singh	Naturopathy Expert	Naturapathy and its relevance
30	20.08.19	Prof PC Patanjali	Former Vice-Chancellor VBSPU Jaunpur	Future challenge And their solution
31	28.08.19	Mrs. Vandana	Free Lancer, Communication Skill	Communication Skill
32	22.08.18	Dr.Sarvesh Kumar	Associate Professor IIST Thiruvananthapuram Kerala	Mathematics Session
33	28.08.18	Prof. R.K. Singh	Professor, KNIT Sultanpur	Engineering Ethics
34	22.08.18	Dr. Kalyan Chyakraborthy	Visiting Professor Hyderabad	Professional Development Tacts
35	22.04.18	Prof. CK dwivedi	Professor Dept. of Electro&comm. University of Allahabad	Speech on digital transformation a new industrial revolution
36	11.10.18	Prof. Satya Prakash Tripathi	Professor IIT BHU	Special lecture in recent advance in Manufactring
37	28.09.18	Dr. Navneet kr. Singh	Assistant Professor Electrical Engg. MNNIT Allahabad	Use of fuzzy logic and neural network in power system
38	20.09.18	Prof. R.C. Tripathi	Assistant Professor SRM CEM Lucknow	IPR and Plagiarism

39	20.09.18	Mr. Anil kr. Pandey	Assistant Professor Neharu Gram University, Prayagraj	IPR and Plagiarism
40	12.10.18	Prof. Vikram Singh	Professor at YMCA University Science & Technology Faridabad	Expert Talk on OBE
41	12.10.18	Mr. Lalit Rai	Assistnt Professor at YMCA University Science & Technology Faridabad	Expert Talk on OBE
42	12.10.18	Dr.MunishVishiShath	Professor at YMCA University Science & Technology Faridabad	Expert Talk on OBE
43	12.10.18	Dr.ParulTomar	Assistant Professor at YMCA University Science & Technology Faridabad	Expert Talk on OBE
44	04.02.19	Ms. Vandana Bhiwani	Free Lancer, Speaker, Haryana	Women Empowerment
45	23.01.19	Prof. Sonali Agrawal	Professor at IIT Allahabad	Expert talk on Data Management
46	04.02.19	Mrs. Chandrika R	Professor at PES College of Engg. Mandya (Dept of MBA)	Women Empowerment
47	04.02.19	Mrs. Pooja Nagpal	Professor at PES College of Engg. Mandya	Women Empowerment
48	08.02.19	Dr. P.S. Pottaswamy	Prof. & Head, PES College of Engg. Mandya	Power Electronic
49	08.02.19	Mr. B.N. Harish	Asstt. Prof. PES College of Engg. Mandya	Power Electronic
50	04.02.19	Dr. Anand M.J	Asstt. Prof PES College of Engg. Mandya	Signal System
51	04.02.19	Dr.Ravnesh M	Asstt. Prof. PES College of Engg. Mandya	Signal System
52	07.03.19	Prof. Sonali Agrawal	Professor at IIT Allahabad	Machine Learning to teachers and students
53	30.03.19	Dr. Nitin kr. Singh	Associate Professor Electrical Engg. MNNIT Allahabad	Introduction to Neural Networks using Matlab
54	27.02.19	Dr. Navneet kr. Singh	Assistant Professor Electrical Engg. MNNIT Allahabad	IEEE Activitics Energy
55	30.03.19	Mr. Niraj kr. Chaudhary	Assistant Professor Electrical Engg. MNNIT Allahabad	Introduction to Micro Grid
56	28.03.19	Dr. Amar Nath Tiwari	Professor EE Dept. MMMUT Gorakhpur	SLA Workshop as Proctor our Institute

57	28.05.19	Mr.SharathVedala	R & D Engineer, Meerpet, Telangana	Industrial Packaging Methods of Electronics Components and their availability in Market
58	29.05.19	Mr. Sagar Kirangi	Sr. Application Engg, VI Solutions, Bangalore	Circuit Capture and analyze in NI Spices Suite , Hands on circuit Capure -Multisims environment
59	28.05.19	Mr. Jeejesh Kumar V	Application Engg, VI Solutions, Bangalore	Circuit Capture and analyze in NI Spices Suite , Hands on circuit Capure -Multisims environment
60	27.05.19	Mr. Mithilesh Mishra	Professor, IIIT Allahabad	Computer Fundamental,Network Challenges
61	06.06.19	Mr. P Mohan Gandhi	Consultant Trainee, Hyderabad	Future Designing
62	27.05.19	Mr. Sayed Abdul Rauf Magrabi	Robotics Trainer, Dbeerpura, Hyderabad	Industrial Packaging Methods of Electronics Components and their availability in Market
63	25.06.19	Mr. Neeraj Kumar Srivastava	Assistant Professor United Inst. NainiPrayagra	Computer Skill in C/C++
64	01.07.19	Mr. Chetan HR	Assistant Professor EE Dept. PES College of Mandya	P Spice
65	10.06.19	Mr. PingnaganPranavam	Director Botany Lab, Bangalore	Trends and need for additive Manufactureing
66	27.05.19	Mr. Suraj Parhi	Project Coordinator, D B School Ranchi	Designing own CNC and making the body of it
67	01.07.19	Mr. Mahesh Kumar	Assistat Professor EE Dept. PES College of Mandya	P Spice
68	18.06.19	Dr. Brijesh Kumar Bhardwaz	Associater Professor, Dr. RML Awadh University, TEQIP Institute	Computer Skill in C/C++
69	02.17.19	Dr.Shyam Prakash Singh	Assistant Professor VBSPU Jaunpur	Computer Skill in C/C++
70	02.07.19	Dr. R K Upadhyay	Former CMD BSNL, TCIL, India	Leadership
71	27.05.19	Mr. Suraj Parhi	Project Coordinator, D B School Ranchi	Robotics
72	06.06.19	Mr. Vijay Kr. Makyam	IPR Atorney, Hyderabad	IPR for startups
73	28.05.19	Mr. Uday Shanker	Professor MMM Gorakhapur University	Introduction to DBMS,DataModel,E-R Diagram
74	03.06.19	Mr. MVD Prasad	Associate Professor Telangana	Resume Writing, soft skills

75	24.06.19	Mrs. Vandana Sheoran	Free Lancer Communication Skills	Communication and soft skills
76	27.05.19	Mr. Ajay Singh	CEO Robogean Solutions Suncity	Introduction to CNC Machine
77	15.06.19	Mr. Shivanand R. Pujara	Consultant Pune	Workshop on Cloud Computing
78	18.06.19	Mrs. D Anuradha Dhara	Sr. Manager HR, Chennai	Skills to become a perfect corporate
79	18.06.19	Dr. I Ramchandran Reddy	Director Botany Lab, Bangalore	Students and Parents Counselling
80	03.06.19	Dr. Manoj Chaturvedi	Rajpurohit Vidisha	Interview Skill/Life Skill
81	18.06.19	Mrs. Chhaya Singh	Naturopathy Expert	Program on Naturopathy
82	03.16.19	Mr. Parick Anthony	Assistat Professor Dept. of Commerce OU Telangana	Personality Development for successful professional and personal life ahead
83	04.06.19	Dr.Pasumala Sai Kishore	Assistat Professor, ESCI, Hyderabad	Presentation Skill for student startups
84	07.07.19	Dr. Gopal Krishna M Hegde	Professor at Nanotechnology, IISc, Banglore	Introduction to Nanophotonics
85	10.07.19	Dr. Raj Kumar	Scientist at Advance PohotonicsDivision , CSIR-CSIO Chandigarh	Principles and applications of holography
86	10.07.19	Dr. Devendra Mohan	Professor ,at GJUS & T Hisar	Nonlinearity in fiber optics
87	06.07.19	Dr. Ajay Shanker	Associate Professor at GJUS & T Hisar	Optical Metrology -1
88	08.07.19	Dr.Talabattulah Srinivas	Associate Professor at Dept. Of ECE, Applied Photonic Lab IISc, Bangalore	Micro-Opto-Electro-Mechanical Systems
89	11.07.19	Dr. Vipul Rastogi	Professor at IITRoorki(Dept. Of Physics)	FiberOpics
90	14.07.19	Prof. P C Srikanth	Professor at ECE Department, Hassan	Photonics Bandgap Sensors and its application
91	13.07.19	Dr. DN Nagalaxmi	HOD Transfusion medicine, Hassan Indstitute of Medical Science	Nanomedicine
92	17.06.19	Mr. GK Upadhyay	Ex Member Telecom Dept. Gaziabad	Computer Skill in C/C++
93	18.06.19	Mrs Ekta Pandey	Naturopathy Staff	Naturapathy and its relevance
94	03.06.19	Sai Prasanna	Associate Professor, Hyderabad	Interview Skill/Life Skill

		Maddalla		
95	18.06.19	Mrs. Maya Singh	Naturopathy Staff	Naturapathy and its relevance
96	18.06.19	Mr. Pradeep Kashyap	Naturopathy Staff	Naturapathy and its relevance
97	17.06.19	Dr. A P Natrajan	Direcor Victoria Training Foundation Chennai	Positive attitude for positive performance
98	01.06.19	Mr. Vishwanath Tammanna	Freelancer	Different way of programming using ADC UART 0/1 & LCD
99	01.06.19	Mr. Arun Kr. S	Sr. Automation Engg.	How to make yourself fit for a company
100	31.08.19	Mr. Muneeshchandra Tiwari	Associate Professir NIT Agartala	Interaction with teacher & Student on Cyber and Internet Security
101	20.08.19	Prof. PC Patanjali	Former Vice-Chancellor VBSPU Jaunpur	On Future challenge And their solution
102	22.08.19	Dr. Ravi Shankar Singh	Associate Professor, IIT BHU, Allumni	Interaction with students
103	27.08.19	Mr. Shree Bhagwan	Yoga Skill Expert	Session on importance of yog in life
104	24.08.19	Prof. Rakesh Kr. Upadhyay	Prof. at IIT, BHU	Session on environment
105	22.08.19	Ms. Nandini N	Associate Professor, Dept of CS AIT Bangalore, TEQIP Institution	Human Value And Ethics
106	22.08.19	Ms. Nagaveni V	Associate Professor, Dept. Of CS , Acharya Institute of Technology , Banglore	Educational Value and Ethics
107	25.08.19	Ms. Ashima Singh	Asst. Professor , Amity University, Noida	Expert Lecture on Induction Program
108	30.08.19	Prf. Arun Kumar Singh	Principal , Dept. Of Philosophy, TD College, Jaunpur	Student Philosophy
109	27.08.19	Ms. Chhaya Singh	Naturopathy Expert	Naturapathy and its relevance
110	30.08.19	Dr. Amit Tyagi	Professor IIT BHU	Nanotechnology
111	16.08.19	Mrs. Annu Tyagi	Proficiency Expert, Asst. Prof. Pshycology	Session on proficiency english speaks
112	02.09.19	Mr. Rahul Bajpai	Manager Norton Grinder, Saint Gobain, Gurugram	Time Management
113	05.09.19	Mr. Sandeep Kumar Singh	Sr. Manager , Tech Mahindra , Mumbai	Industrial Exposure

114	28.08.19	Mrs. Vandana	Freelancer	Communication Skills
115	19.08.19	Mr. Shekhar Mishra	English Trainer	Session on proficiency english speaks
116	02.09.19	Mr. AnimeshBisaria	Sr. Vice President , International Sales Integra Micro, Bangalore	On soft Skill and Preparing for Future
117	04.09.19	Mrs. Vibha Tripathi	Sr. Faculty Institute of Entrepreneurship Devcelopment, Lucknow	Entrepreneurship
118	08.09.19	Mr. Kaushik Kapoori	Art of Living faculty Bangalore	SELP Program
119	16.08.19	Mr. Jay P. Singh	Proficiency and English Speaking Expert	Session on proficiency english speaks
120	01.09.19	Ms. Vandana Awsthy	Art of Living faculty Kolkatta	SELP Program
121	16.08.19	Ms. Shubra Mal	Free Lancer Musician	Music Session
122	05.09.19	Mrs. Suman TD	Mentor Institute , Faculty, Mandya , TEQIP Institute	Proficiency Session / Literacy Session
123	31.08.19	Dr.Munesh Chandra Trivedi	Associate Professor, NIT Agartala	Art of Teaching and Learning Process for faculties
124	30.08.19	Mr. Jaswant Singh	Session by Dr, Jaswant Singh , Prof. Awadh University, Faizabad	My life and Survival at Poles
125	03.09.19	Mrs. Pooja Nagpal	Professor at PES College of Engg. Mandya	Proficiency Session / Literacy Session
126	30.08.19	Prof. Praveen Prakash	Professor, Allahabad State University	Communication Skill
127	05.09.19	Dr.Sarvesh Kumar	Associate Professor IIST Thiruvananthapuram Kerala	Mathematics Session
128	25.09.19	Mr. Kaushal Grewal	Art of Living faculty Banglore	SLEP Program
129	04.09.19	Ms. Anita Sinha	PES College Of Mandya	Start-Up on Induction Programe
130	02.09.19	Mrs.Anupam Saxena	Psychology Trainer	Precidency school and Mental Health
131	17.08.19	Anamika Mishra	Music Teacher	Induction Programe on Music
132	14.09.19	Mr. Karan Singh	Asst. Prof. JNU New Delhi	Post Quantum Cryptography
133	14.09.19	Dr. Anil kr. Yadav	Examination Controller CSJM Kanpur	Error correction course on DNA based data storage
134	16.09.19	Mohd. Javed	Asst. Prof. IIIT Allahabad	AI based approaches for image forensics

135	16.09.19	Prof. G.P. Sahoo	Professor BHU Varanasi	Metamorphic cryptography new method of security
136	15.09.19	Dr. Dinesh Singh	Asst. Prof. MNNIT Allahabad	Cryptography and network security
137	13.09.19	Mr. Sunder Lal	Ex. Vice Chancellor VBSPU Jaunpur	Crptography in Cyber Security
138	06.09.19	Dr. Urmila Rani	Associate Professor, BHU	Research Methodology
139	06.09.19	Mrs. Shamini Srivastava	Assistant Professor FG College Raebareli	Research Methodology
140	06.11.19	Dr.Dherendra Chaudhari	Assistant Professor at VBSPU	Renewable Energy
141	06.11.19	Dr. VR Komma	Associte Professor at MNNIT Allahabad	Composite Materials
142	10.11.19	Dr. K.N. Pandey	Professor at MNNIT Allahabad	Computational Mechanics
143	06.11.19	Dr. Sandeep Kumar	Professor At IIT BHU	CAD/CAM
144	08.11.19	Dr. Akhilesh Kumar Chauhan	Associte Professor at KNIT Sultanpur	Recent Advances in casting process
145	09.11.19	Dr. Satya Prakash Tiwari	Professor At IIT BHU	Application of AI Machine learning in Mechanical Engineering
146	06.11.19	Mr. Sanjay Kr. Singh	Professor At IIT BHU	MATLAB
147	08.11.19	Dr. Hari Darshan Ram	Ret. Professor KNIT Sultanpur	Application of signal processing
148	05.12.19	Dr.VA.Tabhane	Professor at Pune University	Integrity in Research
149	06.09.19	Dr. Purnima Awasthi	Associate Professor Dept. Psychology BHU	Research Methodology
150	06.09.19	Dr. Suresh Kr. Sharma	Professor, IIT BHU	Research Methodology
151	06.01.20	Dr. K A Radhakrishna	Prof. & Head E&C Engg. PES College of Mandya	On Digital signal processing
152	06.01.20	Dr. Punit Kr. MB	Associate Professor in E & C Engg. PES College of Mandya	On Digital signal processing
153	13.01.20	D. Mahesh K. Kaluti	Associate Professor PES College of Mandya	Critical subject teaching Artificial intelligence
154	13.01.20	Dr. Umesh DR	Associate Professor PES College of Mandya	Critical subject teaching Artificial intelligence

Science Day Celebration

Science Day is celebrated in the Country commemorating the day of discovery the "RAMAN EFFECT" on Feb. 28, 1928. All through the years we have celebrated Science Day spanning over two days each year. With the TEQIP grant available in hand, Science Day is celebrated in the big way in the University. The event is celebrated with number of activities for the Students. Rangoli Competition, Science Quiz, Poster & Extempore Competition on National Science Day and Science Exhibition on the same theme in which all of the Students participated.

The best performance in each activity is suitably awarded.Every year we bring a Souvenir. In addition experts talk on relevant subject isorganised for the benefit and inspiration of students and teachers. In year 2018, Prof. Laxmi Narayan Hazra an emeritus Professor of Applied Optics & Photonics, University of Culcutta; Prof. V A Tabhaney, DSc University of Pune and Dr. P K Mishra, former GM ONGCDehradun gave experts talk in their Specialisation. In 2018 Science Day was celebrating in advance on 26& 27 Feb. 2018.

In year 2019, all those events were again organised by Students and Souvenir was brought. Expert'stalks were delivered by Shri K N Pandey DRDO Kanpur, Dr. V A Tabhaney and Dr. Kailash from Hamirpur.

In year 2020, a Celebration was again organised in which together with the activity for the Students, Experts talk were given by Prof. Hari Prakash and Prof. Ranjana Prakash both from the University of Allhabad, Allahabad.

Engineer's Day Celebration

Engineer's Day is celebrated on Spt. 15 every year in the Country to commemorating the birth of Bharat Ratna Sir Mokshagundam Visvesvaraya. We celebrate this day every year in the University for the Inspiration to build our engineers. All the events for Students are centred upon the theme of the Engineer's day that year.

In 2018 Engineer's Day was celebrated in which Students participated very enthusiastically. Prof. Shekhar Verma from IIIT Allahabad and Prof. Rajeev Tripathi, Director MNNIT Allahabad delivered their lectures which were very enthusiastically attended by students and faculty in SanghostiBhavan.In year 2019 our eminent guests were Shri R K Upadhyay Former CMD BSNL India, Prof. Arvind Kulkarni from Dharwad and Shri Girish Narayan

Pandey, former Principle Chief Commissioner Income -Tax. Hon'ble Vice Chancellor Prof. Raja Ram Yadav also graced the occasion.

Twinning Programme Activities

A good Mentor, in Twinning Arrangements, is a 'critical friend' to an institution. Someone who is committed to supporting both the needs of those institutions to which they have been assigned, as well as the needs of the TEQIP project overall. Mentors are principal project representatives and 'agents of change' who keep up to date with initiatives and developments related to the institution and the project as a whole. Mentors listen, understand, guide and advise - principally to support and assist institutions to stay focused on the goals and targets set by the institution in their Institutional Development Proposal and any institution strategic plan. A good Mentor feeds back and explains to institutions what they find (good and bad practices) and bases their feedback on sound evidence. A good Mentor tries to leave an institution better than they found it. Some of the suggested activities under the scope of the project are, Improvement in Teaching, Learning and Research competence, Improve student learning, Student employability, Increasing faculty productivity and motivation. In total, Establishing a twinning system between Mentor and Mentee Institutes for overall academic interaction between the institutions.

Few Aspects under Twinning programme shall include, Implementation of curricular reforms, Exercise academic, administrative, financial and managerial autonomies and accountabilities, Improve student performance and evaluation, Obtaining accreditation of eligible undergraduate and postgraduate programmes.

- ➢ **Three days TEQIP-III initiative program**washeld at Noida, New Delhi from 21 to 22 July 2017.The NPIU had organized the program for Focusand Non focus states. Participants were introduced to the new NPIU team and World Bank coordinator.MOU between the Mentee and Mentor instituteshas been signed and handed over to the NPIU. An introduction program on PFMS activities was alsodone during the program. Presentation by Academic team, Financial Management team and procurement team was given to the participants.

Faculty / Staff	• Dr. V. Sridhar
• **Prof. B B Tiwari**	Principal PESCE Mandya
Dean FoET, VBSPU Jaunpur	• **Dr. H V Ravindra**
• **Dr. Rajnish Bhasker**	Vice Principal PESCE Mandya
Head, EED, VBSPU Jaunpur	• **K Ravi**

	Assistant Nodal Officer Procurement
Details of Academic Activity	Twinning Programme - MOU with mentor PESCE Mandya
Date & Place	21 to 22 July 2017, NPIU Noida

➢ **Mentors Visited to UNSIET, Jaunpu**r: The team of Professors from PESCE, Mandya visited UNSIET, Jaunpur on Aug 21st and 22nd 2017. The purpose of the visit was to do a SWOT analysis of thementee institute. A detailed report on SWOT of each department of the mentee institute was prepared as the outcome of this visit. Presentation about the Institute was made by the Director, Presentation about the programmes by all HOD's of The Department. Presentation about the PESCE, Mandya, Departmental Visit, Interaction with Department faculty members was also made by professors of PESCE. Various aspects were discussed and shared in length in academic interest.During Departmental Visit, Interaction with Technical staff membersalso carried out. Final meeting with HOD's to prepare documents and Exit meeting with the Director was heldsuccessfully.

Faculty / Staff	**Dr. H V Ravindra** Vice Principal PESCE Mandya ⬛**Dr. K V Radhakrishna Rao** Prof. &HoD Dept. of E&C Engg ⬛**Dr. S S Parthasarathy** Prof. &HoD Dept. of E&C Engg ⬛**Dr. Vinay S** Asst. Prof Dept. of CS&E Engg
Type of Academic Activity	Twinning Programme
Details of Academic Activity	Mentoring Programme - Visit to Uma Nath Institute
Date & Place	20 to 23 August 2017, Institute UmaNath Singh IET, Jaunpur UP

➢ **Team of UNSIET visited PESCE Mandya**:The team of Faculties from UNSIET, Jaunpur visited PESCE, Mandya on 21st to 24th Sept 2017. The purpose of the visit was to have Interaction with Mentor institute and its programmes. Presentation about the Institutes (Mentee and Mentor) were made. Presentation about the respective

programmesweremade by respective Professor and HOD's of The Department. Departmental Visit, Interaction with Department faculty members, Deans and Placement Officer also carried out effectively.Various aspects were discussed and shared in length in academic interest. During Departmental Visit, Interaction withTechnical staff members also carried out. Final meeting with HOD's to prepare documents and Exit meeting with the Directorwas held effectively.

Faculty / Staff *Uma Nath Singh* *Institute & Technology,* *Jaunpur,* *Varanasi, Uttar* *Pradesh*	**Prof. B.B Tiwari,** Dean, TEQIP Co-ordinator **Prof. Rajnish Bhaskar,** Assoc. Prof., Dept. of EE Engg. **Prof. Sanjiv Gangwar** Asstt. Prof., Dept. of CSE. **Mr. M K Singh** Finance Officer
Details of Academic Activity	Twinning Programme - Interaction of MENTEE institute with Mentor institute
Date & Place	21st to 24th Sept 2017, PESCE Mandya, Karnataka

➢ **Industry oriented Hardware design workshop:**
  Outcome achieved (Both performance enhancement & Fund generation)
- Workshop has exposed students to the modern tool usage.
- Students were able to design and simulate analog circuits using EDA tools.
- Students were able to follow principles/steps involved in PCB design flow.
- Students were familiarized different communication interfaces and their working principles using simulation tool and practical experimentation.
- Training has motivated certain students to take up mini projects on embedded system Design.

The Objectives are:
- Enabling the students to use different EDA tool.
- Enhancing technical skills.
- Introducing the students with the working principles of basic interfaces used for communication in computers.
- Creating awareness among the students on PCB design flow.
- Able to realize the basic steps involved in the hardware design (Part selection and Bill of material).
- Endorse to design small analog circuits for industrial perspective.
- Encourage the students to do some mini project.Challenges faced were:
- Identifying suitable trainer.

- Matching the time table of two institutes.
- Arranging back up supply.

Department	E&C Engineering
Type of Academic Activity	Industrial oriented Hardware
Details of Academic Activity	Application of MATLAB & PLC in Electrical and Electronics Engineering
Date & Place	5th to 12th Jan 2018, PESCE Mandya

> **Faculty Development program at Mandya.**

A one week faculty development programme on "**Applications of MATLAB & PLC on Electrical &ElectronicsEngineering**" under TEQIP, Phase-III was held at the Department of Electrical & Electronics Engineering of PES COLLEGE OF ENGINEERING, Mandya, from 06th January to 10th January,2018.The FDP aims to provide opportunities to UMA NATH SINGH INSTITUTE OF ENGINEERING & TECHNOLOGY, Uttar Pradesh and to our college faculty members to enrich their teaching skill and research in the field of MATLAB, SIMULINK, Programmable Logic Controllers and SCADA (Supervisory Control and Data Acquisition). The Programme also intends to develop the knowledge of participants for simulation with matlab& plc ladder software's in the relevant field for inculcating learning values in students and guiding and monitoring their progress. The FDP include Participation by 28 participants from faculty members of which four faculties from UMA NATH SINGH INSTITUTE OF ENGINEERING & TECHNOLOGY, Uttar Pradesh, twelve faculties from host Department and twelve from other Departments (ECE, CSE,IS).

Department	E&E Engineering
Type of Academic Activity	Twinning Programme
Details of Academic Activity	design workshop
Date & Place	6th to 10th Jan 2018, PESCE Mandya

The Objectives of FDP are:
- To familiarize the faculty in introducing and exploring MATLAB & PLC
- To enable the faculty on how to approach for Solving Engineering problems using simulation tools.
- To provide a foundation in use of this software's for real time applications.

The Outcome of the FDP are:
- Ability to express programming & simulation for engineering problems.
- Ability to find importance of this software for Lab Experimentation.
- Ability to write basic Mathematical, Electrical, Electronic Problems in MATLAB.
- Ability to impart PLC logic ladder diagram related to Electrical Engineering.

➢ **Workshop at Mandya:**

Department of Computer Science and Engineering conducted 5 day workshop on "Internet of Things using NodeMCU and Raspberry-Pi" from Jan 27th – Jan 31st 2018. Internet of Things is a network of networks embedded with computer programs, electronic system and sensors which make sense of data within machines. It is a computing concept in which everyday objects have network connectivity. Every ordinary device can communicate with each other. IOT is an industry which predicts more than 50 billion of devices Connected over internet with multi- trillion dollar of revenue generation.

Department	Computer Science Engg
Type of Academic Activity	Twinning Programme
Details of Academic Activity	Internet of Things using Node MCU and Raspberry-Pi
Date & Place	27th to 31th Jan 2018, PESCE Mandya

The objectives of the workshop are:
- Give students the confidence to build their own products
- Provide introduction to Internet of Things (IoT)
- Enable students to convert their product idea into a working prototype
- The participants will get hands on exposure to development boards Raspberry Pi and NodeMCU.

The Outcomes of workshop are:
- Basic setup, installations and connection of Raspberry Pi and NodeMCU
- Interfacing components with the GPIOs
- Reading sensor values into and controlling things from Raspberry Pi and NodeMCU
- Usage of various tools and software required for programming NodeMCU and Raspberry Pi.

➢ **Workshop at Mandya:**

The TEQIP-III sponsored one week workshop on Computer Aided Engineering Drawing (CAED) was conducted in the department of mechanical engineering, PES College of

Engineering, Mandya from 6th to 10th Jan. 2018. The workshop was conducted for the teaching staff of the Department of MechanicalEngineering, Uma Nath Singh Institute of Engineering and Technology, Jaunpur, UP as a part of twinning program. Totally 30 teaching and technical staff members, 4 faculty members from UNSIET and 18 teaching staff and 8 technical staff members from Mechanical Engineering Department of PESCE, attended the workshop.The inauguration of the workshop followed by the registration of the candidates was held on 06.01.2018 at 9.30 AM to 11.00 AM. Dr. T. Nagaraju, HOD and Program Coordinator presided over the function and Prof. B. Dinesh Prabhu, Nodal Officer (Academic), TEQIP-III was the chief guest and Dr. S L Ajit Prasad, Dean Research and RudreshAddamani, Workshop Superintendent were the distinguished guests of the program. After the inauguration of the workshop, the various sessions were conducted by the expertise of the department. Dr. T. Nagaraju, head and coordinator of workshop delivered the lecture on introduction to Solidedge CAD software by simultaneously providing hands on training about the various commands of Solidedge software. Mr. Devaraju, Asst. Instructor was accompanied for the hands on training. Hands on training on projection of points using Solidedge software was provided after theory session of orthographic projection of points. Similarly, lab sessions for the hands on trainings were conducted after theory sessions of each topics related to CAED. The participants gained both theoretical and computer knowledge of the CAED. The participants were also exposed to the assembly drawing of various mechanical parts using both Solidedge and solidworks software.

Department	Mechanical Engineering
Type of Academic Activity	Twinning Programme
Details of Academic Activity	Computer Aided Engineering
Date & Place	6th to 10th Jan 2018, PESCE Mandya

- **Induction Program for First Year Students of UNSIET**Jaunpur was organized from 16th to 19th Jan 2018,UNSIET at Varanasi, UP, When new students enter an institution, they come with diverse thoughts, backgrounds and preparations. It is important to help them adjust to the new environment and inculcate in them the ethos of the institution with a sense of larger purpose. Precious little is done by most of the institutions, except for an orientation program lasting a couple of days. Three-days long induction program was carried for first year UG students under the coordinatorship of Dr.V.Sridhar, Principal, PESCE, Mandya and his team.. The purpose is to make the students feel comfortable in their new environment, open them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students, develop awareness, sensitivity and understanding of the self, people around them, society at large, and nature. The time during the Induction Program was also used to rectify some critical lacunas, for example, English background-for those students who have deficiency in it, clarity and prospectus about various programmes etc.

Faculty / Staff	▢Dr. V. Sridhar
	Principal PESCE Mandya
	▢Dr. S L Ajit Prasad
	Vice Principal PESCE Mandya
	▢Dr. Puttaswamy. P S
	Dean (Academic)
	▢Dr. R Girisha
	Training &Placement Officer
Type of Academic Activity	Twinning Programme
Details of Academic Activity	Induction Program for 1Year Students of UNSIET Varanasi, UP
Date & Place	16 to 19 Jan 2018, UNSIET Varanasi,UP

- ➤ **The Work Shop on OBE & NBA-Accreditation***i*s a fragment of Twinning Programme. The Programmewas well organized, series of meetingswith faculty members during the workshop was carriedout. During the visit, in addition to steering out the WorkShop on OBE & NBA-Accreditation, Prof. Dr. H. V.Ravindra, Vice Principal & TEQIP Coordinator ofPESCE, Mandya, had meetings with the Vice Chancellorof VBSPU, OSD of SPIU (UP) representativeMs. Shewta Bhatnagar, faculty members andDeans. All the members of Mentee institute weregenuinely supportive of the pursuit of Work Shop on OBE and NBA-accreditation.Issues addressed during this visit focused on the –

- Concerns outlined for preparations aimed at applying for NBA-Accreditation which include Pre qualifier and preparation to Submit the Self-Assessment Report (SAR).

- Meetings with the Vice chancellor of VBSPU, OSD of SPIU (UP) representative Ms. Shweta Bhatnagar, faculty members and Deans, Interaction with the TEQIP coordinator and concerned workforces regarding Procurement of various paraphernalia under TEQIP-3.

- Knowledge about –1) Overview of NBA-accreditation, 2)Washington accord, 3) Bloom's Taxonomy, 4) Outcome Based Education (OBE), 5) Formulation of the course syllabus as per OBE format for each programe- through hands on training.

Faculty / Staff	Dr. H V Ravindra
	Vice Principal PESCE Mandya
	▢▢Prof. B. Dinesh Prabhu
	Nodal Officer - Academic
	▢▢Dr. N L. Murali Krishna
	Nodal Officer- Procurement

	⬜⬜**Prof. V R Devadath** Asst. Prof. Dept. of ME Engg ⬜⬜**Mr. K Ravi** Assistant Nodal Officer
Type of Academic Activity	Twinning Programme
Details of Academic Activity	Outcome Based Education and NBA Workshop at mentee Institute Uma Nath Singh Institute & Technology, Jaunpur, Uttar Pradesh
Date & Place	10 to 13 March 2018, UNSIET, Jaunpur.

> **Advanced Mechanical Engineering lab Practice** conducted for 4th semester mechanicalengineering students of Umanath Singh Instituteof Engineering and Technology, Jaunpur, U.P. from 25/06/2018 to 30/06/2018.The aim of this training program is to provide acomprehensive theoretical information aboutrecent trends in mechanical engineering and toprovide hands on training on latest instrumentsused in Surface roughness measurement, Fatiguemeasurement, Vibration testing besides Solidmodeling, Machine Vision and CNC machine.

Outcome of Training Program: Students were able to explain experimental procedure of Surface roughness measuring instrument, experimentalprocedure of Fatigue measuring instrument, experimental procedure of Vibration measuring instrument,Create solid models using Solid edge software and Explainworking principle of CNC machine.First session Gurupavan H R, Asst. Professor delivered lecture onfundamentals of Metrology In the sessionRakshith Gowda D.S. Asst. Professor,gave a talk on basic principles ofMeasurements. After lunch, students wereexposed to different instruments inmetrology and measurement

laboratoryand conducted experiments. In the firstsession Dr. AjitPrasad.S.L, Professordelivered lecture on Introduction to Fatigue.Followed by Chethan Y.D. Asst. Professor,MIT, Mysore discussed on basic principlesof Machine Vision. In next session students were introduced to fatigue measurement and machine vision laboratory. A lecture on Surface roughness was delivered by Dr. H P Raju, Professor and Dr. N.L. Murali Krishna, Professor, gave a talk on Advanced Metrology**.** In the first session Channegowda M S. Asst. Professor delivered lecture on IC engines and its performance. In the Ranjith K. Asst. Professor, gave atalk on fundamentals of vibration. After lunch students conducted experiments in automobile, engineeringlab and they also conducted experimezts in vibration lab. In the afternoon session students conductedexperiments on Surface roughness measuring instrument and various instruments in Advanced Metrology Lab. session Prof Devadath V R introduced solid modeling followed by introduction to CNC in the Students gave feedback in the afternoon session before valedictory function. Certificates were distributed to students by Co-ordinatorDr.N.L.MuraliKrishna, Professor, I & P Engineering Department.

Details of Academic Activity	Work shop on Advanced Mechanical Engineering Lab
Type of Academic Activity	Twinning Programme
Department	Department of Mechanical Engineering
Date & Place	25th to 30th June 2018, PESCE Mandya, Karnataka

- **Python Programming:**held on 25th to 30th June 2018 at PESCE Mandya, Karnataka. The goal of this course is to provide an introduction to Python. The course will discuss topics necessary for the participant to be able to create and execute Python programs.

  Prerequisites: Experience with a high-level language (C/C++/Java) is suggested.

  Outcomes of the Workshop: Problem solving and programming capability enhancement in the following areas:
  - To understand why Python is a useful scripting language for developers.
  - To learn how to design and program Python applications.
  - To learn how to use lists, tuples, and dictionaries in Python programs.
  - To learn how to identify Python object types.
  - To define the structure and components of a Python program.
  - To learn how to write loops and decision statements in Python.
  - To learn how to write functions and pass arguments in Python.
  - To learn how to read and write files in Python.

- To learn how to design object oriented programs with Python classes.
- To learn how to use class inheritance in Python for reusability.
- To learn how to use exception handling in Python applications for error handling.

Details of Academic Activity	**Python Programming**
Type of Academic Activity	Twinning Programme
Department	Department of Computer Science Engineering
Date & Place	25th to 30th June 2018, PESCE Mandya, Karnataka

- ➢ **Hardware Design with CADENCE Tools"** held on 2nd to 7th July 2018, at PESCE Mandya,
- Creating interest in Electronics
- Exposing students to EDA Tools LTSpice and KiCAD
- Understanding circuit operation through simulation tools.
- Making students capable of designing simple Electronic Circuits (both analog and digital) using discrete components and IC's.
- Preparing students for technical interview of core companies in Electronics.

Execution summary:

The workshop was one among the initiative taken by the Electronics department of PESCE, Mandya as part of twining program under TEQIP-3. In which the students of UNSIET, Varanasi were invited to join a second joint workshop conducted by PESCE, Mandya for students of both institutes. This workshop was provided to 5th sem B.E students for duration of 6days spread over 36hr time. The workshop basically aimed at providing working exposure to the popular EDA tool used in analog and digital circuit design and also they were able to follow the steps/principle involved in PCB design flow. In particular students were made to work on EDA tool and design simple to complex circuits, simulate it by using simulator and verify the corresponding with their theoretical calculation. After initial class room session students spent most of the time working with tool and also We have visited two industries in order to understand the PCBA steps flow. At the end of the workshop students developed good amount of confidence in different components usage to design a system.

Details of Academic Activity	**Hardware Design with CADENCE Tools**
Type of Academic Activity	Twinning Programme
Department	Electronics & Communication Engg
Date & Place	2nd to 7th July 2018, PESCE Mandya, Karnataka

➤ **Faculty Development Programme at Mandya:**

A one week faculty development programme on **"IoT based ElectricalTechnology"** at the Department of Electrical & Electronics Engineering of PES College OF Engineering, Mandya, from 2nd July to 07th July 2018. The workshop aims to provide opportunities to students of UMA Nath Singh Institute of Engineering & Technology, Uttar Pradesh and to our college student to enrich their learning skill in the field of MATLAB, SIMULINK, LabView, IoT & embedded system. The Programme also intends to develop the knowledge of participants for simulation with MATLAB & AMP; lab view software's in the relevant field for power systems and electrical circuit simulations. The workshop attended by 24 students from UMA Nath Singh Institute of Engineering & Technology, Uttar Pradesh; 24 students from host Department.

ABOUT VIRTUAL INSTRUMENTATION
Virtual Instrumentation has revolutionized the instrumentation field by bringing in immense customizing abilities to the engineer, thereby driving down his costs and time consumption. Lab VIEW from National Instruments & MATLAB-SIMULINK were always remained a forerunner in this field. Lab VIEW is a graphical programming environment used to develop complex measurement, test, and control systems using graphical icons and wires that resemble a flowchart. It offers unparalleled integration with numerous hardware devices and provides a large number of built-in libraries for advanced analysis and data visualization – all for creating virtual instrumentation. Realizing the potential of Lab VIEW, with its experience across multiple domains like marine, oil & gas and industrial automation, training is focused on creating awareness on it, among the young engineers. This indeed is great news for all students, as it will help them take the plunge in to the domain, taking them right through to the midst of the most happening industry.

OUTCOME: All the sessions were very much informative. The discussed areas are of great benefit for the participants as the topics match with the current working domain.

Participants were enlightened with themost widely used advance technologies in this domain. This in turn will help in research activity and placement opportunity.

Details of Academic Activity	**IoT Based Electrical Technology**
Type of Academic Activity	Twinning Programme
Department	Electrical & Electronics Engg
Date & Place	2nd July to 7th July 2018, PESCE Mandya, Karnataka

➢ **Performance Audit, Mentor Audit and Procurement Activities of TEQIP-III**held on29th to 30th June 2018, PESCE Mandya.Prof. B.B Tiwari TEQIP co-ordinatorJunpur, upwith procurement officer Prof. Sanjeev Bhaskarvisited our college discuss the academic andprocurement activities for three quarters.Dr. H V Ravindra Principal & TEQIP Director,Prof. B Dinesh Prabhu, TEQIP Coordinator, Dr. NL Murali Krishna, Nodal Officer-Procurement, Dr. DR Umesh, Deputy Dean (Academic), K Ravi, Asst.Nodal Officer-Procurement and Mr. Mahesha M S,Programmer, discussed various activities to beorganized at both institutes. A dialed programmeschedule was prepared and finalized. Discussionsabout Performance Audit, Mentor Audit andProcurement Activities of TEQIP-III was carried outin length.

Details of Academic Activity	**Performance Audit, Mentor Audit and Procurement Activities of TEQIP-III**
Type of Academic Activity	Twinning Programme
Department	TEQIP Cell
Date & Place	29th to 30th June 2018, PESCE Mandya, Karnataka

Few Aspects under twinning programme shall include, Implementation of curricular reforms, Exercise academic, administrative, financial and managerial autonomies and accountabilities, Improve student performance and evaluation, obtaining accreditation of eligible undergraduate and postgraduate programmes.

> **Outcome Based Education and NBA process**:A Twinning Programme conducted on advanced training about **"Outcome Based Education and NBA process".** In continuation with the first training programme regarding writing CO's for various courses for different programs, in this 2nd training programme, advanced training on OBE and NBA Process was given**.**

Further, following Points were discussed with UNSIET, VBSPU, Jaunpur, UP on 9th and 10th October 2018 during exit meeting as a part of Twinning Programme:

Details of Academic Activity	**Outcome Based Education and NBA**
Type of Academic Activity	Twinning Programme
Faculty/Staff	⬚ Dr. H V Ravindra TEQIP Director ⬚ B. Dinesh Prabhu TEQIP-Coordinator ⬚ Dr. D R Umesh Asso. Professor ⬚ Girish Babu M C Asst. Professor
Date & Place	8th to 10th Oct 2018, Uma Nath Singh

	Institute & Technology, Jaunpur, Uttar Pradesh

- Induction programme for first year students.
- GATE enrolment and registration.
- Internship program for pre-final year and final year students.
- Developing a studio for recording MOOCs.
- C2C programmes regarding.
- To support necessary infrastructure for effective implementation of Swayam prabhaprogrammes.
- Consultancy (establishment of Centre of Excellence) and R & D initiatives.
- Research o/p, papers and patents.
- Faculty pedagogical training and practices.
- Steps to improve student graduation /transition rates.
- Innovation start-ups.
- Technical talk by industry experts under industry-institute interaction.
- From mentor institute, teaching various needy courses to mentee institutes students.
- Procurement of equipment / software and training activities.
- Placement activities and Staff exchange program (teaching/technical staff).

➢ BoG Meeting:

The first BoG meeting under TEQIP-III of mentee institute held at UNSIET, VBSPU Jaunpur UP. Honorable members actively participated and expressed their views, which witnessed by VC of the university. Mr. Surendra Singh suggested that the undergraduate Engineering students lack in general the social and life related obligatory living environments and hence an utmost requirement of learning of human behavior, culture, ethics, personality development, etc., should imbibed with normal professional learning. It well accepted by the Board and was resolved to arrange for lectures within an Off Campus for the students. After taking the note on the recently organized Induction Program for B.Tech first year students as mandated by AICTE, New Delhi, members got interested into its proceedings. Prof. Dinesh Prabhu of twinning institution asked to crosscheck the continuity of the contents of the Induction Program by the students. Prof. L N Hazra suggested creating a mechanism of follow up of Induction program from the students to make the desired changes for the upcoming programs. Respected Chairman, Shri R K Upadhyay also proposed to go for Questionnaire feedback to check the progress. Mr. AnimeshBisaria emphasized the need for continued Yoga and Art of Living activities. The Board anonymously adopted these resolutions. Prof. Hazra suggested for time-to-time faculty, staff and students feedback to strengthen the system. Mr. Shivraj Asthana emphasized on extra courses for the students as well as to go for some certificate programs/ online programs like Amazon Web Services (AWS) - Cloud Computing Services so that the students can compete in the requirement of present market.

Details of Academic Activity	Minutes of the meeting of Board of Governors
Type of Academic Activity	Twinning Programme
Faculty	B. Dinesh Prabhu TEQIP-Coordinator
Date & Place	27th Nov 2018, UNSIET Jaunpur UP

➢ **Training programme on NBA Process:**

One-week training programme on **NBA Process** was conducted, at Institute PESCE, Mandya, for faculty of our mentee institute (UNSIET, VBSPU, Jaunpur, UP) as a part of Twinning Programme during 3rd to 8th January 2019 in order to enable our mentee institute to apply for NBA accreditation.

A thorough training was given by the resource persons (faculty of PESCE, Mandya), during the scheduled exercise along with hands on training to the participants about all the Criterions as mentioned below.

Criterion-I: Vision, Mission and Programme Educational Objectives
Criterion-II: Program Curriculum and Teaching–Learning Processes
Criterion-III: Course Outcomes and Program Outcomes
Criterion-IV: Students' Performance
Criterion-V: Faculty Information and Contributions
Criterion-VI: Facilities and Technical Support
Criterion-VII: Academic support units and teaching –learning process
Criterion-VIII: Governance, institutional Support and Financial Resources
Criterion-IX: Continuous improvement.
Criterion-X: Governance, Institutional Support and Financial Resources

The participants had a rigorous training exercise and expressed satisfaction about the delivery of the contents by the resource persons. It was one of the effective and successful Twinning Programme carried out at our institute.

Details of Academic Activity	**One-week training programme on NBA Process.**
Type of Academic Activity	Twinning Programme
Faculty	UNSIET and PESCE Mandya TEQIP-III Team
Date & Place	3rd to 8th January, 2019 at Mentor Institute PESCE, Mandya

One-week training Programme on NBA Process. Dr. Ajit Prasad S L Dean Research, Issuing the Certificate to Participants.

One-week training Programme on NBA Process. Dr. K Narasimachary CEO Issuing the Certificate to Participants.

> ➤ **Remedial Classes:**

As a Part of Twinning Program between PESCE Mandya and UNSIET, Jaunpur. The following Faculties from Electrical & Electronics Engineering Department of PESCE were assigned the task of **"Teaching Critical Subject - Power Electronics"** to the third year students of UNSIET from 4th February to 9th February 2019. The main objective of this 5 day teaching session was to introduce the students to the concepts of Power Electronics, to familiarize the students with the basic concept of various semiconductor devices, their control strategies, advantages and their applications to develop various power converter circuits and to analyze them with varieties of load. On Monday 4th February 2019, Prof. Tiwari introduced the speakers to the gathering at the training hall of the university at Jaunpur. It was a pleasant inauguration of the program at 10:30 am, followed by session one which was handled by Dr.P.S.Puttaswamy with the introduction to the students about need of power electronics, its evolution, development of various semiconductor devices, ratings currently available, and their applications to develop various types of power converters. The most important semiconductor device known as thyristor. The static and dynamic characteristics of the thyristor discussed. Thyristor rating and the need of various protection circuits such discussed about the basics of ,power transistors , their constructions along with the operating characteristics, the significance of di/dt and dv/dt were also discussed in detail. Thyristors series and parallel operations, their requirement and precautionary measures taken to operate them under these conditions. Further, he had discussed the basics of discussion on single-phase AC voltage controllers such as integral cycle control and phase control. The single phase ACVC with restive and inductive loads analyzed to provide the idea to design an ACVC for their application requirement. Followed by this BNH given the

introduction, classification and their applications of choppers the different types of choppers and their control technique; are discussed in detail, addressed the students with concepts of phase controlled converts their classifications. Also carried out the detailed discussion and analysis of different types of single phase controlled converters with resistive and inductive loads. The program concluded after taking a valuable and useful feedback of few volunteers among the participants.

Details of Academic Activity	**Teaching Critical Subjects to Students of Unset-Power Electronics**
Type of AcademicActivity	Twinning Programme
Faculty	UNSIET and PESCE Mandya TEQIP-III Team
Date & Place	4th to 8th Feb 2019, Mentor Institute VBSPU. Jaunpur .

> ## Remedial Classes:
As a Part of Twinning Program between PESCEMandya and UNSIET, Jaunpur, the following Faculties from Electronics & Communication Engineering Department of PESCE were assigned the task of **"Teaching Critical Subjects to Students of UNSIT-Signals & Systems"** to the second year students of UNSIET from 4th February to 8th February 2019.

The main objective of this 5 days teaching session was to introduce the students to the concepts of Signals and Systems, Familiarize the students with the advantages of

the subjects and provide them with the knowledge of tools and systems, which can help them to analyze and appreciate the vast application of the subject.

On Monday 4th February 2019, Prof. Thivari introduced the speakers to the gathering at the training hall of the university at Jaunpur. It was a pleasant inauguration of the program at 10:30am, followed by session 1 which was handled by Mr. M.J ANAND (M.J.A) wherein he introduction the students to SIGNALS and explained the classification of signals and explained the criteria on which the signal classification can be done. It was a good interactive session where students had many opportunities to understand the most important information required to understand the subject. The students also took the opportunity to ask few questions related to GA TE exams and it addressed in the session. Mr. Revanesh M (MR) addressed the afternoon session where more emphasis given to problem solving which was helpful for most of the participants. The students were a few assignment problems to improve their knowledge and skills.

The ROC of Z-Transform and its Properties, the session also utilized to create a Classroom using Google Classroom app and students were to utilize the platform by registering to the same. Both (Mr. M.R & Mr. MJA) the faculties that helped the students again to enhance the skills solved more number of numerical all throughout the day. The session concluded by introducing the students to Block Diagram Representation of Systems using LAPLACE and Z Function.

Details of Academic Activity	**Teaching Critical Subjects to Students of UNSIET--- SIGNALS & SYSTEMS**
Type of Academic Activity	Twinning Programme
Faculty	UNSIET and PESCE Mandya TEQIP-III Team
Date & Place	4to 8Feb 2019 at Mentor Institute Mentor Institute VBSPU. Jaunpur

➢ **Empowering Women to claim the corporate ladder:**

"Empowering Women to claim the corporate ladder" on Twinning Programme at 4 to 8 Feb 2019 at Mentor Institute Mentor Institute VBSPU. Jaunpur. Women's empowerment is the process in which women elaborate and recreate what it is that they can be, do, and accomplish in a circumstance that they previously denied. Women empowerment helps to make them well educated and leave them free so

that they are capable to take their own decisions in any field. The need of women empowerment arose because of the gender discrimination and male domination in the Indian society since ancient time. Entire nations, businesses, communities and groups can benefit from the implementation of programs and policies that adopt the notion of women empowerment. Empowerment of women is a necessity for the very development of a society, since it enhances both the quality and the quantity of human resources available for development. Empowerment is one of the mam procedural concerns when addressing human rights and development.

On Monday 4th February 2019, Prof. Thivari introduced the speakers to the gathering at the training hall of the university at Jaunpur. It was a pleasant inauguration of the program at 10:30 am, followed by session 1, which handled by Mrs. Pooja Nagpal on Women empowerment and Personality development. It was a good interactive session, which helped the participants to break the eyes. During this session time management, stress management, conflict management, body language, dress codes, present ability, etc. taught to them. The post lunch sessions were handles by Mrs. Chandrika R on women entrepreneurship and success stories of women. The personality and leadership traits of eminent women achievers from various fields who are true role models and who have been inspiring millions of women discussed.

Details of Academic Activity	**Empowering Women to claim the Corporate ladder**
Type of Academic Activity	Twinning Programme
Faculty	UNSIET and PESCE Mandya TEQIP-III Team
Date & Place	4to 8Feb 2019 at Mentor Institute Mentor Institute VBSPU. Jaunpur

➢ **Interaction with Director, Coordinator and TEQIP team at Mandya:**

Details of Academic Activity	Interaction with Director, Coordinator and TEQIP team
Type of Academic Activity	Twinning Programme
Faculty / Staff	Prof. B B Tiwari & team
Date & Place	14th and 15th May 2019 at Mentor Institute PESCE, Mandya.

Proceedings of the meeting held on **"Interaction with Director, Coordinator and TEQIP team"**14th to 15th May 2019 to discuss the twinning activities scheduled to be organized during the year 2019-20. Prof B B Tiwari, TEQIP Coordinator and Mrs. Jyoti P Singh Asst. Professor, UNSIET were present in the meeting.

Minutes of the meeting:

Principal welcomed all the members and briefed about the meeting and asked the concerned heads of the department to give their consent to organize the twining programs at both the institutions during July/ Aug 2019. After lengthy discussions, the following programs were finalized to be organized by the faculty of PESCE.Both the coordinators were asked to proceed to carry out the programs as per the schedule.Dr. N L Murli Krishna thanked all the members for their suggestions and meeting concluded on a high note.

➢ **Two Days Twinning Workshops:**

Report on Two days Twinning Workshop-Establish Mechanism for Enabling Peer to Peer Learning and Knowledge Sharing (For 1.1, 1.2 & 1.3 Institutions) and Review Meeting held at Lucknow on 30th and 31st May 2019. The workshop mainly aimed at the twinning activities carried out till May 2019 and the plan of action for the next quarters.

The Objective of the workshop was: To meet the targets and benchmarks, a joint meet of 1.1, 1.2 and 1.3 Institutions scheduled to remove the bottleneck, if any, in order to implement the suggested activities in seamless and hasle-free manner. The World Bank/NPIU likely to establish a mechanism for enabling peer to peer learning and knowledge sharing between all TEQIP funded institutes. In this context, Two-day extensive Workshop & review meeting was organised by SPIU – UP at Lucknow. The issues discussed were: Twinning activities, Mentoring, NBA Accreditation, Performance Audit score, Learning and Knowledge sharing, sharing the best practices etc.

The workshop was held at Auditorium, Hotel Revanta, Lucknow

On 30th morning, Mr Vineet Surana (Nodal Officer Procurement) welcomed the participants and the program was started by lighting the lamp. Opening address regarding the Workshop was done by Dr Anil Kumar, SPA, SPIU-UP. After the inauguration session, Prof Dr. D S Chauhan, Founder Vice- Chancellor UPTU, UTU, Mentor- IET Lucknow & PEC- Puducherry gave an Expert talk on Peer to Peer learning Methodology, in which he emphasized the need of peer learning for the improvement in education and society as well. Next talk was by Prof. Dr. Jai Prakash, Retd Professor Civil Engg, MNIT Allahabad, Mentor- IET Agra & FET DBCRUST Haryana, on Knowledge Sharing through peer to peer learning.

Afternoon session was dedicated to share the best practices adopted by the TEQIP institutions. All the 1.3 and 1.1 institutions shared some of the best practices including good governance and academic and nonacademic reforms.

The SPA- SPIU requested the participating institutions to send the details of the best practices to SPIU, so that they can implement them at the institutions across the state. Then

some of the institutions were presented the review on twinning activities of both mentor and mentee institutions & twinning Scores obtained during the last year. SPIU request the participants to submit an action plan up to April 2020 in the prescribed format, after discussing among the coordinators the activities at both end. The SPA- SPIU requested the all participating institutions to carry out more effective activities rather than the numbers which can fetch good twinning scores. The review session scheduled to continue on next day due to time up. 31st May 2019, Review session continued till 1.30pm. the Prof. Dr. P M Khodke, CPA, NPIU addressed the participants through video conference and appreciated all the well performing institutions and suggested to speed up theactivities as the time constrains and assured to provide more funds on completing the activities with in stipulated time.

➢ **2ndBoG meeting under TEQIP-III:**

Details of Academic Activity	Mentee institute 2ndBOG meeting
Type of Academic	Twinning Programme

Activity	

Faculty / Staff	• Dr. H V Ravindra
	  Principal & TEQIP Director
	• B. Dinesh Prabhu
	  TEQIP-Coordinator

Date & Place	30th and 31st May 2019 at Mentee Institute, UNSIET, Jaunpur, UP.

The 2nd BoG meeting under TEQIP-III of mentee institute held at UNSIET, VBSPU Jaunpur UP. Honorable members actively participated and expressed their views, which witnessed by VC of the university. Professor B B Tiwari, TEQIP-Coordinator

presented about the progress and activities related to procurement and academics under TEQIP-III. After taking the note on the recent developments about the activities, presented by the Coordinator, members acknowledged the same and suggested to give more emphasis on training for the students about commutation and state of the art of technology. Further, elaborate discussions were also made about employability skill training and finishing school for placement of students in various platforms.

A Skill learning & training center was inaugurated on this occasion. The center is full equipped with the necessary equipment and facility. This facility could enable the students to upgrade their knowledge by undergoing skill training in different avenues.

➢ Meeting of BoG at Mandya:

The Fifth Board of Governors Meeting was held on 15/06/2019 at our institute and Chairman, BOG was in the Chair. Dr. B B Tiwari and Dr. Rajanish Bhaskar were present at BoG meeting as representatives from the mentee institute (UNSIET, VBSPU, Jaunpur, UP). All the action taken report as per the Proceedings of previous BoG was presented in the meeting. Further, the various activates (complete and upcoming) of TEQIP were narrated at the meeting in length by TEQIP director and Principal Dr. H V Ravindra. Various aspects, pertaining to TEQIP and academic progress at mentor as well as at mentee institutions, were debated and necessary decisions were taken at the meeting.

Details of Academic Activity	5th BOG meeting at PESCE
Type of Academic Activity	Twinning Programme
Representatives from the mentee institute	• Dr. B B Tiwari • Dr. Rajanish Bhaskar
Date & Place	15th June 2019, PESCE Mandya

➢ **Mentoring Audit:**

Details of Academic Activity	Accompanying TEQIP Mentor
Type of Academic Activity	Twinning Programme
Faculty / Staff	B. Dinesh Prabhu TEQIP-Coordinator
Date & Place	22nd to 23rd June 2019, UNSIET Varanasi UP

A second Mentoring Visit to UNSIET, Jaunpuron 22nd to 23rd June 2019 by Mentor: Prof. Mukul Sutaone, College of Engineering, Pune was accompanied by Prof. B. Dinesh Prabhu, TEQIP Coordinator of PES College, Mandya, Karnataka.Allactivity heads under TEQIP-III, and the respective expenditure till date, along withperformance progress, as per KPIs, was verified,

In terms of documents and In-personvisits.Activities related to majority of componentsofTEQIP-III, like: Procurement. Students'/Faculty programsand Twinning activates found satisfactory.Further, the mentor team felt that, few areas needed immediate attention for Improvement and performance at UNSIET Jaunpur they are, NPTEL/MOOC online courses Chapter,Industry representation inBoards of studies,encouraging for pursuing PhD program either In-house or with Mentor College,Collaborative R & D project proposals andPG (M .Tech) programs and Full Time PhD program needs to be established.

➢ **Remedial Class:**

As per twinning program a one week training program on **"PSPICE SimulationSOFTWARE"** under TEQIP, Phase-III was held At UMA NATH SINGH INSTITUTE OF ENGINEERING & TECHNOLOGY, Jaunpur, Uttar Pradesh, from 2nd July to 6th July 2019. The workshop aims to provide learning opportunities to students of Electrical Engineering, Electronics & communication Engineering, Instrumentation & Electronics Technology Engineering branches of UNSIET to enrich their learning skill in the field of simulation software. The Programme also intends to develop the knowledge of participants for simulation with PSPICE software's in the field of analog Electronics, Electrical circuit analysis and Digital circuit simulations. The workshop is attended by more than 50 students from circuit branches.

About Veer Bahadur Singh Purvanchal University Purvanchal University, Jaunpur renamed as Veer Bahadur Singh Purvanchal University in the honour of late Shri Veer Bahadur Singh, former Chief Minister of the state, was established on 2nd October 1987 as an

affiliating university under U.P. state university act 1973. Continuous qualitative and quantitative growth, excellence in academic and administrative activities, transparent and efficient academic administration have been some of the distinct characteristics on the basis of which the university emerged as one among the leading universities. Started with the 68 affiliated colleges, the university now has widened its spectrum of activities with 367 affiliated graduate and post-graduate colleges and student's enrollment of nearly three lacs and eighty thousand in 5 Districts of Eastern Uttar Pradesh.

Details of Academic Activity	Training on P Spice Simulation software
Type of Academic Activity	Twinning Programme
Faculty / Staff	• Mr. K M Mahesh Kumar Asst. Proffers Dept. of E&E • Mr. C Chethan Asst. Proffers Dept. of E&E
Date & Place	2nd to 6th July 2019 UNSIET

➢ Faculty Development Program:

Report on **"Faculty Development Program"** to Advances in Photonics and Communication on 8th to 12th July 2019 at Uma Nath Singh Institute of Technology, Jaunpur.

Workshop introduced the audience to the world of fibre Optics and fibre Based Components. Definitions of basic terminologies, How a fibre is made? Principal of propagation of light through a fiber. This session mainly dealt with the wavelength of operation, Modes of fiber, wavelength dependent modes and how to explore opportunities in using the modes for multi carrier transmission. Professor mainly concentrated the importance of measurement and instrumentation errors involved in calculating parameters. It was mainly the accuracy, calibration and read-outs of the measured quantity was discussed. In this session, Optical metrology was introduced to the audience. How optics are used in measurements of certain parameters were discussed. How? Important is optics theory was addressed briefly in this session. How photonics are incorporated in compact circuits making way to optic computing in quantum level.

Finally to end the talk, passive devices were introduced and insights were given. Nan

photonics at a Glance was the talk of the hour. Speaker started with a brief introduction to nano science and its integration with respect to optical communication field. Speaker introduced us to various effects of reducing the size of a structure to its Nano level. Speaker continued with the topic of Nano photonics. Professor explained about the process of preparing the silicon wafer for different optical devices of the level of nanotechnology. Finally to sum up, concluded with comparing different materials of Fab, and how silicon is cheap and easy to manufacture was emphasized.

The Topic for the hour was Photonic crystal & its Applications. The speaker started with Principal's and Application of Holography, where he discussed about the technique of holography. We were made to understand how a recording is made on a hologram and what are the different methods of hologram recording available was briefed. To continue with the next topic was Digital Holography and Dynamic Holography 3D displays was introduced. Here the future of 3D without glasses was discussed and how the aircraft cockpit's Heads UP Display were made using the same technology was explained.

Details of Academic Activity	Faculty Development Program
Type of Academic Activity	Twinning Programme
Faculty / Staff	Mr. Phalanethra Asst. Proffers Dept. of E&C
Date & Place	8th to 12th July 2019 UNSIET

➢ **Collaborative Research:**

As advised by MHRD, AICTE invites the proposal for **"Collaborative Research Scheme"** from TEQIP faculty(NPIU empanelled) presently working in TEQIP-III institutions in focus states.

Objectives:

Provide incentive for young TEQIP faculty from different institutes to collaborate on research and build research community.

- To support innovation & research across institutes with collaboration among TEQIP Faculty, Regular faculty of Project institutions (focus and non-focus) & Premier institutions of the country.

- The scheme targets for 200 proposals in 1 year.

Implementation Mechanism

- Collaborative Research Grant Program shall be implemented by AICTE. Applications will be received by AICTE using an online portal
- The program will be declared by NPIU through email and SMS to TEQIP faculty as well as institutes. The announcement shall also be published on NPIU and AICTE website.

Expected Outcome

- Joint research project between institutions through young TEQIP faculty and develop bilateral relationships (academic & research) among TEQIP institutions.
- Promote knowledge transfer from well performing institute.
- Produce educational and research contents in the form of jointly authored publication, book chapters, research monographs, patents, demonstrable technologies and action- oriented research outcomes and product and dissemination in teaching in multiple institutions.
- The equipment procured under the scheme may be used for consultancy purpose by the host institution.
- The facilities created may be used by students for Lab work & Projects of B.Tech. / M.Tech./ PhD students.

Details of Academic Activity	Collaborative Research activities
Type of Academic Activity	Twinning Programme
Faculty / Staff	Organized under Twining Activities for Collaborative Research initiation. 10 1.3 institutions 1 ATU and 4 1.1. institutions were participated
Date & Place	19th to 20th August 2019 Organized by PESCE at Mysore

➢ Induction Program:

The "Induction Program" for B.Tech.Students at VBS Purvanchal University Jaunpur, UP.Wasscheduled from 14thAugust to 7thSeptember, 2019. As a part of this Induction Program we were invited to conduct sessions on soft skills on 3rdSeptember and 4thSeptember, 2019.

Soft skills for Mechanical Engineering students around 40 students were present for the session. The topics for the session was Ethics and Ethical Dilemma. This session was started by giving an introduction to what

is Ethics-meaning, relevance and its importance in today's system. The session by dividing the students into four groups and briefing them up on ethical dilemma. Each group was given an ethical dilemma situations and asked to understand analyze and react to the given situation as to what was the best way to handle such situations. The groups were assisted order to understand, articulate and express their views on the given situation. The session concluded with a healthy discussion on how value systems have influence on situations giving whenever ethical dilemmas arises.On the same day we had another session for Computer Science and Information Technology Engineering students. Around 60 to 70 students were present for the session. The topic for the session was Personality its need and importance. Followed by a personality assessment test using Smalley Personality Inventory test and collage making activity at the end. The session was initiated by Mrs. Pooja Nagpal by briefly introducing the concept of personality its importance in today's student life. Then Mrs. Suman T D explained about personality test its relevance in knowing the personality type and how to bring out the best in one's personality. Further the students were divided in five groups and where asked to do collage on the theme sustainability.

We had a session of soft skill for Electrical and Electronic Engineering students around 40 members were present for the session. The topic for the session was team building followed by team building activities. Introduction on building a team and addressing the various challenges associated with team building and how to resolve them in order to build an effective team. On the same Mrs. Suman T D divided the students into teams and carried out various team building activities.

Details of Academic Activity	Induction Program
Type of Academic Activity	Twinning Programme
Faculty / Staff	• Mrs. Pooja Nagpal Asst. Prof • Mrs. Suman Rajesh Asst. Prof
Date & Place	3rd to 4th Sept. 2019, UNSIET

Conferences Conducted Under Twinning Programme	
International Conference	**International Conference**
Organized by	Organized by
Circuit branches of Engineering (CSE,ECE, EEE & ISE)	Departments of Mech. Engg. Sciences (ME, IPE & AE)
On **ICEECS 2020**	On **ICAMES-2K20**
During 10th& 11th January 2020	During 28th& 29th February 2020
At UNSIET, VBSPU, Jaunpur, UP In collaboration with PESCE, Mandya	At PESCE Mandya, In collaboration with UNSIET, VBSPU, Jaunpur, UP

➢ **International Conference ICEECS 2020:**

Roles Played: Dr. K A RadhaKrishna Rao: One of the guest in the Inaugural function speaking about the Conference and representing Principal and TEQIP Coordinator of PESCE

Session Chair: Dr. Punith Kumar M B-: Attended the conference as organizing Chair.

Observations:Good organization and Good hospitality to guests and speakers. Good speakers but time provided to them was very short and Too many plenary and invited talks and Fairly good oral and poster presentation (in terms of numbers).

Details of Academic Activity	Recent Trends in Electrical, Electronics and Computer Science (ICEECS 2020)
Type of Academic Activity	Twinning Programme
Faculty / Staff	• Dr. K A Radhakrishna Rao • Dr.Punith Kumar M B Dept of E&CE
Date & Place	6th to 9th Jan 2020, UNSITE, Jaunpur

➢ **Remedial Class:**

Primary Tasks: Conducting course of Critical Importance (Digital Signal Processing)

Objectives:

1) Educating 6thsem Students of E & C and E & I on Signal Processing concepts,

2) Provide an awareness on MATLAB tool and its use in Signal processing,

3) Develop confidence and remove fear of difficulty in the subject Digital Signal Processing and

4) Enabling ICEECS 2020 with advises and participations.

Outcomes: Student will be able to,

a) Differentiate between different class of signals,

b) Apply proper frequency transform,

c) Understand need for DFT,

d) Apply different properties of DFT,

e) Compute DFT of a given sequence and

f) See the necessity of fast computation of DFT.

Mode of delivery:

1) PPT and chalk board for the theory class

2) Laboratory with MatLab software. Evaluation: One test comprising of written and lab exercise was conducted (question paper attached).

Conclusion:

a) Students were struggling from lack motivation.

b) There were few very enthusiastic students with great carrier aspirations&Interest level of students is generally low

c) Need to work on foundation knowledge

d) Students need to improve their communication skills.

Details of Academic Activity	ICEECS 2020 - Session chair andCritical Subject Training
Type of Academic Activity	Twinning Programme
Faculty / Staff	• Dr. K A Radhakrishna Rao • Dr.Punith Kumar M B Dept of EC Engg
Date & Place	10th to 9th Jan 2020, UNSITE, Jaunpur

> ## **Remedial Classes:**

The sessions on day 1 were about, Introduction to IPR, nature, scope and process patenting and development, followed by technological research, innovation, etc in the morning session. Followed by afternoon session on, IPR in international scenario, topics which were covered were IPR conventions, WIPO and TRIPs agreements, procedure to grant the IPR and Patenting under PCT (two different phases of patenting under PCT). Apart from this, we have covered a case study on Canadian firms entering China's market and role of IPR in China – risks and challenges. The sessions on day two was on, patent rights, licensing and transfer of technology, sources of information and databases on IPR – Patent scope, EKASWA, EPIDOS, Canadian Patent databases were covered to give details on them and scope and data availability in those databases. Post lunch sessions were held on Geographical Indications covering meaning and definition as per the IPR Act, Objectives of geographical indications, examples, need and importance, controversies, and recent changes in the related act. A group discussion and an activity to talk on pros and cons on Geographical indications were held. Students' interaction was very good and their involvement helped to widen the scope of understanding of the topic.

The sessions on day three were on recent developments on IPR legislation in India were covered along with, changes that are brought in trade mark act, patent act, geographical indication act, copyright law, protection of plant varieties and rights of farmers related law, new designs law, integrated circuit provisions, and changes that IPR committee in India is thinking of bring in near future were discussed. Post lunch sessions were on Role of Universities, IITs, IIMs, IISc, Research and Development Institutes, etc in IPR in India. We also discussed and analyzed the IPR annual report to gain knowledge on trend and progress of Indian IPR related facts and figures. Sessions also included few case study presentations done by students. The sessions on this full day were concentrated on

the topic of Research Methodology, under this research scope, nature, approaches, instrumentations, research ethics, etc. were imparted to students.

Details of Academic Activity	Critical Subject Training Intellectual Property Right
Type of Academic Activity	Twinning Programme
Faculty / Staff	• Mrs.PoojaNagpal • Mrs.Chandrika Assistant Professors in Dept. of MBA
Date & Place	3rd to 6th Feb 2020, UNSIET, Jaunpur

➢ Remedial Classes:

Report on Critical Subject Handling for the course Artificial Intelligence at 13th to 16th Jan 2020, UNSITE, Jaunpur. P.E.S. College of Engineering, Mandya is one of the pioneer Engineering Colleges in India. Presently it is affiliated to the Visvesvaraya Technological University and is recognized by the All India Council of Technical Education, New Delhi. The P.E.S. College of Engineering, Mandya under TEQIP-3 twinning activity with our Mentee Institute - Uma Nath Singh Institute of Engineering & Technology, Jaunpur, UP, the following staffs handled One-week critical subject teaching to around 40 final year / pre-final year students of Computer Science & Engineering towards the course Artificial Intelligence.Introduction to Artificial Intelligence, Foundations and History of Artificial Intelligence, Applications of Artificial Intelligence, Intelligent Agents, Structure of Intelligent Agents. Computer vision, Natural Language Possessing.Introduction to Search:

Searching for solutions, Uniformed search strategies, Informed search strategies, Local search algorithms and optimistic problems, Adversarial Search, Search for games, Alpha - Beta pruning.Knowledge Representation & Reasoning: Propositional logic, Theory of first order logic, Inference in First order logic, Forward & Backward chaining, Resolution, Probabilistic reasoning, Utility theory, Hidden Markov Models (HMM), Bayesian Networks.Machine Learning: Supervised and unsupervised learning, Decision trees, Statistical learning models, Learning with complete data - Naive Bayes models, Learning with hidden data – EM algorithm, Reinforcement learning,Pattern Recognition: Introduction, Design principles of pattern recognition system, Statistical Pattern recognition, Parameter estimation methods - Principle Component Analysis (PCA) and Linear Discriminant Analysis (LDA), Classification Techniques – Nearest Neighbor (NN) Rule, Bayes Classifier, Support Vector Machine (SVM), K – means clustering.

Lab Session Covered:

- Program to solve 8 queens' problem andProblem using depth first search.
- Program on best first search.
- Program on 8-puzzle problem using best first search and Solve traveling salesman problem.
- Solving Find-S Program and Solving Candidate Elimination Program.
- Solving Naive Bayes model
- Program on Decision Tree.

Details of Academic Activity	Critical Subject Training Artificial Intelligent for Computer Science students
Type of Academic Activity	Twinning Programme
Faculty / Staff	• Dr. D R Umesh • Dr. Mahesh K Kaluti Dept. of CS &Engg
Date & Place	13th to 16th Jan 2020, UNSITE, Jaunpur

➢ **Remedial Classes:**

The main objective of this 4 days training programme was to introduce the concepts of Mechanical vibrations to the students and familiarize them with

the problem-solving methodologies of Mechanical vibrations subject. The entire course is ICT-based with all necessary material (lectures and tutorials), that will help them to analyze and understand the vast application of the subject.Introduction, Classification of vibration systems, Harmonic motion, Natural frequency & response, Effects of vibration. Single degree freedom system, Equation of motion, Newton's method, Energy method, Example problems.Damped vibrations, Vibrations of systems with viscous damping, Equation of motion, Logarithmic decrement. Numerical problems.Single Degree Freedom: Forced vibration, Forced vibration with Harmonic excitation, steady state vibrations, Forced vibration with rotating and reciprocating unbalance, Support excitation, Vibration isolation, Transmissibility. Numerical problems on Forced vibration, Vibration measuring instruments-displacement, velocity and acceleration measuring instruments, Numerical problems.

Two Degree Freedom systems: Introduction, Principal modes, Double pendulum, Torsional system with damping, Coupled system. Example problems.Multi Degree Freedom system: Influence coefficients, Reciprocal theorm, and Numerical analysis by Rayleigh's method, Dunkerely's method, and Example problems,Stodola method and Holzer's method, Example problems.

Details of Academic Activity	Critical Subject Training - Mechanical Vibrations
Type of Academic Activity	Twinning Programme
Faculty / Staff	• Dr. T Nagaraju • Mr.Ranjith K Dept. of Mechanical Engg
Date & Place	27th to 31st Jan 2020, UNSITE, Jaunpur

Procurements under TEQIP-III

(FY-2019-20)

The procurement activity is the greatest success story at Uma Nath Singh Institute of Engineering & Technology. Procurement has been exercised in all the three area as prescribed in TEQIP III i.e. procurement of laboratory equipment for the purpose of Teaching & Research and furniture, Procurement of Learning Resources and Procurement of services for minor Civil works. Procurement of laboratory equipment including computers have been done across all the branches of engineering in which new laboratories has been set up as well as existing lab has been upgraded. The application softwares have also been procured for project and research purpose. As mandate of AICTE books in engineering and allied branches has also been procured. The mandate was to procure the books written by Indian authors. Lab furniture like20 Nos. of double decker tables for Electrical & Electronics EngineeringDepartment has been purchased. Funds have been available for minor civil work and refurbishment of laboratory space as well. The TEQIP III office has been refurbished and two laboratories in the Electronics Engineering Department are modernized. Equipment for smart classes for all the Engineering Departments have been purchased. The detailed procurement exercise as given below.

SR. NO.	Date of Purchase	Date of Payment	Supplier's Name	Details of Equipment/ Asset	Amount	Location/Dept.	Heads	No of Quantity
1	07.03.19	20.04.19	M/s Anmol Enterprises	Smart Class Chair/Toturial Chair	881475	Electrical Engg.	1113	170
2	17.03.19	20.04.19	M/s Prateek Enterprises	Microtech 5KVA Online UPS	1350000	All Engg. Department	1111	10
3	28.03.19	20.04.19	M/s Intech Infosys	HP Touch IR Laptop Notbook	835800	All Engg. Department	1111	10
4	11.03.19	20.04.19	M/s Suntech Infosolutions	HP Leser Jet Pro Printer	496032	All Engg. Department	1111	16

5	13.03.19	20.04.19	M/s Kall Kwik Devices Private Limited	Multifunctional Photo Copier With DADF & Toner Set	960520	All Engg. Department	1111	5
6	11.03.19	20.04.19	M/s Vidhan Enterprises	HP 600 Desktop Computers	2918580	All Engg. Department	1111	42
7	29.03.19	28.05.19	M/s Oswa Industrial Products Pvt. Ltd.	Material Testing Lab for Mechanical	4399153	MachanicalEngg.	1111	
8	11.03.19	14.06.19	M/s Apex System & Services	Online UPS 01KVA	49900	All Engg. Department	1111	10
9	29.03.19	15.06.19	M/s Kisan Enterprises	Voltas 1.5 Ton 2nos. Hot & Cold AC TEQIP-III	80593	TEQIP Office	1111	2
10	13.06.19	22.06.19	M/s Digitech Media Products Pvt. Ltd.	LED Display with touch E-Board	1661732	Electrical Engg. Electronic Engg. CS IT Engg. Mechanical Engg.	1111	4
11	02.05.19	06.08.19	M/S Alok Computer	HP office Jet Pro 8720 A10 Printer (Colour)	198326	Electrical Engg. Electronic Engg. CS IT Engg. Mechanical Engg.	1111	8
12	10.08.19	30.08.19	M/s Kall Kwik Devices Private Limited	Stablizer	44250	Electrical Engg. Electronic Engg. CS IT Engg. Mechanical Engg.	1111	5
13	10.08.19	30.08.19	M/s Kall Kwik Devices Private Limited	Rack	42000	Electrical Engg. Electronic Engg. CS IT Engg. Mechanical Engg.	1111	5

14	23.08.19	31.08.19	M/s TurnitIndia Education Pvt. Ltd.	Plagiarism Software (Turntin India)	575840	Electrical Engg. Electronic Engg. CS IT Engg. Mechanical Engg.	1112	5
15	07.09.19	19.09.19	M/s Sharda Info. Sol. Pvt. LTd.	Gaussian Software	805950	Applied Chemistry	1112	1
16	15.09.19	20.09.19	M/s Shakuntla	Civil Work	2407605	Electronics Engg.	1114	MB Entry
17	12.09.19	19.09.19	OPAL-RT Techniology INDIA pvt. Ltd.	OPL RT Direct contracting	4200000	Electrical Engg.	1111	1
18	20.09.19	23.09.19	SPI Engineers pvt. Ltd.	Research Grade Measuring Equipment	890127	Electronics Engg. Electrical Engg.	1111	31
19	24.12.19	27.12.19	M/s V Instruments	Purchase of Power System Protection Lab Equipments	2549250	Electrical Engg.	1111	4
20	27.12.19	27.12.19	M/s Opal RT Technology India Pvt Ltd.	Purchase of Wind Energy Emulator Module	1751000	Electrical Engg.	1111	1
21	27.12.20	27.12.19	M/s Khanna Book Publishing Co. Pvt. Ltd.	Purchase of Books	2030491	Electrical Engg. Electronic Engg. CS IT Engg. Mechanical Engg.	1112	Misc Items
22	05.02.20	06.02.20	M/s Megasoft Information System Pvt. Ltd	Purchase of Tablet Computer	189777	Electrical Engg. Electronic Engg. CS IT Engg. Mechanical Engg.	1111	5
23	05.02.20	07.02.20	M/s Av Communications	Purchase of Laptop	44236	TEQIP Office	1111	1

SR. NO.	Date of Purchase	Date of Payment	Supplier's Name	Details of Equpments/Asset	Amount	Location/Dept.	Heads
24	23.03.20	24.03.20	M/s MS Enterprises	Purchase of Physics Lab Equipment	365491	Applied Physics	1111	Misc Items
25	17.07.20 20	14.08.20 20	M/s Advance Photonics	Purchase of Fiber Optics Lab Equipments	5915025	Electronics Engineering	1111	1 Set

FY-2018-19

SR. NO.	Date of Purchase	Date of Payment	Supplier's Name	Details of Equpments/Asset	Amount	Location/Dept.	Heads
1	17.03.18	12.04.18	Kemsale	Chemistry Lab	240383	Applied Chemistry	1111
2	12.03.18	12.04.18	Gupta Supplying Co- Orpration	Physics Lab Equipments	491740	Applied Physics	1111
3	12.03.18	24.06.18	Mannu Enterprises	Electrical Lab Equipment	1594600	Electrical Engg.	1111
4	21.06.18	28.06.18	QUARBZ Marketting System	Real Time Circuit Simulation Software	2355512	Electrical Engg.	1112
5	20.06.18	28.06.18	Mars Communication	Microwave Test Bench	293820	Electronics & Communication Engg.	1111
6	25.06.18	28.06.18	Advance Technology INDIA pvt. Ltd.	Electrical Instruments Lab	1049621	Electrical Engg.	1111
7	08.09.18	10.09.18	Corel Technology pvt. Ltd.	Design Suit FPGA Programming	2346000	Electronics Engg	1112
	08.09.18	10.09.18	Corel Technology pvt. Ltd.	Design Suit FPGA Programming	432000	Electronics Engg	1112
8	10.08.18	14.09.18	Nano Tech Enterprises	Control System Lab Equipments	880221	Electrical Engg.	1111
9	22.09.18	27.09.18	Mannu Enterprises	Measuring Instruments Equipments	2156568	Electronics Engg	1111
10	25.09.18	27.09.18	Nihon communication solution	Qualnet Network Simulator Software	1566000	CS & IT	1112

11	24.01.19	18.02.19	M/S Entuple Technology	Antenna/ PCB prototyping Machine	1416000	Electronics Engg	1111
12	19.12.18	18.02.19	M/S Entuple Technology	OR-CAD Software	1062000	Electronics Engg	1112
13	18.01.19	23.02.19	M/s Preferred seven Technology	EPSON Projector (GEM)	527632	Electrical Engg.	1111
14	04.01.19	23.02.19	M/s Integrated Service	Motorized Projector screen (GEM)	19996	Electrical Engg.	1111
15	17.12.18	23.02.19	M/s Peoplink unified communication Pvt.Ltd.	FX 60 Video conference endpoint 1Plus 5 device	399800	Electrical Engg.	1111
16	17.12.18	23.02.19	M/s Peoplink unified communication Pvt.Ltd.	People link podium for electronic department	325750	Electrical Engg.	1111
		26.03.19	M/s Nihon communication solution Pvt.	Qualnet network simulator (Refund retention amount)	145000	CS & IT	1112
Total					17302643		

FY 2017-2018

S. No.	File No.	Date/Date of Payment		Name of Person/Vendor/Institute	Nature of Activity	Amount	Lacation	Heads	Remarks
1	145	16.03.18	06.03.18	M/s. Starcom Information Technology Ltd.	Purchase of lab view Software	1690000	Electronics Engg.	1112	
2	153	20.03.18	12.03.18	M/s Premier Trading corporation,	Electrical Machine Lab	697650	Electrical Engg.	1111	
3	161	21.03.18	07.03.18	Entuple Technologies Pvt. Ltd.	Cadence Software	1694915	CS & IT Deprt.	1112	
4	162	23.03.18	23.03.18	M/s. Science House Lucknow	Power System Lab	3755950	Electrical Engg.	1111	
5	163	23.03.18	22.01.18	M/s.Kendriya Bhandar	Purchase of Lab Furnitures	1768000	Electrical + Electronics Engg.	1113	
Total						9606515			

Bhadon-Chhath Mela – Kishan Sangam Mela

Jaunpur is very famous for his History and Heritage. It has many unequal's in its Trends and Traditions. Bhadon- Chhath Mela organised on a stretch of almost 15 Km along the Jaunpur -Shahganj road passing through the Campus of Purvanchal University. Attracts the local visitors towards the agriculturalequipments,householdsarticles, especiallyfurniture and children toys etc displayed for the three days. It falls on 6th day of Bhadrpad-Krishnpaksh every year. It attract such a hues crowd that road is blocked for normal traffic movement during the Mela days. A specialpart of the activity has been Kisaan Mela. We thought it proper to put our stall during Sept. 6-9, 2019 to advertise the activities of the University. This activity was sponsored by NeharuYuva Kendra under Jaunpur unit of NIDS India. Our student represented the University on stall and the participation was meaning full.The expenditure was born by TEQIP-III.

Program "PrajnaPravah"

The ideological organisation of PrajnaPravah namely "Unmesh" of Jaunpur had organised to comrade the philosophy of Swami Vivekananda Ji on January 19, 2018 at the auditorium of T & P Cell in Faculty of Engineering & Technology. The key note speech was given by Hon'ble Shri Mithilesh Narayan Ji and the program was presided over by Prof. Raja Ram Yadav, Vice Chancellor. The introduction of the program was given by Prof. RadheyShyam Ji, Former Principle T D College Jaunpur. The guests were felicitated with Memento and Angvastram.

District Coordinator Shr. Santosh Tripathi and TEQIP Coordinator Prof. BB Tiwari coordinated the overall program. Prof. BB Tiwari also delivered the Welcome address. The activity was supported by TEQIP –III fund.

चाणक्यनाटककीप्रस्तुति

दिनांक 19 / 10 / 2019 कोसायं 04.00 – 08.00 बजेतकचाणक्यज्वलंतऐतिहासिकनाटककाआयोजनकियागया।दिव्यप्रेमसेवामिशनहरिद्वारएवंतकनीकी शिक्षागुणवत्ताउन्नयनकार्यक्रमकेसंयुक्ततत्वावधानमेंआयोजितचाणक्यनाटकमेंरंगकर्मीपद्मश्रीमनोजजोशी नेतीसरीशताब्दीईसापूर्वकेमहानायकचाणक्यकेव्यक्तित्वकोबड़ीकुशलतासेप्रस्तुतकिया।मनोजजोशीकेसं वादोंनेदर्शकोंकोबांधेरखा।नाटकमें30

कलाकारोंकीटीमनेचारचांदलगादिए।कलाकारवेशभूषाऔररंगकर्मसेदर्शकोंकेसामनेचाणक्यकोसजीवक रदिए।जनपदमेंपहलीबारविश्वप्रसिद्धहिंदीनाटकचाणक्यकामंचनहुआ।रंगकर्मीमनोजजोशीकीभावभंगिमा केसाथमहानकूटनीतिज्ञचाणक्यकेनीतियोंसेदर्शकमोहितहोतेरहे।चाणक्यनाटककेमाध्यमसेराष्ट्रवादकासं देशदियागया।विश्वविद्यालयकेकुलपतिप्रोफेसरडॉ. राजारामयादवनेदिव्यप्रेमसेवामिशनकेसंस्थापकडॉ. आशीषगौतमकोअप्रतिमनाटकआयोजितकरनेकेलिएधन्यवाददिया।उन्होंनेकहाकिइसनाटकमेंबहुतसेसं देशहैजोयुवापीढ़ीकेलिएमार्गदर्शनकाकामकरेगा।प्रेमसेवामिशनकेसंस्थापकडॉ. आशीषगौतमनेदिव्यप्रेमसेवामिशनकेउद्देश्योंकेसाथअपनीभावीयोजनाओंकेबारेमेंबताया।विधायकहरेंद्रप्र सादसिंहनेभीअपनेविचारव्यक्तिकिये।

संचालनडॉ. नंदलालसिंहनेकिया।इसअवसरपरविधायकहरेंद्रप्रतापसिंह,उत्तरप्रदेशराजर्षिटंडनविश्वविद्यालयकेकुलप तिप्रो. केएनसिंह,कुलसचिवसुजीतकुमारजायसवाल,परीक्षानियंत्रकबीएनसिंह, रामेश्वरसिंह, प्रो.ओमप्रकाशसिंह, प्रो. बीबीतिवारी, प्रो. नीरजखरे, प्रो. एपीसिंह, प्रो.बीएनसिंह, पाणिनिसिंह, डॉ. मनोजमिश्र, डॉ. श्रद्धासिंह, प्रदीपशाही, संजयसिंह, डॉ. सत्यप्रकाश, डॉ. श्यामकन्हैया, डॉ. दिग्विजयसिंहराठौर, डॉ. जान्हवीश्रीवास्तवसमेततमामलोगमौजूदरहे।

आमंत्रण

दिव्य प्रेम सेवा मिशन, हरिद्वार

पद्मश्री **मनोज जोशी** की प्रस्तुति

|| चाणक्य ||

ज्वलंत ऐतिहासिक हिन्दी नाटक

— कार्यक्रम —

दिनांक : शनिवार, 19 अक्टूबर, 2019
समय : सायं 4:00 से 8:00 बजे तक
स्थान : महंत अवेद्यनाथ संगोष्ठी भवन
वीर बहादुर सिंह पूर्वांचल विश्वविद्यालय, जौनपुर

दिव्य प्रेम सेवा मिशन, हरिद्वार

दिनांक : शनिवार, 19 अक्टूबर, 2019
सायं 4:00 से 8:00 बजे तक
महंत अवेद्यनाथ संगोष्ठी भवन
वीर बहादुर सिंह पूर्वांचल विश्वविद्यालय, जौनपुर

संख्या नं.
श्रीयुत डॉ. राज बी.बी. तिवारी

— प्रेषक —
दिव्य प्रेम सेवा मिशन, जौनपुर ईकाई
(काशी अंचल)

आयोजक
दिव्य प्रेम सेवा मिशन
जौनपुर, ईकाई
काशी अंचल

• सह–आयोजक •
TEQIP-III
तकनीकी शिक्षा गुणवत्ता उन्नयन कार्यक्रम
वीर बहादुर सिंह पूर्वांचल विश्वविद्यालय, जौनपुर

• संरक्षक मण्डल •

डा. हरेन्द्र प्रसाद सिंह	डा. राजाराम यादव
विधायक, जफराबाद	कुलपति, वी.बी.एस. पूर्वांचल विश्वविद्यालय, जौनपुर

• कार्यक्रम संयोजक • • कार्यक्रम सह संयोजक •

संजय कुमार सिंह	सत्य प्रकाश सिंह
	डा. श्याम कन्हैया

• आयोजन समिति •

राधेकृष्ण ओझा	मनीष देव
शकेश श्रीवास्तव	मोती लाल यादव
संजय अस्थाना	संतोष सिंह
अतुल सिंह	संजय श्रीवास्तव
कौशल त्रिपाठी	डा. पवन सिंह
अतुल सिंह (मुन्ना)	शाश्वत सिंह

• संयोजक •
शशांक सिंह 'रानू'

• सह संयोजक •
जनार्दन सिंह

दिव्य प्रेम सेवा मिशन, जौनपुर ईकाई
(काशी अंचल)

नोट–
1. प्रवेश केवल आमंत्रण पत्र से।
2. आमंत्रण पत्र केवल दो व्यक्तियों के लिए मान्य।
3. 10 वर्ष से कम उम्र के बच्चों को साथ लाने से बचें।
4. पानी की बोतल साथ न लायें।

सम्पर्क सूत्र– 9415281773, 7376590661, 9415895243, 9554543111

Equity Action Plan (EAP)

There are different kinds of challenges to improve academic performance of the students. In addition to the calibre of the students in the Institute its facilities, management, quality and efficiency of the teaching faculty and measures to address students' felt needs including related known related non cognitive skills and behavioural issues have a bearing on student performance. We have made our equity action plan to improve learning outcomes for students and employability of graduates with special attention to the needy ones including those from the SC and ST categories. We intend to improve the transition rate of first year students to the second year. Institutional targets are set for all students with special attention to socially and economically underprivileged groups including SC/ST, OBC and women students. Achievements have been maintained during subsequent years so that high graduation rates are achieved. We have included institutional EAP in our institutional development proposals.

Activities organised under social safeguards / equity

- Advertisement for admission of SC/ST students has been taken care.

- SC/ST Cell has been constituted in the Institute to resolve all the affairs and problems related to the SC/ST officers, employees and students of the University. Following are the important work under SC/ST Cell:

    ➢ All affairs related to SC/ST.

    ➢ All affairs related to SC/ST reservation implemented in the University according to Central Government/State Government Policy.

    ➢ Registering the complaints in writing from of SC/ST teachers/officers/employees and students and address it to concerned department, person, section for its peaceful resolution.

- Nomination of SC/ST students for Cell at University level.

- Women employment workshop was organised during 04th February to 8th February 2019.

- Workshop on " Empowering Women to Claim the Corporate Ladder" was organised on 4th -6th February, 2019

- Have attended" Workshops on "Gender Sensitization and Women Empowerment" was organized on 18 Feb 2020, at Varanasi by SPIU

Activities organised to improve language competency, soft skills and confidence level

➢ Hands on Computational Training during 11th to 26th Sept 2019

➢ Hands on computational Training for final year B. Tech, MCA students by "Sofcon Group Lucknow."

➢ Soft Skill Enhancement Training during 11th to 26th Sept 2019.

➢ Soft skill enhancement for final year students of B. Tech (All Streams),MCA by Aplav& Team AVSAR Ventures, Jaipur.

➢ Formation of peer learning group of students, appointment of student mentors and faculty advisor for students

➢ Every department organises a class coordinator.

➢ Students are designated as class representative to take care.

Activities organised to train the teachers in subject matter, pedagogy, upgrade domain knowledge etc.

➢ Summer Internship for B. Tech 2nd year students during 27th May to 8th July 2019.

Activities organised to make campuses physically and socially gender friendly

➢ The V.B.S. Purvanchal University, Jaunpur is located in a socially and economically backward region of Eastern Uttar Pradesh. Almost students studying in the campus of the V.B.S. Purvanchal University are enrolled in different professional courses like Engineering, Pharmacy, Management and Post Graduate (P.G.) courses in Sciences as well as Social Sciences. Remedial coaching started on 16-03-2015 in the campus of the University, is now proving its optimum significance for the students studying in University Teaching Departments. This coaching is organized especially for the students of weaker society i.e. SC, ST, OBC (non -creamy layer), minority and the general category students possessing BPL card. This coaching is conducted with the financial

- Assistance received from the University Grant Commission, New Delhi. The aims and objectives of the coaching are as:

- To enhance the academic skills, linguistic proficiency of the students in different subjects and raise their level of comprehension.

- To provide them stronger foundation for further study and reduce or stop drop-out rate of the students.

- To motivate the student for their sincere curiosity in subject as well as in the study.

- To improve communication and professional skill of the students.

- To motivate them for higher studies such that after a bright future they may join the main stream of the society.

Other activities completed to promote equity

SC/ST Students are motivated to take admission at zero tution fees. The tution fees comes from Samaj Kalyan as Scholar ship to motivate the admission of SC/ST Students.

Financial and Physical progress on Equity Action Plan from Jan 2019 to Oct 2019
Name of Institute: Uma Nath Singh Institute of Engineering & Technology Jaunpur.

S. No.	Activity undertaken	Date & duration	Activity Completed/ In progress	Actual Expenditure Incurred
1.	Women Employment	07.02.2019	Completed	277013/-
2.	Hands on computational & Soft skill enhancement training	11th to 26th Sept 2019	Completed	50000
3.	SC/ST/OBC/Gen (EWS) zero Fee Admission (Fee Refund)	For Every Year	Completed	University Fund
4.	Remedial coaching for SC-ST Students	16.03.2019 90 Days	In Progress	University Fund

Equity Action Plan Jan 2020 to Sept 2020

S. No.	Activity	Coordinator from the institute	Executing agency	Date& duration	Frequency	Whether continuing from last action plan or new activity	Indicator to measure outcome	Estimated Expenditure
1	Remedial Classes for week Students	Dr. Ravi Prakash	Self	Feb-April-20	03 Month	New Activity	Semester Examination Result	500000
2	Workshop on Gender bias issues	Prof. BB Tiwari	By Expert	August 2020	06 Month	Last Action Plan	Intake of girls in institute	200000
3	Expert Lecture on English language	Mr. Ajay Kumar Maurya	By Expert	July-2020	06 Month	Last Action Plan	Semester result	50000

TEQIP Staff Appointment for the Implementation of TEQIP Activities

For Implementation of day to day TEQIP activities, TEQIP staff were appointed on Oct. 28, 2017 as per the provisions TEQIP –III project. The following staff are working in the project:

S. NO.	Name	Designation	Salary (Rs.)	*Revised Salary
1.	Anil Kumar Maurya	Project Officer	28,000/=	40,000/=
2.	Subham Gaur	IT Officer	22,000/=	30,000/=
3.	Ramesh Kumar	Office Asstt.	12,000/=	20,000/=

*The salary was revised with effect from the month June, 2019   vide decisions of BoG meeting (3rd) dated May 31, 2019.

Mentoring Audit

As per the guidelines of TEQIP-III mentoring audit mentoring auditor Prof. Mukul Sutaone from College of Engineering Pune has visited two times to our Institute. He first visited during Dec. 12-14, 2018. A meeting with senior Teachers was raised. Prof. Sutaone appreciated our activities especially in Twining, Induction and Industry related programs. He also checked the Curriculum is followed and express his satisfaction. The data from the Performance audit was also checked and his observations were towards:

i.   Procurement

ii.   Teaching & Learning, Research

iii.   Employability, NBA

iv.   AICTE mandates- Induction, Start-up, Innovation, Internship, GATE, Technical/Soft skill training Industry

v.   Faculty Productivity, Recruitments

vi.   Swayam, NPTEL Courses, Online Courses, Pedagogical Training, R & D Projects.

vii.   EAP, SC/ST classes, Best SC/ST to be awarded.

viii.   Improve System Efficiency/Governance.

ix.   Twining Activities which were found inspiring.

x.   Observations of BoG, BoS meeting minutes.

xi.   Laboratory visits.

Prof. Sutaone expressed his satisfaction on overall activities. He interacted with faculties of Institute and got the feedback on rational coverage of activities of TEQIP-III across the various Departments.

The exit meeting was organised on Dec. 14,2018 in which lot of thought inputs were extended and critical advices were forwarded by auditor. He appreciated our procurements exercise and adequate expenditure.

Second Mentoring Audit

Second mentoring visit was performed by Prof. Sutaone during June 21-23, 2019. Initially meeting with TEQIP team of this Institute took place in which Prof. Dinesh Prabhu, Coordinator TEQIP-III PES College of Engineering, Mandya. The mentor observed the

proceedings of the meeting of BoGs. He was informed about the progress of installation of Wi-Fi in the campus through TEQIP Project. He became aware of successful conduct of employability skill training for 3rd year Students and GATE coaching for final year Students. He showed keen interest in organising International Conference in joint venture one at Jaunpur and the other at Mandya. The details on which are listed separately. He was very much impressed knowing about the in-house Summer Internship going on for 2nd year pass students during May 27 – July 08, 2019. We acquired Institutional/Individuals Student Chapter of professional bodies IEEE (USA), IE (India).

Prof. Sotaone interacted with Faculty members on June 22 and feedback was encouraging

A Report on SECOND Mentoring
on
22nd and 23rd June 2019
Mentor: Prof. Mukul Sutaone, College of Engineering, Pune.

The mentor was accompanied by Prof. B. Dinesh Prabhu, TEQIP Coordinator of PES College, Mandya, Karnataka, the mentor institute of UNSIET under twinning arrangements.

The mentor was welcomed by Prof. B. B. Tiwari and his team from TEQIP Office. All activity heads under TEQIP-III, and the respective expenditure till date, along with performance progress, as per KPIs, was verified, in terms of documents and in-person visits.

Activities related to following components of TEQIP-III are all **SATISFACTORY**:

- Procurement of equipment, software, curricular facilities

- Students' employability and GATE training, Industrial visits, internship and Induction programs, professional society chapters etc.

- Faculty empowerment in terms of Deputation for attending FDPs/Conferences/PDTs etc.

- Twinning arrangements in terms of mutual visits, teaching engagements, OBE workshops, sharing of curricular and assessment practices, organizing joint conferences, and various domain specific training programs for students and faculty etc.

Following areas need immediate attention for **improvement and performance**:

- An Institute level NPTEL MOOC Chapter needs to be established with immediate effect, to encourage students and faculty to enroll for online courses.

- Department-wise Boards of studies should have Industry representative towards contribution to curriculum design.

- Young faculty members, appointed on tenure basis, should be encouraged to enroll for PhD program, either in-house or with Mentor College.

- Collaborative R & D project proposals should be authored and submitted in association with Mentor College.

- Being the University's constituent college, PG (M.Tech) programs and Full Time PhD program needs to be established on priority.

(Prof. B. Dinesh Prabhu)

Performance Audit

NPIU has appointed as per provision of TEQIP-III Prof. K V Gangadharan, NIT Surathkal as performance auditor for the Institute. Prof. K V Gangadharan has visited so far two times during August 09-11, 2018 and August 20-22, 2019.

In his first visit he mates with HODs and TEQIP staff on August 21, 2019. Prof. Gangadharan found the progress of activity quite adequate. He focus on language skill of Students & Teachers, proper Staffing in laboratories, high speed Internet facilities, LCD facilities, SC/ST Female Faculty to be filled, Sponsored Project and Leadership program. He emphasized upon satisfaction survey to be done as well as encouraging the stack holders. He mates with faculty members on August 22, 2019. The feedback was quite encouraging. Necessary Documentations was prepared and handed over to him.

First Visit Performance Audit Report is included in Annexure 5

Workshop/Meeting/Conference/FDP attended by Faculty Members

Sr. No.	From	To	Name of Faculty	Department	Details of Academic Activity/topic	Type of academic Activity/ Venue
1.	20.08.17		Mr. Jai Singh	Electronics Engineering	PES College (Mandya) Twinning Program	Mandya
2.	08.09.17	10.09.17	Dr. Raj Kumar	Mathematics	Workshop on Growth of Science & Technology	VBSPU Jaunpur
3.	22.09. 17	23 .09. 17	Dr. Rajnish Bhaskar	Electrical Engineering	Mentor Institute visit	Mandya
4.	22.09.17		Dr. Rajnish Bhaskar	Electrical Engineering	Orientation program (New Delhi)	New Delhi
5.	31.10.17	01.11. 17	Prof. B B Tiwari	Electronics Engineering	PDT at IIM Shilong	IIM Shilong
6.	10.11.17	16.11.17	Dr. Santosh Kumar	Physics	SLA at New Delhi	New Delhi
7.	10.11.17	16 .11.17	Mr. Satyam kr. Upadhayay	Electrical Engineering	SLA at New Delhi	New Delhi
8.	10.11.17	16 .11.17	Dr. Saurabh Pal	MCA	SLA at New Delhi	New Delhi
9.	10.11.17	16 .11.17	Dr. Rajkumar	Mathematics	PDT at IIM Indore & SLA	Indore
10.	23.11.17	26.11.17	Prof. B. B. Tiwari	Electronics Engineering	International Conference at Hisar	Hisar
11.	24.11.17		Mr. Satyam kr. Upadhayay	Electrical Engineering	International Conference (Pune)	Pune
12.	14.12.17	18.12.17	Mr. Anil Kumar Maurya	TEQIP	PDT at IIM Raipur	Raipur
13.	03.01.18	13 .01.18	Prof. B. B. Tiwari	Electronics Engineering	Mentor institute of Mandya visit	Mandya
14.	11.01.18		Mr. Gyanendra Kumar Pal	Computer Science &Engg.	PES College (Mandya) Twinning Program	Mandya
15.	15.01.18	19.01.18	Mr. Prabhat kr.	Electronics	Antenna & ANSYS HFSS	Gaziabad

			Shukla	Engineering	ABES CollegeGaziabad	
16.	15.01.18	19.01.18	Mrs. Manisha Yadav	Electronics Engineering	Antenna & ANSYS HFSS ABES CollegeGaziabad	Gaziabad
17.	15.01.18	19.01.18	Miss Poonam Sonkar	Electronics Engineering	Antenna & ANSYS HFSS ABES CollegeGaziabad	Gaziabad
18.	15.01.18	19.01.18	Mr. Vishal Yadav	Electronics Engineering	Antenna & ANSYS HFSS ABES CollegeGaziabad	Gaziabad
19.	16 .01.18		Prof. B B Tiwari	Electronics Engineering	Twinning JRM at EDCIL HOUSE (New Delhi)	New Delhi
20.	18.01.18		Dr. Rajninsh Bhasker	Electrical Deptt.	Presentation of Progress Report	AKTU Lucknow
21.	22.01.18	24.01.18	Prof. B.B.Tiwari& Dr. Rajnish Bhasker	Electronics & Electronics Deptt.	Good Governance Summit New Delhi	New Delhi
22.	27.01.18	30.01.18	Mr. Gyanendra Pal	CSIT	Workshop at PES college of Mandya	Mandya
23.	27.01.18	30.01.18	Mr. Dilip Kr. Yadav	CSIT	Workshop at PES college of Mandya	Mandya
24.	27.01.18	30.01.18	Mr. Prashant Kr. Yadav	CSIT	Workshop at PES college of Mandya	Mandya
25.	27.01.18	30.01.18	Mr. Ashok Kr. Yadav	CSIT	Workshop at PES college of Mandya	Mandya
26.	27.01.18	30.01.18	Mr. Santosh Kr. Yadav	CSIT	Workshop at PES college of Mandya	Mandya
27.	27.01.18	30.01.18	Mrs. Deepti Pandey	CSIT	Workshop at PES college of Mandya	Mandya
28.	28.01.18	01.02.18	Dr. Rajnish Bhasker	Electrical Deptt.	FDP at Port Blair	Port Blair
29.	08.02.18	09.02.18	Mr. Satyam Kr. Upadhayay	Electrical Engineering	Attending Workshop at New Delhi	New Delhi
30.	08.02.18	09.02.18	Mr. Satyam Upadhyay	Electrical Deptt.	NBA Workshop	New Delhi
31.	12.02.18	17.02.18	Mr. Deep prakash Singh	ME Deptt.	PDT at IIM	Udaipur
32.	12.02.18	17.02.18	Mr. Deep Prakash Singh	Mechanical Engineering	PDT at IIM Udaipur	Udaipur
33.	26.02.18	02.03.18	Dr. Saurabh Pal	MCA Deptt.	PDT at IIM	Khozikod
34.	27.02.18	03.0318	Prof. B. B. Tiwari	Electronics Engineering	FDP on Management Capacity enhancement	Port Blair

					Program (PortBlair)	
35.	22.03.18	28.03.18	Dr. Saurabh Pal	MCA	Visit to IIM Khozicode	Khozikod
36.	10.04.18	11.04.18	Prof. B.B. Tiwari	Electronics Deptt.	CPA meeting at Lucknow	Lucknow
37.	10.04.18	11.04.18	Dr. Rajnish Bhasker	Electrical Deptt.	Meeting at AKTU Organization	AKTU
38.	09.05.18		Mr. Vishal Yadav	Electronic	3rd Annual NI Research Seminar	Bhopal
39.	09.05.18		Prof. BB Tiwari	Electronic	3rd Annual NI Research Seminar	Bhopal
40.	09.05.18		Mr. Sudhir Singh	Electronic	3rd Annual NI Research Seminar	Bhopal
41.	10.05.18	14.05.18	Dr. Rajnish Bhasker	Electrical Deptt.	Discussion On Industry Institute Interface	New Delhi
42.	11.05.18		Dr. Saurabh Pal	ME. Deptt.	STP at Punjab	Punjab
43.	16.05.18	27.05.18	Prof. B.B. Tiwari & Mrs. Poonam Sonkar	ElecronicsDeptt.	STP at UIET Punjab	Punjab
44.	17.05.18		Mr. Sanjeev Gangwar	CSIT	Research Paper Publication Article	VBSPU Jaunpur
45.	21.05.18	25.05.18	Mr. Ashok Kr. Yadav	CSIT Deptt.	Active Learning Programme	IIT Kanpur
46.	24.05.18	28.05.18	Prof. B.B. Tiwari	Electronics Deptt.	FDP on Achieving Excellence in Engineering Education	CSDE Shimla
47.	24.05.18	28.05.18	Dr. Rajnish Bhasker	Electrical Deptt.	FDP on Achieving Excellence in Engineering Education	CSDE Shimla
48.	24.05.18	28.05.18	Mr. Satyam Kr. Upadhyay	Electrical Deptt.	FDP on Achieving Excellence in Engineering Education	CSDE Shimla
49.	24.05.18	28.05.18	Mr. Prashant Singh	Electronics Deptt.	FDP on Achieving Excellence in Engineering Education	CSDE Shimla
50.	24.05.18	28.05.18	Mrs. Jyoti P. Singh	Electronics Deptt.	FDP on Achieving Excellence in Engineering Education	CSDE Shimla
51.	24.05.18	28.05.18	Mr. Shyam Tripathi	UNSIET Deptt.	FDP on Achieving Excellence in Engineering Education	CSDE Shimla
52.	24.05.18	28.05.18	Mr. CP Singh	Staff	FDP on Achieving Excellence in Engineering Education	CSDE Shimla
53.	02.06.18	08.07.18	Dr. Rajnish Bhasker	Electrical Deptt.	Visit to MandyaBanglore	Mandya

54.	18.06.18	22.06.18	Dr. Saurabh Pal	ME deptt.	PDT at IIM	Shillong
55.	20.06.18		Dr. Rajnish Bhasker	Electrical Deptt.	Workshop at AKTU	Lucknow
56.	21.06.18	25.06.18	Dr. Rajnish Bhasker	Electrical Deptt.	Workshop at ESCI	Gangtok
57.	21.06.18	25.06.18	Prof. B.B. Tiwari	Electronics Deptt.	Advance Padagogy& Management Capacity buildkdingtrainning for Engg. Faculty	Gangtok
58.	21.06.18	03.07.18	Mr. Dilip Yadav	CSE Deptt.	Visit to Mandya	Banglore
59.	25.06.18	29.06.18	Mr. Anil kr. Maurya	TEQIP-III	PDT at IIM khozikod	Khozikod
60.	25.06.18	30.06.18	Mr. Sanjeev Gangwar	CSE & IT	IOT Indore	Indore
61.	29.06.18	30.06.18	Dr. Rajnish Bhasker	Electrical Deptt.	Visit to PES college of Engg.	Mandya
62.	04.07.18	06.07.18	Dr. Rajnish Bhasker	ElecricalDeptt.	PDT at IIM Indore	Indore
63.	04.07.18	05.07.18	Mr. Satyam kr. Upadhyay & Mr. Anil Kr. Maurya	ElecricalDeptt. & TEQIP-III	Attend PFMS Training Programme	AKTU
64.	03.08.18	04.08.18	Dr. Rajnish Bhasker	Electrical Deptt.	Attending BoG Meeting	Mandya
65.	23.08.18	24.08.18	Prof. B.B. Tiwari & Dr. Saurabh Pal	Electrical & Electronics Deptt.	Conference & emerging Research In Electronic, computer science & Technology	PES college of Mandya
66.	27.08.18	31.08.18	Mr. Sudhir Singh	Electronics Deptt.	FDP at IED	Lucknow
67.	10.09.18	14.09.18	Mrs. Priyanka	Student Of Electrical	STP (APT-2018)	MNNIT Allahabad
68.	10.09.18	14.09.18	Mr. Manish Gupta	Asst. Professor	STP (APT-2018)	MNNIT Allahabad
69.	10.09.18	12.09.18	Mr. Deepak Singh	Electronics Deptt.	CEP at IIT Bombay	Bombay
70.	10.09.18	14.09.18	Prof. Ajay Pratap Singh	UNSIET VBSPU	PDT at IIM Shillong	Shillong
71.	11.09.18	12.09.18	Mr. Satyam Kr. Upadhyay	Electrical Deptt.	NBA Workshop at Lucknow	Lucknow
72.	25.09.18	29.09.18	Mrs. Jyoti P. Singh	Electronics Deptt.	PDT at IIM Shillong	Shillong
73.	03.10.18		Mr. Anurag Singh	EE Deptt.	International Conference GUCON-2018	Greater Noida
74.	11.10.18		Mr. Deep Praksh Singh	ME Deptt.	Recent Advance In Manufacturing	IIT BHU

75.	11.11.18	13.11.18	Prof. B.B. Tiwari	Electronics Deptt.	Discussion On Conference on Other Matters	PES college Mandya
76.	12.11.18	16.11.18	Mr. Deepak Kr. Singh	Electronics Deptt.	QIP Programme at IIT Bombay	Bombay
77.	19.11.18		Dr. Rajnish Bhasker	Electrical Deptt.	EAP Workshop	Chandigarh
78.	19.11.18	23.11.18	Mrs. Jyoti P. Singh	Electronics Deptt.	FDP on Modern Office Management at GOA	Goa
79.	23.11.18	25.11.18	Dr. Raj Kumar	Mathematics	International conference on applied and computational Mathematics at IIT	Kharagpur
80.	03.12.18	16.12.18	Mr. Sailesh Kr. Prajapati	EletronicsDeptt.	Workshop on Complex Fluid And Geophysical at IIT Kanpur	Kanpur
81.	17.12.18	21.12.18	Mr. Deepak Kr. Singh	EletronicsDeptt	FDP on Startup & Entrepreneurship IED Lucknow	Lucknow
82.	17.12.18	21.12.18	Dr. Mohammad Aneesh	EletronicsDeptt	FDP on Startup & Entrepreneurship IED Lucknow	Lucknow
83.	21.12.18	22.12.18	Prof. B.B. Tiwari	Electronics Deptt.	ISTRAC Lucknow	Lucknow
84.	26.12.18	30.12.18	Prof. B.B. Tiwari	Electronics Deptt.	STP/ FDP	Kanyakumari
85.	02.01.19	09.01.19	Mr. Dilip Kumar Yadav	CSE Deptt.	PES College Of Mandya	Mandya
86.	02.01.19	08.01.19	Satyam Upadhyay	Electrical Deptt.	Workshop PES College Of Mandya	Mandya
87.	04.02.19	08.02.19	Dr. Rajnish Bhasker	Electrical Deptt.	Mentor ProgrammeIn Different Article	
88.	09.02.19		Prof. B.B. Tiwari	Electronics Deptt.	BoG Meeting	PES college Of Mandya
89.	09.02.19	23.02.19	Mr. RiteshBaranwal	Electronics Deptt.	STP & Fundamental Characterization	IIT Kanpur
90.	11.02.19	15.02.19	Mr. Sailesh Prajapati	EC Deptt.	CEP Course on Scientific Computing with Python For Electrical Engg.	IIt Bombay
91.	19.02.19	20.02.19	Mr. Satyam Kr. Upadhyay	Electrical Deptt.	Attending UAT Testing at NPIU	New Delhi
92.	19.02.19		Prof. B.B. Tiwari	Electronics Deptt.	Twinning Instruction Organized By SPIU	Karnataka at Bangalkot
93.	19.02.19	23.02.19	Mr. Deepak Kumar Singh	Electronics Deptt.	CEP Programme at IIT Delhi	Delhi
94.	19.02.19	23.02.19	Mr. Sudhir	Electronics	Attending STP Course	IIT Kanpur

			Singh	Deptt.		
95.	20.02.19		Mr. Sailesh Prajapati	EC Deptt.	Twinning Related Activity	PES college of Mandya
96.	20.02.19		Mr. Ravi Kant Yadav	CSE Deptt.	Workshop at PES College Of Mandya	Mandya
97.	20.02.19		Mr. Ankush Gaurav	ME Deptt.	Twinning Related Activity	PES College of Mandya
98.	20.02.19		Mr. Himanshu Tiwari	ME Deptt.	Twinning Related Activity	PES College of Mandya
99.	20.02.19		Mr. Anurag Singh	Electrical Deptt.	Twinning Related Activity	PES College of Mandya
100.	27.02.19		Prof. B.B. Tiwari	Electronics Deptt.	Art of Leaving Programme	IED Lucknow
101.	22.03.19	23.03.19	Dr. Saurabh Pal	MCA Deptt.	FDP at Pondicherry	Pondichery
102.	22.03.19	23.03.19	Prof. B.B. Tiwari,	Electronics Deptt.	FDP at Pondichery	Pondichery
103.	22.03.19	23.03.19	RK Upadhyay		FDP at Pondichery	Pondichery
104.	14.04.19		Dr. Rajneesh Bhasker	Electrical deptt.	Art of Living	Bangalore
105.	19.04.19		Prof. B.B.Tiwari		Conference on Digital Padagogy	
106.	25.09.19	29.09.19	Mrs. Jyoti P Singh	Electronics Deptt.	PDT at IIM	Shillong
107.	15.03.19	16.03.19	Dr. Ravi Prakash	ElecronicsDeptt.	Attending Workshop at National Conference	Pune
108.	31.03.19	03.04.19	Mr. Satyam Kr. Upadhyay	Electrical Deptt.	Workshop at Digital Padagogy	New Delhi
109.	31.03.19	03.04.19	Prof. B.B. Tiwari	Electronics Deptt.	Workshop at Digital Padagogy	New Delhi
110.	31.03.19	03.04.19	Dr. Rajnish Bhasker	Electrical Deptt.	Workshop at Digital Padagogy	New Delhi
111.	31.03.19	03.04.19	Dr. Ravi Prakash	Electronics Deptt.	Workshop at Digital Padagogy	New Delhi
112.	31.03.19	03.04.19	Mr. Saurabh V. Kumar	Electrical Deptt.	Workshop at Digital Padagogy	New Delhi
113.	21.03.19	27.03.19	Mr. Deepak Singh	Electronics Deptt.	STP on Recent Trends in Wireless Multimedia communication Programme	PES Pondichery (UT)
114.	27.03.19		Dr. Rajnish Bhasker	EletricalDeptt.	3rd SSC Meeting at SPIU	Lucknow
115.	30.04.19		Dr. Rajnish	EletricalDeptt.	PPR Review meeting at	New Delhi

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			Bhasker		NPIU	
116.	15.04.19		Dr. Rajnish Bhasker	EletricalDeptt.	Video Conferencing at AKTU SPIU meeting	Lucknow
117.	09.05.19	13.05.19	Mr. Satyam Kr. Upadhyay	EletricalDeptt.	Attending FDP Programme at Lakshadweep	Lakshadweep
118.	09.05.19	13.05.19	Dr. Rajnish Bhasker	EletricalDeptt.	Attending FDP Programme at Lakshadweep	Lakshadweep
119.	09.05.19	13.05.19	Prof. B.B. Tiwari	Electronics Deptt.	Attending FDP Programme at Lakshadweep	Lakshadweep
120.	09.05.19	13.05.19	Dr. Ravi Prakash	Electronics Deptt.	Attending FDP Programme at Lakshadweep	Lakshadweep
121.	24.03.19	28.03.19	Dr. Ravi Prakash	Electronics Deptt.	Attending Management Development Programe for Teaching staff	OOTY
122.	24.03.19	28.03.19	Dr. Rajnish Bhasker	EletricalDeptt.	Attending Management Development Programe for Teaching staff	OOTY
123.	24.03.19	28.03.19	Jaya Shukla	EletricalDeptt.	Attending Management Development Programe for Teaching staff	OOTY
124.	24.03.19	28.03.19	Preti Sharma	Electronics Deptt.	Attending Management Development Programe for Teaching staff	OOTY
125.	11.03.19	15.03.19	Mr. Vishal Yadav	Electronics Deptt.	Attending FDP On DCR at University of Haryana Sonipat	Sonipat
126.	03.05.19		Dr. Rajnish Bhasker	EletricalDeptt.	Workshop on PSMS & Review Of Procurement & Expenditure at SPIU	Lucknow
127.	06.05.19	10.05.19	Mr. Manish Kr. Gupta	Electrical Deptt.	Attending FDP at REC Sonebhadra	Sonebhadra
128.	25.05.19	29.05.19	Mr.Sailesh Kr. Prajapati	Electronics Deptt.	Attending FDP at Shri Vaishno Devi University, Katra (J&K)	Katra (J&K)
129.	25.05.19	27.05.19	Mr. Sushil Kr. Prajapati		Workshop On Management capacity Building ProgrammeOrganised By ESCI	ESCI
130.	27.05.19	29.05.19	Prof. B.B. Tiwari	Electronics Deptt.	Visiting Mentor Institute PES Engg. CollegeMandya at Banglore	Banglore
131.	28.05.19	30.05.19	Mr. C.P. Singh	Electronics	"Management Capacity	IIT KANPUR

				Deptt.	Building TrainningforNon-Teaching,Administrative, Library, And Finance staff. Technicians	
132.	30.05.19	31.05.19	Dr. Rajnish Bhasker	Electrical Deptt.	Workshop on Twinning Activity on Lucknow	Lucknow
133.	07.06.19		Dr. Rajnish Bhasker	Electrical Deptt.	Attending 4th SSC & Review Meeting at SPIU	Lucknow
134.	08.06.19	09.06.19	Prof. B. B. Tiwari	EletronicsDeptt.	Attending Meeting at SPIU Delhi	Delhi
135.	18.06.19	22.06.19	Dr. Saurabh Pal	Electrical Deptt.	FDP on NBA at Gangtok (National Workshop)	Gangtok
136.	18.06.19	22.06.19	Mrs. Jyoti P. Singh	Electrical Deptt.	FDP on NBA at Gangtok (National Workshop)	Gangtok
137.	18.06.19	22.06.19	Mr. Deep Prakash Singh	ME Deptt.	FDP on NBA at Gangtok (National Workshop)	Gangtok
138.	18.06.19	22.06.19	Mr. Saurabh v. Kumar	Electrical Deptt.	FDP on NBA at Gangtok (National Workshop)	Gangtok
139.	18.06.19	22.06.19	Mr. Stayam Kr. Upadhyay	Electrical Deptt.	Attending Workshop on NBA and NAAC Accrediation at Gangtok	Gangtok
140.	18.06.19	22.06.19	Dr. Ravi Prakash	Electrical Deptt.	Attending Workshop on NBA and NAAC Accrediation at Gangtok	Gangtok
141.	18.06.19	22.06.19	Dr. Saurabh Pal	Electrical Deptt.	Attending Workshop on NBA and NAAC Accrediation at Gangtok	Gangtok
142.	18.06.19	22.06.19	Mrs. Jyoti P. Singh	Electrical Deptt.	Attending Workshop on NBA and NAAC Accrediation at Gangtok	Gangtok
143.	18.06.19	22.06.19	Mr. Deep Prakash Singh	ME Deptt.	Attending Workshop on NBA and NAAC Accrediation at Gangtok	Gangtok
144.	22.06.19	25.06.19	Mrs. Jyoti P. Singh	Electronic Deptt.	Attending Workshop on NBA at PES Mandya	Mandya
145.	24.06.19	01.07.19	Mr. M.K. Singh	Finance Officer	Attending Conference related to TEQIP-III	
146.	25.06.19	29.06.19	Dr. Rajnish Bhasker	Electrical Deptt.	FDP Programme on National Workshop at Leh/ Laddakh	Leh/Ladakh
147.	25.06.19	29.06.19	Prof. B.B. Tiwari	Electronic Deptt.	FDP Programme on National Workshop at Leh/ Laddakh	Leh/Ladakh
148.	25.06.19	29.06.19	Dr. Saurabh Pal	Electrical Deptt.	FDP Programme on National Workshop at Leh/ Laddakh	Leh/Ladakh

149.	25.06.19	29.06.19	AnimeshBisaria		FDP Programme on National Workshop at Leh/ Laddakh	Leh/Ladakh
150.	25.06.19	29.06.19	Mr. RK Upadhyay		FDP Programme on National Workshop at Leh/ Laddakh	Leh/Ladakh
151.	25.06.19	29.06.19	Mr. M.K. Singh	Finance Officer	FDP Programme on National Workshop at Leh/ Laddakh	Leh/Ladakh
152.	08.07.19	09.07.19	Dr. Giridhar Mishra	RajjuBhaiya	Attending conference at Mathura	Mathura
153.	08.07.19	09.07.19	Dr. Punit Dhawan	RajjuBhaiya	Attending Conference at Mathura	Mathura
154.	15.07.19	19.07.19	Dr. Mohd. Aneesh	Electronics Dept.	Attending FDP on Recent Advances in VLSI Design and Hands-on with Cadence tool at PES Mandya	Mandya
155.	15.07.19	19.07.19	Mr. Vishal Yadav	Electronics Dept.	Attending FDP on Recent Advances in VLSI Design and Hands-on with Cadence tool at PES Mandya	Mandya
156.	01.08.19	03.08.19	Dr. Giridhar Mishra	RajjuBhaiya	Attending meeting of Executive Council of Ultrasonic Society of India at New Delhi	New Delhi
157.	10.08.19	14.08.19	Mr. Deepak Singh	Electronics Deptt.	Attending Workshop on Big Data Analytics and Stream Processing at IIIT Allahabad	Allahabad
158.	10.08.19	14.08.19	Mr. Prem Chand	Electronic Deptt.	Attending Workshop on Big Data Analytics and Stream Processing at IIIT Allahabad	Allahabad
159.	19.08.19	20.08.19	Prof. B.B. Tiwari	Electronic Deptt.	Symposium on collaborative Research at Mysore	Mysore
160.	19.08.19	20.08.19	Dr. Rajnish Bhasker	Electrical Deptt.	Symposium on collaborative Research at Mysore	Mysore
161.	19.08.19	20.08.19	Dr. Amrendra Kr. Singh	Chemistry	Symposium on collaborative Research at Mysore	Mysore
162.	19.08.19	20.08.19	Dr.Raj Kumar	Mathematics	Symposium on collaborative Research at Mysore	Mysore
163.	19.08.19	20.08.19	Dr. Santosh	Physics	Symposium on	Mysore

			kumar		collaborative Research at Mysore	
164.	10.08.19	15.08.19	Mr. Prem Chandra	Electronics Deptt.	Visit to attend FDP at IIIT	Allahabad
165.	26.08.19	30.08.19	Dr. Rashi Kesh	VBSPUJ	Attending PDT at IIM Raipur	Raipur
166.	29.08.19		Dr. Rajnish Bhasker	Electrical Deptt.	Workshop academic plan enhancing skill placement meeting at SPIU Lucknow	Lucknow
167.	03.09.19		Mr. Satyam Kr. Upadhyay	EletricalDeptt.	Workshop Of Mobilizing Philanthropic financial support to higher education and involving alumni and external stakeholder	
168.	03.09.19		Dr. Rajnish Bhasker	EletricalDeptt.	Workshop Of Mobilizing Philanthropic financial support to higher education and involving alumni and external stakeholder	
169.	19.10.19	22.10.19	Mr. Deepak Kr. Singh	EletronicsDeptt.	International Conference ofn "Optics & Electro – optics	Raipur, Dehradun, Uttarakhand
170.	19.10.19	22.10.19	Mr. Praveen Kr. Singh	EletronicsDeptt.	International Conference ofn "Optics & Electro – optics	Raipur, Dehradun, Uttarakhand
171.	20.09.19		Mr. Satyam Kr. Upadhyay	EE	Attending Mobilizing philanthropic to higher education (World Bank Workshop)	New Delhi
172.	20.09.19		Dr. Rajnish Bhasker	EE	Workshop academic Plan Enhancing skill Placement meeting at SPIU Lucknow	SPIU Lucknow
173.	20.09.19		Mr. Satyam Kr. Upadhyay	EE	Attending Mobilizing philanthropic to higher education (World Bank Workshop)	New Delhi
174.	20.09.19		Dr. Rajnish Bhasker	EE	Workshop academic Plan Enhancing skill Placement meeting at SPIU Lucknow	SPIU Lucknow
175.	21.09.19		Dr. Sandip Kumar Singh	ME	Attending AICTE Meeting at New Delhi	New Delhi
176.	21.09.19		Mr. Sushil Kr. Prajapati		Workshop on management capacity	Ooty

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					building program organized by ESCI	
177.	21.09.19		Dr. Sandip Kumar Singh	ME	Attending AICTE Meeting at New Delhi	New Delhi
178.	21.09.19		Mr. Sushil Kr. Prajapati		Workshop on management capacity building program organized by ESCI	Ooty
179.	26.09.19	27.09.19	Dr. Rajneesh Bhasker	EE	Participation in Conference	ICRTEMS 2019/ Faridabad
180.	26.09.19	27.09.19	Mrs. Shweta Singh	EE/ Research Scholar	Participation in Conference	ICRTEMS 2019/ Faridabad
181.	28.09.19		Mr. Manish kr. Gupta		Attending ICCAFF conference at REC Sonbhadra(Paper Presentation)	REC Sonbhadra
182.	30.09.19	05.10.19	Mr. Manish Gupta	ME	FDP on Processing and Application of Composite Materials	PES Mandya
183.	30.09.19	05.10.19	Mrs Ekta Gupta	ME	FDP on Processing and Application of Composite Materials	PES Mandya
184.	26.09.19	27.09.19	Dr. Rajneesh Bhasker	EE	Participation in Conference	ICRTEMS 2019/ Faridabad
185.	26.09.19	27.09.19	Mrs. Shweta Singh	EE/ Research Scholar	Participation in Conference	ICRTEMS 2019/ Faridabad
186.	11.10.19		Dr. Sandip Kumar Singh	ME	Attending skills for Industry 4.0 exploratory meeting	IIT DELHI
187.	19.10.19	22.10.19	Mr. Deepak Kumar Singh	ECE	FDP on Optics and Electro optics	Instruments R&D Establishment Dehradoon
188.	19.10.19	22.1019	Mr. Praveen Kumar singh	ECE	FDP on Optics and Electro optics	Instruments R&D Establishment Dehradoon
189.	13.12.19	14.12.19	Mr. Deepak Kumar Singh	ECE	Attending FDP	IIT GUWAHATI
190.	04.11.19	09.11.19	Mr. Satyam Kr. Upadhyay	Electrical Deptt.	Attending STP on Modeling And real time Implementation of electrical Systems	NITTR Chandigarh
191.	04.11.19	09.11.19	Mr. Saurabh Kumar	Electrical Deptt.	Attending STP on Modeling And real time Implementation of electrical Systems	NITTR Chandigarh

192.	5.11.19		Mr. Deepak kr. Singh	Eletronicsdeptt.	Attending collaborative research in the area of Fiber optics and Optical Communication,	DeenbandhuChotu Ram University, Science and Technology, Sonipat
193.	5.11.19		Prof. B.B. Tiwari	Eletronicsdeptt.	Attending collaborative research in the area of Fiber optics and Optical Communication	DeenbandhuChotu Ram University, Science and Technology ,Sonipat
194.	13.12.19	14.12.19	Prof. B.B. Tiwari	Eletronicsdeptt.	Workshop on Recent Advances in Photonics by WRAP	IIT Guwahati
195.	13.12.19	14.12.19	Mr. Deepak Kr Singh	Eletronicsdeptt.	Workshop on Recent Advances in Photonics by WRAP	IIT Guwahati
196.	27.12.19		Prof. B.B. Tiwari	Eletronicsdeptt.	Visit for SMC UAF Lucknow for TEQIP III Related Activity	Lucknow
197.	28.12.19		Mr. Deep Prakash Singh	ME Deptt.	FDP Program Organised VBSPU Jaunpur	Jaunpur
198.	22.01.20		Mr. Deepak Kr Singh	ElecronicsDeptt.	ICEECS-2020 VBSPU Jaunpur	Jaunpur
199.	18.02.20		Prof. B B Tiwari	EletronicsDeptt.	Workshops on "Gender Sensitization and Women Empowerment"	Varanasi
200.	18.02.20		Mr. Rajneesh Bhasker	Electrical Deptt.	Workshops on "Gender Sensitization and Women Empowerment"	Varanasi
201.	18.02.20		Mr. Deepak kr. Singh	EletronicsDeptt.	Workshops on "Gender Sensitization and Women Empowerment"	Varanasi
202.	18.02.20		Dr. Vandana Rai		Workshops on "Gender Sensitization and	Varanasi

					Women Empowerment"	
203.	18.02.20		Mrs. Preeti	Electronics Deptt	Workshops on "Gender Sensitization and Women Empowerment"	Varanasi
204.	18.02.20		Mrs. Jaya	Electrical Deptt.	Workshops on "Gender Sensitization and Women Empowerment"	Varanasi
205.	18.02.20		Mr. Ramji Singh	Staff	Workshops on "Gender Sensitization and Women Empowerment"	Varanasi
206.	18.02.20		Mr. Shyam Tripathi	Staff	Workshops on "Gender Sensitization and Women Empowerment"	Varanasi
207.	18.02.20		Mr. C P Singh	Staff	Workshops on "Gender Sensitization and Women Empowerment"	Varanasi
208.	27.02.20		Dr. Sandip Kr. Singh	ME Deptt.	Attending Conference at PES College Of Mandya	Mandya
209.	06.03.20	07.03.20	Prof. B.B. Tiwari	Electronics Deptt.	Attending Workshop at IWSA Washi	Navi Mumbai
210.	06.03.20	07.03.20	Mr. Deepak kr. Singh	Eletronicsdeptt.	Workshop on Laser optics and Optical Communication	IWSA, Navi Mumbai
211.	06.03.20	07.03.20	Mr. Ravi Prakash	Eletronicsdeptt.	Workshop on Laser optics and Optical Communication	IWSA, Navi Mumbai
212.	06.03.20	07.03.20	Mrs. Jyoti P Singh	Eletronicsdeptt.	Workshop on Laser optics and Optical Communication	IWSA, Navi Mumbai
213.	31.12.20		Dr. Rajnish Bhasker	Electrical Deptt.	Relevance Of INDIAN Science & Technology in Govt. Perspective (Workshop at AGRA)	AGRA

ANNEXURE 1

Veer Bahadur Singh Purvanchal University, Jaunpur
Uma Nath Singh Institute of Engineering & Technology
Technical Education Quality Improvement Programme
(TEQIP-III)

Report On INDUCTION PROGRAM For First Year Students
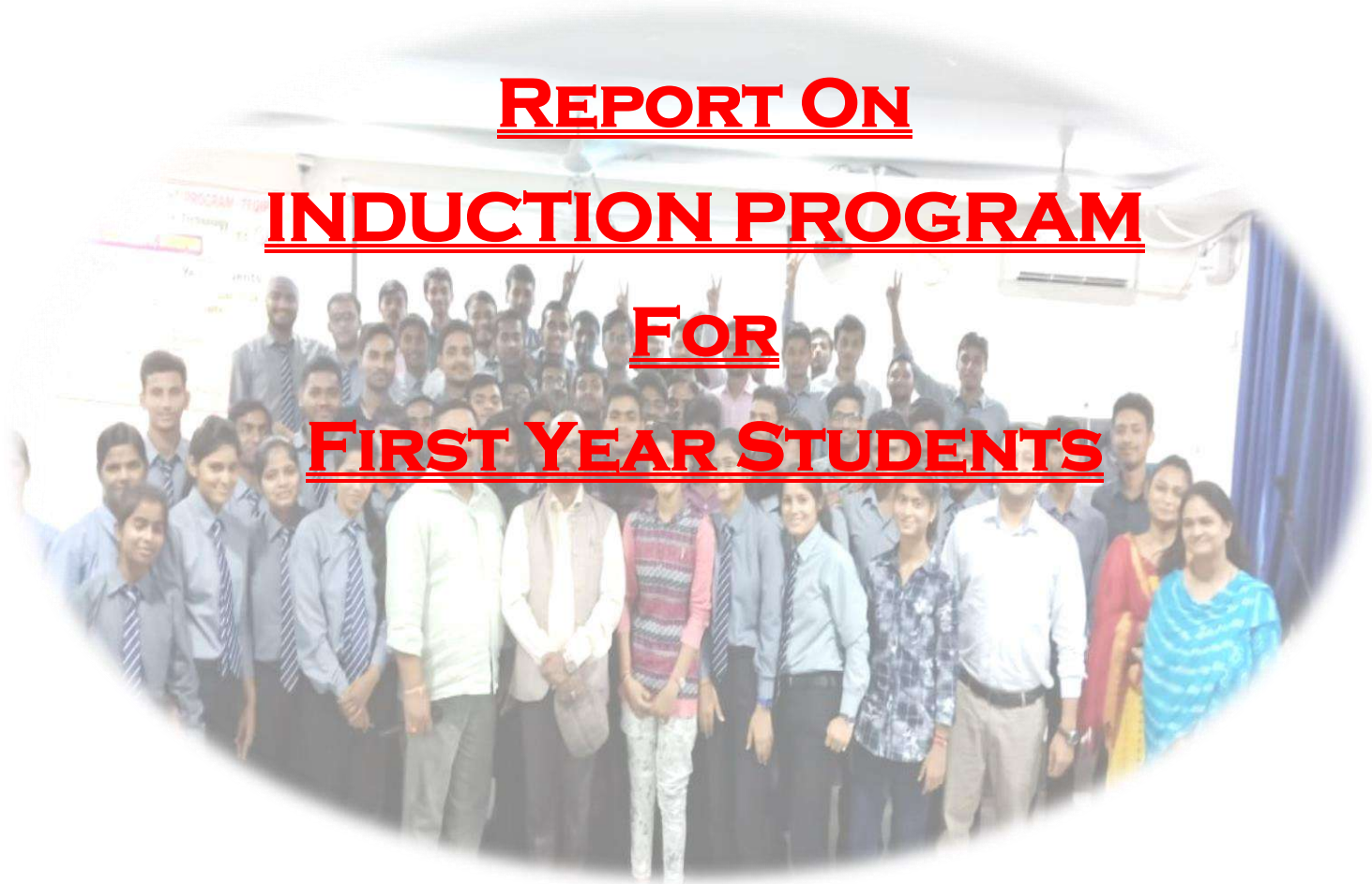
DURATION: 10/08/2018 TO 31/08/2018

3 weeks program:

Date			Group A	Group B	Group C
10 Aug			Initially the registration is to be done/Inaugural function		
11.08.18	Morning		Sports/Physical Activities Test to check the proficiency and basic mathematics		
	Eve nin g		**Proficiency Class**	**Creative arts**	Expert talk by **Prof. P C Patanjali**

Date				
				(Orientation session) (2-3 pm)
				Basic mathematics(03:30-4:30)
12.08.18		Sports/Physical Activities		
		Expert talk by **Prof. P C Patanjali (Orientation session) (10-11 am)**	Expert talk by **Prof. P C Patanjali (11:30-12:30 pm)**	**Creative arts (11:00am – 2:00pm)**
		Session on Proficiency **by Dr. Praveen Prakash, Uttar Pradesh Rajya Vishvavidyalaya, Allahabad (12:00-2:00pm)**	**Proficiency Class (01:00-3:00)**	
13.08.18		YOGA (6am-8am) Sports/Physical Activities	Sports/Physical Activities	
	Evening	**Creative arts**	Session on Proficiency **by Dr. Praveen Prakash, Uttar Pradesh Rajya Vishvavidyalaya, Allahabad (02:00-4:00 pm)**	**Proficiency Class**
14.08.18	Morning	YOGA (6am-8am) Sports/Physical Activities	Sports/Physical Activities	
	Evening	**INDUSTRIAL VISIT**	**Basic mathematics**	Session on Proficiency **by Dr. Praveen Prakash, Uttar Pradesh Rajya Vishvavidyalaya, Allahabad (02:00-4:00 pm)**
16.08.18		*Session of Art of Living* 08:00 am to 11:00 am	*Session of Art of Living* 11:30 am to 02:30 pm	*Session of Art of Living* 03:30 pm to 06:30 pm
		Session on Proficiency by **Ms. Vandana Sheoran, Bhiwani (3:00-4:30 pm)**	Session on Proficiency by **Ms. Vandana Sheoran, Bhiwani (09:30-11:00 am)**	Session on Proficiency by **Ms. Vandana Sheoran, Bhiwani (12:30-2:00 pm)**
17.08.18		*Session of Art of Living* 03:30 pm to 06:30 pm	*Session of Art of Living* 08:00 am to 11:00 am	*Session of Art of Living* 11:30 am to 02:30 pm
		Basic maths (10:00-11:30)	**INDUSTRIAL VISIT**	Literary Session (9:30-11:15 am)
				Session on

			Creative arts(12:00-2:00pm)		Proficiency by **Ms. Vandana Sheoran, Bhiwani (03:00-4:30 pm)**
18.08.18			*Session of Art of Living* 11:30 am to 02:30 pm	*Session of Art of Living* 03:30 pm to 06:30 pm	*Session of Art of Living* 08:00 am to 11:00 am
			Basic maths (09:30-11:00)	**Creative arts (10:00-12:00 am)**	**Basic maths (12:00-1:30)**
			Session on Proficiency by **Ms. Vandana Sheoran, Bhiwani (3:00-4:30 pm)**	Session on Proficiency by **Ms. Vandana Sheoran, Bhiwani (12:30-2:00 pm)**	**Creative arts (2:00-4:30pm)**
19 Aug			**VISIT to CITY**		
20.08.18	Morning		Physical activities/sports	YOGA (6am-8am) Sports/Physical Activities	Physical activities/sports
	Evening		Session on Naturopathic Science & Yoga by **Dr. Chhaya Singh (02:00-03:00 pm)**	Session By **Prof. I. RAMACHANDRA REDDY PRINCIPAL & DIRECTOR – CBIT, Hyderabad (2–4:00 pm)**	Session by **Prof. A.P. Natarajan, Director Victoria Training Foundation, Chennai (02:00-04:00 pm)**
			Literary class (3:30-4:30)		
21.08.18	Morning		Physical activities/sports	YOGA (6am-8am) Sports/Physical Activities	Physical activities/sports
	Evening		Session By **Prof. I. RAMACHANDRA REDDY PRINCIPAL & DIRECTOR – CBIT, Hyderabad (2:00–04:00 pm)**	Session by **Prof. A.P. Natarajan, Director Victoria Training Foundation, Chennai (02:00-04:00 pm)**	Session on Naturopathic Science & Yoga by **Dr. Chhaya Singh (02:00-03:00 pm)**
					Session on Corporate Ethics by **Dr. Anuradha Dhara, HR & Corporate Trng, Dell Services, Hyderabad (03:30-5:00 pm)**
22.08.18	Morning		Cricket match between CS/IT vs ME vs EE vs EC/EI KHO KHO for girls/ badminton		YOGA (6am-8am) Sports/Physical Activities
	Evening		Session by **Prof. A.P. Natarajan, Director Victoria Training Foundation,**	Session on Corporate Ethics by **Dr. Anuradha Dhara, HR & Corporate Trng, Dell Services, Hyderabad**	Session By **Prof. I. RAMACHANDRA REDDY**– CBIT, Hyderabad**(10:00–**

		Chennai(10:00-11:30 am)	(10:00-11:30pm)	12:30 pm)
		Session on Corporate Ethics by **Dr. Anuradha Dhara, HR & Corporate Training, Dell Services, Hyderabad (12:00-01:30 pm)**	Session by **Dr. Kalyana Chakravarthi, founder-knowledge, attitude & skills Services (12:00-2:00 pm)**	Session on Naturopathic Science & Yoga by **Dr. Chhaya Singh (12:30-01:30 pm)**
23.08.18	Morning	Cricket match between CS/IT vs ME vs EE vs EC/EI KHO KHO for girls/ badminton		YOGA (6am-8am) Sports/Physical Activities
	Evening	Session by **Dr. Kalyana Chakravarthi, founder-knowledge, attitude & skills Services(02:00-04:00pm)**	**Dr Sarvesh Kumar Mathematics/Basic mathematics (2-4 pm)**	**INDUSTRIAL VISIT**
24.08.18	Morning	Final Cricket match between CS/IT vs ME vs EE vs EC/EI KHO KHO for girls/ badminton		
	Evening	**Dr Sarvesh Kumar Mathematics/ Basic mathematics (2-4 pm)**	**Literary class**	Session by **Dr. Kalyana Chakravarthi, founder-knowledge, attitude & skills Services(02:00-04:00pm)**
25 Aug		**INDUSTRIAL VISIT**		
27 Aug		Session by internal faculties		
28 Aug		Session by internal faculties		
29 Aug		Induction talk By Prof. R K Singh, KNIT Sultanpur		
30 Aug		Session by internal faculties		
31 Aug		Session by internal faculties		

Coordinators for various activities for Induction Program of First Year Students

Patron: *Prof. A K Srivastava (Dean)*
Co-Patron: *Prof. B.B.Tiwari (coordinator TEQIP III)*
Coordinator: *Mrs. Jyoti Prashant Singh*

S. No.	Activity	Name of Coordinator
1.	Group A- CS & IT	Mr. Amrendra Singh & Mr. Saurabh Singh
	Group B- ME & EI	Mr. Shailesh Prajapati & Miss. Vandana Singh
	Group C- EE & EC	Dr. Kamlesh Pal & Miss. Jaya Shukla

2.	Test	Proficiency	Miss. Vandana Singh
		Math	Dr. U R Prajapati & Dr. R K Soni
3	Sports		Mr. Saurabh V. Kumar Mr. Satyam Upadhyay Mrs. Priti Sharma
4	Expert Refreshment /All Hospitality		Dr. Amrendra Singh Mr. Ritesh Baranwal Mr. Tushar Srivastva Mr. Dilip Yadav Mr. Shashank Dubey Dr. Ram Naresh Yadav Mr. Praveen Singh
5	Session of Art of Living		Dr. Santosh Kumar Dr. Rajnish Bhaskar
6	Industrial visit		Mr. Vishal Yadav Mr. Ajay Kumar Maurya Mr. Ashok Kumar Yadav Mr. Ritesh Srivastava Ms. Poonam Sonkar Ms. Jaya Shukla Mr. Saurabh V Kumar Mr. Shashank Dubey Md. Rehan
7	Local Visit		Mr. Vishal Yadav Mr. Ajay Kumar Maurya Mr. Ashok Kumar Yadav Mr. Ritesh Srivastava Ms. Poonam Sonkar Ms. Jaya Shukla Mr. Saurabh V Kumar Mr. Shashank Dubey Md. Rehan
8	Literary session/ Proficiency Session		Dr. Kamlesh Pal Miss. Vandana Singh
9	Basic Math		Dr. R K Soni Dr. U R Prajapati
10	Creative Art		Mr. Sudhir Singh Miss Poonam Sonkar
11	Technical Experts	Vishwesariya Hall	Mr. Anil Maurya
		Pharmacy Hall 1	Mr. Prashant Yadav
		PharmacyHall 2	Mr. Satyam Upadhyay

Summary of various events organised

Expert Talks on Induction:

Outside experts of renowned stature were invited to deliver talk on induction to the students. These included people who have made a dent in higher education due to their presence in academics. Prof P C Patanjali, former Vice –Chancellor of VBS Purvanchal University and Bhagalpur University ,Prof I. Ramchandra Reddy, Prof. P.Natarajan and others are few amongst this group. Prof. Ramachandra Reddy from Hyderabad deliberated on engineering ethics, Prof Natarajan on good learning practices, Dr Anuradha Dhara spoke on HRD issues, Prof Patanjali on Engineering and Management education, Prof Kalyan Chakravarti on English language Teaching and Learning, Ms. Vandana Sheron on English comprehension and professional communication, Prof. Praveen Prakash spoke about Professional Communication, Dr Chhaya Singh on Naturopathy and Prof. R K Singh on emerging trends.

Art of Living : Program on Art of Living was gives to the students for 3 days for Sudarshan kriya and related yoga and Breathing aspects, Dr Anurag Singh & Mrs Niharika Srivastava from this organization demonstrate and trained the student under lot of pressure and tension which the students enjoyed to full.

Yoga: Program on Yoga within the campus by Yoga Team running in the university campus was given to students in batches. This look off the inertia and students accepted its advantages etc. Students participated in the morning yoga activities on a regular basis for a week.

Industry visit: All the students in six buses were taken to the neighbouring industries in Satharia industrial Area for their first time ever visit to Industries. The program was well taken by the students. As the performance of an engineer and environment of industries are interwoven, the fabric prepared covers the society for a comfortable living. From this viewpoint the budding engineers appreciated the environment.

City Visit: The students visited the Historical spots in Jaunpur/the city of Varanasi ,The Ramnagar Fort and Sarnath. This provided them exposure to nearby cultural legacy.

Sports: Various sports activities were taken up. This included cricket/ Kho-Kho/ Volley ball/ Basketball / Badminton and others.

<u>Other Creative Program:</u> Dance ,Singing ,Rangoli, Essay Writing and other competition were organized. In all competitive activities students will be felicitated organizing a ceremony for the purpose.

<u>A more look into the various events:</u>

DATE:-10/08/2018

Time - 14:00 ….. INAUGURAL FUNCTION

1.   All new comers were invited at VISHVESHWARAIYA HALL and they were introduced to this induction program

2.   Prof V. Gangadharan Chief Guest, Prof. Tiwari, Dr. Rajnish Bhasker along with Prof. A K Srivastava inaugurated the event.

3.   They announced the starting of 3 weeks INDUCTION PROGRAM and told them the importance of attending this program.

4.   Prof. B. B. Tiwari heartily welcomed all students and told them about T.E.Q.I.P. & its importance.

5.   Students were invited near the stage to give introduction about them.

1. SPORTS / PHYSICAL ACTIVITIES

1.1 From here we started various physical activities

1.2 This involved a daily routine of physical activity with games and sports. It started with all students coming to the field at 6 am for light physical exercise or yoga. Each student picked up one game or two and practiced the same. Various other activities like jogging, gardening, watering plants or other suitably designed activity where labor yields fruits from nature were performed everday.

1.3 In early morning, Students were called in Ekalavya Stadium to participate in different sports and activities.

1.4 Students were divided in two groups making each group perform some physical activities and a warm-up run along the boundary of stadium.

1.5 According to students interest different sports were provided to them and the list of students were prepared majorly in Basket ball, Volley ball, Badminton etc.

2. PROFICIENCY & MATEHEMATICS TEST

2.1 A test for proficiency and basic mathematics was conducted to check the knowhow of the students.

2.2 Each paper had a time limit of 45 min.

2.3 This paper was made to check the fluency of language and mathematics of students..

3. Expert Talk by Prof. P C Patanjali where he told our students the importance of education in day to day life.

4. Sessions for basic mathematics were taken by internal faculty members Dr. Prajapati and Dr. Raj Kumar Soni.

5. Classes for English Language were taken again by internal faculty members Dr. Kamlesh and Dr. Vandana

6. Students were motivated to participate in various co curricular activities so that there hobbies and creativity never dies. These were taken up by Ms. Poonam Sonkar, Mr. Sudhir Kumar and others.

1. **Expert Lecture BY PROF. PC PATANJALI**

1.1 He told the students that elders are the roots of a family tree in which we are newly born fruits

1.2 He explained to the students about the different stages of life and duty & responsibilities etc.

2. **Proficiency Class by internal faculty**

2.1 Format of Formal Letter and report were told to students.

2.2 Useful information about technical communication.

3. Expert Lecture By Prof. Praveen Prakash on basic Communication

4. Creative Arts sessions.

YOGA / SPORTS/ Various Physical Activities

1. All students gained the knowledge about good health.
2. How to get fit and how important our body play the role in health of our life.
3. How YOGA & SPORT help to do it.

PROFICIENCY CLASS BY DR. Praveen Prakash

1. He taught all students about a difference between General communication & Technical communication.
2. How to communicate respectfully with others.

1. YOGA/SPORTS: Students did YOGA and also participated in sports with each student in his/her own game.

2. BASIC MATHEMATICS:

1. Students were made to know about the importance of Mathematics.
2. He told about the Indian mathematician and their huge role in field of Mathematics.

3. **Expert Lecture by Dr. Praveen Prakash**

4. **Industrial Visit of Students of group A**

DATE-16/8/2018

PROFICIENCY CLASS OF MS. VANDANA SHEORAN

1. She provided students lot of professional knowledge in each aspect of engineering life.
2. She taught some fundamental important point to all students (observation, result, commonsense, self-respect,)

SESSION OF ART OF LIVING (16-18.08.2018)

1. Students learn to love themselves and things related to them.
2. Students get to know our environment and the people retaliated to them.

CREATIVE ART'S

- Students participate in essay writing, debate, sketching.
- Students also participate in dance, singing, etc
- Some student participates in debate & some participate in sketching.

SESSION OF ART OF LIVING

- Students learn how to give our 100 percentage.
- How to get happy in all work.
- And how to get calm in all difficult situation to recite 'OM'.
- And 5 energy sources in our life (food, sleep, breath, mind, soul).

Time -08:00AM-10:00PM…….VISIT TO CITY

- All the students of ME, EC, EI, CS, IT, EE went on city visit to Varanasi.
- There we went in Ramgarh Fort & Sarnath Temple and learnt about many pre-historic equipments of ancient times.
- Each one of them learnt about our ancestors and about their livelihoods.

1. **YOGA / SPORT**
1.1 All students gain the knowledge about good health.
1.2 How to get fit and how important our body play the role in health of our life.
1.3 How YOGA & SPORT help to do it.

2. **SESSION BY PROF. I. RAMACHANDRA REDDY**
2.1 He taught all students about the punctuality towards time.
2.2 He also told that how coding is becoming must in day-to-day life.

3. **SESSION BY PROF. A. P. NATRAJAN**

He motivated students for engineering and talked about Stress Management

4. **SESSION BY DR. CHAAYA SINGH**

Ma'am very easily demonstrated about Naturopathy and Yogic Sciences. She talked about incorporating basic daily routines in day to day life.

1. There were sessions by Dr. Chaaya Singh, Prof. Reddy, Prof Natrajan

2. SESSION BY DR. ANURADHA DHARA

2.1 She taught about the career in engineering sectors & how can we perform in it and also she asked questions related to students professional and personal life.

2.2 She talked about corporate ethics

2.3 She told about challenges prevailing in corporate sector.

1.   Industrial Visit of Group C
2.   Session by Dr. Sarvesh Kumar on Mathematics
3.   Session by Dr. Kalyan Chakravorthy about attitude and skills. He together with students performed various activities which inspired students a lot.

- Session by Dr. Sarvesh Kumar

- Session by Dr. Kalyan Charaborthy

<div align="right">**DATE-25-8-2018**</div>

- Session by Dr. Sarvesh Kumar
- Industrial visit.

From 27 – 30-8-2018:

1. Session by internal faculties about different departments.
2. Students were made to visit various departments, their labs, etc.
3. They were made to meet alumni of their departments.
4. This was all done to make students more familiar for their concerned engineering department
5. On 29.08.2018 session by Prof. R K Singh was there about emerging trends in engineering.

<div align="right">**DATE-31-8-2018**</div>

PRIZE DISTRIBUTION:

Prizes were distributed for various activities of induction program including sports, singing, dancing, debate competition, extempore, sketching, essay writing etc.

Creative Art

Number of Event in Creative Art

1. Rangoli
2. Singing
3. Dancing
4. Debate
5. Sketching/painting
6. Essay writing

Final list of winners

Event	First	Second	Third
Rangoli	Group 9	Group 6	Group 1
Singing	HarshitSrivastva (EI)	AnshikaTripathi (EC)	AnkitGwal (CS)
Dancing	Samridhi (EI)	Ayuska (ME)	Ankkkita Raj (EC)
Sketching/Painting	MansiSahu (IT)	Anjum (CS)	ShreyaPrajapati (IT)
Essay Writing			
Debate	RishabhDiwedi (CS)	DhanajayPrakash (ME)	Ashish Kumar Singh (IT)

SPORTS / PHYSICAL ACTIVITIES

1.   In early morning, all the participants reached to their allotted sports stadium & started practising with the help of seniors.

2.   Students were divided in two groups making each group perform our part in sports and a warm-up run along the boundary of stadium.

3.   According to students many of them secured good position in majorly Basket ball, Volley ball, Badminton etc.

Name of Activity

PHYSICAL ACTIVITIES

- Physical Training
- Drill
- Running
- Morning Walk

- Exercise

SPORTS

- Badminton
- Volleyball
- Basketball
- Kho-Kho

Venue :-

- Eklavya Stadium
- Badminton Court (Mechanical Department)
- Basketball Court
- Volleyball Court

Name of Faculty Co-ordinators

- Saurabh V. Kumar (Assistant Professor)
- Satyam Upadhaya (Assistant Professor)
- Priti Sharma (Assistant Professor)

Name of Students Co-ordinators

- 1.Vivek Srivastava (4th year EE Student)
- 2.Prasant (4th year EE Student)

Final Result

• Game	• Winner Team	• Runner up
• Volleyball Boys	• Team B- • Indrajeet chauhan • Piyush kumar singh • Rajesh kumar singh • Yash Pathak • Rajat • Sangam tripathi • Vishal singh •	• Team A- • Dhananjay • Hemant • Dheeraj • Shashank • Ajay • Abduraab • Ankit kumar •
• Volleyball girls	• Team B – • Vansika pandey	• Team A- • Roshani gupta

	• Shakshi rani • Khusboo yadav • Neelam pandey • Sapana sargam • Anjum	• Pooja rai • Nidhi singh • Priya kumari jha • Shreya mishra • Priyanka Yadav
• Badminton Boys	• Ishwar sharan(ME)	• Rajesh kumar singh(EE) ii position • Vipin kumar(ECE) iii position
• Badminton Girls	• Ayushka singh(ME)	• Ayushi singh •
• Kho-Kho Girls	• Team A - • Shreya prajapati(IT) • Sakshi rani(CSE) • Khusbhoo Yadav(CSE) • Chhaya rajbhar(EE) • Roshani gupta(ECE) • Neha patel(ECE) • Dimpal(CSE)	• Team B- • Pooja rai(ECE) • Priya kumari jha(ECE) • Kumari Manju(CSE) • Priti jaiswal(IT) • Shivani gupta(CSE) • Shivani gupta(IT) • Anjum(IT)

Description:-

- The induction program for first year engineering students was organized by TEQIP-III from date 10/08/2018 to 31/08/2018 under the supervision of faculty member of engineering department.This induction program was organized for the development of discipline, skills,team spirit,art,cultural,creativity and various other qualities among students which would be beneficial for their coming future.
- In university campus some various game was also organized for first year student to make them comfortable and give them direction in the field of sports i.e. badminton, volleyball, basketball and kho-kho.
- There was a lot of enjoyment for first year students. They learn new things which they can implement in their life.

Badminton

Volleyball

Drill

Industrial VISIT TO SATHARIA

1. All the students of M.E. & E.I. went on INDUSTRIAL VISIT to Satharia.
2. There we went in Amit oil Industry,PCI, Ras Wire Netting Industry & Soyabean Factory and learnt about many soft skills and manufacturing.
3. Each one of learnt about co-ordination and team work there.

1. REPORT ON MANUFACTURING OF SOYABEANS:

(i) All students visit whole plant of the industry and saw how the Soya chunk is actually made by the function of each & every machine like Mixer, Metal detector etc.

(ii)We were told that despite having made rapid stride for both coverage and total production, soybean still suffers on productivity front. There are a number of constraints, pertaining to climate, edaphic, production, and technology aspects as mentioned below that hinder higher productivity

Machines Used: -

(i) Soya Nugget Machine-

Soya Nuggets (Badi) Making Machines are manufactured by us using superior high grade raw materials and latest technology, Our expert professionals aid us in providing highly efficient machines to our clients. All of these Soya Bean Machines go through rigorous

testing to ensure quality and fault free delivery of products. Our Badi Making Machines are highly appreciated by our customers for their robustness and long life.

Showing manufactured soybean

2.Report on Indian Industries Association Members(I.I.A.)

(i)About I.I.A. :-

Students learnt that Indian Industries Association (IIA) is an apex representative body of Micro, Small and Medium Enterprises (MSME) with a strong membership base.

(ii) Objectives :-

IIA operates on the board based objective of fostering co-operation and support for the promotion of Micro, Small & Medium Enterprises. For more than 30 years now IIA has worked consistently in creating an environment conducive to industrial growth specially for MSMEs, disseminating valuable information on legal & technical aspects, latest development in industry & market, about latest Government policies, procedure and laws etc. apart from solving the teething problems of the Industry.

Ras Wire Netting Industries:-

The director of this industry told about the wire netting and buffing they made is of their own production. We know the importance of Team-Work there.

Each and every workers work there as a family members. He had opened his wire-netting industry in his own house in only.

And have several equipment with the help of IIA in his home cum industry.

3. REPORT ON PEST CONTROL PVT.(INDIA) LTD. :

(A) FACILITY PROVIDED BY Pest Control Pvt.(India) Ltd.**:**

PCl is not resting on their laurels. Out hunger for growth continues with an upcoming plant and production of various pesticides for the Indian as well as export market. PCl is looking at expanding its capacity from 9.4 Lacs production per month to 3 million production. For better deliverance, they are working towards technical collaborations with leading pesticides majors across the globe.

(B) Manufacturing Facilities:

(i)   PCl is growing at an incredible pace.

(ii)   Many manufacturing plants in India and outside.

(iii)   10 outsourcing units for pesticides.

(1) INFORMATION REGARDED TO EMPLOYEES IN PEST CONTROL LTD:

(i)   Mostly two types of Employees working with the organization.

(ii)   Associates (Workers) and M1&Above (Managers).

(iii)   Providing Training, Know your machine, on the job training for fresher's.

(iv)   Provided Medical camp, learning the new things for the other people beside the employees.

CHALLENGE FACED BY COMPANY& IMPROVE:

(i)   High Employee Turnover Ratio – more than 40% per year.

(ii)   Low employee engagement and High Employee Absentism.

(iii)   Improved by the result of high employee engagement from 44 % to 68%.

4.RESEARCH OPPURTUNITIES in AMIT OIL PVT. LTD.

(i)   Industrial visit was carried out at Amit Oil Pvt. Ltd. on 14th August, 2018 especially for semester one student. The main objective behind the visit was to make student aware about how various activities related to marketing, financing and human resource are carried out in company and give them feel of managers as soon as they start there course.

(ii)   I along with 118 students left for visit at 09 a.m. and took about one and half an hour to cover the distance. The company is located in Satharia on Jaunpur-Allahabad Highway. As soon as we reached company we were guided by our faculty members to factory where a orientation of company was given by heads of production department about history and how company was established.

(iii)   It was great to know that company follows Principal of equality among all the level of employees in company because of which they have same dress code and same right from higher level managerial team to lower level workers. Company have a policy to gather every morning for few minutes where they conduct prayer, narrate principles of company and are given chance to come forward. It is the place where any new policy matters are informed to all employees in once.

(iv)   Company follows principle of "People before Product" which was clearly visible from safety measures taken by company and other policies. The conception of this philosophy is derived from the core objective of the company – 'To Contribute to the Society'. Adhering to this philosophy, the Company balances its business and manufacturing activities with its impact on the communities and people at large. Recognizing their responsibility towards their people, Amit Oil Ltd. Passionately strives to attain progress and development of society through its operational activities. This core philosophy of 'People before Product' has been imbibed and executed by all the employees from the top level executives to lower level personnel across the organization.

(v)   Amit Oil Pvt. ltd. has the below stated objectives are given below:

(vi)   To earn Medium Profit.

(vii)   To provide social facilities.

(viii) Continuous improvement through reduction of Rejection and Rework.

(ix)   Contribution in the development of the count
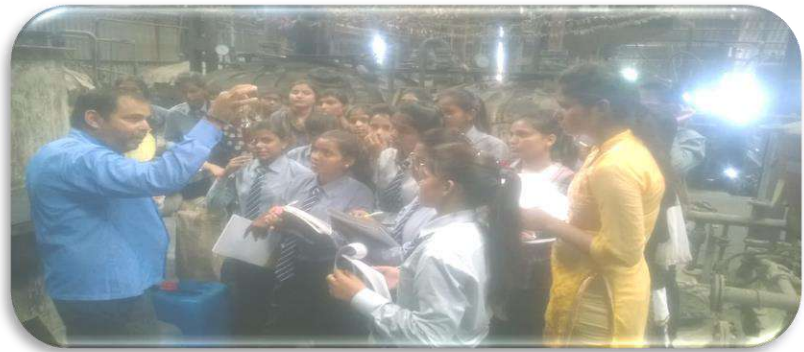
Conclusion:-

We conclude that while going through the entire industrial visit, the cooperation is found to be very well organized developed & most ideal industry in every walk of its production, administration & management aspects. By observing all the given things we can conclude that the company is of small scale industry. The company exports the products outside the city and mostly the products are given to major cities nearby like Allahabad, etc. Our Students learnt how to know the current status of any product through his market value and

also know about the importance of machines used in manufacturing and their co-operation with their users.

Experience from the Industrial Visit :-

1. Exposure to better industrial and business practices in progressive economies.

2. Interaction with Guides and other person from the industry is motivating.

3. Know business skills in a global context encouraging cultural interaction to learn better coordination between various Departments.

4. 'See & know' is better motto than 'read & learn'.

5. After completing the industrial visit, we have upgraded our knowledge at a very great level

6. It was a good learning experience. In each & every department, we got new ideas and new thinking which was very necessary for our Personal development.

7. We have visited the entire process department. They are using new technologies that helps us to understand about the role of advanced technology in productivity of Manufacturing goods

8. They are strictly following quality & safety aspects. It is desirable to review various aspects & sum up the industrial visit

9. During industrial visit, we feel very much satisfied by acquiring information of various departments & knowing many new things.

10. The industrial visit helps how to translate theory into practical.

ANNEXURE 2

Veer Bahadur Singh Purvanchal University, Jaunpur
Uma Nath Singh Institute of Engineering & Technology
TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAM
(TEQIP – III)

INDUCTION – PROGRAM for B Tech Entrants
(14, August – 07, September 2019)

Duty, Honor, Country – those three hallowed words reverently ought to dictate what you might to be, what you can be, what you will be.

- D. MacArthur

Mrs. Anandiben Patel
Hon'ble Chancellor & Governor, Uttar Pradesh
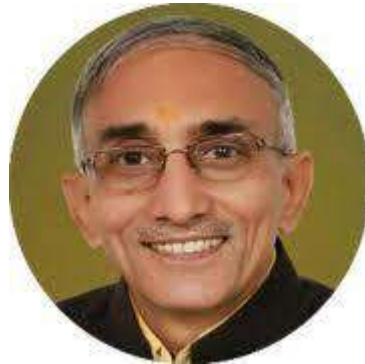
Prof. (Dr.) Raja Ram Yadav
Vice-chancellor

Prof. B B Tiwari
Coordinator TEQIP III

Message: Vice-chancellor

I am glad to learn that Uma Nath Singh Institute of Engineering & Technology VBS Purvanchal University, Jaunpur will be organising 'Induction Program' for B Tech Entrants for session 2019-20 w. e. f. August 14, 2019 to September 06, 2019. The Induction Program will take care various activities like Sports, Yoga, Tree Plantation; Expert lectures on various topics like Time Management, Stress Management, Interpersonal Skills, Industry Visit, Local Sight Seeing, Clay Pottery Making, Expert Talks, etc.

These activities aim at overall development of the students and to familiarise them to the changed environment of Study and Profession. These activities are tuned on the lines of the resolutions of AICTE, New Delhi. This is the continuous 2nd year of Induction Program which has been organised by our teacher Mrs. Jyoti P Singh. On this occasion I congratulate the organisers and extend my Good wishes to the students to enjoy a comfortable stay, promising career and best future in their life. I further wish the Induction Program a grand Success.

Prof (Dr.) Raja Ram Yadav

Message from TEQIP Coordinator

AICTE has approved induction program for all engineering courses is Institution 2017after due deliberation with IITs. For this purpose report of the IIT Directors in March 2016 comes up as a Guide .Engineering institute are entrusted to have a holistic outwork and to have a desire to work for material needs and beyond. The graduating students must have knowledge and skill in their field of expertise simultaneously having a broad understanding of society and networking. He must develop into a responsible Engineering, a citizen and a good human being. Students enter an Institute from diverse background, through and brought up. Induction programmer help them to adjust to new campus understand it and ethos there in.

Induction programs bring into practice Physics Activity, creation Art, Universal Human value Literary proficiencies, expert Talks, visit to local areas, Campus familiarization etc. A befitting time Table has been proceed to cope up with all these activities.

This time we have planned the program spanning from 14 August- 06 September, 2019 lasting for 21 days, we have invited eminent person in various areas to interact with students like chairmen of our BOG Shri R.K. Upadhyay former CMD, BSNL, INDIA, Prof. A P Natrajan Hyderabad, Prof. N C Gautam and by P C Patanjali (Former VC VBSPU Jaunpur), Shri VK Mishra - SSP Jaunpur, Shri Hanumant Rao - Head Vivekananda Kendra Kanyakumari, Art of Living Guide , Dr. Vibha Tripathi, IET Lucknow Prof. P B Sharma (Former VC).

The suggestion and help extended by my colleagues especially Prof. A K Srivastava Dean FOET, All HODs Program coordinator Miss. Jyoti Prashant Singh, N. O. (A) Shri Ravi Prakash, TEQIP-III Team and all faculty Member of Institute is sincerely.

Prof. B B Tiwari

Glimpses of Last Year

News Paper Cuttings

We have drawn the experts like Prof. P.C. Patanjali, former Vice-Chancellor of VBS Purvanchal University and Bagalpur University, Prof. I. Ramchandra Reddy, Prof. P. Natrajan from Hyderabad, Dr. Anuradha Dhara, Prof. Kalyan Chakrabvarty, Ms. Vandana Sheron, Prof. Praveen Prakash, Dr. Chhaya Singh and Prof. R. K. Singh from Allahabad University. The students enjoyed the morning program on yoga, industrial visit sudarshan kriya. The program was to the full satisfaction to the students. We very gratefully acknowledge
the support under TEQIP-III.

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## Activities and Brief Profile of Experts:

Various activities are:

- Sports
- Cultural
- Creative arts
- Expert lectures
- Clay pottery
- Literary sessions
- Proficiency modules, etc.

Brief Profile:

- Prof. Pritam Babu Sharma, in his fourth term of institutional head he is Vice Chancellor at Amity University, Gurugram
- Dr. Naresh Gautam, in his fourth term of Vice Chancellorship Prof. Gautam is currently Vice Chancellor at Mahatma Gandhi Chitrakoot Gramodya Vishwevidyalaya, Chitrakoot
- Prof. A P Natrajan, Director Victoria Training Foundation, Chennai
- Dr. Anuradha Dhara, Sr. Manager HR, Chennai
- Dr. Shubra Mal-Free Lancer Musician
- Dr. Nandini Prasad K S , Associate Professor , Dept of CS, AIT Bangalore
- Dr. Nandini N, Associate Professor , Dept of CS AIT Bangalore
- Dr. Nagaveni V , Associate Professor , Dept of CS , Acharya Institute of Technology , Bangalore
- Dr. Vibha Tripathi , Sr. Faculty institute of Entrepreneurship Development, Lucknow
- Shri Hanumant Rao, National Treasure, Vivekanand Kendra, Kanyakumari
- Dr. M C Trivedi, Associate Professor, NIT Agartala
- Dr. Rakesh Upadhyay , Director General VNOAI, Former CMD BSNL
- Dr. P C Patanjali, Former Vice Chancellor VBS Purvanchal University, Jaunpur
- Prof. Rakesh Upadhyay, FMS BHU , Varanasi
- Mr. Arun Kumar Singh, Sr. Automation Engg.NNE, Bangalore
- Mr. Rahul Bajpai, Manager Norton Grinder, Saint Gobain, Gurugram
- Mr. Animesh Bisaria, Senior Vice President, International Sales, Bangalore
- Mrs Anupam Saxena , HOD Science, Presidency School , Bangalore
- Dr Chhaya , Naturopathy Expert
- Prof. Jaswant Singh , Professor, Avadh University, Ayodhya
- Dr Sarvesh Kumar, Associate Professor , IISER, Trivendrapuram, Kerala
- Mrs. Niharika , State Youth Programmer , Art of Living , Bangalore
- Mr. Anurag, State Collage Programme Co-ordinate, U.P.
- Prof. Anju Kumari, Professor at Patanjali, Haridwar
- Mr. Shekhar Mishra, Proficiency Expert
- Mr. J P Singh, Lecturer
- Dr. Arun Kumar Singh, Dept of Philosophy, T D Collage
- Mr. V K Mishra, SSP Jaunpur

ANNEXURE 3
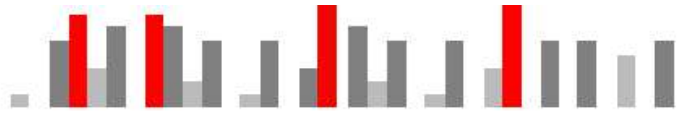
Aspiring Minds' Campus Analysis Report

UNS Institute Of Engineering And Technology V.B.S. Purvanchal University, 2020

(B.Tech 2020)

Sspiring Minds Assessment Pvt. Ltd.

Study of Students' Employability and their Performance in AMCAT

TABLE OF CONTENTS

Purpose of this Report

The Aspiring Minds Campus Analysis Report provides a detailed analysis of the student quality and their employability in the industry. Our aim is to produce a report which is useful to the campus and includes a comprehensive comparison across different degrees, streams and batches. All such analysis will serve as an employability checkup for students and accordingly, the administration can prioritize its efforts to increase the overall student employability.

The various sections of this report give a broad view on numerous aspects related to the performance of students. These sections contain tables and charts which have been constructed after an in-depth analysis of AMCAT assessment data collected from your campus. We evaluate your students' performance in comparison to the nation-wide norms, which are calculated from a sample of entry-level job-aspirants over 22 states across India. This comparison reveals those areas in which your students fare better (or otherwise) than the average student assessed by us, and determines the employability of the students in diverse industries. This report will give a clear picture of the employability status of students eligible for the listed companies and also help the institute to improve on the weak areas figured by Aspiring Minds' analysis.

We also provide an intra-campus analysis to give an overview of the characteristics of top performing students in comparison to the rest, such that appropriate measures can be taken to help the low performers fare better.

On the basis of our analysis, we suggest certain recommendations for your campus. We are certain that these recommendations will help UNS Institute Of Engineering And Technology V.B.S. Purvanchal University, 2020 march towards its goal of providing excellent education to the students, which will result in better employability. Our recommendations, if properly implemented, will also help increase the standing of the campus amongst prospective students.
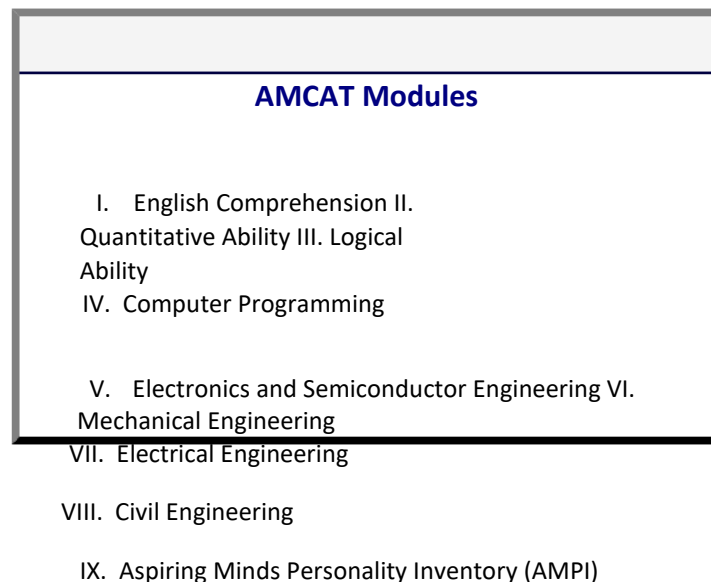
Data Snapshot

Campus	UNS Institute Of Engineering And Technology V.B.S. Purvanchal University, 2020
Date of testing	26,27,31 Aug 2019
Degree tested	B.tech/B.E (165 students)
Number of students compared in each stream	
CE,CSE, CST	45 students
EE	49 students
ECE	25 students
IT	17 students
M&P Engg,ME	29 students

Note: some students either did not enter their stream or entered it incorrectly. These students have not been included in any stream. Thus total students tested could be more than students in all reported streams.

Introduction

This report is based on the results of AMCAT assessment conducted at your campus on 26,27,31 Aug 2019 where a total of 165 students were tested. AMCAT is a two and half-hour adaptive test with multiple modules including aptitude, domain skills and personality assessment. It is India's largest employability test and is taken by more than 30,000 students every month. Being India's only adaptive employability test, it is used as a benchmark for hiring by several companies across India. The details of AMCAT assessment are as follows:

AMCAT Modules

I.   English Comprehension II. Quantitative Ability III. Logical Ability
IV. Computer Programming

V.   Electronics and Semiconductor Engineering VI. Mechanical Engineering
VII. Electrical Engineering

VIII. Civil Engineering

IX. Aspiring Minds Personality Inventory (AMPI)

I.   English Comprehension

Familiarity with the English Language in its various nuances is an essential skill, especially in the current climate of global networking. Ideally, any recruitment should involve a test of skills in handling the language in ways that promote the objectives of the company. Needless to state, an appropriate test is necessary.

Our English test uses a variety of internationally standardized resources for framing questions aimed at determining the candidate's ability to a) understand the written text

(b) comprehend the spoken word and (c) communicate effectively through written documents. The test broadly covers the following areas:

a.   A wide-ranging vocabulary to cope with general and specific terminology.

b. Syntax and sentence structure, the incorrect use of which distorts meaning and becomes a communication hurdle.

c. Comprehension exercises designed to test a candidate's ability to read fluently and understand correctly.

d. The ability to understand and use suitable phrases, which enrich the meaning of what is conveyed.

Time management and accuracy in conformity with the examiner's criteria.

II. Quantitative Ability

~~The Quantitative Ability assesses the ability of the candidate in following two aspects:~~

a. Basic understanding of numbers and applications

This section tests whether the candidate has understanding of basic number system, i.e., fractions, decimals, negative, positive, odd, even numbers, rational numbers, etc. The candidate should know how to do basic operations on these numbers, understand concepts of factors/divisibility and have good practice of algebra. Apart from operations on numbers, the candidate should know how to convert a real-world problem into equations, which is to be solved to find an unknown quantity. The candidate is tested on Word Problems representing various scenarios to assess the same.

b. Analytical/Engineering Maths

These are aspects of mathematics needed for Engineering disciplines and data analysis. This includes permutation-combination, probability and understanding of logarithms.

III. Logical Ability

The Logical Ability section assesses the capacity of an individual to interpret things objectively, to be able to perceive and interpret trends to make generalizations and be able to analyze assumptions behind an argument/statement. These abilities are primary for success of a candidate in the industry. Specifically, these are divided into following sections:

a. Deductive Reasoning: Assesses the ability to synthesize information and derive conclusions.

b. Inductive Reasoning: Assesses the ability to learn by example, imitation or hit-and-trial. This also provides an indication of how creative the individual is.

c. Subjective Reasoning: Assesses the critical thinking ability of an individual to see through loopholes in an argument or group of statements.

All these abilities are tested both using numerical and verbal stimuli. Coachable questions have been identified and removed.

IV. Computer Programming

The Computer Programming Principles module evaluates the suitability of the candidate for the software industry. It not only tests the knowledge and application of basic constructs of programming, but also concepts of data structures, algorithm analysis and object-oriented-programming.

The test is language-independent and all programming questions use a pseudo-code. Significant effort has been made to exclude memory-based and rote-learning questions. The test contains questions on debugging programs, finding the output of programs, completing incomplete programs, finding complexity of algorithms, questions on implementation and operations on different data structures, etc.

The test contains the following sections:

a. Structure and constructs of Computer Programs

b. Data-structures and Basics Algorithms

c. Object Oriented Programming Concepts

V. Electronics and Semiconductor Engineering

The Electronics and Semiconductor test assesses the suitability of the candidate for the SOC, Embedded Systems, VLSI design, etc. companies. This test together with that of

Computer Programming assesses the suitability of candidates for EDA companies. The test has the following sections:

    a. Analog Electronics

        1. Basic Components, their operations and Circuit Analysis

        2. Active Components, Large, Small Signal and Circuit Analysis

        3. Frequency domain and time domain analysis of systems, Feedback and Stability

        4. Opamp based circuits and analysis

    b. Digital Electronics

        1. Boolean Algebra, Minimization of Boolean Functions

        2. Implementation and Analysis of logic gates

        3. Sequential blocks - flip-flops and latches

        4. Digital Circuits and Blocks

        5. State Machines and design of Complex sequential circuits

VI. Mechanical Engineering

In this module, a student is tested for his understanding of mechanical engineering - theoretical and practical knowledge. Questions from different areas in this subject are asked so as to assess a student on his complete knowledge of the subject. The test has the following sections:

    a. Manufacturing Science

    b. Thermodynamics & IC Engines

    c. Fluid and Machine Mechanics

VII. Electrical Engineering

The Electrical Engineering module has been designed to assess a candidate's knowledge working in power sector. The module is meant for B Tech. students who may be freshers or the students who may be exposed to industry for one to two years. The module checks for the concepts which would be used by the engineers in everyday working. The module consists of both conceptual and practical aspects of the subject.

VIII. Civil Engineering

Civil Engineering module assesses a student's skills, knowledge and understanding of the core ideas involved in the branch of civil engineering. The module focuses on testing a student on theoretical knowledge and practical concepts which will help him perform a good job as an engineer in the industry.

IX. AMPI: Aspiring Minds Personality Inventory

It is the first personality inventory designed for personality analysis of Indian college graduates for the purpose of inputs to corporate personnel selection. AMPI is based on the five factor model, which is by far the only scientifically validated and reliable personality model. Several scientific studies across the world have shown that different combinations of the five factor personality traits strongly correlate to different job profiles and predict long term job performance reliably. AMPI analysis will be a worthwhile objective input to the corporate selection process and help find better matches to job profiles. The AMPI questionnaire asks for candidate's reaction under various scenarios, his/her beliefs, likes-dislikes to ascertain his/her personality factors. Factors map to traits such as candidate motivation, self-discipline, sociability, persistence, confidence, emotional stability, etc. which both intuitively and scientifically map to job requirements. AMPI builds in a strong proprietary methodology to control distortions due to social desirability and answer-faking.

AMPI has been designed specifically keeping the fresh Indian graduates in mind. Context is very important in design of items. AMPI items take into consideration the cultural sensibilities of Indians, the scenarios students face at college/home, also depending on the socio-economic status of the target population. This brings AMPI into a unique position as compared to generic/Western inventories, which do not suit our target population and fail miserably.

AMPI's scoring is based on statistical techniques of factor analysis, polytomous item analysis and structural modeling. Norms have been set on large candidate assessment done on final year graduates. Testforms are auto-generated such that each factor can be reliably predicted in feasible amount of time. Test-retest reliability and test validity are statistically guaranteed.

AMPI traits are:

a. Extraversion

   b. Conscientiousness

   c. Emotional Stability

   d. Openness to Experience

   e. Agreeableness

Score Interpretation

All scores lie between 100 and 900. The scores are normalized on a Gaussian curve using statistical techniques. The scores follow global standards of validity and reliability. They are valid for three years and remain consistent on repeat testing unless the candidate's ability improves because of sustained long term efforts.

Percentile Interpretation

The percentile of the candidate is calculated over a National average group based on the percentile of all students tested by Aspiring Minds. Several statistical studies conducted demonstrate clearly that the percentiles are stable for a year and will not vary more than two percentile points. The percentile is a very important metric and gives an idea of the candidate's rank in comparison with all graduates nationwide.

Section 1 - Students' Capability and Training Need Analysis

This section shows the overall performance of the campus students, along with their average and standard deviation in each module. In Campus Aptitude and Skill Chart below, BLUE triangles represent average score of your campus in each module. The RED triangle represents Total Aptitude score, which comprises of English, Quantitative Ability and Logical Ability scores.
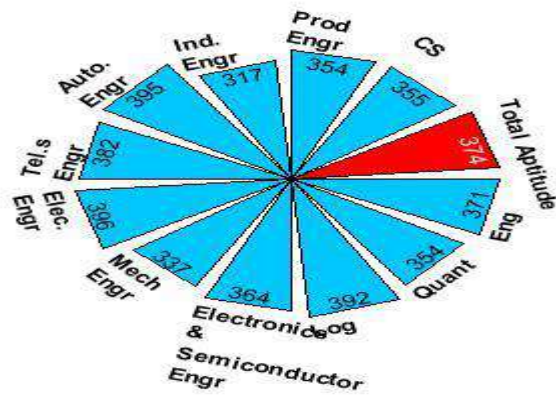
Campus Aptitude And Skill Chart

The Campus Ability Table below shows the campus average scores (percentiles) and their standard deviations in comparison with the National norms. It also indicates if the difference between the Campus Average score and the National Average score is significant and if so, at what confidence level. Norm is the National Average of all the candidates tested on AMCAT. Confidence level refers to the likelihood (ranging from 0 to 100%) that the results observed in the study are real, and not due to chance. In this analysis, if confidence level is less than 90%, it indicates that the difference between the Campus Average and the National Average is not significant and that both the scores are equivalent. For confidence level greater than or equal to 90%, the difference between the Campus

Average and the National Average is considered significant. If the difference is positive, on an average, the campus students are performing better than the National Average and vice versa.

Campus Ability Table

Modules Attempted	Campus Average Percentile	Campus Average (Std. Dev.)	National Average (Std. Dev.)	Difference (Campus - National)	Confidence	Is Significant?[1]
English Comprehension	15%	371 (79)	475 (100)	-104	100%	Yes
Quantitative Ability	11%	354 (120)	495 (115)	-141	100%	Yes
Logical Ability	24%	392 (72)	465 (101)	-73	100%	Yes
Electronics and Semiconductor Engineering	75%	364 (122)	310 (80)	54	100%	Yes
Mechanical Engineering	7%	337 (125)	450 (75)	-113	100%	Yes
Electrical Engineering	56%	396 (125)	380 (103)	16	76%	No
Telecommunications Engineering	74%	382 (89)	330 (80)	52	99%	Yes
Automotive Engineering	48%	395 (137)	400 (80)	-5	11%	No
Industrial Engineering	1%	317 (106)	449 (54)	-132	100%	Yes
Production Engineering	3%	354 (100)	463 (57)	-109	100%	Yes
Computer Science	42%	355 (95)	380 (125)	-25	98%	Yes
Total Aptitude	**16%**	**374 (66)**	**478 (105)**	**-104**	**100%**	**Yes**

[1]*if confidence level is less than 90%, it indicates that the difference between Campus Average and National Average is not significant and that both the scores are equivalent.*

Note: Food Science, Automata Fix, Aeronautical Engineering, Information Gathering and Synthesis, Basic Computer Literacy, Production and Industrial Engineering, Computer Programming, Instrumentation Engineering, Fundamentals of Chemistry and Civil Engineering modules are not considered as they were attempted by less than 5 students in your campus.

I. Inferences

1. **English Comprehension**
   Communication is the key to building relationships and trust that leads to success in business. English is a corporate language and hence, the ability to read and comprehend this

language effectively is essential to qualify for all types of job profiles, whether it is technical or non-technical. It is a matter of deep concern that the students of your institute, on an average, have scored **much lower than the National Average** in the English module. This is very critical and the campus must relentlessly focus on English language training of their students. For students, the best way to improve English is by reading newspapers, magazines and books, and practice speaking in English. The campus faculty also needs to increase its attention on teaching the basics and then move on to advanced concepts to improve their score, in order to match the National Average and beyond.

2. **Quantitative Ability**

Quantitative Ability measures a person's ability to deal with numbers and real-world problems quantitatively and mathematically. It is the ability to convert a real world problem into equations which can then be solved to find the result. This module is designed to measure a candidate's basic maths and algebraic skills, his/her understanding of basic quantitative concepts and his/her ability to reason quantitatively, solve quantitative problems and interpret graphical data. In Quantitative Ability module, your campus has **not performed well and on an average, their scores are much lower than the National Average**. Your students should work on the understanding of basic concepts in this module. They should practice a variety of questions from all the areas of this module, gradually moving to higher difficulty levels.

3. **Logical Ability**

The purpose of Logical Ability module is to test students' logical reasoning skills and to check their intuitive ability, decision making capability, problem solving approach and other areas which are important from a company's perspective. People with strong Logical Reasoning are quicker to perceive and interpret things objectively. Therefore, proficiency in this module is desired for all job profiles. The performance of your students in **Logical**

Ability section is not up to the mark. On an average, the scores are way below the National Average. Your institute has to take firm steps to ensure that the students perform well in this section. Students should practice logical puzzles and games of various kinds to improve their logical reasoning skills. The faculty should take sincere efforts to effectively build a strong foundation of logical reasoning in students.

4. **Electronics and Semiconductor Engineering**

The Electronics and Semiconductor module tests the students' understanding of analog and digital electronics. Students need expertise in this area to pursue a career in fields such as VLSI Design, Embedded Systems, Computer-Aided-Circuit Design - in general, the Semiconductor and SOC industry. The topics included in this module are taught to students pursuing Electronics/Electrical engineering. In some colleges, it is also taught to students pursuing engineering in Computer Science, Instrumentation, etc. On an average, the scores obtained by students of your campus are **significantly higher in comparison to the National Average** of students pursuing Electronics related disciplines. This is commendable. The faculty at the institute must be congratulated. To maintain the consistency in performance, the students need to regularly practice new questions. This will help them understand the concepts better.

5. **Mechanical Engineering**

Mechanical engineering module assesses a candidate's understanding on core concepts including mechanics, kinematics, thermodynamics, material science, structural analysis, etc. It requires a candidate to apply the principles of physics and material science for analysis, design, manufacturing and maintenance of mechanical systems. For any job profile in core mechanical sector, a student is required to do well in this module. Your campus performance has been below average. Students of your campus have, on an average, **scored significantly lower than the national average**. We suggest that the students need to extensively read about the core subjects like Production engineering, Thermodynamics, Machine design, Kinematics, etc - right from the basics. Channelized topic selection and proper devotion of time to important topics could go a long way in improving the student's performances. Also more emphasis should be given to conceptual and practical based teaching.

6. **Electrical Engineering**

Electrical engineering module assesses a candidate's knowledge on a range of subfields like analog and digital electronics, power engineering, control systems and signal processing. The module deals with the study and application of electricity, electronics and electromagnetism. In order to build a career in fields such as Power sector, Control and electronics, a student is expected to do well in this module. Students of your institute, on an average, **have scored equivalent to the National Average in this module.** While they seem to have good theoretical knowledge of the subject, but in order to improve their

performances, it is imperative that they are well acquainted with the various numerical based problems in Control systems, power systems etc. Proper guidance from the faculty could go a long way in improving their performance.

7. **Automotive Engineering**
Automotive engineering module incorporates elements of mechanical, electrical, electronic and safety engineering as applied to the design, manufacture and operation of motorcycles, automobiles, cargo-trucks etc. The module emphasizes on applied automobile design and testing, experimental/scientific methods related to automobile engineering and auto - Maintenance etc. Students need to do well in this module in order to build career in profiles related to automobiles - design, research and development and production. The performance of your students has been decent with students, on an average, **scoring equivalent to the national average.** Further improvement is possible if appropriate corrective measures are taken. With proper guidance and regular practice of more difficult topics - which have high numerical as well as diagrammatic portion - like Clutches and Brakes, transmission & differential systems and axle & steering systems, your students will be able to exceed the National average.

8. **Industrial Engineering**

Industrial engineering module checks for student's understanding of basic concepts in operation research and management, management science, systems engineering, ergonomics and safety engineering. The module draws upon knowledge of various principles and methods of engineering analysis, design and management. To build a career in fields such as

Production, Operations, Quality control, Logistics, Process and plant management etc, a candidate is expected to do well in this module. It is a matter of deep concern that the students of your campus, on an average, have **scored significantly lower than the National Average** in this module. The basic concepts of students in Industrial engineering are not clear. We suggest that students start from the simpler topics which are more theoretical based such as Facility design, Quality management, etc, then move on to more conceptual and numerical based topics like engineering costing and reliability and finally take up advanced topics like operation research and management.

9. **Production Engineering**

Production engineering module requires a candidate to have an understanding of various manufacturing processes, metal cutting & tool design, metrology, machine tools, Computer Integrated Manufacturing, etc. Students need to be well versed in this area in order to pursue a career in public and private sector manufacturing organizations engaged in design, development and implementation of new production processes, information and control systems, computer controlled inspection, assembly and handling. Performance of your students in production engineering is not satisfactory. Their scores, on an average, are **significantly lower than the National Average**. This gap has to be filled with proper guidance. We suggest that students start from basics - emphasis should be given to core subjects like various processes and polymer materials and their applications before moving to more niche topics like computer integrated manufacturing and metrology.

II. Performance Summary

From the above analysis, it is clearly visible that the **performance of the students at your campus is good in Electronics and Semiconductor Engineering,** which is commendable. They have performed **satisfactory in Electrical Engineering and Automotive Engineering,** whereas extra efforts can make a tremendous difference in performance. However, the students' performance is **not satisfactory in**

English Comprehension, Quantitative Ability, Logical Ability, Mechanical Engineering, Industrial Engineering and Production Engineering, therefore additional training sessions and corrective measures are required by the campus authorities. Methodologies such as mock tests, assignments and extra classes can become a valuable strategy for the benefit of students. The campus can also include proactive mentoring sessions for weak students and review their skills in the given area(s). Another approach can be to hold training sessions focusing on comprehensive guidance for the students to excel in their weak areas. The gain resulting from these training sessions and your continuous support will allow overall development of the student and further enhancement in their abilities.

III. Training Suggestions

This section lists areas where your students need to improve on the basis of their performance in the AMCAT. For each module, according to the degree of improvement needed, appropriate suggestions have been provided.

Campus Training Requirement Table

Area to Improve Upon	Degree of Improvement	Production Engineering Very Strong
English Comprehension	Very Strong	
Quantitative Ability	Very Strong	
Logical Ability	Very Strong	
Electronics and Semiconductor Engineering	Slight	
Mechanical Engineering	Very Strong	
Electrical Engineering	Moderate	
Automotive Engineering	Moderate	
Industrial Engineering	Very Strong	

in this module. We suggest that the students should keep practicing questions in these areas to keep their knowledge updated. Make sure they go through various examples, understand and practice them. Then, make them solve multiple-choice-questions under time constraint.

Suggestion

Conduct tests and quizzes under time constraints which would help students judge their performance and further improve upon it. Encourage playing games like Scrabble, Crossword, etc. in order to improve their English vocabulary. You can try placing such word-games in the campus library. Guide the students to scribble key points while reading any passage/paragraph. This will help them understand the essence of the text and find answers to passage-based questions easily.

Mechanical engineering is a practical oriented branch with many real time applications. So, it is important that the teaching relates to such scenarios like understanding how an object is moving, what is the principle behind the working of a machine, etc. Industrial visits form an essential part of a mechanical engineering curriculum. Exposing students to outside environment - how everything works in a core sector - could form a perfect platform to help students apply theoretical concepts in practical environment. Manufacturing science and Thermodynamics form the backbone of mechanical engineering. For Manufacturing science, we suggest students to initially concentrate on all the manufacturing and metal cutting processes. 'Manufacturing Processes' by Raghuvanshi is a good book to build concepts pertaining to all these processes. Thermodynamics, on other hand is more reasoning based with high percentage of numerical portion. The book we recommend for this purpose is 'Thermodynamics' by Cengel and Boles.

Real time problems on different topics should be extensively discussed to equip the students with different concepts. Train the students to follow the clues and directions given in the questions well. Once the question is understood in a clear manner, half the job is done. Encourage pupils not to read mathematics, but to write and practice. That is the only way to learn mathematics.

Hands on experience is critical in electrical engineering. Therefore internships and Industrial visits should be encouraged so that students get a chance to apply their concepts in 'real world' scenarios. In electrical engineering labs, students should be encouraged to explore and assemble various circuits, so that they can learn things practically.

Automotive Engineering requires a strong base in science, since it requires a student to understand the various scientific methods that are followed to perform the experiments that are required in the field of automotive engineering. Therefore, it is important that students in the first year are well equipped with the various laboratory experiments. Organizing small workshops and conducting industrial visits that provide real world experience to students is one way of enhancing student's knowledge.

Include explicit training for reasoning skills to make the students practice different types of questions such as syllogism, blood relations, direction sense, pattern recognition, etc. Encourage students to solve different types of puzzles and questions which need logical thinking. Help them understand the problem clearly in their minds before they start solving it. Advice students to develop their own notations so that they can represent the problem using proper symbols, diagrams etc.

Industrial engineering involves optimization of resources. Therefore, students should be encouraged to develop projects that are more simulation based and that involve management of resources. Industrial Engineering is a numerical and application based subject, so it is important that teaching does not involve students to memorize the formulae used in operation research, reliability, engineering costing, etc. It would be lot simpler if they could understand the logic of the derivation used to arrive at the formulae. This will help them to solve the numerical more easily. Since Industrial engineering involves a lot of numerical problems and requires good mathematical and problem solving skills, students should be provided with weekly or bi-weekly assignments to practice.

Students should avoid memorizing the various manufacturing and machining processes. It would be a lot easier to understand the mechanism involved and relating the processes to real world scenarios. Industrial visits to large manufacturing or core companies help a student to relate and apply those theoretical concepts in real world environment. Seminars and presentations on manufacturing processes followed by various production companies go a long way in strengthening the knowledge and understanding of the students.

Good understanding of combinational logic, circuit analysis and design is required to excel

Section 2 - Students' Employability

This section gives you an approximate idea about the kind of companies your students are competent for. This section also provides an insight into the criteria used by different companies for their hiring process. Additionally, an estimate of the employability of your campus students in different sectors is mentioned. In order to improve employability prospects, domains in which your students need to focus their efforts are also listed.

I. Perspective on Corporate Shortlisting Criteria

In this section, we discuss the different kind of job profiles available for fresh graduates. For each domain, we discuss the nature of the job and the kinds of skills required to succeed in the particular job profile.

◦ **IT Services**

These types of service companies have large training setups of their own. They provide system integration solutions, software application development, testing solutions and many other services. For large services companies, Computer Programming score is not an important criterion. They look for candidates with acceptable English and Logical Reasoning along with strong Quantitative Ability skills. A good score in computer programming module is an advantage. HCL, TCS, Wipro, Satyam, Polaris etc are some of the major large scale service based companies.

◦ **Electronics & Semiconductor**

The companies in this sector provide job opportunities which fall under one of these two categories: electrical power generation/transmission and its application. One can further specialize in research, testing, design & development or production & manufacturing. Most electrical engineering strongly prefer candidates with a degree in electrical engineering or related field and hence candidates are expected to have sound domain knowledge apart from being stong in analytical & problem solving skills.

◦ **ITeS and BPO**

Business process outsourcing companies can be aptly defined as those that act to utilize the services of a third party in order to perform its back office operations. The BPO market is forecast to hit $450 billion by 2012. These companies look at moderate to outstanding/ exceptionally good English, depending on whether they have national or international clients. The other parameters they use for short listing are acceptable Logical Reasoning and Computer skills. GE Capital, Convergys, Wipro Spectramind and Dell are some of the prominent BPO entities.

◦ **Hardware and Networking**

These companies specialize in Hardware and Network Support and basically provide integrated solutions for business enterprise applications, networking equipment and

network management. That is they help manage organization's computing resources up and running. These companies primarily look for average quantitative and logical ability. Since the job does not include a lot of interaction with clients, they do not necessarily

require good scores in English Comprehension. Cisco, Hewlett Packard, Nortel, NEC, Citrix and Netgear are some of the Hardware/Networking companies.

◦ **KPO/Analyst**

Knowledge Processing Outsourcing (popularly known as KPO) calls for the application of specialized domain pertinent knowledge. KPO business entities provide typical domain-based processes, advanced analytical skills and business expertise, rather than just process expertise. These companies look for an impressive command in English and sound knowledge in both Quantitative and Logical Reasoning. Evalueserve, Ugam Solutions, 24/7 Customer, ICICI OneSource, etc. are some of the leading KPOs in India.

◦ **Automobile/Manufacturing Industry**

Automotive engineers work in all aspects of a vehicle's design and performance. The work could be broadly in one of the three categories- product engineering, development engineering and manufacturing engineering. This job requires the person to have strong analytical skills and logical ability as it involves lot of data analysis before a new design is developed. They should be good with English language and since this is a specialized job profile, technical knowledge in this field is mandatory which is assessed by the Mechanical Engineering module.

◦ **Telecom**

The jobs in the telecom industry involve inspection and repair of any equipment or service related to the field of voice, video and internet communications. The work of this field is divided into maintenance & repair, customer section, support section, installation section and telecom engineers. Candidates interested in this field must be able to solve problems and analyse complex situation, hence they are expected to score high in Logical Ability and Quantitative Ability. It, being a technical job, knowledge of the functioning of various equipment and other technical details are tested by the Telecommunications module.

◦ **Electrical/Energy & Power**

The jobs in this sector involves design, deployment and maintenance of a broad range of electrical systems and equipment with a focus on economy, safety, quality and relaibility. The skills required for the role of electrical engineer include analytical skills, effective communication and organizational skills and mastery in engineering skills.

◦ **Production/Manufacturing**

The jobs in the Life Science industry deal predominantly with research and development of molecules like drugs, vaccines, antibiotics, etc which help in enhancing the health of

human beings and reduce the threat from diseases. Apart from research, the other roles offered in this industry include Production, Sales and Quality. For all roles, it is important that the candidate is well acquainted with the basics of Chemistry and Biochemistry. Additionally, a scientist/research specialist is expected to have sound knowledge of Molecular Biology and Biotech Lab Techniques. An employee in the Quality division needs to have good attention to detail.

II. Employability Prospects

The following table suggests the methods to be implemented in order to improve employability of your students with reference to particular job profiles. We have investigated what precise skills are deficient in students which make them unemployable. These skills need to be improved through efforts of the student and campus. Campus administration is requested to go through these suggestions and implement them to make students more employable.

Campus Job Match Table

Type of Company	Percentage of Students Eligible	Percentage of Students Need some training	Percentage of Students Need lot of training
IT Services	0.7%	3.3%	96.1%
Electronics & Semiconductor	0%	12.8%	87.2%
ITeS and BPO	18.3%	5.9%	75.8%
Hardware and Networking	15.7%	6.5%	77.8%
KPO/Analyst	0.7%	10.5%	88.9%
Automobile/Manufacturing Industry	0%	18.2%	81.8%
Telecom	0%	10.5%	89.5%
Electrical/Energy & Power	0%	7.1%	92.9%
Production/Manufacturing	0%	15.4%	84.6%

III. Bird's-eye-view of Employability

The following table suggests the methods to be implemented in order to improve employability of your students for each type of company. These recommendations are provided on the basis of weak modules for each company, which the faculty should work on to help their students.

Campus is requested to go through these suggestions and implement them to elevate the chances of getting placed in that particular company.

Campus Employability Enhancement Table

Type of Company	Campus Employability Prospect	Areas in Need of Training for Improving Employability Chances
IT Services	Low	These companies are basically looking for good English and Logical skills with average Quantitative ability. If employability prospects is to be increased for this industry, campus faculty will need to focus on English Comprehension, Quantitative Ability and Logical Ability.
Electronics & Semiconductor	Low	
ITeS and BPO	Low	These companies look for candidates having good knowledge of Electronics and Semiconductors with good Logical and Quantitative abilities. If employability prospects is to be increased for this industry, campus faculty will need to focus on English Comprehension, Quantitative Ability, Logical Ability and Electronics and Semiconductor Engineering.
Hardware and Networking	Low	These companies look for candidates proficient in English with average Logical and Quantitative abilities. For better employability prospects in this industry, your students need to focus on English Comprehension, Quantitative Ability and Logical Ability.
KPO/Analyst	Low	
Automobile/Manufacturing	Low	These companies are basically looking for candidates with good English and average Logical abilities. To increase the employability prospects for this industry, extra efforts are required by the campus authority on English Comprehension, Quantitative Ability and Logical Ability.
Industry	Low	These companies look for candidates having proficiency in English with good Quantitative and Reasoning abilities. To increase the employability prospects for this industry, extra efforts are required by the campus authority on English Comprehension, Quantitative Ability and Logical Ability.
Telecom	Low	
Electrical/Energy & Power	Low	These companies are basically looking for candidates with good English, Logical and Quantitative ability along with proficiency in Mechanical skills. To increase the employability prospects for this industry, extra efforts are required by the campus authority on English Comprehension, Quantitative Ability, Logical Ability and Automotive Engineering.
Production/Manufacturing	Low	These companies are basically looking for good English, Logical, Quantitative skills along with proficiency in Telecommunication. For better employability prospects in this industry, your students need to focus on English Comprehension, Quantitative Ability, Logical Ability and Telecommunications Engineering.
		These companies look for candidates with good knowledge of English, Logical and Quantitative abilities with proficiency in Electrical Engineering. For better employability prospects in this industry, your students need to focus on English Comprehension, Quantitative Ability, Logical Ability and Electrical Engineering.
		This profile requires candidates with basic aptitude skills along with knowledge of Chemistry, Biochemistry, Molecular Biology and Lab Techniques. If employability prospects is to be increased for this industry, campus faculty will need to focus on English Comprehension, Quantitative Ability, Logical Ability and Production Engineering.

Section 3 - Intra Campus Comparison

In this section, we will compare assessment scores to create a comprehensive comparative analysis between different branches of a degree of your college. This section shall explain the competitiveness of students of each degree, branch and batch with others in the respective group.

I. Stream Comparison

In this section, we compare the AMCAT scores of students categorized by their branch of study.

Students from the following branches participated in AMCAT at your college.

1. CSE, CST

2. EE

3. ECE

4. IT

5. M&P Engg,ME
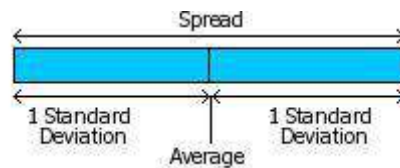
The chart below shows the comparison of module-wise average scores for each stream. To interpret the chart, refer to the above illustration. Each horizontal bar represents the average score along with the standard deviation of a particular branch in that module. The vertical line at the center of each bar represents the average score. The length of bar represents the range of scores obtained by students of that stream.
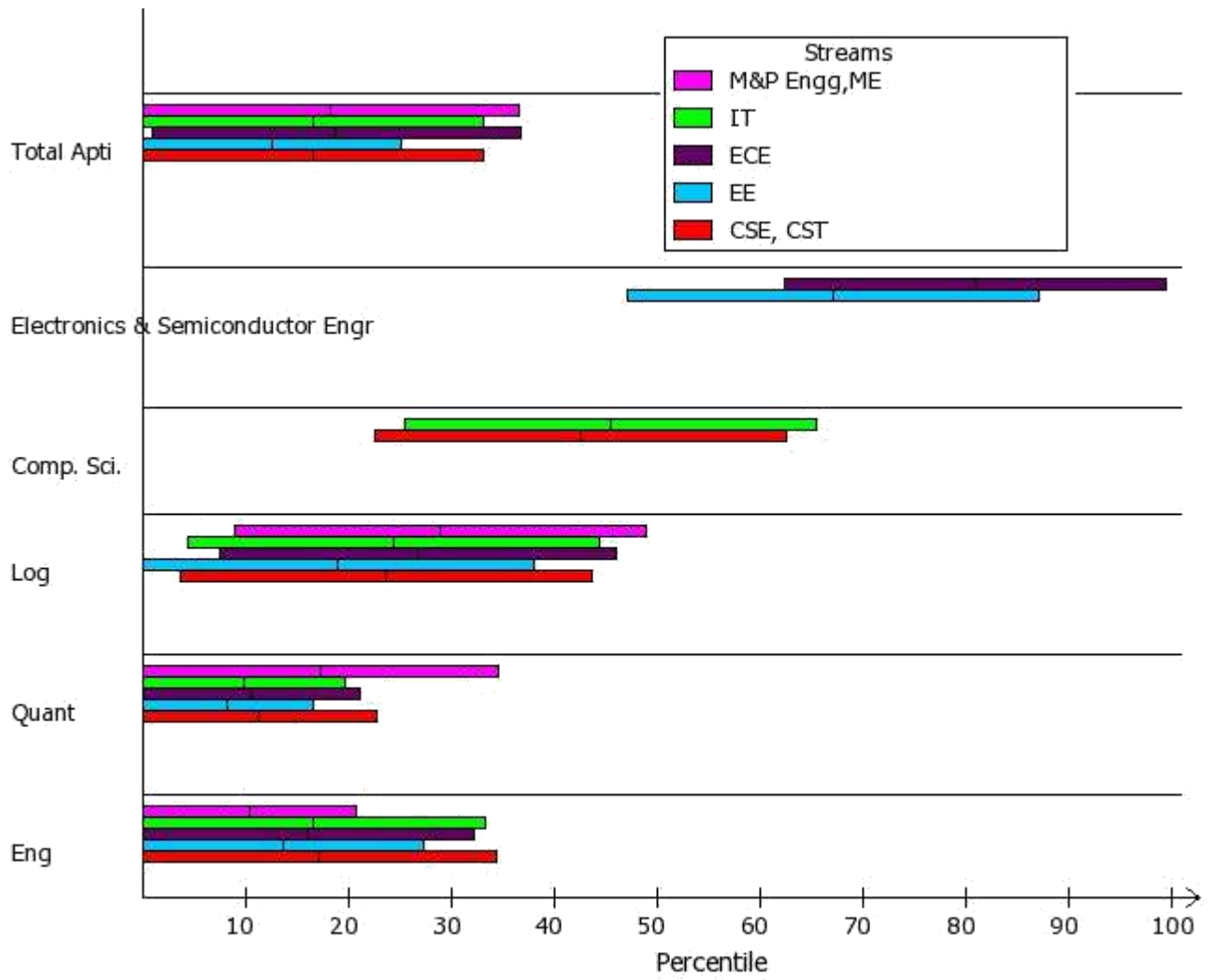
Note: color bands are in order.

For each module, the following table lists the top scoring streams. Only the modules which are common for all the streams have been considered in the table.

Top Scoring Streams For Each Module

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....

Rank	English Comprehension	Quantitative Ability	Logical Ability	Computer Science	Electronics and Semiconductor Engineering
1	CSE, CST	M&P Engg,ME	M&P Engg,ME	IT	ECE
2	IT	CSE, CST	ECE	CSE, CST	EE

Note: streams with less than 5 students have not been considered for the analysis.

On the basis of AMCAT scores obtained by different streams in your campus, we make following inferences -

1. English Comprehension
   In English Comprehension **CSE, CST students are the top scorers, their average score exceeding that of IT** by 0.5 percentile points while **M&P Engg,ME students are the lowest scorers.** When compared to the National Average, all the streams have underperformed in this section.

2. Quantitative Ability

   Students from M&P Engg,ME have performed well in Quantitative Ability section in comparison to the CSE, CST students who, on an average, lag by 8.96 percentile points. **EE students' performance is comparatively lower** with respect to the other streams, scoring 8 percentile in this section. Also, note that all the streams have scored poorly in comparison to the National Average.

3. Logical Ability

   In Logical Ability **M&P Engg,ME students are the top scorers, their average score exceeding that of ECE** by 2.15 percentile points while **EE students are the lowest scorers.** When compared to the National Average, all the streams have underperformed in this section.

4. Electronics and Semiconductor Engineering

   Students of ECE are the best performers in Electronics and Semiconductor Engineering section in comparison to the EE, who lag behind by 13.83 percentile points Also note that, on an average, both the streams have performed better than the National Average.

5. Computer Science

   When it comes to Computer Science, **IT students have grabbed the top position** leaving CSE, CST behind by 2.93 percentile points. We have observed that, on an average, both the streams have scored low in comparison to the National Average.

In your campus, **M&P Engg,ME stream performed outstandingly well in maximum number of modules.** Also, EE stream performed poorly in maximum number of modules in comparison to other streams, and therefore need special attention.

Aspiring Minds' Concluding Words

To summarize the overall analysis of your campus done by Aspiring Minds, key-points from all sections are highlighted below:

- ◦ The performance of the B.tech/B.E students in your campus is **good in Electronics and Semiconductor Engineering,** which is commendable. They have performed **satisfactory in Electrical Engineering and Automotive Engineering,** whereas extra efforts can make a tremendous difference in performance. However, the students' performance is **not satisfactory in English Comprehension, Quantitative Ability, Logical Ability, Mechanical Engineering, Industrial Engineering and Production Engineering,** therefore additional training sessions and corrective measures are required by the campus authorities.

- ◦ It is clearly evident that **0.7%, 0%, 0%, 18.3%, 15.7%, 0.7%, 0%, 0%, 0%, 0%, 0% and 0%** of your students are eligible to work in **IT Services, IT Products, Electronics & Semiconductor , ITeS and BPO, Hardware and Networking, KPO/Analyst, Automobile/Manufacturing Industry, Telecom, Software Quality, Civil Design & Construction, Electrical/Energy & Power and Production/Manufacturing** respectively which is an area of concern.

- ◦ In your campus, **M&P Engg,ME stream performed outstandingly well in maximum number of modules.** Also, EE stream performed poorly in maximum number of modules in comparison to other streams, and therefore need special attention.

The strongest recommendation Aspiring Minds will like to give is initiation of classes to improve the weak areas of candidates. Apart from classes, regular quizzes and special training sessions should also be initiated, where students answer questions under time constraints. The classes should be student-friendly so that the students are open to questions and are free to ask their doubts. Peer teaching can be another way to increase the learning of students in the class

Along with increasing the employability of the institute, this will help your students compete with other candidates in a more effective and efficient way. With regard to areas where your students scored well, a sustained effort is needed. Regular assignments of problems should be given so that the students can accelerate their performance.

We strongly request the campus authorities to direct all students to follow the performance feedback given by Aspiring Minds based on their AMCAT scores. The campus authorities can go a long way in reminding students about their strengths and weaknesses, thus encouraging them to uphold their strengths and improve on their weaknesses. Consider special classes, better teaching processes and focused courses so that

students get a good platform to improve and perform. We also strongly suggest conducting AMCAT again at campus after 4 months of dedicated hard work by students and campus authorities. This shall give students a benchmark to improve themselves, and help us understand if the initiated training program was useful. Of course, it would help students as well, with better scores leading to better job opportunities.

We thank UNS Institute Of Engineering And Technology V.B.S. Purvanchal University, 2020 for giving us an opportunity to conduct AMCAT in their campus. For any clarification or further analysis, we

can be contacted at campus@aspiringminds.in

……………………………………………….   0 or (91) 124 4148777.

Appendix

I. Statistical Significance (Confidence)

All score distributions generally follow a pattern called the Gaussian curve. The Gaussian curve is by far the most common assumption with regard to score distribution. For the purpose of comparison, we express AMCAT scores as Gaussian distribution. The most characteristic feature of this distribution is that the scores for maximum number of students fall in a very narrow range around the average value.

The percentage of scores lying in the range falls exponentially as we move away from the average value. The confidence percentage, which ranges from 0% to 100%, is indicative of the possibility that the difference in scores is by chance. A high confidence percentage indicates that it is very likely that the difference observed is real and not by chance. In this analysis, we classify differences, with confidence 90% or higher, as significantly different (that is, not by chance).

II. National Average (Norm)

To construct the norms (National average & standard deviation), balanced sampling was used to select more than 25000 students tested by Aspiring Minds nationwide. Balanced sampling technique ensures that the selected candidates are representative of entry-level job-aspirants over 22 states in India. It is ensured that

the sample contains different degrees, specializations, genders, regions, etc. in the same composition as the National distribution.

To summarize score distribution of the norms and UNS Institute Of Engineering And Technology V.B.S. Purvanchal University, 2020 students, two values (statistics) are used: average of the scores and standard deviation of the scores. While the former value indicates what, on average, candidates score in the test, the latter value tells how much do scores deviate from the average. High value of standard deviation means that the scores are dissimilar and spread across the scale. In contrast, a low value of standard deviation means that candidates scores are similar to each other and lie near the average.

III. Variance (Standard Deviation)

The variance (or standard deviation) is a measure of how spread out a distribution is. In other words, it is the measure of variability. A low standard deviation indicates that the data points tend to be very close to the average value, while high standard deviation indicates that the data is spread out over a large range of values.

V. About Aspiring Minds

Aspiring Minds was founded in 2007 by alumni of IIT and MIT (USA) with a vision to introduce scientific assessment methodology to bring together job-seekers and campuses across India on a common standardized platform that is recognized by multiple companies on a national level. The aim of Aspiring Minds is to highlight the pool of talented students and progressive campuses to corporates nationally, provide an insight on how they can improve their employability and help them acquire jobs on the basis of their potential. In a short span of time, Aspiring Minds has earned credibility and is working with multiple corporations such as Microsoft Research, HCL Technologies, MPhasiS EDS, Erricson, Tata Motors, Aricent, Genpact, iGATE, L&T Finance, Sapient, Godrej Agrovet and Tavant Technologies.

Board of Advisors

Prof. Tarun Khanna, HBS, USA

Dr. Una-May O'Reilly, MIT, USA

Dr. Vijay Bhushan, PhD., UIUC, USA

ANNEXURE 4

Time Table for Internship of 2nd year passed students:

CS/IT	EC/EI	EE	ME
Training by ESCI Hyderabad 27 May to 15 June	Training by ESCI Hyderabad 27 May to 15 June	Training by ESCI Hyderabad 27 May to 15 June	Training by ESCI Hyderabad 27 May to 15 June
Lecture by **Prof. Ramchandra Reddy** 17 June (9:30- 11:00am) Lecture by **Prof G K Upadhyay** 17 June (11:30-1:00 pm) Lecture **by Prof A P Natrajan** 17 June (1:30-3:00 pm) Lecture by **Dr Anuradha Dhara** 17 June (3:00-4:30 pm) **18 June- 24 June** **Program on Naturopathy by Dr Chhaya Singh**	Lecture **by Prof A P Natrajan** 17 June (9:30- 11:00am) Lecture by **Dr Anuradha Dhara** 17 June (11:30-1:00 pm) Lecture by **Prof. Ramchandra Reddy** 17 June (1:30-3:00 pm) Lecture **by Prof G K Upadhyay** 17 June (3:00-4:30 pm) **18 June to 1 July** **Computer Skills in C/C++** **Dr. Brijesh kumar, RML Awadh**	**17 June to 1 July** **Computer Skills in C/C++** **Dr Brijesh Bhardwaj, Faizabad** Lecture by **Prof. Ramchandra Reddy** 18 June (9:30- 11:00am) Lecture by **Prof G K Upadhyay** 18 June (11:30-1:00 pm) Lecture **by Prof A P Natrajan** 18 June (1:30-3:00 pm) Lecture by **Dr Anuradha Dhara** 18 June (3:00-4:30 pm)	**17 June to 24 June** **Computer Skills in C** **Dr. Shyam Kumar, Maharaja Balwant Singh, Varanasi** Lecture by **Prof A P Natrajan** 18 June (9:30- 11:00am) Lecture **by Dr Anuradha Dhara** 18 June (11:30-1:00 pm) Lecture by **Prof. Ramchandra Reddy** 18 June (1:30-3:00 pm) Lecture by **Prof G K Upadhyay** 18 June (3:00-4:30 pm)
24/06/2019 & 25/06/2019 **(3:30-5:30 pm)** Session by Ms. Vandana Sheoron on Communication and Soft Skills	**26/06/2019 & 27/06/2019** **(3:30-5:30 pm)** Session by Ms. Vandana Sheoron on Communication and Soft Skills	**28/06/2019 & 29/07/2019** **(3:30-5:30 pm)** Session by Ms. Vandana Sheoron on Communication and Soft Skills	**01/06/2019 & 02/06/2019** **(3:30-5:30 pm)** Session by Ms. Vandana Sheoron on Communication and Soft Skills
25 June to 8 July **Computer Skills in C/C++** **Dr Neeraj Kumar Srivastava, UIM Allahabad** Lecture by Prof R K Upadhyay 2 July (2:00-3:00 pm)	**P-SPICE session by mentor institute.** **2 July to 8 July** Lecture by Prof R K Upadhyay 3 July (2:00-3:00 pm)	**P-SPICE session by mentor institute.** **2 July to 8 July** Lecture by Prof R K Upadhyay 3 July (2:00-3:00 pm)	**25 June- 01 July** **Program on Naturopathy** **02 July to 8 July** **Computer Skills in C++ by Dr. Saurabh Pal/ Dr. Shyam Kumar, Maharaja Balwant Singh, Varanasi** Lecture by Prof R K Upadhyay

			2 July (3:30-4:30 pm)

- Below listed are the names of supporting Lab Staff for Computer Skills:

    Ms. Sonam Jhaa

Mr. Pankaj Kumar

    Mr. Dhyan Chandra

- P-SPICE session by mentor institute

Mr. Chetan HR, Faculty, Mentor Institute, PES Mandya

    Mr. Mahesh Kumar, Faculty, Mentor Institute, PES Mandya

- Program on Naturopathy

    Dr. Chhaya Singh (Head)

    Mrs Maya Singh (Supporting Staff)

    Ms. Ekta Pandey (Supporting Staff)

    Mr. Pradeep Kumar (Lower Staff)

Veer Bahadur Singh Purvanchal University, Jaunpur

Uma Nath Singh Institute of Engineering & Technology

Technical Education Quality Improvement Programme (TEQIP-III)EC EI EE

Time Table for Internship of 2nd year passed students:

Day& Date		Session I 10-11:30	Session II 1130-1300h	Session III 1400-1530h	Session IV 1545-1715h
27-05-19	Programme Overview	Industrial Packaging Methods of Electronics Components and their availability in Market **Mr.Sharath/ Mr.SyedAbdur**	1.Different types of Boards available and their purpose & Design Rules of PCB 2.Introduction to PCB Designing Software & Grid Management **Mr.Sharath/ Mr.SyedAbdur**	1. Circuit Designing and its importance 2.Development of Schematic using Software. **Mr.Sharath/ Mr.SyedAbdur**	1.Development of Schematic using Software 2. Intro to Design Libraries & Component Selection. 3. Designing PCB Layout **Mr.Sharath/ Mr.SyedAbdur**
28-05-19		1. Study of layers, Tracks, Pads, vias, Dimensions 2. 2-Layer Board Design **Mr.Sharath/ Mr.SyedAbdur**	1. Use of ulp's and generation of Gerber files 2. Gerber view Software **Mr.Sharath/ Mr.SyedAbdur**	1. Advanced Techniques in Board Design 2. Use of Eagle up (extension to Eagle) **Mr.Sharath/ Mr.SyedAbdur**	1. 2hr Design Competition 2. Valedictory and Certificate Distribution **Mr.Sharath/ Mr.SyedAbdur**

29-05-19	Circuit Capture and Analyze in NI SPICE Suite WHAT? WHY? HOW? **Mr.SagarKirangi/ Mr.Jeejesh Kumar**	Hands-on Circuit Capture – Multisim Environment **Mr.SagarKirangi/ Mr.Jeejesh Kumar**	Hands-onCircuitAnalysis–AC&DCAnalysis **Mr.SagarKirangi/ Mr.Jeejesh Kumar**	Hands-on Application Development **Mr.SagarKirangi/ Mr.Jeejesh Kumar**
30-05-19	Preparing the Simulated Circuit for the Fabrication **Mr.SagarKirangi/ Mr.Jeejesh Kumar**	Converting the Multisimto Ultiboard–Wires&Pads **Mr.SagarKirangi/ Mr.Jeejesh Kumar**	Hands-onUltiboard–Routing andErrorChecking **Mr.SagarKirangi/ Mr.Jeejesh Kumar**	Hands-on Circuit 3D View–Finalizingand GeneratingtheGerberfile **Mr.SagarKirangi/ Mr.Jeejesh Kumar**
31-05-19	Introduction to ARM Processor andKiel Programming on LPC2148 Controller. **Mr. Vishwanath Thammanna/ Mr. Arun Kumar**	Port Programming, LED & LCD Programming (4 Bit or 8 Bit). **Mr. Vishwanath Thammanna/ Mr. Arun Kumar**	Motor interfacing, Key Pad, ADC, ADC with LCD. **Mr. Vishwanath Thammanna/ Mr. Arun Kumar**	UART0, UART1 **Mr. Vishwanath Thammanna/ Mr. Arun Kumar**
01-06-19	Different way of programming using ADC, UART 0/1 & LCD **Mr. Vishwanath Thammanna/ Mr. Arun Kumar**	RFID, Zigbee interfacing **Mr. Vishwanath Thammanna/ Mr. Arun Kumar**	GSMinterfacing **Mr. Vishwanath Thammanna/ Mr. Arun Kumar**	mini project **Mr. Vishwanath Thammanna/ Mr. Arun Kumar**

Veer Bahadur Singh Purvanchal University, Jaunpur

Uma Nath Singh Institute of Engineering & Technology

Technical Education Quality Improvement Programme (TEQIP-III) EC EI

Time Table for Internship 2nd year passed students:

Day & Date	Session I 10-11:30	Session II 1130-1300h	Session III 1400-1530h	Session IV 1545-1715h
03-06-19	Personality Development for a successful professional and personal life ahead. **Dr.Patrick Anthony**	Leadership and Teambuilding Skills with activities and Roleplay **Dr.Patrick Anthony**	Resume Writing **Mr.M.V.D.Prasad/ Er.Sai Kishore**	Interview Skills/ Life Skills **Ms.Prasanna/ Dr.Manoj Shastri**
04-06-19	Goal Setting-How you want to see yourself after 5 years from now? **Dr.Patrick Anthony**	Presentation Skills for Student Startups **Er.P.Sai Kishore**	Life Skills session/ Questionnaires **Dr.Manoj Shastri/ Mr.MVD Prasad**	How can one become a successful entrepreneur ? What are the key qualities, traits and characteristics of an entrepreneur? **Ms.Prasanna**

05-06-19	Design Thinking Concept --IDEATHON-Idea Generation Workshop / Life Skills **Er.P.Sai Kishore/ Dr.Manoj Shastri**	Startup Funding Agencies **Dr.Patrick Anthony**	Student start-up pitches **Er.P.Sai Kishore**	Group discussions dynamics **Mr.M.V.D.Prasad/ Ms.Prasanna**
06-06-19	Future Designing **Mr. Mohan Kumar Gandhi**		IPR(Intellectual Property Rights) for Startups **Mr.Vijay Kumar Makyam**	
07-06-19	Importance of Trademarks, Patents and Industrial Designs **Mr.Vijay Kumar Makyam**		Its your Life/ PMA turns the life **Mr. Mohan Kumar Gandhi**	
08-06-19	**Victory Circle/POST EVALUATION** **Mr. Mohan Kumar Gandhi**		Procedure for Patent Drafting and Filing before Indian Patent Office-Dos and Donts **Mr.Vijay Kumar Makyam**	

Tea Break: (a) Morning : 1115 -1130h   **Lunch**: 1300-1400h   **Tea Break** (b) Afternoon: 1530-1545h

Veer Bahadur Singh Purvanchal University, Jaunpur

Uma Nath Singh Institute of Engineering & Technology

Technical Education Quality Improvement Programme (TEQIP-III)EC EI

Time Table for Internship of 2nd year passed students:

Day& Date	**Session I** 10-11:30	**Session II** 1130-1300h	**Session III** 1400-1530h	**Session IV** 1545-1715h
10-06-19	1. Sensor Design Introduction. 2. Tools setup **Mr. Ajay Singh / Mr. Suraj Parhi**	3. Designing proximity Sensor. 4. Calibration practical **Mr. Ajay Singh/ Mr. Suraj Parhi**	1 .Designing Light sensor 2 Learning about Application **Mr. Ajay Singh/ Mr. Suraj Parhi**	3. Real life use and solving problem using sensor 4. High end sensors. **Mr. Ajay Singh/ Mr. Suraj Parhi**
11-06-19	1. Introduction to small design 2. And Development of satellites **Mr. Ajay Singh / Mr. Suraj Parhi**	3. Assembly of the small satellites. **Mr. Ajay Singh/ Mr. Suraj Parhi**	4. .programming of the Satellite **Mr. Ajay Singh/ Mr. Suraj Parhi**	5. Testing and Debugging **Mr. Ajay Singh/ Mr. Suraj Parhi**
12-06-19	1.Introduction to smart way of developing	2.Designing the app and programming it	3. Designing an UAV Android App.	4. Testing and Debugging

	Andriod App Development **Mr. Ajay Singh / Mr. Suraj Parhi**	**Mr. Ajay Singh/ Mr. Suraj Parhi**	**Mr. Ajay Singh/ Mr. Suraj Parhi**	**Mr. Ajay Singh/ Mr. Suraj Parhi**
13-06-19	1.Introduction to unmanned Aerial vehicle **Mr. Ajay Singh / Mr. Suraj Parhi**	2 Designing the UAV and making the body of it. **Mr. Ajay Singh/ Mr. Suraj Parhi**	3 Programming and building the circuit work of the UAVs **Mr. Ajay Singh/ Mr. Suraj Parhi**	4 Testing and Debugging of the UAVs. **Mr. Ajay Singh/ Mr. Suraj Parhi**
14-06-19	**PROJECT WORK** **Mr. Ajay Singh/ Mr. Suraj Parhi**			
15-06-19	**PROJECT WORK** **Mr. Ajay Singh/ Mr. Suraj Parhi**			

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S. No.	Name	Affiliation
1	Mr. Sharath Vedala	R & D Engineer, Meerpet, Telangana
2	Mr. Sagar Kirangi	Sr. Application Engg, VI Solutions, Bangalore
3	Mr. Jeejesh Kumar V	Sr. Application Engg, VI Solutions, Bangalore
4	Dr. M K Mishra	Professor, IIIT Allahabad
5	Mr. P Mohan Kumar Gandhi	Consultant Tranee, Hyderabad
6	Mr. Sayed Abdur Rauf Magrabi	Robotics Trainer, Dbeerpura, Hyderabad
7	Mr. G.K. Upadhyay	Ex Meber Telecom Department, Gaziabad
8	Ms. Sonam Jhaa	Lab Staff, Md. Hassan P G College
9	Mr. Pankaj Kumar	Asst. Prof., Dept of Computer Application, VBSPU
10	Mr. Neeraj Kr. Srivastava	Associater Professor, UIM Allahabad
11	Mr. Chetan HR	Asst Professor EE Dept, Karnataka
12	Mr. Dhyan Chandra	Post Doctoral Fellowship, Dept of Computer Application, VBSPU
13	Mr. PingnaganPranavam	Director Botany Lab, Bangalore
14	Mr. Suraj Parhi	Project Coordinator, D B School Ranchi
15	Mr. Mahesh Kumar	Assistant Professor, Karnataka
16	Dr. Brijesh Kumar Bhardwaj	Associater Professor, Dr. RML Awadh University, TEQIP Institute
17	Dr. Shyam Prakash Kashyap	AssociaterProfessor,Maharaja Balwant Singh, Varanasi
18	Mr. RK Upadhyay	Former CMD BSNL, TCIL, India
19	Mr. Vijay Kumar Makyam	IPR Atorney, Hyderabad
20	Mr. Uday Shanker	Professor, MMM Gorakhpur, TEQIP Institution
21	Mr. MVD Prashad	Associate Professor, Telangana
22	Ms. Vandana Sheoran	Free Lancer, Communication Skills
23	Mr. Ajay Singh	CEO Robogean Solutions Suncity
24	Mr. Shivannd R Pujara	Consultant Pune
25	Ms.D Anuradha Dhara	Sr. Manager HR, Chennai
26	Dr. I Ramachandra Reddy	Director Botany Lab, Bangalore

27	Mr. AP Natarajan	Dr. A P Natrajan Director Victoria Training Foundation, Chennai
28	Dr. Saurabh Pal	HOD/ Associate Professor, Computer Application, VBSPU
29	Dr. Manoj Chaturvedi	Rajpurohit Vidisha
30	Ms. Chhaya Singh	Naturopathy Expert
31	Ms. Maya Singh	Naturopathy (Staff)
32	Miss Ekata Pandey	Naturopathy (Staff)
33	Mr. Pradeep Kumar	Naturopathy (Staff)
34	Dr. A Pattrik	Assistant Professor, Telangans
35	Mr. Pashumala Sai Kishore	Assistant professor, Hyderabad
36	Mr. Maddla Sai Prasanna	Associate Professor, Hyderabad
37	Mr. Arun Kumar S	Manager, tumkure
38	Mr. Vishwanath T	CEO, Tumkure

ANNEXURE 5

Uma Nath Singh Institute of Engineering & Technology, VBS Purvanchal University, Jaunpur - 1.1 Audited by Prof. Gangadharan K. V.

MONITORING AND PROJECT OUTPUT/OUTCOMEPARAMENTERS	GRADE
A. Effectiveness of funds utilized for the teaching, training, learning andresearch equipment, library, computers, etc. by Institutions:	
1. Percentage utilization of the funds released by MHRD to the institutions (90%).	2
Documents Uploaded	
2. Percentage of expenditure accounted in the book of accounts against funds utilized (90%).	2
Documents Uploaded	
B. Improvement in Teaching, Learning and Research competence.	
1. Percentage of NBA-accredited programs (UG and PG) or applied for out of eligible programs (at least 60% of eligible programs).	3
Documents Uploaded	
2. Implementation of GATE: Percentage of UG students enrolled for GATE (70%)	2
Documents Uploaded	
3. Implementation of GATE: Percentage of final students provided GATE training(70%)	2
Documents Uploaded	
4. Implementation of GATE: Percentage of UG student acquired GATE valid score (17%)	2
Documents Uploaded	
5. Percentage of PhD students in total enrolment in engineering disciplines in participating institutes	3
Documents Uploaded	
C. Implementation of AICTE mandate	
1. Percentage of newly admitted 1st year students attended three weeks Induction program conducted by mentor faculty of the institute (100%)	1
Documents Uploaded	
2. Percentage of pre-final and final year UG students participated in Industry readiness program.	2
Documents Uploaded	
3. Institute has Start-up /innovation cell and the activities (start-up ecosystem, drive for promoting creativity, Hackathon participation etc.) are evident (Y/N)	2
Documents Uploaded	
4. Percentage of UG students undergone internships spanning 4 to 8 weeks in industry (100%).	2
Documents Uploaded	
5. In case of autonomous institutes, presence of industry consultation committee (ICC) and no. of meetings arranged for Curriculum review/ revision (Y/N). Or Presence ICC and Verification of PEO by ICC for non-autonomous institutes (Y/N).	3
Documents Uploaded	
6. Percentage of students who have been imparted training in technical and soft skills required for working in the industry.	2
Documents Uploaded	
D. Increasing faculty productivity and motivation	
1. Sanctioned faculty positions are as per AICTE norms (1:20 ratio) in all the programs eligible for accreditation (Y/N).	2
Documents Uploaded	

2. Percentage of sanctioned faculty positions in participating institutes filled by regular or contract faculty (60%).	2
Documents Uploaded	
3. Number of faculty members deputed for upgradation of qualification.	2
Documents Uploaded	
4. Percentage of faculty that have taken annual refresher delivered through SWAYAM portal (50%).	2
Documents Uploaded	
5. Percentage of faculty trained in either their subject domain, pedagogy, or management capacity building and leadership programs 70%).	2
Documents Uploaded	
6. Percentage of externally funded R&D projects and consultancies in total revenue in participating institutes (7%)	3
Documents Uploaded	
E. Effectiveness of equity at Institutional level:	
1. Existing land being used is free of trespassers / encroachers & Labour and Stakeholders safety during repair or refurbishment in the institute :	2
Documents Uploaded	
2. Sufficient Sanitary provisions are available for female with facility of vending machine and disposal:	2
Documents Uploaded	
3. Percentage of faculty positions filled in the institute by same category on regular or contract basis (out of sanctioned position for respective category). (a) SC (filled by SC faculty/ sanctioned for SC Faculty): Target 20% : (b) ST (filled by ST faculty/ sanctioned for ST Faculty): Target 20% : (c) Female (filled female faculty/ total filled faculty): Target 30% :	0
Not Uploaded	
4. Percentage of number of faculty trained in either their subject domain, pedagogy or management, attended conference/ seminar in participating institutes out of available faculty in the respective category. SC (70%) : ST (70%) : Female (70%) :	0
Not Uploaded	
5. Percentage of students from traditionally disadvantaged groups in total enrolment in the institute. SC (13%) : ST (7%) : Female (30%) :	0
Not Uploaded	
6. Percentage of number of students transitioned from the first year to the second year (without backlog) in undergraduate programmes out of enrolled students in respective category. SC (50%) : ST (50%) : Female (55%) :	0
Not Uploaded	
7. Percentage of final year students trained for GATE/Employability skills training out of final year students in respective category. SC (70%) : ST (70%) : Female (70%) :	0
Not Uploaded	
F. Improved system efficiency, as demonstrated through:	

2. Percentage of sanctioned faculty positions in participating institutes filled by regular or contract faculty (60%).	2
Documents Uploaded	
3. Number of faculty members deputed for upgradation of qualification.	2
Documents Uploaded	
4. Percentage of faculty that have taken annual refresher delivered through SWAYAM portal (50%).	2
Documents Uploaded	
5. Percentage of faculty trained in either their subject domain, pedagogy, or management capacity building and leadership programs 70%).	2
Documents Uploaded	
6. Percentage of externally funded R&D projects and consultancies in total revenue in participating institutes (7%)	3
Documents Uploaded	
E. Effectiveness of equity at Institutional level:	
1. Existing land being used is free of trespassers / encroachers & Labour and Stakeholders safety during repair or refurbishment in the institute :	2
Documents Uploaded	
2. Sufficient Sanitary provisions are available for female with facility of vending machine and disposal:	2
Documents Uploaded	
3. Percentage of faculty positions filled in the institute by same category on regular or contract basis (out of sanctioned position for respective category). (a) SC (filled by SC faculty/ sanctioned for SC Faculty): Target 20% : (b) ST (filled by ST faculty/ sanctioned for ST Faculty): Target 20% : (c) Female (filled female faculty/ total filled faculty): Target 30% :	0
Not Uploaded	
4. Percentage of number of faculty trained in either their subject domain, pedagogy or management, attended conference/ seminar in participating institutes out of available faculty in the respective category. SC (70%) : ST (70%) : Female (70%) :	0
Not Uploaded	
5. Percentage of students from traditionally disadvantaged groups in total enrolment in the institute. SC (13%) : ST (7%) : Female (30%) :	0
Not Uploaded	
6. Percentage of number of students transitioned from the first year to the second year (without backlog) in undergraduate programmes out of enrolled students in respective category. SC (50%) : ST (50%) : Female (55%) :	0
Not Uploaded	
7. Percentage of final year students trained for GATE/Employability skills training out of final year students in respective category. SC (70%) : ST (70%) : Female (70%) :	0
Not Uploaded	
F. Improved system efficiency, as demonstrated through:	

1. Constitution of BoG as per the prescribed format (Y/N).	2
Documents Uploaded	
2. BoG, Department Management Committee or equivalent that meets at least 4 times every calendar (Y/N)	3
Documents Uploaded	
3. Minutes of all the above 4 meetings disclosed publically (on website) (Y/N).	3
Documents Uploaded	
4. Status of Autonomy (Academic, Administrative, Financial) o UGC Autonomy (Y/N) o If Autonomous, continuation granted by UGC (Y/N)	3
Documents Uploaded	
5. Institute produces and publish an annual report in the prescribed format in accordance with the requirements set out in the PIP (Y/N).	2
Documents Uploaded	
G. Twinning Activities:	
1. The action plan for twinning activities implemented in last year and & current year planned (Y/N).	3
Documents Uploaded	
2. No. of courses/ classes/workshops conducted by the faculty of Institute under sub component 1.3 for students of 1.1 institute for training and academic development and vice versa (Min 1 per program per year).	3
Documents Uploaded	
3. No. of courses delivered by 1.3 institution for students of 1.1 institutions (Min 1 per program per year). (10% syllabus covered).	2
Documents Uploaded	
4. No. of Trainings conducted for faculty/ support staff of 1.1 institute by Institute under sub component 1.3 for training and academic development and vice versa (Min 1 per program per year).	3
Documents Uploaded	
5. No. of Seminars / Techfest, and conferences conducted by Institute under sub component 1.3 for 1.1 institute for students to share research and discuss technological advancements in dynamic industrial and business environment (Min 1 per year).	3
Not Uploaded	
6. % of faculty perusing collaborative research (10%).	3
Documents Uploaded	
7. No. of departmental partnership for joint research activities for applied research and technological development (1 per program).	3
Documents Uploaded	
8. Number of Industry partnership for joint R & D, and internships (Min 1 per year).	3
Documents Uploaded	
9. Career Planning Sessions by 1.3 institution for 1.1 institution (2 Sessions).	3
Documents Uploaded	
10. Number of Seminars and learning forums conducted by Institute under sub component 1.3 for 1.1 institute on Governance practices, institutional management, academic and non-academic reforms (Min 1 per year).	3
Documents Uploaded	
11. Number of faculty of 1.1 institute inducted on various bodies (BoG, BoS, Senate etc.) of 1.3 institute for learning on good governance practices and vice versa.	3
Documents Uploaded	
12. Assistance provided in short term advisory and consultancy services by Institute under sub component 1.3 for 1.1.	3
Not Uploaded	

13. Workshop conducted on Outcome Based Education (NBA) by Institute under sub component 1.3 for 1.1 institute.	2
Documents Uploaded	
14. Assistance given by the Institute under sub component 1.3 for 1.1 institute in filling-up of SAR for getting accreditation.	3
Not Uploaded	

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMENTERS	GRADE*	Weightage %	Total Score (Grade x Weightage/ 100)
A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions	2.00	15	0.30
B. Improvement in Teaching, Learning and Research competence.	2.50	15	0.38
C. Implementation of AICTE mandate	2.00	15	0.30
D. Increasing faculty productivity and motivation	2.17	10	0.22
E. Effectiveness of equity at Institutional level	2.00	15	0.30
F. Improved system efficiency	2.60	15	0.39
G. Twinning Activities	2.71	15	0.41
*The grade for each parameter is calculated based on the average of all sub-parameters.	Total Score		2.30

Remarks:

Week points Very few permanent faculty members Very few technical staff, most of the labs are well equipped and ill staffed contract faculty with 11 months contract, but continuing for quite few years No BOG yet, No NBA due to lack of faculty and staff strength College is a faculty of the university and in the same campus, not autonomous in real sense. Poor Language skills â€" both Students and teachers No campus WIFI, limited net connectivity Fund utilisation need to be improved Strong points Available faculty members are motivated and willing to stretch for TEQIP - III Very good student admission in first year. Students are enthusiastic Available faculty members are well experienced Remarks Soft skill, especially language skills, need immediate proactive intervention Twinning programs are picking up, presently few visits and internships only Geographical location and distance is a hurdle in twinning. A placement cell in created and started functioning, more effort is required. GATE coaching firm has been finalized, yet to start activity. Library and lab is not available after class hours No Technical festivals, and professional society for student activities Student to organize technical event at college level and department level

I Prof. Gangadharan K. V. verify that all the information provided is correct to best of my knowledge.

Date Submitted: 12/08/2018

Second Visit Performance Audit Report:

Uma Nath Singh Institute of Engineering & Technology, VBS Purvanchal University, Jaunpur Audited by Prof. Gangadharan K. V.

MONITORING AND PROJECT OUTPUT/OUTCOMEPARAMENTERS	GRADE
A. Effectiveness of funds utilized for the teaching, training, learning andresearch equipment, library, computers, etc. by Institutions:	
1. Percentage utilization of the funds released by MHRD to the institutions (90%).	2
Documents Uploaded	
2. Percentage of expenditure accounted in the book of accounts against funds utilized (90%).	2
Documents Uploaded	
B. Improvement in Teaching, Learning and Research competence.	
1. Percentage of NBA-accredited programs (UG and PG) or applied for out of eligible programs (at least 60% of eligible programs).	3
Documents Uploaded	
2. Implementation of GATE: Percentage of UG students enrolled for GATE (70%)	2
Documents Uploaded	
3. Implementation of GATE: Percentage of final students provided GATE training(70%)	2
Documents Uploaded	
4. Implementation of GATE: Percentage of UG student acquired GATE valid score (17%)	2
Documents Uploaded	
5. Percentage of PhD students in total enrolment in engineering disciplines in participating institutes	1
Documents Uploaded	
C. Implementation of AICTE mandate	
1. Percentage of newly admitted 1st year students attended three weeks Induction program conducted by mentor faculty of the institute (100%)	1
Documents Uploaded	
2. Percentage of pre-final and final year UG students participated in Industry readiness program.	1
Documents Uploaded	
3. Institute has Start-up /innovation cell and the activities (start-up ecosystem, drive for promoting creativity, Hackathon participation etc.) are evident (Y/N)	1
Documents Uploaded	
4. Percentage of UG students undergone internships spanning 4 to 8 weeks in industry (100%).	2
Documents Uploaded	
5. In case of autonomous institutes, presence of industry consultation committee (ICC) and no. of meetings arranged for Curriculum review/ revision (Y/N). Or Presence ICC and Verification of PEO by ICC for non-autonomous institutes (Y/N).	2
Documents Uploaded	
6. Percentage of students who have been imparted training in technical and soft skills required for working in the industry.	2
Documents Uploaded	
D. Increasing faculty productivity and motivation	
1. Sanctioned faculty positions are as per AICTE norms (1:20 ratio) in all the programs eligible for accreditation (Y/N).	3
Documents Uploaded	
2. Percentage of sanctioned faculty positions in participating institutes filled by regular or contract	1

faculty (60%).	
Documents Uploaded	
3. Number of faculty members deputed for upgradation of qualification.	1
Documents Uploaded	
4. Percentage of faculty that have taken annual refresher delivered through SWAYAM portal (50%).	2
Documents Uploaded	
5. Percentage of faculty trained in either their subject domain, pedagogy, or management capacity building and leadership programs 70%).	1
Documents Uploaded	
6. Percentage of externally funded R&D projects and consultancies in total revenue in participating institutes (7%)	3
Not Uploaded	
E. Effectiveness of equity at Institutional level:	
1. Existing land being used is free of trespassers / encroachers & Labour and Stakeholders safety during repair or refurbishment in the institute :	2
Documents Uploaded	
2. Sufficient Sanitary provisions are available for female with facility of vending machine and disposal:	2
Documents Uploaded	
3. Percentage of faculty positions filled in the institute by same category on regular or contract basis (out of sanctioned position for respective category). (a) SC (filled by SC faculty/ sanctioned for SC Faculty): Target 20% : (b) ST (filled by ST faculty/ sanctioned for ST Faculty): Target 20% : (c) Female (filled female faculty/ total filled faculty): Target 30% :	2
Documents Uploaded	
4. Percentage of number of faculty trained in either their subject domain, pedagogy or management, attended conference/ seminar in participating institutes out of available faculty in the respective category. SC (70%) : ST (70%) : Female (70%) :	2
Documents Uploaded	
5. Percentage of students from traditionally disadvantaged groups in total enrolment in the institute. SC (13%) : ST (7%) : Female (30%) :	2
Documents Uploaded	
6. Percentage of number of students transitioned from the first year to the second year (without backlog) in undergraduate programmes out of enrolled students in respective category. SC (50%) : ST (50%) : Female (55%) :	2
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7. Percentage of final year students trained for GATE/Employability skills training out of final year students in respective category. SC (70%) : ST (70%) : Female (70%) :	2
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F. Improved system efficiency, as demonstrated through:	
1. Constitution of BoG as per the prescribed format (Y/N).	1

Documents Uploaded	
2. BoG, Department Management Committee or equivalent that meets at least 4 times every calendar (Y/N).	1
Documents Uploaded	
3. Minutes of all the above 4 meetings disclosed publically (on website) (Y/N).	1
Documents Uploaded	
4. Status of Autonomy (Academic, Administrative, Financial) o UGC Autonomy (Y/N) o If Autonomous, continuation granted by UGC (Y/N)	2
Documents Uploaded	
5. Institute produces and publish an annual report in the prescribed format in accordance with the requirements set out in the PIP (Y/N).	2
Documents Uploaded	
G. Twinning Activities:	
1. The action plan for twinning activities implemented in last year and & current year planned (Y/N).	3
Not Uploaded	
2. No. of courses/ classes/workshops conducted by the faculty of Institute under sub component 1.3 for students of 1.1 institute for training and academic development and vice versa (Min 1 per program per year).	1
Documents Uploaded	
3. No. of courses delivered by 1.3 institution for students of 1.1 institutions (Min 1 per program per year). (10% syllabus covered).	2
Documents Uploaded	
4. No. of Trainings conducted for faculty/ support staff of 1.1 institute by Institute under sub component 1.3 for training and academic development and vice versa (Min 1 per program per year).	1
Documents Uploaded	
5. No. of Seminars / Techfest, and conferences conducted by Institute under sub component 1.3 for 1.1 institute for students to share research and discuss technological advancements in dynamic industrial and business environment (Min 1 per year).	1
Documents Uploaded	
6. % of faculty perusing collaborative research (10%).	3
Documents Uploaded	
7. No. of departmental partnership for joint research activities for applied research and technological development (1 per program).	2
Documents Uploaded	
8. Number of Industry partnership for joint R & D, and internships (Min 1 per year).	2
Documents Uploaded	
9. Career Planning Sessions by 1.3 institution for 1.1 institution (2 Sessions).	2
Documents Uploaded	
10. Number of Seminars and learning forums conducted by Institute under sub component 1.3 for 1.1 institute on Governance practices, institutional management, academic and non-academic reforms (Min 1 per year).	2
Documents Uploaded	
11. Number of faculty of 1.1 institute inducted on various bodies (BoG, BoS, Senate etc.) of 1.3 institute for learning on good governance practices and vice versa.	3
Not Uploaded	
12. Assistance provided in short term advisory and consultancy services by Institute under sub component 1.3 for 1.1.	3
Not Uploaded	
13. Workshop conducted on Outcome Based Education (NBA) by Institute under sub component 1.3	1

Documents Uploaded	
2. BoG, Department Management Committee or equivalent that meets at least 4 times every calendar (Y/N)	1
Documents Uploaded	
3. Minutes of all the above 4 meetings disclosed publically (on website) (Y/N).	1
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Not Uploaded	
13. Workshop conducted on Outcome Based Education (NBA) by Institute under sub component 1.3	1

for 1.1 institute.		
Documents Uploaded		
14. Assistance given by the Institute under sub component 1.3 for 1.1 institute in filling-up of SAR for getting accreditation.	3	
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MONITORING AND PROJECT OUTPUT/OUTCOME PARAMENTERS	GRADE*	Weightage %	Total Score (Grade x Weightage/ 100)
A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions	2.00	15	0.30
B. Improvement in Teaching, Learning and Research competence.	2.00	15	0.30
C. Implementation of AICTE mandate	1.50	15	0.22
D. Increasing faculty productivity and motivation	1.83	10	0.18
E. Effectiveness of equity at Institutional level	2.00	15	0.30
F. Improved system efficiency	1.40	15	0.21
G. Twinning Activities	1.43	15	0.21
*The grade for each parameter is calculated based on the average of all sub-parameters.	Total Score		1.72

Remarks:

Positive changes: (i) Contact faculty members has been appointed for 5 year duration (ii) Move toward applying for NBA initiated (iii) BOG in place and Meeting are held and report in on web site (iii) Induction program and participation of mentor institute is participating (iv) Twinning program has improved (iV) GATE registration has improved , but still to do GATE training formally (v) Placement and training cell is active Points to improve: Very poor staff strength , all labs are kept locked as there is only one non teaching staff per department, very few Permanent faculty members, No WIFI , Computing facility for faculty is minimum , lack of availability of LCD projection is every classroom, Faculty members are not aware of the DIgital library which is available in university /college Most of the class /student faculty interaction are in Hindi medium which reduces the confidence of Students tp face interview and group discussion Action required: 1.Prepare SAR and apply for NBA 2.Provide WIFI and Computing facility to students and faculty 3. Provide staff to every department and make lab available at least during working hours 4. Make sure every faculty knows about the facility available , specifically digital library 5. Urgent requirement for faculty and student language skill upgradation Overall there is good improvement compare to previous visit

I Prof. Gangadharan K. V. verify that all the information provided is correct to best of my knowledge.

Date Submitted: 28/08/2019