

E- Newsletter

DEPARTMENT OF ELECTRICAL ENGINEERING

JANUARY-MARCH 2019 | Volume 3, NO 1

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Vision

“To Prepare Professionally

Competent Electrical Engineers for

Global Industrial requirements and

societal needs”



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MISSION

- *Impart state-of-the-art technical education at UG, PG and Ph.D. levels through good academic support & facilities. (Academic Development)*
- *Keep pace with latest technological developments in the domain. (R&D Activities)*
- *Effective interactions with industries, academia and other stakeholders. (Industrial & Societal needs)*
- *Provide training on soft skills, managerial skills and professional ethics for overall development of students and society in an ethical manner. (Human Potential Development)*

Programme Educational Objectives (PEOs)

PEO-I

Graduates of the program will have successful technical and professional career

PEO-II

Graduates of the program will continue to learn and adapt in a world of constantly evolving technology

PEO-III

Graduates of the program will be able to apply, analyze, design and develop products and solutions for real life Electrical Engineering problems.

PEO-IV

Graduates of the program will be able to manage projects catering to current societal and industrial needs in an ethical manner as a members/leaders of multidisciplinary teams

NEWSLETTER TEAM MEMBER

Advisor – Dr. S. Wadhvani

Faculty Member-Prof.Shweta Kumari, Prof.Aprajita Kumari, Prof. Shailendra Pratap Prof Bhavna Rathore, Prof Vishal Chaudhary, Dr Vikram.

Student member-Mr.Abhinav Singh Tomar , B.Tech Third Year, EED,Mr. Ritik Gupta, B.Tech Second Year, EED

FACULTY OUTREACHED

- **Dr. Laxmi Srivastava** attended faculty training programme at Indian Institute of Management Kozhikode on " Professional Development Training for TEQIP Institutions" from 28Jan-01Feb, 2019.
- **Dr. Manjaree Pandit** attended faculty training programme at Indian Institute of Management Kozhikode on Professional Development Training for TEQIP Institutions" from 28Jan-01Feb, 2019.
- **Dr. A.K. Wadhvani** attended faculty training programme at MITS GWALIOR on Digital Image Processing using MATLAB from 18Feb-22Feb, 2019
- **Prof. Rakesh Narvey** attended faculty training programme at MITS Gwalior on " Sustainable Development: Methods and Practices" from 21Feb-25Feb, 2019
- **Dr. Vijay Bhuria** attended faculty training programme at IIT Guwahati, on " Fundamentals of robotics and artificial intelligence" 04Feb-08Feb, 2019
- **Prof. Vishal Chaudhary** attended faculty training programme at MITS Gwalior on " Solar Energy Technologies" from 25Feb-01Mar, 2019
- **Prof. Himmat Singh** attended faculty training programme at attended faculty training programme at MITS Gwalior on " Sustainable Development: Methods and Practices" from 21Feb-25Feb, 2019
- **Prof. Himmat Singh** attended faculty training programme at IIT Guwahati, on " Fundamentals of robotics and artificial intelligence" 04Feb-08Feb, 2019
- **Prof. Himmat Singh** attended faculty training programme at MITS Gwalior, on " Optimization Techniques using Nature Inspired Algorithms for Engineering Applications" 13Feb-17Feb, 2019
- **Prof. Himmat Singh** attended faculty training programme at MITS Gwalior, on " Optimization Techniques using Nature Inspired Algorithms for Engineering Applications" 13Feb-17Feb, 2019
- **Prof. Tarun Srivastava** attended faculty training programme at MITS Gwalior, on "Optimization Techniques using Nature Inspired Algorithms for Engineering Applications" 13Feb-17Feb, 2019

STUDENTS PARTICIPATION IN TECHNICAL EVENTS OUTSIDE THE COLLEGE

- **Nikhil Paliwal** attended International Conference on Social Networking & Computational Intelligence (SCI) "Social Networking & Computational Intelligence (SCI)" at Bhopal from 8-9 March, 2019.
- **Dev Gupta** attended "SRIJAN 2019" RJIT, Tekanpur from 23 Feb, 2019.
- **Richa Sharma** attended "Advance Trends & Techniques in Wireless Communication and Soft Computing" at Maharana Pratap College of Technology, Gwalior from 2-3 Feb, 2019.
- **Ankit Sahu** attended "National level quizzing event ChimeraX" at Gwalior from 02 Feb 2019
- **Deependra Basediya** attended "Bang Bang Dance Championship season -2, Rockzone Dance Studio" at Morena from 06 Jan 2019

ACADEMIC ACTIVITIES



- **A Talk on Gender Equity** has been conducted by the electrical department in which Former Miss Asia Tanya Mittal was invited to share an interactive session on 30.03.2019. With the students on such an important topic along with throwing some light on her past by telling how she coped up with such situations and worked hard to become one of the youngest Millionaire. At this moment Dr. Manjaree Pandit, Dean Academics, Dr. Manish Dixit and Prof. Vishal Chaudhary were also present. The event ended successfully including Q & A session at the last. The expert Miss Tanya Mittal was happy with the response and also wished to the Institute again.

ACADEMIC ACTIVITIES

SELP program is claimed to be very useful for the students to improve overall performance, boosting confidence, enhancing creativity and communication that helps in developing their leadership and team building skills to develop personality, eliminate mental stress and improve the physical health of an individual.

It is important that the objectives and the activities of the SELP program are clearly defined and understood. Following is the intended objectives of SELP program:

1. SELP Program create a platform for youth worldwide by offering multiple opportunities to accelerate their physical, emotional and intellectual quotient.
2. The program imbibe a passion for excellence and instill a spirit of volunteerism in the youth, creating a strong foundation for nation building.
3. The program provide experiential learning with an integrated framework for the youth to excel in various aspects of life and lead a life with higher sense of responsibility.



FACULTY AS THE RESOURCE PERSON

- **Dr. A.K. Wadhvani** Chair a session on "Recent Trends in Electrical, Electronics & communication Engg. (RTEECE-19)" at Bundelkhand Institute of Engg. & Technology from 23-24 Febraury,2019.
- **Dr Vijay Bhuria** given a Expert talk on "Energy Audit & Management" at Jabalpur Engg. College, Jabalpur from 8th March 2019.
- **Dr A K Wadhvani** given a Expert talk on "National Conference on advance trends and techniques in wireless communication and soft computing" at Maharana Pratap College of Technology, Gwalior from 2-3rdFebraury ,2019.
- **Dr A K Wadhvani** given a Expert talk on "AICTE QIP STC on Bio Electric signals & Medical Imaging: Post processing & clinical Appl" at MITS, Gwalior from 26th Feb 2019-08th March 2019.
- **Dr Laxmi Srivastava** given a Expert talk on "QIP STC on Bio Electric signals & Medical Imaging: Post processing & clinical Appl at MITS, Gwalior from 26th Feb 2019-08th March 2019.
- **Dr Laxmi Srivastava** given a Expert talk on "Overview of Optimization techniques & Jaya Algorithm" at MITS, Gwalior from 13-17 Febraury,2019.
- **Dr S Wadhvani** given a Expert talk on "Teaching-Learning-Based Optimization (TLBO)" at MITS, Gwalior from 13-17 Febraury,2019.
- **Dr A K Wadhvani** given a Expert talk on "Fuzzy and its applications" at MITS, Gwalior from from 13-17 Febraury,2019.
- **Dr Manjaree Pandit** given a Expert talk on "Differential Evolution & its Variants" at MITS, Gwalior from 13-17 Febraury,2019.
- **Dr Hari Mohan Dubey** given a Expert talk on "Gravitational Search Algorithm & its hybridization" at MITS, Gwalior from 13-17 Febraury,2019.
- **Prof Praveen Bansal** given a Expert talk on "Artificial Immune System(AIS)" at MITS, Gwalior from 13-17 Febraury,2019.
- **Prof Vishal Chaudhary** given a Expert talk on "Artificial Bee Colony(ABC)" at MITS, Gwalior from 13-17 Febraury,2019.

PUBLICATIONS

- **Anand Singh Tomar, Hari Mohan Dubey, Manjaree Pandit** "Spider Monkey Optimization for Economic Dispatch with Diverse Cost Function" IEEE Conference Page no 349-354, January 2019.
- **Shilpi Singh, Dr Bharat Mishra, Dr A K Wadhvani** "Surface EMG Signal Characterisation & its classification for neurological disorder using soft-computing Techniques" National Conference on Advance Trends and Techniques in Wireless Communication and Soft Computing, MPCT Gwalior, 2nd-3rd February 2019 .
- **Surbhi Pandey, Vishal Chaudhary** "Non Convex Economic Dispatch by Grasshopper Optimization Algorithm" ICEECS CONFERENCE, March 2019.
- **Ram Kishan Mahate, Himmat Singh** "Multi-Objective Optimal Reactive Power Dispatch Using Differential Evolution" International Journal of Engineering Technologies and Management Research, Vol.6 (Iss.2), February 2019.
- **Shalini Sahay, Dr. A. K. Wadhvani, Dr. Sulochana Wadhvani and Dr. Sarita S. Bhadauria** "Poincare Plot for HRV based on Time Domain Parameter" International Conference in Nanomaterials and Devices for Energy and Environment (ICAN-2019), January 2019.
- **N. Paliwal, L. Srivastava and M. Pandit** "Jaya Algorithm based Optimal Design of LQR Controller for Load Frequency Control of Single Area Power System" Springer International Conference on Social Networking & Computer Intelligence (SCI-2k19), RGPV Bhopal, 08-09 March, 2019.
- **Richa Sharma, Laxmi Srivastava**, "Comparison of ANN classifiers used for Power Quality Disturbance Prediction" IEEE National Conference on Advance Trends and Techniques in Wireless Communication and Soft Computing, 2nd -3rd Feb, 2019.
- **Rinisha Bagaria, Dr. A. K. Wadhvani, Dr. S. Wadhvani** "Automatic Location of Fracture Region in a Bone X-ray using MATLAB" National Conference, MPCT Gwalior sponsored by IEEE, 2nd -3rd Feb, 2019.
- **Monika Saraswat, Dr. A. K. Wadhvani, Dr. S. Wadhvani** "Classification of ECG Signal using Power Spectrum Density for Diabetic Patients" National Conference, MPCT Gwalior sponsored by IEEE, 2nd -3rd Feb, 2019.
- **S K Rajput, P. Godhar, V. Sharma** "Compressed Air Monitoring System for Textile Industry" Internal Journal of Engineering Research & Technology (IJERT), March, 2019.

CITATION INDEX OF FACULTY MEMBER

S.No	Faculty Name	Total citations of Google scholar Indexed Journals	Total Citations of web of science Indexed Journals	Total Citations of Scopus Indexed Journal papers
1	DR. LAXMI SRIVASTAVA	905	554	554
2	DR. MANJAREE PANDIT	1031	642	642
3	DR. A. K. WADHWANI	204	94	94
4	DR. SULOCHANA WADHWANI	147	29	29
5	DR. HARIMOHAN DUBEY	428	205	205
6	DR. SHISHIR DIXIT	104	28	28
7	PROF. RAKESH NARVEY	65	0	0
8	PROF. HIMMAT SINGH	94	47	47
9	PROF. KULDEEP KUMAR SWARNKAR	65	0	0
10	PROF. PRAVEEN BANSAL	14	0	0
11	PROF. VISHAL CHAUDHARY	24	23	23
12	PROF. VIKRAM	1	1	1
13	PROF. RAHUL SAGWAL	2	0	0
14	PROF. BHAVNA RATHORE	10	6	6

OTHER ACADEMIC ACTIVITIES

- **Prof. Vishal Chaudhary** organized Motivational session by Mr. Nilesh kumar, (IIM Shilong) on 16th January 2019 as Faculty Advisor ISTE Student Chapter MITS.
- **Prof. Vishal Chaudhary** organized the zonal round of Central India's Largest Quiz Fest, ChimeraX; under the flagship of ISTE MANIT Bhopal as Faculty Advisor ISTE Student Chapter MITS on 02nd February, 2019.
- **Prof. Vishal Chaudhary** Participation in Drug Free India campaign via live Webcast on 18th February 2019 under Holistic Health Club, MITS Gwalior.