

# E- Newsletter

DEPARTMENT OF ELECTRICAL ENGINEERING

JULY-SEP 2019

Volume 3, NO3

VISIT US: <http://mitsgwalior.in/department.php?id=ee#NL>

## Vision

*" To Prepare Professionally  
Competent Electrical Engineers for  
Global Industrial requirements and  
societal needs"*



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## 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

## 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*

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## FACULTY OUTREACHED

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- **Dr. Laxmi Srivastava** attended as Faculty representative to Board of Governors, MITS, Gwalior for a period of two years with effect from 1<sup>st</sup> July 2019 to 03<sup>rd</sup> October 2019
- **Dr. Manjaree Pandit** achieved Top Peer reviewer award by Publons (Clarivate Analytics) for being in top 1% of reviewers in Engineering during 2018-19
- **Prof. Kuldeep Swarnakar** attended Ph.D Course Work in DTU New Delhi July 2019 onwards.
- **Prof. Vishal Chaudhary** Organized "Yoga Session" for the first year students during induction program 2019. From 25<sup>th</sup> August 2019
- **Prof. Vishal Chaudhary** Organized "Art of Living –SELP" (Student Excellence and Learning Program) under TEQIP-III from 26<sup>th</sup> to 31<sup>st</sup> August 2019
- **Prof. Vishal Chaudhary** organized ISTE Students' Chapter organized 3<sup>rd</sup> technical conclave TECH CELESTA 2K19 from 21<sup>st</sup> to 28<sup>th</sup> September 2019 in Madhav Institute of Technology & Science as Faculty Advisor





- **Dr. Manjaree Pandit** attended Outcome Based Education (OBE) & Accreditation process at MITS Gwalior on 19<sup>th</sup> July 2019
- **Dr. Manjaree Pandit** attended NBA Orientation Workshop on Outcome Based Education and Accreditation at Indian Habitat Centre, New Delhi on 31<sup>st</sup> August 2019
- **Dr. Manjaree Pandit** attended A half-day workshop for creating awareness about gender equity, gender crimes & gender laws organized by Ms. Anmol Kohli as an initiative of Vivel "Ab Samjhauta Nahi" at MITS Gwalior on 12<sup>th</sup> September 2019
- **Dr. Manjaree Pandit** attended A half-day workshop on NPTEL awareness by Dr Anjana Sengupta & Dr. Shreya Deep at MITS Gwalior on 12<sup>th</sup> September 2019
- **Dr. Sulochana Wadhvani** attended Outcome Based Education (OBE) & Accreditation process at MITS Gwalior on 19<sup>th</sup> July 2019
- **Dr. Sulochana Wadhvani** attended Bloom's Taxonomy for Assessment Design at MITS Gwalior from 13<sup>th</sup> -14<sup>th</sup> Aug
- **Dr. Sulochana Wadhvani** attended A half-day workshop on NPTEL awareness by Dr Anjana Sengupta & Dr. Shreya Deep at MITS Gwalior on 12<sup>th</sup> September 2019
- **Prof. Ashish Patra** attended Bloom's Taxonomy for Assessment Design at MITS Gwalior from 13<sup>th</sup> -14<sup>th</sup> Aug
- **Prof. Ashish Patra** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019
- **Prof. Rakesh Narvey** attended Bloom's Taxonomy for Assessment Design at MITS Gwalior from 13<sup>th</sup> -14<sup>th</sup> Aug
- **Prof. Rakesh Narvey** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019
- **Dr. Himmat Singh** attended Bloom's Taxonomy for Assessment Design at MITS Gwalior from 13<sup>th</sup> -14<sup>th</sup> Aug
- **Dr. Himmat Singh** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019



Some Glimse from the Program



- **Prof. Pravin Bansal** attended Outcome Based Education (OBE) & Accreditation process at MITS Gwalior on 19<sup>th</sup> July 2019
- **Prof. Pravin Bansal** attended A half-day workshop on NPTEL awareness by Dr Anjana Sengupta & Dr. Shreya Deep at MITS Gwalior on 12<sup>th</sup> September 2019
- **Prof. Pravin Bansal** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019
- **Prof. Vishal Chaudhary** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019
- **Prof. Vishal Chaudhary** attended A half-day workshop on NPTEL awareness by Dr Anjana Sengupta & Dr. Shreya Deep at MITS Gwalior on 12<sup>th</sup> September 2019
- **Prof. Vishal Chaudhary** attended NBA Accreditations: SAR Filling & Outcome Based Education (OBE) at MITS Gwalior on 19<sup>th</sup> July 2019
- **Prof. Vishal Chaudhary** attended Summer Faculty Research Fellow Programme-2019 (SFRF-2019) at IIT Delhi from 03<sup>rd</sup> June 2019 to 12<sup>th</sup> July 2019
- **Prof. Punjan Dohare** attended Outcome Based Education (OBE) & Accreditation process at MITS Gwalior on 19<sup>th</sup> July 2019
- **Prof. Punjan Dohare** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019
- **Prof. Saurabh Kumar Rajput** attended Outcome Based Education (OBE) & Accreditation process at MITS Gwalior on 19<sup>th</sup> July 2019
- **Prof. Saurabh Kumar Rajput** attended Bloom's Taxonomy for Assessment Design at MITS Gwalior from 13<sup>th</sup> -14<sup>th</sup> Aug
- **Prof. Saurabh Kumar Rajput** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019
- **Prof. Saurabh Kumar Rajput** attended A half-day workshop on NPTEL awareness by Dr Anjana Sengupta & Dr. Shreya Deep at MITS Gwalior on 12<sup>th</sup> September 2019
- **Prof. Vikram** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019
- **Prof. G K Naveen Kumar** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019



Some Glimse from the Program



- **Prof. Nipun Gupta** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019
- **Prof. Shailendra Pratap Singh** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019
- **Prof. Bhavna Rathore** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019
- **Prof. Bhavna Rathore** attended Bloom's Taxonomy for Assessment Design at MITS Gwalior from 13<sup>th</sup> -14<sup>th</sup> Aug
- **Prof. Bhavna Rathore** attended Outcome Based Education (OBE) & Accreditation process at MITS Gwalior on 19<sup>th</sup> July 2019
- **Prof. Aprajita Kumari** attended Bloom's Taxonomy for Assessment Design at MITS Gwalior from 13<sup>th</sup> -14<sup>th</sup> Aug
- **Prof. Shweta Kumari** attended Bloom's Taxonomy for Assessment Design at MITS Gwalior from 13<sup>th</sup> -14<sup>th</sup> Aug
- **Prof. Tarun Srivastava** attended Bloom's Taxonomy for Assessment Design at MITS Gwalior from 13<sup>th</sup> -14<sup>th</sup> Aug
- **Prof. Tarun Srivastava** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019
- **Prof. Manjoj Kumar** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019
- **Prof. Manjoj Kumar** attended Bloom's Taxonomy for Assessment Design at MITS Gwalior from 13<sup>th</sup> -14<sup>th</sup> Aug
- **Prof. Manjoj Kumar** attended Outcome Based Education (OBE) & Accreditation process at MITS Gwalior on 19<sup>th</sup> July 2019
- **Prof. Sanjay Kulshreshtha** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019
- **Prof. Avinash Sharma** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019
- **Dr. Vijay Bhuria** attended Bloom's Taxonomy for Assessment Design at MITS Gwalior from 13<sup>th</sup> -14<sup>th</sup> Aug
- **Dr. Vijay Bhuria** attended Building Envelope Design for Energy Optimization at MITS Gwalior on 7<sup>th</sup> September 2019

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## *STUDENTS PARTICIPATION IN TECHNICAL EVENTS OUTSIDE THE COLLEGE*

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***Industry Collaborative Projects (ICPs)*** for B.E. Final year students of Electrical Engineering department (Session 2019-20) are planned in collaboration with electrical engineering division of M/S. Northern India Textile Research Association (NITRA), Ghaziabad. For discussion and training of the students, an industry visit was scheduled for the students on 14 & 15 July, 2019.

***Purpose of visit:*** Discussion & Training for Industry Collaborative Projects (ICPs).

***Dates of Visit:*** 14 & 15 July, 2019.



Day 1: Introductory Class



Day 1: Visit to Panel Room



Day 2: Visit to 100 kWp Grid Connected Solar Plant



Day 2 of Visit: Validictory Session

## *INVOLVEMENT OF FACULTY AS RESOURCE PERSON*



- **Dr. Manjaree Pandit** delivered expert lecture on “Quality Improvement Through Skill Based Learning” in Faculty Development Programme on “Role of entrepreneurship in establishing new start-ups”, sponsored by NSTEDB, DST, GoI and organized by the Entrepreneurship Development Cell of MITS Gwalior on 24<sup>th</sup> August 2019



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## PUBLICATIONS

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- *Aayush Shrivastava, Devender Kumar Saini, **Manjaree Pandit**, "Relay Co-ordination optimization for integrated Solar photovoltaic power distribution Grid" Journal of Cogent Engineering, Issue April 2019*
- *Nikhil Paliwal, Laxmi Srivastava, **Manjaree Pandit**, "PSO Based PID Controller Designing for LFC of Single Area Electrical Power Network" AICTE Sponsored International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET-2019), Accepted*
- ***Himmat Singh, Laxmi Srivastava.**" NSGA-II based Reactive Power Management in Radial Distribution System Integrated with DGs" AICTE Sponsored International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET-2019), Accepted*
- *Bhavna Rathore, **Laxmi Srivastava**, Nipun Gupta, Shailendra Pratap Singh, Rahul Sagwal." A Comprehensive Study on AC Microgrid Control Strategies at Primary Control Level" AICTE Sponsored International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET-2019), Accepted*
- *Poonam Singh, **Manjaree Pandit and Laxmi Srivastava.**" Optimization of Levelized Cost of Energy for Hybrid Renewable Energy System" AICTE Sponsored International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET-2019), Accepted*
- *Ramdev Rawat, **Vishal Chaudhary, Hari Mohan Dubey, Manjaree Pandit.**"Performance Evaluation of 30.5 kWp Grid-Tie Solar System using PVsyst" AICTE Sponsored International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET-2019), Accepted*