

E- Newsletter

DEPARTMENT OF ELECTRICAL ENGINEERING

APRIL-JUNE 2021 | Volume 6, NO 2

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Vision

“To Prepare Professionally

Competent Electrical Engineers for

Global Industrial requirements and

societal needs”



CONTENT

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

FDP/STC/WORKSHOP ATTENDED

- **DR. MANJAREE PANDIT** attended "National Workshop on NAAC Accreditation" on June 03 & 04, 2021 at Engineering Staff College of India (ESCI), Hyderabad
- **DR. MANJAREE PANDIT** attended Two-day National Workshop for Higher Educational Institutions on "Transformation through NAAC Accreditation Process" on 21st and 22nd June, 2021, organized by Collegiate Education and Technical Education Department, Government of Telangana & Institute of Academic Excellence, Hyderabad in Online Mode
- **Dr.Shishir Dixit, Prof. SHAILENDRA PRATAP SINGH** attended workshop on Hands on training on Tinkercad with IoT control conducted by MITS Gwalior from 25th June to 27th June 2021.
- **Dr.Shishir Dixit, Prof. SHAILENDRA PRATAP SINGH,Dr.Vikram** attended Workshop on virtual labs on 15th may 2021
- **Dr. Vijay Bhuria** attended workshop on "Developing Academic Leaders for Quality HEI's" from 5th June to 9th June 2021

FACULTY AS RESOURCE PERSON

- **Dr. Manjaree Pandit** has delivered Expert Talk on the topic “Learner centric digital teaching-lear evaluation” on 12th April 2021 in AICTE-ISTE Refresher Program on “Learner Oriented Teaching (Phase-II) conducted by IPS College of Technology and Management, Gwalior during April 07-13
- **Dr. Manjaree Pandit** has delivered Keynote address in IETE Zonal Seminar & ISF Congress in mode on “Next Generation Communication Systems”, on 17 May, 2021.
- **Dr. Manjaree Pandit** was an Invited member in AICTE working group for considering student 10+2 with Agriculture/Biology/life Science subject for admission in B.E. / B.Tech. Program in Eng and Technology, 30th April –June 2021.
- **Dr. Shishir Dixit** has contributed as the technical program committee (TPC) for CSNT 2021 International Conference on Communication Systems and Network Technologies 2021)
- **Prof. Saurabh Kr Rajput** has delivered Online **Expert Lecture** on "Impact of Ambient Temperature on PV Cell Performance Characteristics" organized by Department of Electrical Engineering in Collaboration with IEEE Student Branch & Chapters of REC, Ambedkar Nagar on June 19, 2021
- **Prof. Saurabh Kr Rajput** was an invited **TPC Member** in 2nd Electric Power and Renewable Energy Conference (EPREC-2021) organized by Department of Electrical Engineering, National Institute of Technology (NIT) Jamshedpur during 28-30 May 2021.

PUBLICATION

- 1.** Agrawal A., Malviya R., Pandey S.N., Srivastava L. (2021) Economic Benefits of Implementing Demand Response in Congested Network of Deregulated Power Market. In: Agrawal R., Kishore Singh C., Goyal A. (eds) Advances in Smart Communication and Imaging Systems. Lecture Notes in Electrical Engineering, vol 721. Springer, Singapore. https://doi.org/10.1007/978-981-15-9938-5_38 **Published Online: 14 April 2021**
- 2.** Agrawal A., Pandey S.N., Srivastava L. (2021) Demand Response-Based Congestion Management Considering Wind Energy Source in Competitive Power Market. In: Agrawal R., Kishore Singh C., Goyal A. (eds) Advances in Smart Communication and Imaging Systems. Lecture Notes in Electrical Engineering, vol 721. Springer, Singapore. https://doi.org/10.1007/978-981-15-9938-5_19 **Published Online: 14 April 2021**
- 3.** Paliwal, N, Srivastava, L, Pandit, M. Equilibrium optimizer tuned novel FOPID-DN controller for automatic voltage regulator system. Int Trans Electr Energ Syst. 2021;e12930. <https://doi.org/10.1002/2050-7038.12930> **Published Online: 06 May 2021**
- 4.** Saket Gupta, Narendra Kumar & Laxmi Srivastava (2021) An efficient Jaya algorithm with Powell's Pattern Search for optimal power flow incorporating distributed generation, Energy Sources, Part B: Economics, Planning, and Policy, DOI: 10.1080/15567249.2021.1942595 **Published Online: 29 Jun 2021**
- 5.** Sharma, S., Biswas, A., Kaushik, B.K., & Sachan, V. (Eds.). (2021). Recent Trends in Communication and Electronics: Proceedings of the International Conference on Recent Trends in Communication and Electronics (ICCE-2020), Ghaziabad, India, 28-29 November, 2020 (1st ed.). CRC Press. <https://doi.org/10.1201/9781003193838> **Book Chapter Published Online: 30 June 2021**
- 6.** Deo A., **Rajput S.K.** (2021) Improving Energy Efficiency and Reducing CO2 Emission of Institutional Building: An Energy Audit Case Study. In: Vadhera S., Umre B.S., Kalam A. (eds) Latest Trends in Renewable Energy Technologies. Lecture Notes in Electrical Engineering, vol 760. Springer, Singapore.
- 7.** Abhijeet Singh Patel, **Shishir Dixit**, " Optimal Power Flow Simulation using LP Method " has been presented in 10th IEEE International Conference on Communication Systems and Network Technologies on 19.06.2021 held in the Oriental Institute of Science and Technology(OIST), Bhopal
- 8.** **Himmat Singh**, Laxmi Srivastava "Minimization Real Power Losses of Transmission Lines and Improvement Voltage Stability in Power System Using Recurring MODE Algorithm" Journal of The Institution of Engineers (India): Series B. <https://www.editorialmanager.com/ieib/default.aspx>

STUDENT CLUB ACTIVITIES ORGANIZED

Holistic health Club organise live interaction session and webinar on Indian youth ideologies with the speaker Miss Aadya Dixit on 25.04.2021

STUDENT CHAPTER ACTIVITIES ORGANIZED

ISTE Student chapter MITS organise Flutter workshop, Machine Learning workshop & Tinkercad workshop during 17 & 18 april 2021

Activities organized (workshop/conference/fdp/stc) at institute level

1. Electrical Engineering Department Organize Two-day Workshop on Create, Collaborate & Work Dynamically Online in Google Apps on 19 & 20 June 2021
2. Electrical Engineering Department Organize Two-day Workshop Virtual Hands-on training on Tinkercad with IoT control during 25-27 June 2021