

E- Newsletter

DEPARTMENT OF ELECTRICAL ENGINEERING

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Vision

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



CONTENT

01. FACULTY OUTREACHED

02. STUDENT ACTIVITIES

03. ACADEMIC ACTIVITIES

04. PUBLICATIONS

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

FACULTY OUTREACHED

CITY BRIEF

एमआईटीएस के स्टूडेंट्स चैप्टर को मिला सम्मान



कार्यक्रम में एमआईटीएस कॉलेज की टीम पुरस्कार लेते हुए।

सिटी रिपोर्टर | भुवनेश्वर में आयोजित 49वें आईएसटीई नेशनल एनुअल फैकल्टी कंफ्रेंस में माधव प्रौद्योगिकी एवं विज्ञान संस्थान (एमआईटीएस) के स्टूडेंट्स चैप्टर को सम्मानित किया गया। इस अवसर पर सोमाहटी की अध्यक्ष डॉ. मंजरी पंडित, डीन एकेडमिक विशाल चौधरी आदि उपस्थित रहे।

- **Prof. Vishal Chaudhary** attended the 49th ISTE Chapter national annual faculty convention at from 29TH TO 30TH NOV, 2019.
- **Prof. Punjan Dohare** participated in poster presentation at IGCM conference at IISC Bangalore from 2nd-4th dec 2019.
- **Prof. Saurabh Kumar Rajput** attended expert talk on "Design and modelling of electrical components for domestic and industrial application" at shri Vishwakarma skill university, Gurugram, Haryana on 9th dec 2019.
- **Prof. Rahul Sagwal** attended expert talk on "Design and modelling of electrical components for domestic and industrial application" at Shri Vishwakarma skill university, Gurugram, Haryana on 9th Dec 2019.

दास्तां बताई। मायके वालों ने इस मामले में पलवल महिला थाना में मुकदमा दर्ज कराया जिसकी जांच संजय ने अपने परिवार वालों के साथ मिलकर उसकी 22 वर्षीय युवती का गुरुवार की प्रातः 8 बजे गांव से है। उन्होंने संभावना व्यक्त की है कि पुलिस शीघ्र ही अपहृत युवती को बरामद कर लेगी।

टो जटिल समस्याओं के समाधान के लिए कौशल विकसित करें युवा



सुरेशचंद्र गुप्ता / अधिकार संवाददाता

पलवल, 14 दिसम्बर। श्री विश्वकर्मा कौशल विश्वविद्यालय के कुलपति राज नेहरू ने युवा वर्ग को

के लिए डिजाइन एंड मॉडलिंग ऑफ इलेक्ट्रिकल कॉम्पोनेंट फॉर डोमेस्टिक एंड इंडस्ट्रियल एप्लीकेशन विषय पर किया गया।

कार्यशाला के दौरान विद्यार्थी इलेक्ट्रिकल इंजीनियरिंग से संबंधित चुनौतियों का सामना करने का कौशल हासिल करेंगे एवं विद्यार्थियों को





FACULTY OUTREACHED

- **Prof. Bhavna Rathore** presented a paper at AICTE sponsored ICSISCET at MITS Gwalior from 2nd to 3rd Nov 2019.
- **Prof. Punjan Dohare** presented a paper at ICSISCET at MITS Gwalior from 2nd to 3rd Nov 2019
- **Prof. Vikram** presented a paper at AICTE sponsored ICSISCET at MITS Gwalior from 2nd to 3rd Nov 2019
- **Nipun Gupta** attended expert talk on "Design and modelling of electrical components for domestic and industrial application" at shri Vishwakarma skill university, Gurugram, Haryana on 9th dec 2019.



- **Debate Activity on E-Vehicles-An Alternate Urban Commuting** A debate activity on the topic of "E-Vehicles-An Alternate Urban Commuting" was organized by the department on 5th Oct 2019(10.30 am-12.00 pm). Prof. G K Naveen Kumar and Prof. Himmat Singh were the faculty coordinators for the activity. No. of participants were 12 and the Judges for the Debate Activity were Prof. K.K YADAV, Assistant Professor, Mechanical Engineering Department, MITS Gwalior. Sanidhya Chaturvedi (2nd year ,EE) & Utkarsh Mishra (2nd year, EE) won this debate.



- **Seminar cum Poster Presentation on "Operation & Management of Renewable Energy Sources"** A seminar cum poster presentation on "Operation & Management of Renewable Energy Sources" was organized by the department on 5th Oct 2019 (2.00pm-5.00pm). Prof. Praveen Bansal and Prof. Vishal Chaudhary were the faculty coordinators for the activity. Expert for the Seminar were **Er. Nikhil Kaushik**, A faculty in Petroleum Conservation and Research Association (PCRA), Bhopal, Prof. C. S. Malvi, Professor & Head Incharge, Chemical Engineering Dept. 16 students participated in this event.





A seminar cum poster presentation on "Operation & Management of Renewable Energy Sources"



A seminar cum poster presentation on "Operation & Management of Renewable Energy Sources"

PUBLICATIONS

- *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), November 02-03, 2019.*
- ***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), November 02-03, 2019.*
- ***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), November 02-03, 2019.*
- *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), November 02-03, 2019.*
- *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), November 02-03, 2019.*
- *Kavita Sharma, **Hari Mohan Dubey, Manjaree Pandit** "Teaching Learning Based Optimization for Static and Dynamic Load Dispatch" AICTE Sponsored International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET-2019), November 02-03, 2019.*

PUBLICATIONS

- *Salil Madhav Dubey, Hari Mohan Dubey, Manjaree Pandit* "Combined Economic Emission Dispatch of Hybrid Thermal-PV System Using Artificial Bee Colony Optimization" AICTE Sponsored International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET-2019), November 02-03, 2019
- *Monika Agrawal, Vijay Bhuria, Shishir Dixit* "T-Type Multilevel Inverter Topology with Reduced Switch Count Using Different PWM Techniques" AICTE Sponsored International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET-2019), November 02-03, 2019.
- *Salil Madhav Dubey, Hari Mohan Dubey, Manjaree Pandit* "Dynamic Scheduling of Energy Resources in Microgrid using Grey Wolf Optimization" AICTE Sponsored International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET-2019), November 02-03, 2019.
- *Sunita Shukla, Manjaree Pandit* "Mixed integer differential evolution algorithm for optimal static/dynamic scheduling of a microgrid with mixed generation" AICTE Sponsored International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET-2019), November 02-03, 2019.
- *Khushboo Sharma, Hari Mohan Dubey, Manjaree Pandit* "Short-term Hydrothermal Scheduling Using Bio- Inspired Computing: A Review" AICTE Sponsored International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET-2019), November 02-03, 2019.
- *Punjan Dohare and Amol P. Bhondekar* "Laminar airflow computational modelling in the human nasal cavity" AICTE Sponsored International conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET 2019), November 02-03, 2019.

PUBLICATIONS

- **Vikram Saini**, L. Dewan "Wiener System Identification using Iterative Instrumental Variable method" AICTE Sponsored International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET-2019), November 02-03, 2019.
- **Aprajita Kumari**, J. Patra, N. Pal, N. Kumar "Impact of Solar Panel on Transformer Performance: A Case Study" Iranian Journal of Science & Technology, Transaction of Electrical Engineering.
- **Punjan Dohare** and Amol P. Bhondekar "Computational fluid dynamic approach to design the bio-inspired sensor chamber for volatile detection of electronic nose applications" Indo-German conference on Computational Mathematics (IGCM), IISc, Bangalore, December 02-04, 2019.
- Monika Agrawal, **Vijay Bhuria**, **Shishir Dixit** "T-Type Multilevel Inverter Topology with Reduced Switch Count Using Different PWM Techniques" AICTE Sponsored International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET-2019) , November 02-03, 2019.