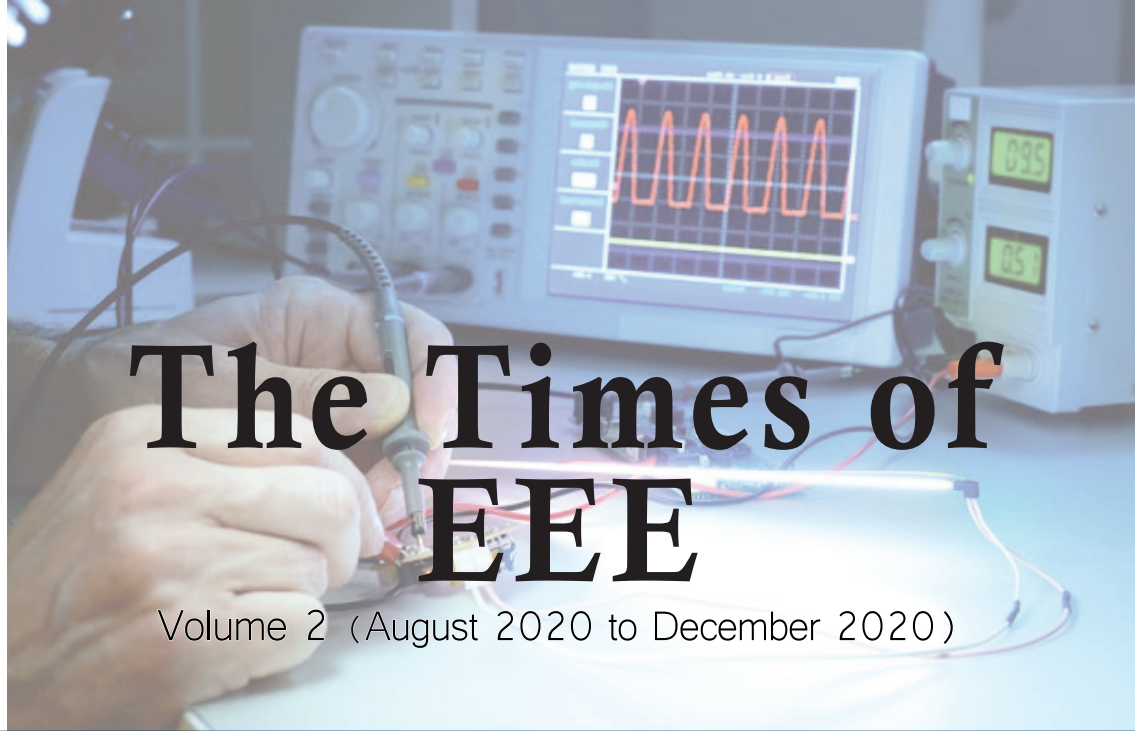




**MAIT**

उद्यमेन हि सिध्यन्ति  
कार्याणि न मनोरथैः

The official newsletter of  
Department of Electrical and  
Electronics Engineering  
Maharaja Agrasen Institute of  
Technology



# The Times of EEE

Volume 2 (August 2020 to December 2020)

## VISION

To produce technically competent human resource for electrical and electronics industry with high moral and ethical values.

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*Volume 2  
(August to December 2020)*

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EEE department always enjoyed the immense pleasure to find alumni of this department, getting placed in government jobs and almost all private and multinational companies. The follow-up of the university curriculum, blending core electrical subjects like machines, control and power systems with those of electronics based communication, VLSI design and microcontrollers have helped enriching the broad knowledge based with cutting edge technology to foster self development and confidence to do good & prove one's own worth. The inherent skills of our students are being well nurtured by highly qualified faculty and hard working staff in achieving goals & objectives of the Department. We support the endeavour and wish them success to rise to the pinnacle of glory.

## Editorial Team

Chief-Editor:	Editor:
Dr. Rajveer Mittal	Ms. Poonam Juneja
Student coordinators:	
Anant Kumar	Devansh Jain
Radhika Srivastav	Taneeshka Srivastava

# STUDENT UPDATES

## Placement Details for 2016-20 Batch

**1** student placed in  
Cognizant

**20** students placed in  
Accenture

**21** students placed in  
Infosys

**8** students placed in  
Extramarks

**2** students placed in  
Byju's

**4** students placed in  
Tata Power

# Research Publications by Faculty

<u>FACULTY</u>	<u>TITLE OF THE RESEARCH PAPER</u>	<u>DETAILS OF THE PUBLICATION</u>	<u>MONTH AND YEAR OF PUBLICATION</u>	<u>DOI/ISSN/ISBN</u>
DR MONIKA GUPTA	VOLTAGE REGULATION USING PROBABILISTIC AND FUZZY CONTROLLED DYNAMIC VOLTAGE RESTORER FOR OIL AND GAS INDUSTRY	INTERNATIONAL JOURNAL OF UNCERTAINTY FUZZINESS AND KNOWLEDGE-BASED SYSTEMS 28(SUPP02), PP.49-64	SEP 2020	10.1142/S02184885204001539
DR NEELU NAGPAL AND MR RAVI SHARMA	EMERGING ELECTRIFIED TRANSPORTATION IN INDIA- CHALLENGES AND PROPOSED SOLUTIONS.	INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS, DRIVES AND AUTOMATIONS, SPRINGER. (ONLINE)	30TH-31ST, DECEMBER, 2020	<a href="https://actssoft.org/esda2020/">HTTPS://ACTSOFT.ORG/ESDA2020/</a>
PROF SATVIR DESWAL	SCHOTTKY BARRIER DOUBLE SURROUNDING GATE MOSFET FOR HIGH-FREQUENCY IMPLEMENTATION	IEEE INTERNATIONAL CONFERENCE ON RECENT ADVANCES AND INNOVATIONS IN ENGINEERING, JAIPUR, INDIA	1-3 DEC. 2020	10.1109/ICRAIE51050.2020.9358359
DR NEELU NAGPAL AND MR RAVI SHARMA	ANALYSIS OF CASCADE FAILURE AND DG PLACEMENT FOR ITS MITIGATION	INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY 2020, PP. 94-94, HELD ONLINE ON ITALY, ROME	25-27, NOVEMBER 2020	ISSN 2609-374X

DR NEELU NAGPAL	SHORT-TERM ELECTRICITY DEMAND PREDICTION USING MODIFIED HIDDEN MARKOV MODEL	INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY 2020, HELD ONLINE ON ITALY, ROME	25-27, NOVEMBER 2020	ISSN 2609-374X
DR NEELU NAGPAL	APPLICATION OF IOT (INTERNET OF THINGS) AND BIG DATA TECHNOLOGY IN SMART GRID AND RENEWABLE ENERGY INTEGRATION	INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY 2020, HELD ONLINE ON ITALY, ROME	25-27, NOVEMBER 2020	ISSN 2609-374X
MR SUNIL KUMAR PANDEY	GRID TIED PV-BES SYSTEM WITH MULTITASKING VOLTAGE SOURCE CONVERTER	IEEE INTERNATIONAL CONFERENCE ON COMPUTING COMMUNICATION AND AUTOMATION (ICCCA), GREATER NOIDA, INDIA, 2020, PP. 12-17	30-31 OCT. 2020	10.1109/ICCCA49541.2020.9250867
MR SUNIL KUMAR PANDEY	BATTERY SUPPORTED GRID TIED PV SYSTEM WITH CFDBPF BASED CONTROL ALGORITHM	IEEE INTERNATIONAL CONFERENCE ON COMPUTING, POWER AND COMMUNICATION TECHNOLOGIES (GUCON)	2-4 OCT. 2020	10.1109/GUCON48875.2020.9231238
DR NEELU NAGPAL	APPLICATION OF IOT (INTERNET OF THINGS) AND BIG DATA TECHNOLOGY IN SMART GRID AND RENEWABLE ENERGY INTEGRATION	INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY 2020, HELD ONLINE ON ITALY, ROME	25-27, NOVEMBER 2020	ISSN 2609-374X
DR MONIKA GUPTA	VOLTAGE REGULATION USING PROBABILISTIC AND FUZZY CONTROLLED DYNAMIC VOLTAGE RESTORER FOR OIL AND GAS INDUSTRY	INTERNATIONAL JOURNAL OF UNCERTAINTY, FUZZINESS AND KNOWLEDGE-BASED SYSTEMS, VOL. 28, NO. SUPP02, PP. 49-64	SEPTEMBER 2020	10.1142/S0218488520400139

# Factopedia

- » The modern-day applications like GPS which literally show us the right paths of life is based on a physics formula of  $E=mc^2$ . The satellite navigation systems are related to geostationary satellites to pinpoint the locations and data exchange using radio waves. So the theory of relativity helps in proper working of GPS.
- » Blackholes are not black in colour. Stephen Hawking who proposed the existence of Blackhole discovered radiation called “Hawking radiation” which makes the black hole glow and gives off light across the whole spectrum.

# Pun stop

- ❖ Why can't you take electricity to social outings? Because it doesn't know how to conduct itself.
- ❖ The proton and the electron always make the neutron order at the restaurant. There's never any charge.
- ❖ A physics professor always made his class sit on the edge of a cliff while they studied. He said that was where they had most potential.
- ❖ A piece of wood got a job on the train, but got fired the next day. It was a poor conductor.

## Latest Technological Advancements

### Edge computing

Edge computing is a new technology that ensures low latency and high-speed data processing. Edge computing allows computations to be carried out closer to data storage systems, improving application performance.

Cloud platforms' high bandwidth costs can act as a motivator for edge computing adoption.

The technology aims to run fewer processes in the cloud and transfer them to places like the user's computer or an edge server.



## Our beloved faculty of EEE department

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