



GALGOTIAS COLLEGE OF
ENGINEERING AND TECHNOLOGY

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The Newsletter

VOLUME IV
Session 2019-20

ELECTRICAL & ELECTRONICS
DEPARTMENT



MESSAGE FROM THE CHIEF EDITOR

PROF. A.AMBIKAPATHY

With enormous pleasure, I would love to present a denotation that EEE Department is going to unveil it's IV issue of the department newsletter, " Electra ". Since past few years it has been a continuous and massive process to ionize the ponderous efforts where we can make everyone learn and grow with us in the



department. Being the HOD, its an indispensable responsibility to take all those endeavors at its pinnacle and hopefully Electra will be at its epitome. I bestow my heartfelt gratitude to every student and faculty member who made this possible. I wish to get more sharp minds to get connected with us. All the best for future perspectives.

EDITORIAL BOARD



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Shreya Singh

V I S I O N

To be recognized as a premier department in producing quality technocrats, innovators, entrepreneurs and researchers contributing to the society ethically.

M I S S I O N

- DM-1 : To provide quality education by state of art infrastructural facility to explore new ideas and technological challenges.
- DM-2 : To promote research innovation and entrepreneurship through industry-institute collaboration.
- DM-3 : To inculcate social, ethical and moral values among the students leveraging them to be global engineer.

PROGRAM EDUCATIONAL OBJECTIVES OF THE DEPARTMENT

The graduates shall be able to :

- PEO-1 : Excel in their career by gaining knowledge using modern tools and technologies in the area of Electrical & Electronics Engineering.
- PEO-2 : Analyze real life problems and produce solutions through their entrepreneurship and innovative skills.
- PEO-3 : Exhibit ethical attitude, good communication skills and team work in core engineering through professional development and lifelong learning.

PSO OF DEPARTMENT

- PSO-1 : Stimulate and develop the models for controlling and contriving of different electrical circuits and systems.
- PSO-2 : Design and develop electronics and communication circuits to provide solutions for complex engineering problems in the field of Electrical Engineering.



TECHNICAL **EVENTS**

BEST CAREER OPTIONS AND CAREER PLANNING

On 31st of July, 2019 a seminar was conducted by Mr. Anant Kumar Sahu, Director (Centre) Time, Greater Noida. He directed the students to be attentive while choosing career options and be productive while planning for career because that is going to be worthful for their whole life and the students must not regret it further in life. Thus, the students must know every aspects of career while choosing one for them.



AWARENESS ON PATENT FILLING

A lecture was held by Dr. A Ambika Pathy, Professor, HOD of EEE department, Galgotias College of Engineering and Technology, Greater Noida on 8th of August, 2019. She acknowledged the students on the importance of Patent Filing and how to use it for the innovative ideas that has to be entitled for the unique identification.



EMBEDDED SYSTEMS

ZION in collaboration with EESA organised a seminar on Embedded Systems on 21st July, 2019. It was carried by Mr. Akshay Jain, Integration Engineer IOT/ Embedded/ Circuit Design, Apron Solutions Pvt. Ltd. He awared the students on the concept of embedded systems and its real world uses.



CAREER ORIENTED PROGRAMME

On 13th of September, 2019, a seminar was conducted by ZION and EESA collaboratively headed by Mr. Kishore, Ex-IES, The Engineers Academy, Greater Noida. He directed the students on career related decision making and further, the students enthusiastically participated in this programme.



PROCESS BEHIND IMPLEMENTATION OF BIOGAS POWER PLANT

We're well aware that a biogas plant is a decentralized energy system, which can lead to self-sufficiency in heat and power needs, and at the same time reduces environmental pollution. On this an expert lecture was held on 9th of October, 2019 by Mr. Avanish Pati Tripathy and Mr. Prasant Jha, CEO/Co- Founder, LiderORG Gas private Limited & Aps Energy Solutions.



PYTHON TECHNOLOGY

Python has started spreading its root in all technical fields. Every generation must have a profound knowledge of python to be a technical aspirant. Keeping this in mind a workshop was held on 18th of October, 2019 by Mr. Nitin Shrivastava, Trainer, Mapping Skills Pvt. Ltd, Greater Noida who shared knowledge of python and inspired students to not lack from other ones in this field.



ISSUES AND CHALLENGES IN POWER QUALITY

On 19th of October, 2019, Galgotias College of Engineering and Technology welcomed a true legend in the field of Electrical and Electronics engineering known as Prof. Shri Niwas Singh, Chair IEEE-UP Section, Vice Chancellor MMMU, Gorakhpur. He gave wide awareness on issues and challenges we face in power quality in our day to day life. His views not only broaden the horizon of one's thought but also throw a whole new light on the meaning of life.



“INDIAN ELECTRICITY RULE AND CODE OF PRACTICES”

A short-term course was performed through ICT in collaboration with NITTTR, KOLKATA from 16th of December to 20th of December, 2019. From this course the motive was to deliver knowledge of rules for Indian Electricity and code of practices we need to perform regarding this.



ARTIFICIAL INTELLIGENCE

On 29th of January, 2020, ZION organised a seminar on Artificial Intelligence which was successfully conducted by Mr. Aditya Hajela, APTRON Solutions Pvt LTD, Noida. The students actively participated in this seminar to have understanding of Artificial intelligence.



WORKSHOP ON PLC AND SCADA

Programmable logic controllers or PLC computing system used to control electromechanical processes & SCADA stands for Supervisory Control and Data Acquisition. It is a type of industrial control system that is used to monitor and control facilities and infrastructure in industries. For providing this information, a workshop was held on 25th of February, 2020 by Mr. Akash Gaurav, Automation Expert, Sofcon India Pvt. Ltd, Noida.



“GROWTH OF RENEWABLE ENERGY IN INDIA: SOLAR PV TECHNOLOGY”

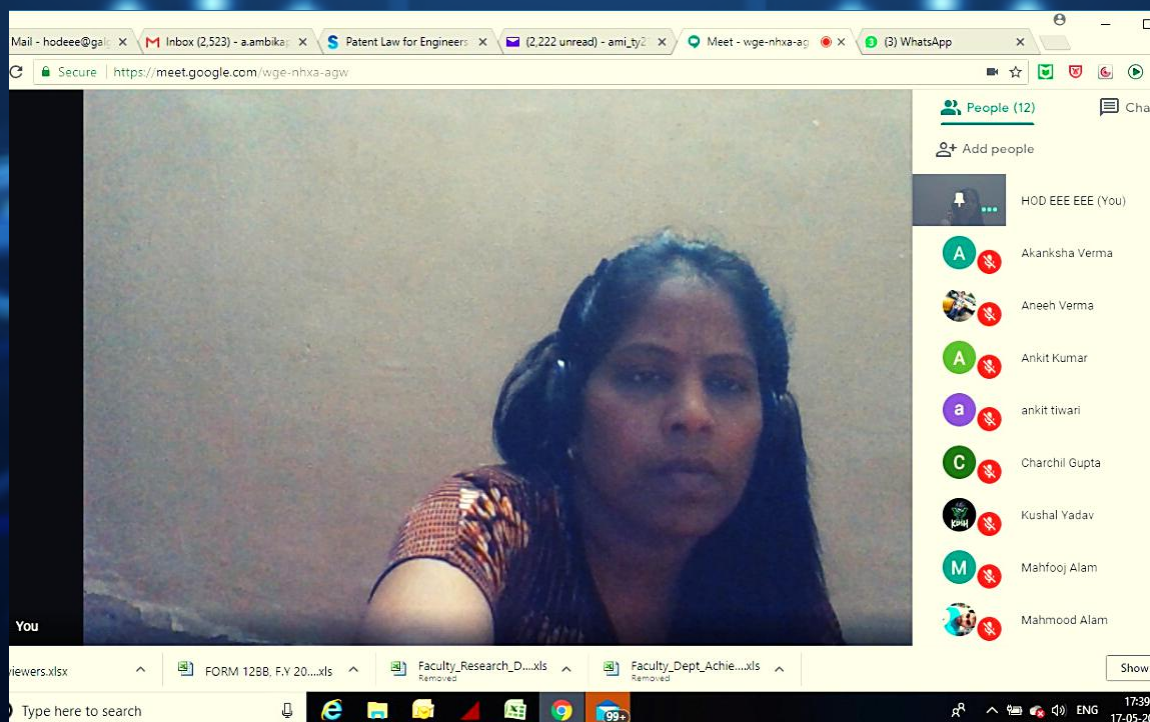
Renewable energy is energy that is collected from renewable resources, which are naturally replenished on a human timescale, such as sunlight, wind, rain, tides, waves, and geothermal heat. We need to work on now renewable energy for sustainable development. Thus, for the growth of renewable energy in India: solar PV technology a webinar was held on 1st of May, 2020 at digital platform by Mr. Aashutosh Sharma, Project Head, Voltrans Energy, Ghaziabad.



CONTRIBUTION IN WRITING RESEARCH PAPER AND FILING PATENT

An online -Lecture was held on "How to make best use of quarantine by contributing in Writing research paper and Filing patent"

It was conducted by Dr. A Ambikapathy , Professor and Head, Department of Electrical and Electronics Engineering Galgotias College of Engineering College and Technology on 4th of May, 2020.



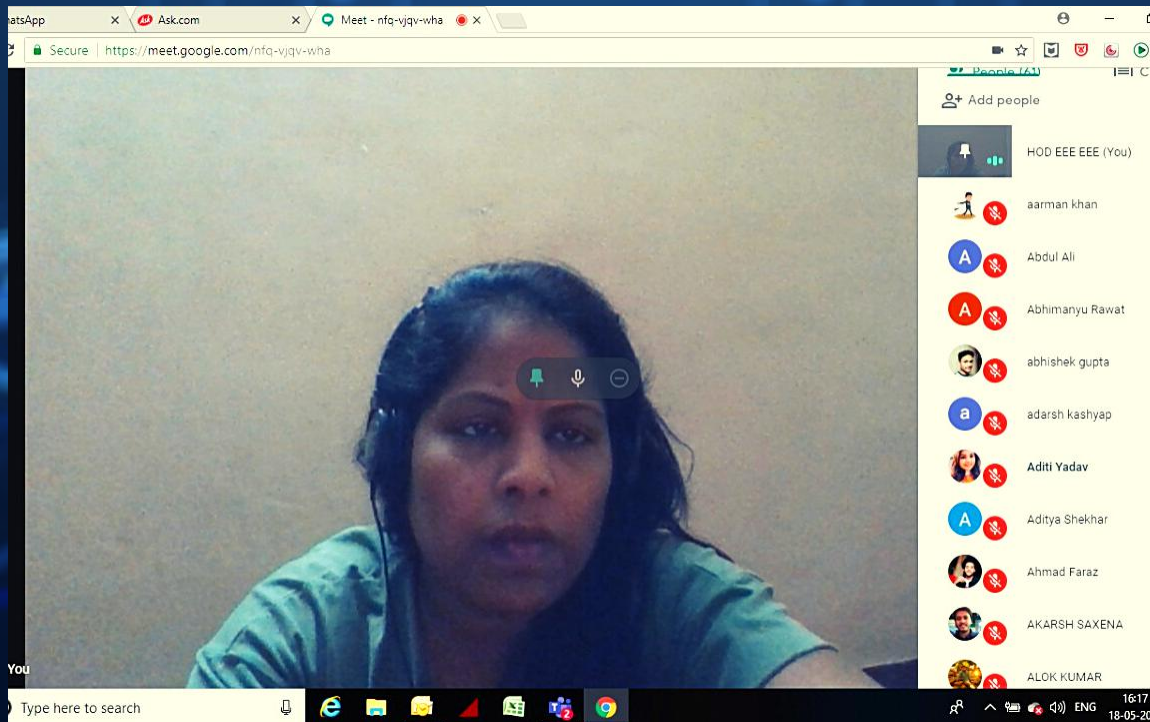
"ELECTRICAL SUBSTATION & ITS MAINTENANCE"

On 8th of May, 2020, a lecture was conducted by Dr. Dharmasa, Professor, National University , Oman to give realization on Electrical substation & its maintenance.



SATELLITE TECHNOLOGY PRINCIPLES & APPLICATION

Mr. S. Purushothaman, Senior Scientist, ISRO, Dept. of Space adviser, IET- satellite Systems and Network joint secretary, Antenna Test Measurement Society guided us on satellite technology principles and its applications. Having such an expert talk was a boon for the students of EEE, on 16th of May, 2020.



ROBOTICS AND INDUSTRIAL AUTOMATION

Today's generation is fond of robotics and industrial automation as it is great in demand in world of now. Therefore, a webinar was conducted on robotics and industrial automation by Mr. Sakyasingha Mahapatra, Founder & CEO at SakRobotix Lab Pvt. Ltd., on 26th June, 2020.

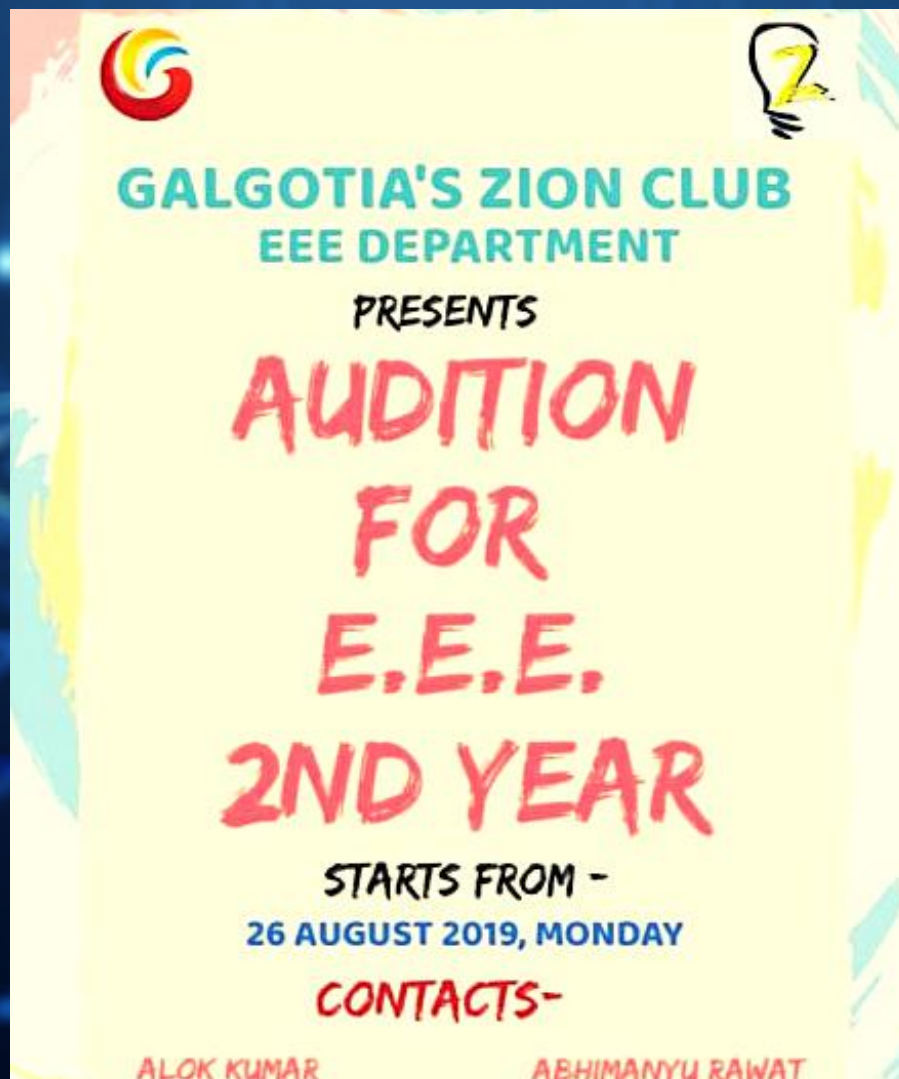


The background of the image shows the silhouettes of several people in a celebratory pose, with their arms raised high. They are set against a vibrant sunset sky that transitions from a deep blue at the top to a bright orange and yellow near the horizon. A semi-transparent dark rectangle is centered over the image, containing the text. The text is framed by a thin white border.

NON- TECHNICAL **EVENTS**

DEPARTMENT FRESHER AUDITIONS

On 26th of August, 2019 auditions for EEE department, Zion club was held, where the newly promoted 2nd year aspirants have to showcase their talent for different cultural, technical and literary club of Zion. The students actively involved in this and proved them to be the best gem of each field.



DAHI HANDI

On 21st of August, 2019, on the sacred occasion of Shree Krishna Janmashtmi, a dahi handi competition was held at the C-block ground where all the students enthusiastically participated in it.



TEACHER'S DAY, 2019

Teachers are the bows from which the students as living arrows are sent forth. We're grateful and lucky to have teachers in our lives for guidance and upliftment and just to show our gratefulness, on 5th of September, 2019, an event was organised where students performed dance and drama, sang songs, and many fun activities were held where our teachers enjoyed a lot.



FUND RAISER


On 14-15th March, 2020, different fun activities were conducted to raise fund for our department club, i.e., Zion club. The message was simple that "All work and no play makes Jack a dull boy". Different students enjoyed these activities and participated in large numbers.



CONTACT US

*FOR ANY EDITORIAL QUERIES OR TO
WORK WITH TEAM OF ELECTRA*


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