NEWSLETTER

VIDHYUT

VOL.: JAN-JUN 2022

GYAN GANGA INSTITUTE OF TECHNOLOGY & SCIENCES

DEPARTMENT OF ELECTRICAL ENGINEERING

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Message from Editor's Desk:

Welcome to this issue of Newsletter from the Department of Electrical Engineering. We are delighted to launch our Bi-Annual Newsletter **"VIDHYUT".** This newsletter is a digital way for us to communicate with our students, faculty members, alumni and industrial partners. This newsletter will provide a glimpse of the departmental activities and achievements. Also, it enlightens the readers about the latest happenings in the department, focusing about different activities like placement, ISA, institutional club activities, student and faculty achievements. We look forward for more activities and achievements for the department to march towards excellence in the future. We would like to thank all teaching, supporting staff and our beloved students for their constant support.

About the Department

Department of Electrical Engineering (EE) is established in the year 2003 with the intake of 60 students to meet the requirements of Electrical Engineers for power sector, power sector industries, productions industries (PSU/Private) and R & D activities of Electrical Engineering after the consultation with stakeholders of the institute. Excellent infrastructure and lab equipment are provided for the students, so that our students come out with knowledge of latest cutting edge technology in both software and hardware. The Electrical engineering department has been accredited with excellence by National Board of Accreditation (NBA), New Delhi till 30th June, 2021.

Vision of the Department

➢ To produce Electrical Engineering graduates with sound technical knowledge and with ethical values who could excel in Electrical Systems.

➢ To apprise students of state of art technology and industrial engineering applications.

➢ To make Electrical Department as a centre of excellence.

➢ To encourage industrial activities in department with faculty and student participation.

Vision of the Department

➢ To Impart intensive and innovative teaching and training through latest technology to provide cutting-edge for achieving excellence.

➢ To award practical projects aiming at solutions to practical industrial problems.

➢ To motivate faculty and technical assistants for updating / upgrading knowledge through training, seminars, workshops, conferences and higher studies.

➢ To create accredited / certified center for testing of transformers and other electrical equipment to cater to the needs of power sector / industries.

➢ Impart knowledge / solutions of social challenges, ethics, echo / environment etc. to produce worthy citizens.

PEO's of the Department

PEO 1 - Graduates will enter careers in the MNCs, PSUs, Private sector companies, etc. in the field of design, application, installation, manufacturing, operation & maintenance of electrical systems.

PEO 2 - Graduates will be undertaking higher studies. Graduate will analyze real life problems, will design techno-commercially feasible solutions to social problems.

PEO 3 - Graduates will be entrepreneurs, and will produce intellectual citizen to constitute an elegant society to meet social challenges with ethical & moral values having concern for the echo and environment.

PSO's of the Department

PSO1: Apply principles of engineering, sciences, mathematics and laboratory skills for designing and developing solutions to problems of applications in the field of Electrical power and Energy systems.

PSO2: Engage in independent and life long learning in the technological advancements with the usage of modern design tools to analyze and design variety of complex applications in the field of Electrical Engineering.

PSO3: Communicate effectively with good leadership and managerial skills to work in a team or as team leader for techno commercially viable sustainable development of society, exhibiting core professional ethics.

One week Workshop on **"Programming in C++"** was organized by the Department under professional society IIES for IV Semester Students of the Department from 17-01-2022 to 22-01-2022 through **Online Mode.** Every student of IV semester in the Department has participated and got certificate after completion of the Workshop.

One week Workshop on **"Python Programming "** was organized by the Department under professional society IIES for VI Semester Students of the Department from 27-01-2022 To 03-02-2022 through **Online Mode.** Every student of VI semester in the Department has participated and got certificate after completion of the Workshop.

➢ Department has applied for the **NBA Accreditation** in the month of May 2022.

Two Projects shortlisted for MSME Idea Hackathon 2022 from Electrical Engineering Department.

1. **Ventilated Personal Protective Equipment (VPPE)**
   Team Member: Mohammad Asad Mansoori (VIII Sem)
2. **Smart Helmet**
   Team Members: Akshat Kesharwani (VI Sem)
   Anuj Patel (VI Sem)
   Nikhil Jaiswal (VI Sem)
   Rishita Pawar (VI Sem)

➢ Department has organized a **"Hands on Workshop"** on **"Arduino Programming and IOT Application"** Conducted by **Eagle Foundation** for V Semester Students.

- ➢ A guest lecture was delivered by **Dr. Subhojit Sidhanta** from **IIT, Bhilai.**
  Topic: Leveraging distributed machine learning for IoT Related Problems in Electrical Engineering: A Drone Perspective.
  Date: 24 / 06 /2022
  Venue: Seminar Hall (Room No. 010)

- ➢ **Industrial visit of "220 KV SUBSTATION NAYAGAON, JABALPUR" for 4th Semester students of the Department.**
  Date: 26 / 03 / 2022

Sports Activities on
18th June 2022 "Open Day Celebration"

Photo Session on the Last Day of Batch 2018 – 22
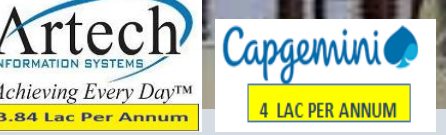
Alumni Meet Batch 2017 – 21

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Nikita Kori	**Infosys** **3.6 LAC PER ANNUM** / **Cognizar** **4 LAC PER ANNUM**	**Training/Certifications Done** Cisco Networking Academy-CCNA, Devnet Associate, Linux, Python, C, C++, Microsoft, IBM, AWS cloud certification, spoken tutorial IIT Bombay **E-mail ID & Contact No.**

		nikitakori2024@gmail.com, 6264908977
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MOHD.ASAD MANSOORI	UpGrad 7.5 LAC PER ANNUM	**Training/Certifications Done** Cisco Networking Academy-CCNA, Devnet Associate, Linux, Python, C, C++, Microsoft, IBM, AWS cloud certification, spoken tutorial IIT Bombay **E-mail ID & Contact No. 9407339292**
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Aditya Sharma	**tcs** TATA CONSULTANCY SERVICES **3.36 LAC PER ANNUM**	**Training/Certifications Done** Python, C, C++, Microsoft, spoken tutorial IIT Bombay, Technical Training by Dept., NPTEL Lecture, MATLAB, SCADA, PLC, MI-Power **E-mail ID & Contact No.** aditya1990.580@rediffmail.com, 7697274193
Anjali Dewangan	**ERICSSON GLOBAL** **4.5 LAC PER ANNUM**	**Training/Certifications Done** Cisco Networking Academy-CCNA, Devnet Associate, Linux, Python, C, C++, Microsoft, IBM, AWS cloud certification, spoken tutorial IIT Bombay **E-mail ID & Contact No.** anjalidewangan2001@gmail.com 6265293547
Dipti Jugal	**Dhoot Transmission Limited**	**Training/Certifications Done** Python, C, C++, Microsoft, spoken tutorial IIT Bombay, Technical Training by Dept., NPTEL Lecture, MATLAB, SCADA, PLC, MI-Power **E-mail ID & Contact No. 7879948863**