

NEWS LETTER

VIDYAMAN 2024-25

DEPARTMENT OF
ELECTRICAL AND ELECTRONICS
ENGINEERING

GLOBAL ACADEMY OF TECHNOLOGY

ABOUT GAT

Global Academy of Technology, established in the year 2001, is one of the most sought-after engineering and management colleges in Bangalore, Karnataka. Located in a sprawling campus of 10-acre land GAT has contemporary multi-media smart classrooms, modern laboratories, seminar halls, auditorium, an up-to-date library with volumes of recommended and reference books along with e-journals and well-equipped computer centre. Students at GAT experience 24 x 7 high speed Wi-Fi facilities and web-based CMS & LMS for video streaming which is an integral part of e-learning. GAT provides ample opportunities for various co-curricular and extra-curricular activities for the students. A large cafeteria and well-maintained hostels for both boys and girls are available. The campus brims with more than 2000 students and 300 experienced staff involved in effective Teaching and Learning Process. Fully established mentoring, peer learning and counselling by proctors ensure holistic development of all students. GAT has academic alliances with various industries and research organizations to provide current industry perspective to the students.

GLOBAL ACADEMY OF TECHNOLOGY

VISION STATEMENT

To be premier institution with excellent learning and teaching environment for imparting quality education to students in engineering and management with futuristic needs of society

MISSION STATEMENTS

M1: To create conducive environment of continuous teaching learning and improvement for students and faculty through the state-of-the-art infrastructure.

M2: To promote research & innovation by collaborating with industries.

M3: To inculcate ethical values and environmental consciousness amongst students through holistic development programmes to serve the society

ABOUT EEE DEPARTMENT

Electrical Engineering is the mother of all electrical sciences. Its sound foundation is the plinth on which new branches have emerged rapidly. This is a compelling and broad field that plays an increasingly important role in making positive contribution to the betterment of society and human condition. The department of Electrical and Electronics Engineering has been effectively functioning since the commencement of the college in 2001. The department strives to be in the forefront in educating the students in the fundamentals as well as emerging technologies. The aim of the department is to prepare students for the continually changing, high-technology world of electrical engineering by providing solid theoretical foundation in science, mathematics, and engineering with substantial hands-on laboratory experience, and a curriculum that challenges students to think and act logically.

GLOBAL ACADEMY OF TECHNOLOGY

DEPARTMENT VISION STATEMENT

To be a foremost education programme in the field of Electrical & Electronics Engineering to train the students to face global challenges and succeed in their future endeavors

DEPARTMENT MISSION STATEMENT

M1: Strengthen learning environment that facilitates quality education in the field of Electrical & Electronics Engineering.

M2: Enhance the Industry Institute interaction continuously to enable faculty and students work on real time engineering problems.

M3: Improve the quality of value-added programmes to enhance the technical and intellectual capabilities of students ensuring their success in competitive examinations for higher studies, employment, and research

GLOBAL ACADEMY OF TECHNOLOGY

PROGRAM EDUCATIONAL OBJECTIVE

PEO1: Engage in the design of systems and applications in the field of Electrical and Electronics Engineering and allied Engineering Industries.

PEO2: Applying the knowledge of Electrical and Electronics Engineering to solve problems of societal relevance.

PEO3: Engage in life-long learning through continued education, professional practices, and technical training and/or higher education and research.

PEO4: Exhibiting enhanced levels of leadership and commitment to professional ethics and social awareness in their professional careers.

PROGRAM SPECIFIC OUTCOMES

PSO1: Design DC machines, transformers, and dynamic AC machines for given specifications.

PSO2: Understand generation, transmission, distribution, and utilization of electric power.

PSO3: Design analog and digital electronic circuits and controller for operation and maintenance of electrical systems.

From HOD,EEE Department

It gives me immense pleasure in bringing out newsletter “EEE VIDYAMAN”. The department was started with the primary objective to be a foremost programme in the field of electrical and electronics engineering to train the students to face the global challenges and to address the societal problems. Since its inception, the department has been offering infrastructural facilities which include a variety of state of art equipment with modern computing facilities to aspiring professional students to meet contemporary requirements of the industry. The department is dynamic and vibrant with a blend of young experienced and enthusiastic faculty. Department is actively involved in academic and research activities in electrical and electronics engineering and multidisciplinary fields.

The department strives to provide a conducive environment for the students to develop analytical and practical skills and utilize them to solve the real- life problems. To encourage the students, the department conducts training on regular basis on present trends in hardware and software, organize workshops, industrial visits, and internships periodically. The department’s newsletter is a step forward to showcase academic achievements of our faculty and students.

This will create an impact on the minds of readers, by way of providing larger overview and dimensions of the department. Finally, I congratulate my students for participating in various extra-curricular activities and competitive examinations. My best wishes to all for their bright career and future endeavors.



Dr. DEEPIKA MASAND
Professor & HOD

MOU's of the department

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EDUNET FOUNDATION
#Sair way, Business
Park, 7th Floor, EGL
Dommaluru,
Bengaluru-560071

2

MARCHMIND
TECHNOLOGIES
18, Ground Floor
Shivasutham
Apartment, 3rd main
Nobo Nagar, Bangalore,
Karnataka 560076 ut
labore et dolore magna
aliqua.

3

MCore Tech Academy
Pvt. Ltd. (Mcoreta)
R.No-3, #10/107,
Chennanayakana Palya,
Subramanya Temple,
nagasandra Post,
Havanur Layout,
Bangalore, Karnataka-
560073

4

INCANTO

No.373, 1st Floor,
Garudadri Arcade, 1st
Floor, West of Chord
Road, Stage 2,
Rajajinagar, Bangalore.

5

PRDC power research
development consultant
privet limited # 5, 11th
Cross Rd, West of Chord
Road 2nd Stage,
Nagapura, Bengaluru,
Karnataka 560086
Phone: 080 4245 5555

ALUMNI TALK

Alumni talk by SURAKSHA R, Systems Engineer Integration & Verification JB Poindexter & Co.

Suraksha Ramesh completed her B.E from GAT in Electrical and Electronics Engineering in the year 2020. She completed her M. Tech in Electric Vehicle Technology from Rajiv Gandhi Institute of Petroleum Technology. Currently she is working as Systems Engineer - Integration & Verification at JB Poindexter & Co. She also worked as Junior R & D Engineer at Navabharat Edison Motors.



EXPERT TALK ON “CAREER GUIDANCE”

BY PARTHASARATHY M ASSOCIATE DIRECTOR, M/S MCORE TECHNOLOGIES PVT. LTD.,

An expert Talk on “Carrier Guidance” was organized by the Department of Electrical and Electronics Engineering in association with “MCore Tech Academy Pvt. Ltd. (MCoreta), Bengaluru” for 7th Semester students on **12th December 2024.**



EXPERT TALK ON “INDUSTRIAL ENERGY SYSTEMS”

BY PARTHASARATHY M ASSOCIATE DIRECTOR, M/S MCore TECHNOLOGIES PVT. LTD.,

An expert Talk on “Industrial Energy Systems” was organized by the Department of Electrical and Electronics Engineering in association with “MCore Tech Academy Pvt. Ltd. (MCoreta), Bengaluru” for 5th semester students on **12th December 2024**.



EXPERT TALK ON “WASTE MANAGEMENT AND SUSTAINABILITY”

BY MR. NAGARAJ PROGRAM HEAD, SUSTAINABILITY INITIATIVES
HASIRU-DALA INNOVATIONS BENGALURU.

Expert Talk on “Waste Management and Sustainability” on 11 December 2024 by Mr. Nagaraj is an environmental enthusiast and the founder of the Plogging movement in India. Through his initiative, he aims to inspire individuals to adopt eco-friendly practices while promoting physical well-being.



EXPERT TALK

Expert Session on "Job opportunities and Higher studies abroad" by Ankesh Shivamallu, Technical Services Specialist, Solar Edge Technologies on 12th september 2024



Bengaluru, Karnataka, India

4Th Cross Road, Rajarajeshwari Nagar,
Bengaluru, 560098, Karnataka, India

Lat 12.926803, Long 77.527141

12/09/2024 11:30 AM GMT+05:30

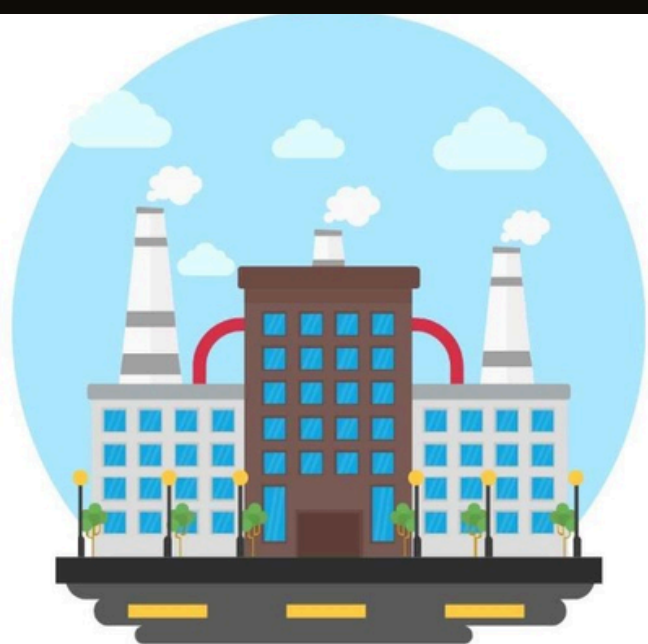
Note : Captured by GPS Map Camera

faculty coordinator
Dr.Ruma Sinha
Associate Professor
EEE,Department

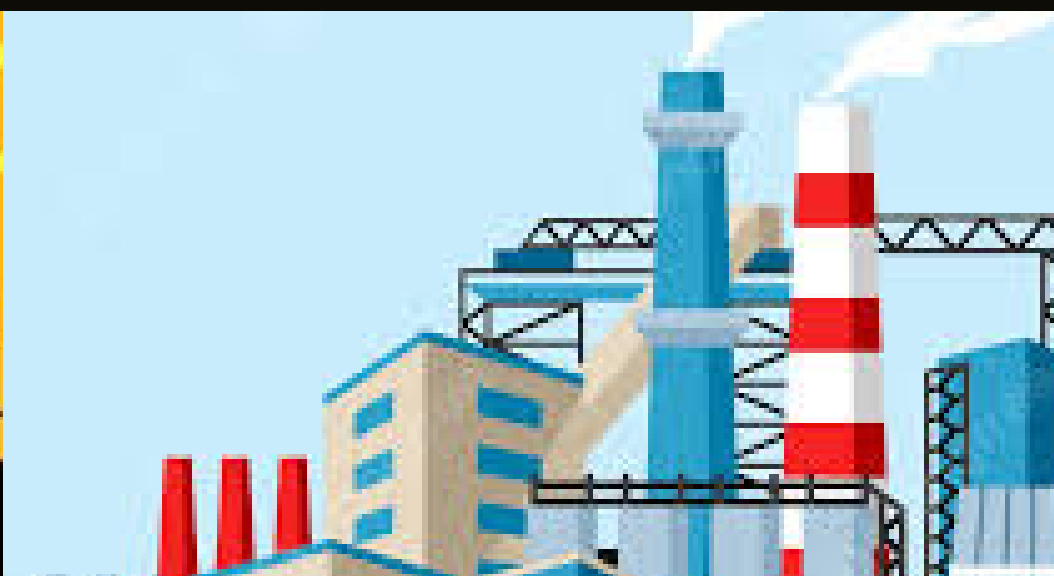
EXPERT TALK

Ankesh delivered an insightful talk on “Job Opportunities and Higher Studies Abroad” for current undergraduate engineering students. He shared valuable guidance on navigating global career options, application processes, and key skills in demand. The session highlighted pathways for pursuing master's and doctoral programs overseas, along with strategies for securing internships and jobs in multinational companies. Students found the interactive Q&A especially helpful in clarifying doubts about exams, scholarships, and adapting to new cultures.





Industrial Visits



2024-25

KAVIKA

The students of the 3rd Semester EEE, accompanied by Dr. G.Jayachitra and Dr. Srinivasan S visited KAVIKA on on **15th November 2024** as part of an Industry-Academia Interaction.

Karnataka Vidyuth Karkhane Limited is a successor to the erstwhile government Electric factory, which was established in the year 1933, the oldest transformer industry in the country and fully owned by the government of Karnataka.



GKVK University



The students of the 3rd Semester EEE, accompanied by Dr. Hemachandra Reddy and Prof. Balagopala Reddy visited the Indian Institute of Metals (IIM) and the National Museum of Agriculture (NMA) at GKVK on **22nd November 2024** as part of an industrial visit.



ABB PEENYA



The students of the 5th Semester EEE, accompanied by Dr. Deepika Masand and Prof. Nagrathana K visited ABB Peenya on **3rd December 2024** as part of an Industry-Academia Interaction initiative. ABB is a pioneering technology leader in robotics and motion, electrification products, industrial automation, and power grids, serving customers across utilities, industries, transport, and infrastructure globally.

ELECTROSAPIENS

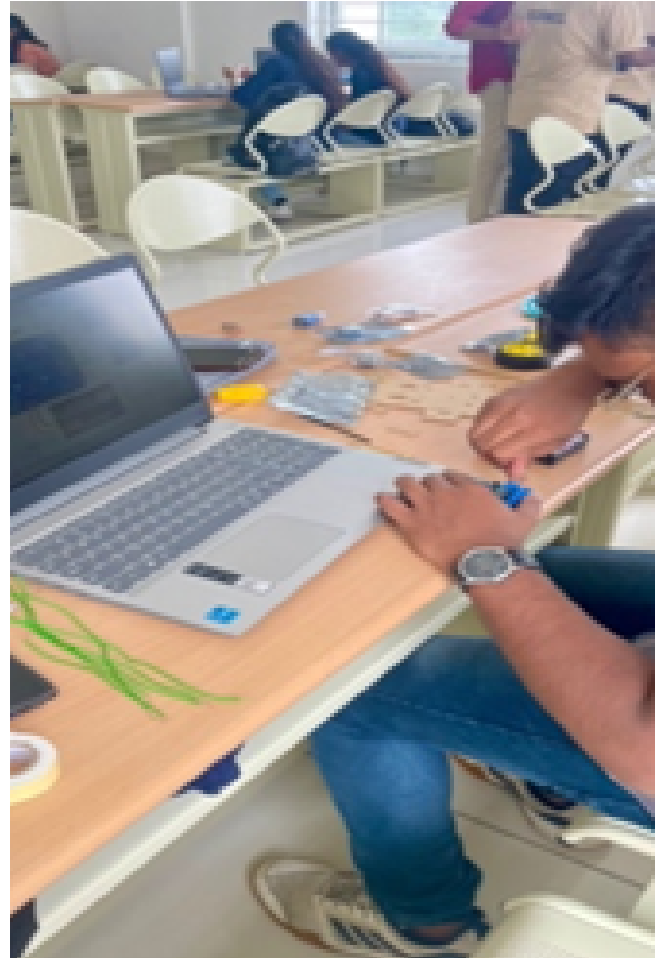
HARDWARE HACKATHON



Department of Electrical and Electronics Engineering, GAT, conducted a Hardware Hackathon, ElectroSapiens on 8th and 9th August under the banner of IEEE Power and society Student chapter, GAT. This hackathon was not just a competition but a celebration of innovation, creativity, and the incredible potential that lies in the fusion of hardware and human creativity



ELECTROSAPIENS



faculty coordinator:
Dr.Ruma sinha
Assosiate professor
EEE department

VID-YOUTH 2.0

The IEEE Power and Energy Society Student Branch
– GAT successfully conducted VID-YOUTH 2.0 on 7th
January 2025



- ☐ Electro-Quiz
- ☐ Debate
- ☐ Hack-an-Hour
- ☐ Poster Presentation
- ☐ Wire Loop Game

faculty coordinator:
Dr.Ruma sinha
Associate professor
EEE department

vid-youth 2.0

Electro-Quiz



The IEEE Power and Energy Society Student Branch – GAT successfully conducted Electro-Quiz, an engaging quiz competition focused on electrical engineering concepts. The event aimed to test and enhance participants' knowledge in the field of power systems, circuits, electrical machines, and emerging trends in electrical engineering.

Debate



The IEEE Power and Energy Society Student Branch – GAT organized a thought-provoking debate competition. The event aimed to encourage critical thinking and articulate discussions among students on one of the most pressing issues of the digital era.

Hack-an-Hour

vid-youth 2.0



A.The IEEE Power and Energy Society Student Branch – GAT hosted an exciting and fast-paced one-hour hardware hackathon titled Hack-an-Hour, aimed at fostering creativity, quick problem-solving, and hands-on technical skills.

Poster Presentation

vid-youth 2.0



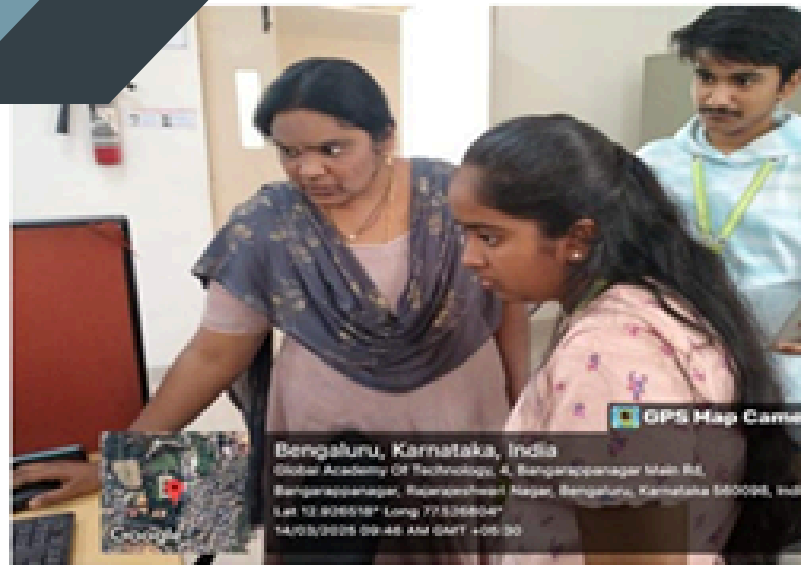
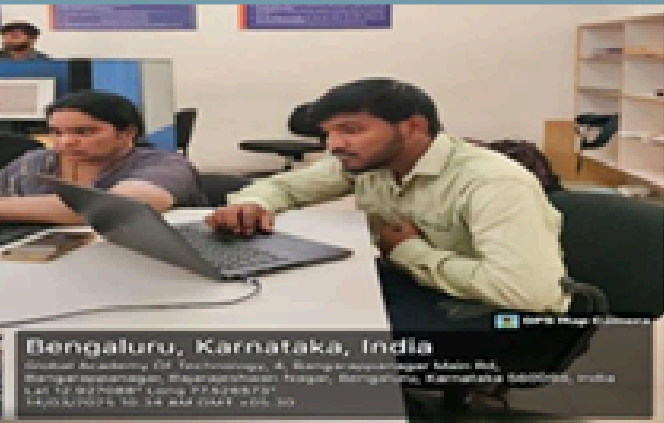
The IEEE Power and Energy Society Student Branch – GAT hosted a poster presentation competition on the theme Sustainable Development of Modern City. The event aimed to bring forward innovative ideas and solutions for creating smart, sustainable urban spaces while addressing challenges like energy efficiency, environmental conservation, and urban mobility.

Wire Loop Game



The IEEE Power and Energy Society Student Branch – GAT conducted a Wire Loop Game competition, a fun and skill-testing event that combined precision, concentration, and steady hand movements. Participants navigated a metallic loop along a curved electrical wire from start to end without letting the loop touch the wire, which would trigger a buzzer





Value Added Program



Value Added Program on PCB design and Fabrication Using Ki-Cad is Conducted **from 10-03-2025 to 14-03-2025**.

By attending this workshop, participants will gain practical experience and knowledge in PCB design and fabrication using Kicad, bridging the curriculum gap and enhancing their skills and employability. Faculty Coordinators: Dr. Srinivasan S ,Mrs. Shruti Athanikar

IBM skill build program is conducted from 8-1-2025 to 22-1-2025

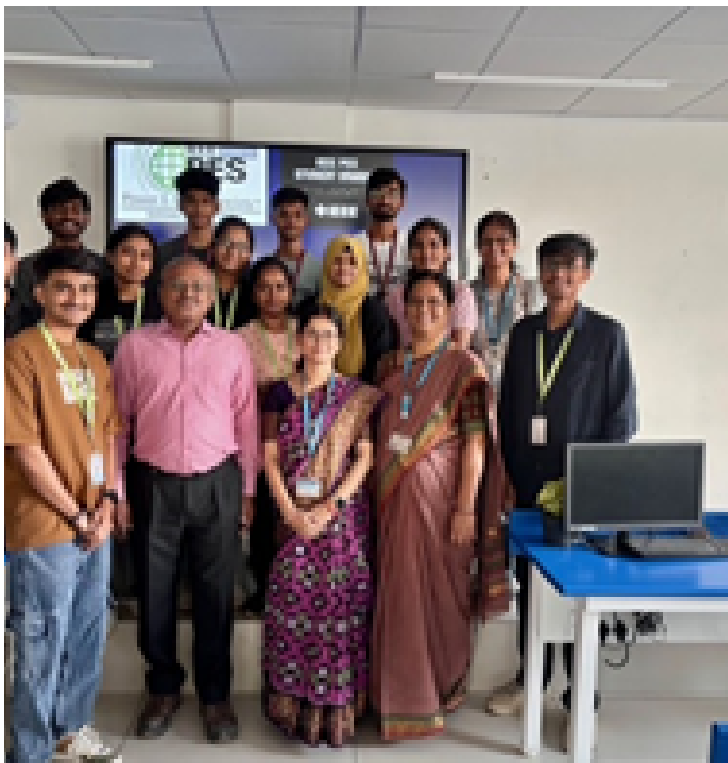
Resource person :Abhishek G

Full stack developer and master trainer



One-Day Hands-on Workshop on Embedded System Development

Department of Electrical and Electronics Engineering in association with IEEE PES student Chapter, Bangalore. One-Day Hands-on Workshop on Embedded System Development



Objectives of the event

- To provide hands-on experience with microcontrollers (ESP32, or STM32) and interfacing with basic sensors and actuators.
- To familiarize participants with embedded C programming and basic hardware design principles.
- To encourage problem-solving and system integration skills through mini-projects or live demonstrations.
- To build confidence in developing simple embedded system prototypes



Edgeline Go-kart championship 2025

The students of Electrical and Electronics Engineering department has participated in ***Edgeline go kart championship 2025***. Event took place at Ajeenkya DY Patil School of Engineering, Lohegaon, Pune.

Competing against many teams across the region, our team showcased exceptional design innovation and driving skills. With months of rigorous preparation, sleepless nights in the preparation, and relentless team spirit, they emerged victorious—securing 9 awards in multiple categories.





The team, Voltron, earned notable achievements across multiple categories: Voltron secured 2nd place in the Electric Vehicle (EV) Category, showcasing their excellence in EV go-kart design.

- Business Presentation: 1st place
- Aesthetics: 1st place
- Dronacharya Award: 1st place
- Best Woman Participant
- Acceleration Test: 1st place
- Skidpad Test: 2nd place
- Autocross: 2nd place
- Endurance Race: 2nd place
- Overall Runner-Up: Voltron (EV Category) – 2nd place

Under the guidance of:

Dr. Nagarathna K

Associate Professor

EEE Department



One-Day Hands-on Workshop on Embedded System Development

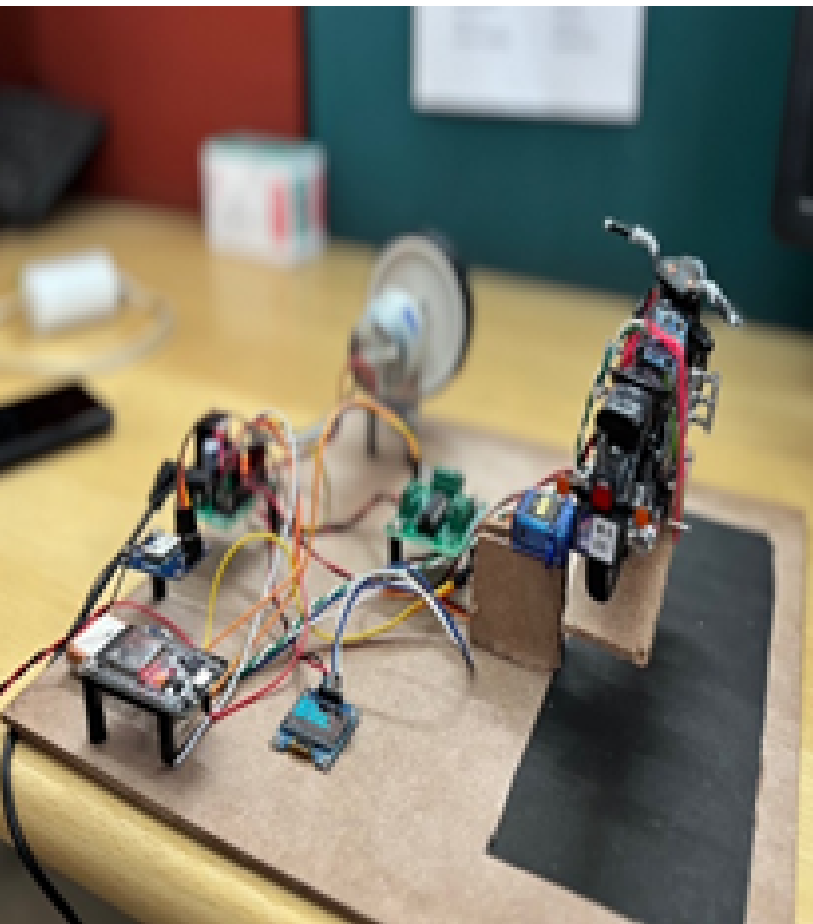


Resource Person

Gokulmuthu Narayanaswamy
Director - Product Development, Itron India
Bengaluru, Karnataka, India
Kshitij Kumar Sharma
Firmware Engineer, Itron India
Lito V.J
IT professional Itron India

faculty coordinator
Dr. Ruma Sinha
Associate Professor, Department of EEE

PROJECT EXPO



PROJECT EXPO



The department of electrical engineering in association of IEEE power and energy society GAT successfully organized a Project Expo bringing together bright minds to showcase their innovative ideas and technical expertise! From cutting-edge automation and renewable energy solutions to IoT-based smart systems, students displayed practical applications of engineering concepts through working prototypes and creative demonstrations. The event provided a platform for collaboration, learning, and inspiration

IBM Z DATATHON 2024



On February 19th, 2025, IBM hosted the IBM Z Datathon 2024 winners and IBM Student Ambassadors at their Bengaluru office, located in Embassy Golf Links Business Park. As part of the event, From Global Academy of Technology



Akshata Pandit presented her winning project, which featured an innovative model for detecting lake encroachment, demonstrating the power of technology in addressing environmental challenges. The event provided attendees with insights into IBM's career opportunities, resources for professional growth, and free courses on mainframe technology.

IBM Z DATATHON 2024

The event provided attendees with insights into IBM's career opportunities, resources for professional growth, and free courses on mainframe technology. Participants were encouraged to explore IBM Z Xplore challenges and learn more about IBM's cutting-edge advancements in mainframe computing.



CONGRATULATIONS

Placed Students – Academic Year 2024-25



**SHREYASHREE P
M (Infosys)**



**PRERANA S PATIL
(Infosys)**



**SOUJANYA B
(Solar Edge)**



**BHOOMIKA A
(Solar Edge)**



**DHEEKSHA U
(Solar Edge)**



**SUKANYA
(Solar Edge)**



**BHARATH KUMAR
(Solar Edge)**



**SHRUSTI P RAJU
(IMEG)**



**SHRUSTI P RAJU
(IMEG)**

CONGRATULATIONS

Placed Students – Academic Year 2024-25



BHAVYA M
(FOXCONN)



DEEPAK
(Venkat
Switchgears)



DARSHAN D C
(Venkat
Switchgears)



KARTHIK L A
(Inphase Power
Technologies)



DARSHAN L D
(Inphase Power
Technologies)



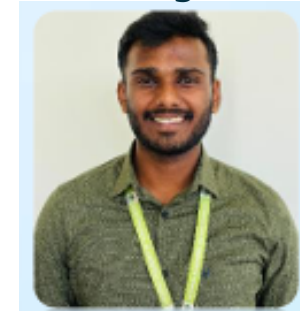
MOHITH
(Inphase Power
Technologies)



REVANTH (Macurex
Sensors Pvt. Ltd.)



SOHAN S C (Luster
LightTech Co. Ltd.)



DEEMANTH B U
(Indus Assist.)

CONGRATULATIONS



K R SHIVASHANKAR
(Indus Assist.)



UJWAL
(S.P Creative Studio)



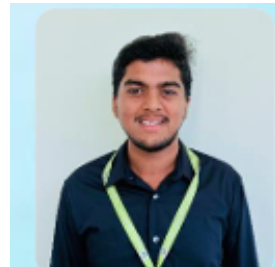
PAVAN K
(Indus Assist.)



NIKHIL J
(Indus Assist.)



PRATHAM SHEKAR S
(Indus Assist.)



CHANDAN GOWDA N
(Indus Assist.)



ABHISHEK C
(Indus Assist.)



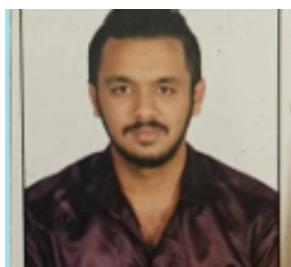
MANDIRA
(Solar Edge.)



SAVITHA
(Solar Edge.)



MOHAMMED SAUOOD
(Gravity India
Technologies)



SUMANTH GOWDA
(Gravity India
Technologies)

RANK HOLDERS 2024-25



SAUJANYA B
CGPA: 9.78



SHRUSTI P RAJU
CGPA: 9.68



DEEKSHA P R
CGPA: 9.21



BHUMIKA A
CGPA: 9.09



CHANDAN GOWD N
CGPA: 8.91



SAVITHA G
CGPA: 8.74

farewell

2021-25 batch

A farewell function was organized for the final-year students on 31st May 2025.





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EDITORIAL BOARD:

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Professor & HOD
Dept. of EEE, GAT

Mrs. SWATHI Y C
Assistant Professor
Dept. of EEE, GAT

Ms. ADITI HAASINI
Student Dept. of EEE,GAT

