



ADVISORS

Sri. D. Praveen Reddy

Chairman, CBES

Sri. J. Pratap Reddy

Secretary & Correspondent, MGIT (Autonomous)

Prof. G. ChandraMohan Reddy

Principal, MGIT (Autonomous)

Dr. K. Sudhakar Reddy

Vice-Principal, MGIT (Autonomous)

ORGANIZING COMMITTEE

CHAIRMAN

Dr. P. Ram Kishore Kumar Reddy

Professor & HoD, EEE

CONVENERS

Dr. P. Nagasekhar Reddy

Associate Professor, EEE

Mr. Ch. Vinay Kumar

Assistant Professor, EEE

CO-CONVENERS

Mr. G. Arun Kumar

Assistant Professor, EEE

Mr. C. Mahesh

Assistant Professor, EEE

COORDINATION & TECHNICAL TEAM:

Dr. P. Chandra Sekhar, Associate Professor

Mrs. N. Madhuri, Assistant Professor

Mr. B. Narsimha Reddy, Assistant Professor

Mrs. P. Veera Bhadra Kumari, Assistant Professor

Mr. P. Pradyumna, Assistant Professor

Dr. P. Lakshmi Supriya, Assistant Professor

Dr. M. Nalini Devi, Assistant Professor

Dr. A. Ramchandra Reddy, Assistant Professor

Mr. G. Gopal, Assistant Professor

Mr. S. Abhishek Reddy, Assistant Professor

Mrs. S. Sudha Rani, Assistant Professor

Mr. P. Ranjith Krishna, Assistant Professor

Dr. Swati Paliwal, Assistant Professor

Mr. H. Gurunath, Assistant Professor

Mr. D. Vamshy, Assistant Professor

RESOURCE PERSONS:

Mr. A. Gourav (Accel UAV Pvt.Ltd.)

Mr. Ashwin (Accel UAV Pvt.Ltd.)

TOPICS:

Day-1:

- Overview on DRONE TECHNOLOGY
- Components and functionalities
- Designing GPS system for drones

Day-2:

- Software details, designing of Drones in AutoCAD
- Hands-On experience on operating/piloting

Organized by



Mahatma Gandhi Institute of Technology
(Autonomous)
Department of
Electrical and Electronics Engineering

A Two Day

Hands - On Training Program

on

“Drone Technology”

In Collaboration with

“Accel UAV Pvt. Ltd.”

from

15th to 16th March 2024

Time: 10:00 AM to 05:00 PM

Venue: E-701 (EEE Seminar Hall)

Address for Correspondence

Mahatma Gandhi Institute of Technology (Autonomous)
Gandipet, Chaitanya Bharati (P.O),
Ranga Reddy District, Hyderabad,
Telangana - 500075.

Website: www.mgit.ac.in

ABOUT THE INSTITUTE:

Mahatma Gandhi Institute of Technology is one of the premier Engineering Colleges in the self – financing category in the state of Telangana. It has grown rapidly since its inception in 1997. The lush green campus of MGIT instituted by Chaitanya Bharthi Educational Society is spread over 30 acres of pleasant landscape with a constructed area of 2,50,787 sq.ft. MGIT is affiliated to Jawaharlal Nehru Technological University, Hyderabad. The institute is accredited by NAAC with 'A' grade for a period of 5 years and Eight Under Graduate programs of the institute are accredited by National Board of Accreditation, New Delhi. The college offers instruction in 11 undergraduate programs (Electrical and Electronics Engineering, Computer Science Engineering, Computer Science Engineering (Data Science), Computer Science Engineering (Artificial Intelligence and Machine Learning), Computer Science and Business System, Information Technology, Electronics and Communication Engineering, Mechanical (Mechatronics) Engineering , Metallurgical and Materials Engineering, Civil Engineering and Mechanical Engineering) and also 5 PG programs. The college celebrates its annual cultural festival 'NIRVANA' and each of the departments conducts annual technical symposiums & conferences. The Management extends unstinted support in organizing all curricular, co-curricular and extra-curricular activities. In its two decades and more of its evolution, all the stake holders of the Institute, relentlessly endeavoured to position MGIT as a Leader and an Innovator in the ecosystem of technical education. The Institute has established excellent Infrastructure such as state-of-the art laboratories, spacious library with a collection of printed and digital books & journals, sports & hostel facilities along with Infrastructure for extra and co-curricular engagements, in pursuit of academic excellence. The institute has received MHRD's NIRF-2022 Ranking in the rank band: 251-300. Starting from academic year 2021-2022 MGIT is conferred with Autonomous status for 10 years by UGC, New Delhi.

ABOUT EEE DEPARTMENT:

The Electrical and Electronics Engineering department was established in the year 2001-2002. The department imparts knowledge in the field of design of electrical equipment. The experienced faculty with the aid of 7 well equipped laboratories impart valuable theoretical & practical knowledge to the prospective engineers to make them future ready. The main objective of the department is to create interest and imbibe fundamental concepts of Electrical Engineering among the students to bridge the gap between academics and industrial needs. Students are always an asset to the institute and nurturing them is of foremost importance. In addition to this, the department also has the Memorandum of Understanding (MoU) with Central Power Training Institute (CPTI), Covenant Technology Solutions, Ademtek Solutions Pvt Ltd, SkillDzire and Hyderabad Institute of Electrical Engineers (HIEE) to have a result-oriented training for Electrical Engineering and Electrical Design Courses. These MoUs provide high-quality education; professional training and continuous guidance to the students helping and guiding them to be placed in core electrical engineering jobs. The dedicated staff members possessing sound knowledge in emerging areas like Power Systems, Power Electronics, Micro Electronics, Control Engineering, etc., motivate and stimulate challenging research projects coupled with high standard of lecture courses, ensuring that the students choose appropriate career path.

PARTICIPANTS:

B.Tech Students of EEE Department

Certificate:

Certificate will be provided to all the attended students after successful completion of training programme.

ABOUT TRAINING PROGRAM :

The Training Programme aimed for students to focus on Drone Technology concepts especially on Different technologies and engineering involved in building a drone

- Overview of drone components and functionalities
- Brief about sensors, propulsion systems , software algorithms and aerodynamics
- Designing GPS and non GPS based navigation for robots
- Designing closed loop control system for drones , Unmanned Ground vehicles and unmanned surface vehicles
- Designing power distribution , power management and power flow analysis on Drones
- Design and selection of thrust generators- BLDC motors and electronic speed controllers for drones

TRAINING PROGRAMME GUIDELINES:

1. After submitting the Google form for participant registration for the Training Programme, Whatsapp Link will be provided. All the registered students for the programme must join the Whatsapp group for any other information regarding training program.
2. Attending all the sessions and submission of feedback cum attendance form by students is mandatory.
3. Feedback cum attendance forms will be distributed at the end of the session.
4. Certificate will be provided to all the registered students who attend all the sessions and submit the day wise feedback cum attendance forms at the end of each session.
5. The last date for registration is on or before 14th March 2024, 9:00 PM.

How to Register for Training Programme:

All the Interested students are informed to fill the Google form through the link given below

<https://forms.gle/6KpAhMmsGy67Kv6a9>