



MAHATMA GANDHI

INSTITUTE OF TECHNOLOGY (Autonomous)

Kokapet(Village), Gandipet, Hyderabad, Telangana – 500075. www.mgit.ac.in



MOTIVATE
INNOVATE
EMPOWER 26
YEARS

ADVISORS

Sri. D. Praveen Reddy

Chairman, CBES

Sri. J. Pratap Reddy

Secretary & Correspondent, MGIT

Prof. G. ChandraMohan Reddy

Principal

Dr. K. Sudhakar Reddy

Vice-Principal

ORGANIZING COMMITTEE

CHAIRMAN

Dr. P. Ram Kishore Kumar Reddy

Professor & HoD, EEE

CONVENERS

Dr. P. Nagasekhar Reddy

Associate Professor, EEE

Mr. G. Arun Kumar

Assistant Professor, EEE

CO-CONVENERS

Dr. P. Lakshmi Supriya

Assistant Professor, EEE

Mr. Ch. Vinay Kumar

Assistant Professor, EEE

For any Queries

Mr. C. Mahesh:- +91 7702726245

Assistant Professor, EEE

Mr. D. Vamshy:- +91 9849255844

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. M. Nalini Devi, Assistant Professor

Mr. 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

Mrs. Swati Paliwal, Assistant Professor

Mr. H. Gurunath, Assistant Professor

RESOURCE PERSONS:

1. **Dr. G .Naresh Kumar**

Associate Professor, BVRIT, Narsapur

2. **Mr. Ramchandar Nirudi**

Associate Professor & Consultant (Solar PV Projects),
BVRIT, Narsapur

3. **Dr. Shimi S. L.**

Associate Professor, Electrical Engineering,
PEC (Deemed to be University), Chandigarh

4. **Dr. D. Sreenivasa Rao**

Associate Professor, EED, NIT Warangal

5. **Dr. Saalim Qureshi**

Application Engineer, Quarbz Info Systems, Kanpur

TOPICS

- Impact of EV charging station on distribution system
- Challenges and solutions for commissioning and operating a solar PV systems
- Soft computing techniques in Green and Renewable Energy Systems
- Electric Vehicle chargers design and optimization techniques
- Real time and Virtual simulations on EV, BMS and Microgrid Applications using Typhoon HIL Software

Department

of

Electrical and Electronics Engineering

is

Organizing

A One Week National Level Online

Faculty Development Programme

on

“Recent Trends in Green Energy

Initiatives and Soft Computing

Techniques”

from

11 to 15 July 2023

Time: 10:30 AM to 12:00 PM

ABOUT FDP:

The Faculty Development Program aimed for Faculty/Research Scholars to focus on challenges and solutions in Green Energy Initiatives and scope of research. The program would enable the participants to explore the knowledge on research trends in Microgrid and Electric Vehicle Chargers. Also, the FDP covers Real time and Virtual simulations using Typhoon HIL technology.

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.

ELIGIBILITY:

Faculty / Research scholars from AICTE approved Engineering colleges, Professionals from Industry, Government and R&D organizations are eligible.

FREE Registration

***E-certificate** will be provided to all the active registered participants after successful submission of feedback cum attendance form for all the sessions.

FDP GUIDELINES:

1. Faculty development program platform: Cisco Webex
2. After submitting the Google form for participant registration for the FDP, Whatsapp Link will be provided. All the registered participants for the FDP must join the Whatsapp group for receiving FDP meeting links and any other information regarding FDP.
3. Attending all the sessions and submission of feedback cum attendance form by participants is mandatory.
4. Feedback cum attendance link will be shared in the chat box at the end of the session.
5. E-Certificate will be provided to all the registered participants who attend all the sessions and submit day wise feedback cum attendance forms at the end of each session.
6. The last date for registration is on or before 9 July 2023, 8:00 PM.

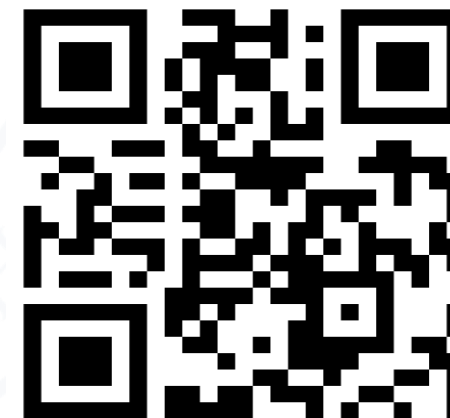
How to Register for FDP:

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

<https://tinyurl.com/j67cu2v7>

OR

Scan the QR code below to register





INVITATION

Department of Electrical and Electronics Engineering

Cordially Invites you to

The Inaugural Function

of

A One Week National Level Online
Faculty Development Programme

on

Recent Trends in Green Energy Initiatives and Soft Computing Techniques

from

11th to 15th July 2023

INAUGURAL PROGRAM

- 10:00 AM Inviting Guests : **Mr. S. Abhishek Reddy**
Assistant Professor, EEE, MGIT
- 10:05 AM Invocation & prayer song : **EEE students, MGIT**
- 10:08 AM Address by Principal : **Prof. G. ChandraMohan Reddy**
Principal, MGIT
- 10:12 AM Address by Vice-Principal : **Prof. K. Sudhakar Reddy**
Vice- Principal, MGIT
- 10:16 AM About the Department : **Dr. P. Ram Kishore Kumar Reddy**
Professor & HoD, EEE, MGIT
- 10:20 AM About the FDP : **Dr. P. Nagasekhar Reddy**
Associate Professor, EEE, MGIT
- 10:25 AM Vote of Thanks : **Mr. G. Arun Kumar**
Assistant Professor, EEE, MGIT



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DAY-WISE SCHEDULE				
S. No.	Date	Time	Speaker Name	Topic
1	11.07.2023	10:00 AM to 10:30 AM	Inauguration	
		10:30 AM to 12:00 noon	Dr. G. Naresh Kumar Associate Professor, BVRIT, Narsapur, Hyderaabd	Impact of EV Charging Station on Distribution Systems
2	12.07.2023	10:30 AM to 12:00 noon	Mr. Ramachandar Nirudi Associate Professor, BVRIT, Narsapur, Hyderaabd	Challenges and Solutions for Commissioning and Operation of a Solar PV System
3	13.07.2023	10:30 AM to 12:00 noon	Dr. Shimi S. L. Associate Professor, Punjab Engineering College (Deemed to be University), Chandigarh	Soft Computing Techniques in Green and Renewable Energy Systems
4	14.07.2023	10:30 AM to 12:00 noon	Dr. D. Sreenivasa Rao, Associate Professor, EED NIT Warangal	Electric Vehicle chargers design and optimization techniques
5	15.07.2023	10:30 AM to 12:30 noon	Dr. Saalim Qureshi, Application Engineer, Quarbz Info Systems, Kanpur	Real time and Virtual simulations on EV, BMS and Microgrid Applications using Typhoon HIL Software