



Brochure

**AICTE-ISTE Online
Induction/Refresher Program**

On

**Electronic CKT Analysis with
MATLAB**

27-12-2021 to 01-01-2022

**Sponsored By
All India Council For
Technical Education (AICTE)**



**Indian Society For Technical
Education (ISTE).**



**Organized By
Geethanjali College of
Engineering and Technology
(GCET), Cheeryal.**



Organizing committee

Chief Patron

G. R. Ravinder Reddy
Chairman, GCET, Cheeryal

Patron

Dr. Udaya Kumar Susarla
Principal, GCET, Cheeryal

Convener

Dr. G. Neeraja Rani
HoD, Freshman Engineering, GCET

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Professor, GCET, Cheeryal
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Assoc. Professor, GCET, Cheeryal
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About GCET

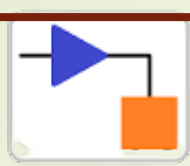
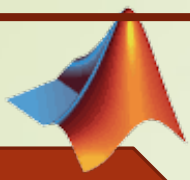
Geethanjali College of Engineering and Technology is equipped and geared to take on the responsibility of providing the student community with technical education on par with the latest advances in the field in a committed academic ambience and as we understand that acquiring a competency is not a one-time event, but rather an ongoing process, the focus is on developing competencies in students for the future. The Institute imparts high level education training, research and development in engineering and technology along with high quality education and values at UG and PG level. At present the Institute offers courses in six major technical disciplines viz., Civil Engineering, Computer Science & Engg., Electrical Engg., Electronics & Communication Engg. and Mechanical Engg and Information Technology. It also consists of well-established supporting Freshman Engineering department consists of Physics, Chemistry, Mathematics and Humanities divisions.

Objectives and Context of the Program

- To provide the Faculty with simple, easy, hands-on introduction to demonstrate the use of MATLAB for solving electronics problems.
- To show the various ways MATLAB can be used to solve circuit analysis problems.
- To show the flexibility of MATLAB for solving general engineering and scientific problems.

Benefits to the Faculty

This Programme helps to build the proficiency to analyze electronic circuits. It provides an easy, practical introduction to MATLAB and clearly demonstrates its use in solving a wide range of electronics and circuit analysis problems in general engineering and scientific problem.



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Topics to be covered

- ❖ MATLAB basics and functions
- ❖ Basic Electronic circuit analysis
- ❖ Characteristics plots using MATLAB
- ❖ Signal Processing and Communication Tool box in MATLAB
- ❖ Hands-on based training on different Power Electronics Converters on MATLAB
- ❖ National Education policy – 2020
- ❖ Stress management

One-week Programme Includes

- Six Days Training will be taken by group of Experts in different areas of Electronics with the experience of years to decades in the industry and academics. The training hour is 6 hours/day. Mode of training is Instructor- led live online
- 36 Hours Instructor-led live online Hands-on based learning & Interactive Query Session.
- Soft copy of study material will be provided.

Who Can Participate

Faculty members of AICTE recognized Universities and Engineering colleges all over India.

No Registration Fee

Registration Process

[Click Here](#) or shorturl.at/isSWZ for registration

Last date of registration:

Certification Criteria

- An online test shall be conducted at the end of the program.
- Random test on daily basis will be conducted with minimum 5 objective /multiple choice questions on the topic covered for the day.
- The certificates shall be issued to only those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the tests, both daily and final.

Resource Persons

- 1. Dr. Kota Solomon Raju**
Sr. Principal Scientist & Head ICT, CSIR- NAL
- 2. Dr. Ramanujam Meganathan**
Professor, NCERT, New Delhi
- 3. Dr. A. D. Sarma**
CBIT, Hyderabad
- 4. Mr. N. Bhaskar Reddy**
Technical Manager, ABB, Bangalore.
- 5. Dr. Sushma**
Scientist-E, RCI
- 6. Dr. Sumita Roy**
Professor(Retd.), Osmania University.
- 7. Dr. R. N. Ponnalagu**
BITS Pilani, Hyderabad campus
- 8. Mr. D. Shravan Kumar**
Scientist-D, RCI
- 9. Dr. K. N. P Rao**
HFN, Sri Rama Chandra Mission, Hyderabad
- 10. Dr. K. Srihari**
Professor, GCET
- 11. Dr. R. V. Durga**
Assoc., Professor, GCET
- 12. Ms. Ch. Naga Deepa**
Assistant Professor, VNR-VJIET, Hyderabad
- 13. Ms. L. Dharma Teja**
Assistant Professor, VNR-VJIET, Hyderabad