

## ABOUT THE GCT COIMBATORE

Government College of Technology, Coimbatore formerly known as the Arthur Hope College of Technology, was started in July 1945 to give high priority to Technical Education. The institute was renamed as Government College of Technology and affiliated to University of Madras in 1951. The institute offers nine UG and eleven PG programs with recognized research supervisors to pursue M.S. (by Research) and Ph.D. programs. The institute was granted full autonomy for all the UG and PG courses from the academic year 1987-88. Each department has well qualified faculty members and excellent infrastructural facilities. The institute received TEQIP funds in Phase I, II and III of MHRD project. The institute is accredited by NAAC with 'A' grade.

## ABOUT THE FACULTY TRAINING CENTRE

The Faculty training centre was established in the year of 2019 to provide technical trainings to Engineering and Polytechnic college faculty members by Tamil Nadu State Government. It is equipped with sophisticated smart class rooms and tutorial rooms. It provides boarding and lodging facilities to resource persons and participants during the training programme. The programmes are organized to enhance the teaching skills of faculty members.

## ABOUT THE INSTITUTION

Dr. RM. Alagappa Chettiar, a man of wisdom and forethought, founded Alagappa Chettiar Educational Trust with the sole aim of providing a quality education. Alagappa Chettiar College of Engineering and Technology started functioning from 21<sup>st</sup> July 1952 with three faculties – Civil, Mechanical and Electrical Engineering. In 1966, the institution was handed over to the Government of Tamilnadu. Now the college is functioning with five disciplines such as Civil, Mechanical, EEE, ECE and CSE.

## ABOUT THE COURSE

Now-a-days mobile/wireless communications mainly rely on microwaves. Besides communication, Microwave Engineering has applications in RADAR, Industrial and Biomedical fields. The design of a complete microwave system is a complex process necessitating the meticulous design of its sub systems. It is therefore very much essential for the academicians to have a deeper understanding of key concepts, technological terms, components, devices and applications of the microwave system. It is also necessary to be familiar with the design aspects of each of the sub systems/components. This course aims at introducing the major components in a microwave communication system and their design. This course will be useful for the faculty members as this is a core course for both B.E and M.E and they will get better insights to proceed with their research work too.

## COURSE CONTENTS

- ❖ Microwave Signal Generation
- ❖ Microwave Antennas and Optimization issues
- ❖ Metamaterials in Antenna
- ❖ Microwave Passive Components
- ❖ Microwave Amplifier Design
- ❖ Applications
- ❖ Antenna and Components design using software tools



## Tamil Nadu State Government Sponsored Five Day Online Faculty Development Programme On **Microwave Engineering**

**02.08.2021 to 06.08.2021**



### Coordinator

**Dr. D. Helena Margaret**

### Convener

**Dr. A. Sivanantha Raja**

### Organized by

**FACULTY TRAINING CENTRE**  
Government College of Technology  
Coimbatore - 641 013  
and  
Department of Electronics and  
Communication Engineering  
Alagappa Chettiar Government College of  
Engineering and Technology  
Karaikudi - 630 003.

## RESOURCE PERSONS

### Dr. P. Hanumantha Rao,

Program Director, mm Wave Center, Sameer, Kolkatta.

### Dr. B. Manimegalai,

Professor / ECE,

Thiagarajar College of Engineering, Madurai.

### Dr. R. Pandeewari,

Associate Professor / ECE,

National Institute of Technology, Trichy.

### Dr. K. Kavitha,

Professor / ECE,

Velammal College of Engineering and Technology,  
Madurai.

### Dr. A. Thenmozhi,

Associate Professor / ECE,

Kalasalingam Academy of Research and  
Education, Krishnankoil.

### Dr. S. C.Sivaprakash,

Professor / ECE,

KLN College of Engineering, Madurai.

### Dr. D. Helena Margaret,

Assistant Professor / ECE,

Alagappa Chettiar Government College of Engineering  
and Technology, Karaikudi.

### Prof. C. Mahendran,

Assistant Professor / ECE,

Alagappa Chettiar Government College of Engineering  
and Technology, Karaikudi.

## REGISTRATION

- ❖ No Registration Fee.
- ❖ Faculty members from AICTE-approved institutions are eligible to attend the training programme.
- ❖ Participants will be selected on first-come first-served basis.
- ❖ Selected candidates will be intimated by E-mail.

## REGISTRATION LINK

Registration has to be done only through

<https://forms.gle/svoUWD3uLTtUdvY8>

## PARTICIPATION CERTIFICATE

E-Certificate will be issued based on the attendance percentage, assignment score and submission of feedback.

## ADDRESS FOR CORRESPONDENCE

### Mr. P. Duraisamy

Assistant Professor / Mechanical,

Faculty Training Centre,

Government College of Technology,

Coimbatore – 641 013.

E-mail: [ftc@gct.ac.in](mailto:ftc@gct.ac.in)

## PATRON

### Dr. P. Thamarai

Principal, GCT, Coimbatore

## HOD / FTC

### Dr. T. Purusothaman

Professor, FTC, GCT, Coimbatore

## CONVENERS

### Dr. K. Manonmani

Principal,

ACGCET, Karaikudi

### Dr. A. Sivanantha Raja

Professor / ECE

ACGCET, Karaikudi

## COORDINATOR

### Dr. D. Helena Margaret

Assistant Professor / ECE,

ACGCET, Karaikudi.

## IMPORTANT DATES

Submission of Application : 26.07.2021

Intimation of Selection : 27.07.2021

Confirmation by Participants : 30.07.2021