

Tamil Nadu State Government Sponsored

Two Weeks Online Faculty Development Programme on

**Exploring the Fabrication Techniques,
Characterization and Applications of
Functional Materials**

13.06.2022 to 26.06.2022

RESOURCE PERSONS

Eminent speakers from reputed national and international institutions will impart their expertise

Session Timings

Session 1 : 09.30 am to 11.00 am

Session 2 : 11.15 am to 12.45 pm

Session 3 : 01.45 pm to 03.15 pm

Session 4 : 03.30 pm to 05.00 pm

ORGANIZING COMMITTEE

Patron

Dr. P. Thamarai
Principal, GCT, Coimbatore

HoD / FDTC

Dr. T. Purusothaman
Professor, FDTC, GCT, Coimbatore

Conveners

Dr. P.K. Palani
Principal, ACGCET, Karaikudi

Dr. B.V. Bhuvaneswari
Professor and Head / Physics
ACGCET, Karaikudi

Coordinators

Dr. S.R. Cynthia
AP/Physics, ACGCET, Karaikudi

Dr. R.N. Mariammal
AP/Physics, ACGCET, Karaikudi

Important Dates

Last Date for Registration : 06.06.2022

Intimation of Selection : 07.06.2022

Confirmation by the Participants : 09.06.2022

Address for Correspondence

Mr. P. Duraisamy
Assistant Professor / Mechanical
Faculty Development Training Centre
Government College of Technology
Coimbatore – 641 013
Email: ftc@gct.ac.in



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**Two Weeks Online Faculty
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Organized by



Faculty Development Training Centre
Government College of Technology, Coimbatore

and



Department of Physics
Alagappa Chettiar Government College of Engineering
and Technology, Karaikudi



About **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 **FACULTY DEVELOPMENT TRAINING CENTRE**

The Faculty Development 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 **ACGCET KARAUKUDI**

Dr. RM. Alagappa Chettiar, a man of wisdom and forethought, founded Alagappa Chettiar Educational Trust with the sole aim of providing quality education. Alagappa Chettiar College of Engineering and Technology started functioning from July 21, 1952 with three faculties – Civil, Mechanical and Electrical Engineering. Then, Electronics and Communication Engineering and Computer Science and

Engineering programmes were added. Now the institution offers 5 U.G and 6 P.G programmes to cater the need of students. The institute is offering research through its six departments (Civil, Mechanical, EEE, ECE, CSE, and Science and Humanities). The prestigious institute is accredited by NBA and NAAC.

About the **FDP**

Nowadays, functional materials have become key drivers in the development of several high-end technologies. These materials play an important role in fields such as engineering, medicine, and space applications, where they are used to actively provide a function through the material’s intrinsic properties. The FDP aims at an ample overview and up-to-date research and development of functional materials. This FDP will provide the participants an exposure to the state-of-the-art techniques used worldwide in the area of functional materials. This course will give an opportunity for in-depth discussions on the various challenges and their possible solutions in the field of materials science through interactions with the scientists and eminent professors working in this field. It will also be a platform to identify the research gaps in the area of materials science which will pave the way to work towards the advancement of science.

COURSE CONTENTS

- Functional Materials
 - Nanomaterials, Biomaterials
 - Smart materials, Hybrid materials
 - Polymers, Ceramics, Composite materials
- Advanced fabrication techniques
- Advanced characterization techniques

- Applications of functional materials
 - Sensors
 - Energy storage devices
- Future trends in functional materials
- Most active research areas

REGISTRATION

- No Registration fee
- Faculty members from AICTE approved institutions (Engineering and Polytechnic colleges) are eligible to attend the programme
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated through email

Registration Link

<https://forms.gle/eMjWBqNwvSstSaXA6>

Scan QR Code



PARTICIPATION CERTIFICATE

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