



TEQIP III SPONSORED
FACULTY DEVELOPMENT PROGRAMME ON
FUNCTIONAL MATERIALS & DEVICES



SEPTEMBER 10-15, 2018

Organized by

**Department of Chemistry
National Institute of Technology Calicut**

Under twinning with

**Govt. Engineering College Bharatpur
Bharatpur, Rajasthan**

Coordinators

**Dr. A. Sujith
Dr. Suni Vasudevan**

Functional Materials form the basis for a wide range of technologies, and they cover different material classes ranging from semiconductors over polymers and molecular crystals to nanoparticles. In this course, both theory classes and practical sessions related to the thrust area would be provided to generate basic understanding in both the fundamentals and advanced topics.

Course content

Topics:

Multiphase polymeric systems, Fuel cells, Electrochemical biosensors, Materials for biomedical applications, Solar cells, Display and memory devices, Nanomaterials

Practical sessions/Demonstrations:

Plastic and rubber processing, Drug-DNA interactions, Protein adsorption studies, Electrospinning, Fluorescence spectroscopy, Contact angle measurement, Four probe source meter, Optical microscopy, Antimicrobial studies, Membrane fabrication, Nanoparticle synthesis, Electrochemiluminescence, Solar cell fabrication, Scanning Electron Microscope, Atomic Force Microscope, Bench top NMR

Eligibility

Faculty members from AICTE/UGC approved academic institutions can apply. **The maximum seats for faculty are 20.** Research scholars working in material science field can also apply.

Registration Fee

There shall be no registration fee for the first applied 20 faculties from AICTE/UGC approved academic institutions for attending the course.

The fee (including GST) for additional faculties and other participants has been given below:

Faculty: Rs. 2360

Industry/Research Organizations: Rs. 5900

Research Scholars: Rs. 1180

The registration fee has to be paid through online transfer. The bank details are given below for online transfer.

Account Name: Director NIT Calicut, Continuing education programme, **Account No:** 37618269594, **Branch:** SBI NIT Calicut **IFSC code:** SBIN0002207

The scanned copy of the filled endorsement form should be mailed to sujith@nitc.ac.in on or before 3rd September 2018. Also mention your name, official address and phone number in the mail. The originals will be verified at the desk.

Boarding & Lodging

All faculty and research scholars may be accommodated in the hostel /international hostel on payment basis if they request for it.

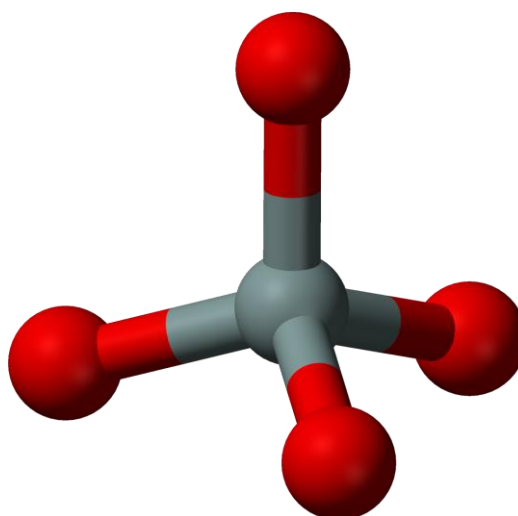
Charges:

International hostel Rs. 450/Room

Ladies hostel Rs. 250/Room

Boys hostel Rs.250/Room

Guest house Rs. 350/Room



TEQIP III

Technical Education Quality Improvement Programme (TEQIP) was launched in December, 2002 by the Ministry of Human Resource Development, India with the World Bank assistance. The programme was conceived and designed as a long term project to be implemented in 10-12 years in 3 phases to support excellence and transformation in Technical Education in the country Third phase of the programme namely TEQIP III was started in the year 2017 and will be ending in 2020. The main objective of TEQIP III is to improve the quality of Engineering Education in existing government institutions in the educationally backward states and also arrange for twinning them with other institutions like NITs and a few affiliating technical Universities (ATU).

CONTACT US

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**Endorsement of the
Head of the Institution/Department**

Certified that Mr./ Ms./ Dr. -----

is an employee of this institution and is hereby sponsored for the training programme on **Functional Materials & Devices** at NIT Calicut during 10th -15th September 2018. He/she will be permitted to attend the course, if selected.

Name & Signature of the Sponsoring Authority
(*seal of the institution*)

Place:

Date: