



# NEHRU COLLEGE OF ENGINEERING & RESEARCH CENTRE

(NAAC Accredited)  
(Approved by AICTE, Affiliated to KTU  
University, Kerala)



**FACULTY DEVELOPMENT PROGRAMME ON CREATIVITY, INNOVATION  
AND NEW PRODUCT DEVELOPMENT**

**June 29<sup>th</sup> to July 3<sup>rd</sup> 2020**



**Organized by**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**&**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**In association with**



**@**

**NEHRU COLLEGE OF ENGINEERING & RESEARCH CENTRE**

**PAMPADY, THIRUVILWAMALA,**

**THRISSUR, KERALA, INDIA.**

# **FACULTY DEVELOPMENT PROGRAM on CREATIVITY, INNOVATION and NEW PRODUCT DEVELOPMENT**

**DATE: June 29<sup>th</sup> to July 3<sup>rd</sup> 2020**

## **CHIEF-PATRONS**

**Adv. Dr. P. Krishnadas**

Chairman & Managing Trustee, NGI

**Dr. P. Krishakumar**

CEO & Secretary, NGI

## **PATRON**

**Prof. (Dr.) Ambikadevi Amma T**

Principal, Nehru College of Engineering and Research Centre, Pampady

## **CONVENOR**

**Dr. Sobha Manakkal**

Head of the Department, Electrical and Electronics Engineering

## **COORDINATORS**

**Prof. Rajkumar G**

Assistant Professor,

EEE Department

**Prof. Sundaramoorthi. P**

Associate Professor,

EEE Department.

**Dr. U. Vijay Sanker**

Associate Professor

CSE Department.

**Prof. Radhika M**

Assistant Professor

CSE Department

## **ABOUT THE COLLEGE**

Nehru College of Engineering and Research Centre(NCERC), one of the premier and vibrant Technical Institutions in Kerala, was started in the year 2002 under Nehru Group of Institutions (NGI) which was established in 1968 by Late Shri P. K. Das. There are 21 Institutions under NGI offering multiple courses from various areas including Aeronautics, Engineering, Management, MBBS, Pharmacy, IT, Nursing, Arts and Science. NCERC is a ISO 9001:2015 certified institution affiliated to A P J Abdul Kalam Technological University and approved by All India Council for Technical Education (AICTE).It is also accredited by NAAC .It offers 6 undergraduate and 4 Postgraduate programmes in Engineering, Computer Applications and Management. To make the students professionally worthy, the college has Institutional membership of professional societies such as IEEE, ISTE, CSI, IE(INDIA), ISTD, AIMA, SEEM etc. to strengthen the values of the Institute and its Students.

College campus is located on the northern slopes of Thiruvilwamala, which merges with the banks of the holy river Nila. This undulating terrain of 40 acres with lush green vegetation is continuously swept and hugged by the gentle northern breeze that brings the purity, serenity and sweetness of the river Nila. This picturesque location shall linger nostalgically in the minds of anybody visiting this beautiful area. Endowed with an enchanting and breath-taking topography, lush green natural vegetation, virgin land, pollution free atmosphere, moderate temperature, plentiful of nectar like fresh water and salubrious climate, this is a sought after place for healthy life, clear thinking and pleasant learning pursuits.

## **ABOUT THE DEPARTMENTS**

As most electrical systems are automatically controlled nowadays, Electrical & Electronics Engineering branch is of considerable importance in present day industrial systems. Emphasis is placed on a thorough exposure to fundamental subjects like Basic Electrical Engineering, Electromagnetic Field Theory and Control Systems. Detailed studies in Electrical Machines, Power Systems, Microprocessors and Microcontrollers are also undertaken. Finally an exposure is given to Power Electronics, Industrial Drives and Instrumentation Systems. Students have an option to choose a range of electives from VLSI Design to High Voltage Engineering. Industrial study visits and seminars are an integral part of the programme. EEE department runs one PG program on Energy Systems, which is of great relevance in national development through energy management.

The Department of Computer Science and Engineering was established in the year 2002 with the mission to educate students from all over India, including those from rural areas, so that they become enlightened individuals, improving living standard for their family, industry and society. The Department emphasizes close interactions between the students and the faculty members who are dedicated to education and actively engaged in participation that enriches the educational programs. INFOSYS CAMPUS CONNECT PROGRAM is one among the prominent industrial relation program maintained since few years. And the Campus is upgraded to advanced level INFYQ by the Infosys. The Department offers B.Tech in CSE, M.Tech in CSE and MTech in Cyber Security.

## **ABOUT THE PROGRAM**

The most crucial change agents in the process of developing young entrepreneurs are the teachers with adequate skills, knowledge & information in the area of entrepreneurship. The programme is designed to train & develop trainer-motivators among the teachers so that, they can act as resource persons in guiding & motivating the young students to take up entrepreneurship as their career.

## **OBJECTIVES OF THE PROGRAM**

- To enable the teachers to guide, motivate and counsel the students towards entrepreneurial career.
- To expose the teachers to the entrepreneurship development process and equip them to develop Vision, Strategy & Structure for Entrepreneurship Development Activities in their colleges.
- To Enhance & develop requisite skills in teachers to introduce Entrepreneurship oriented course in their colleges and take up Research & Consultancy in Entrepreneurship.

## **COURSE OUTLINE**

1. Creativity
2. Innovation
3. Entrepreneurship – Concept & Present Scenario
4. Interface with successful entrepreneurs
5. Product Development

## **ELIGIBILITY AND FEE:**

Teachers of Science & Technology Colleges/ Institutions, persons from organizations engaged in entrepreneurship development.

Fee -NIL

## **SELECTION PROCESS:**

- Maximum participants allowed as per norms: 250
- Selection basis: First come first serve
- Intimation: By e-mail

## **DATES TO REMEMBER**

FDP Date: June 29<sup>th</sup> to July 3<sup>rd</sup> 2020

Last date for online submission: 27<sup>th</sup> June 2020

## **HOW TO APPLY?**

Application forms in the prescribed format duly filled up in all respects should reach the coordinator on or before the last date. Apply online through the link provided below:

<https://tinyurl.com/y9l7dt3e>