

## ABOUT THE INSTITUTION

Dr.N.G.P. Institute of Technology was established in 2007. The College has been affiliated to Anna University, Chennai, approved by the All India Council for Technical Education (AICTE), New Delhi, recognized by UGC under section 2(f) and accredited by NAAC and NBA for five departments. The Institution aims to develop and implement a comprehensive human resources plan to include recruitment, professional development, retention and succession plans that attract qualified staff and faculty and ensure that they remain current in their respective roles and disciplines.

## ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was established in the year 2007. The department has been producing consistently illustrious engineering graduates of high calibre who occupies prestigious place in academic and industrial fields. The Laboratories are well equipped with modern training facilities to nurture the inclination of the students towards the standard set by the competitive syllabus and practical knowledge. The Department has various Industry collaborated centers and MOU signed with Texas Instruments, National Instruments, UTL Technologies which aids the students to meet the global challenges of the Engineering Industries.

## VISION

To develop professionally competent Electronics and Communication Engineers with sound technical knowledge and skills for contributing global societal needs.

## MISSION

**MD1:** Facilitating the students with profound technical knowledge and quality contemporary education through effective teaching learning process for a successful career.

**MD2:** Nurturing experiential learning through collaborative interaction with industry and professional organizations.

**MD3:** Promoting collaborative-scientific and socially relevant research in the thrust areas of Electronics and Communication Engineering.

**MD4:** Attaining professional excellence with well-equipped laboratories and industry driven skill development programs.

**MD5:** Inculcating ethical, moral and healthy professional practices for societal benefits.

## ABOUT THE WI-FI CONTROLLED ROBOTICS WORKSHOP

In this workshop, students will build a Wi-Fi Controlled Robot that can be operated remotely via a smartphone using Wi-Fi. The robot is connected to the internet with the help of ESP 8266 Wi-Fi module and can be controlled through a smartphone. You will learn about Networking, Wireless Communication, and Arduino Programming as part of this project.

## ABOUT THE ROBOTICS WORKSHOP & CHAMPIONSHIP – 2019

**ROUND 1 : 2-DAYS ROBOTICS WORKSHOP** WILL BE ORGANIZED BY **ROBOFEAST-2019** AT ZONAL CENTER (Dr.N.G.P. INSTITUTE OF TECHNOLOGY).

**ROUND 2 : PRELIMS ROUND OF “ROBOTICS CHAMPIONSHIP-2019”** WILL BE HELD JUST AFTER THE COMPLETION OF **ROBOTICS WORKSHOP** AT ZONAL CENTER.

**ROUND 3 : WINNERS OF ZONAL CENTER GET A WILD CARD ENTRY IN THE FINAL OF ROBOTICS CHAMPIONSHIP (ROBOFEAST-2019) ON MARCH 2019 AT IIT-RORKEE.**

## 2-DAYS WORKSHOP OUTCOMES

- Design and Build a Wi-Fi Controlled Robot
- Hands-on experience with Arduino and Arduino Programming
- Concepts & application of Wireless Networking
- Learn about ESP8266 Wi-Fi Module
- Get hands-on experience on Arduino, Wireless Technology, ESP8266 Wi-Fi Module & Motor Drivers

## BENEFITS TO THE PARTICIPANTS

- Hands on Wi-Fi Controlled robotics Experience.
- Certificate of Participation to all Participants from RoboFeast.
- Merit Team will get an opportunity to participate in Robotics Championship in RoboFeast.

  
**TWO DAYS NATIONAL LEVEL  
WORKSHOP CUM CHAMPIONSHIP  
ON  
“Wi-Fi CONTROLLED ROBOTICS”  
FEB 6 & 7 - 2019**



Organized by  
Department of Electronics and Communication Engineering



**Dr.N.G.P. INSTITUTE OF TECHNOLOGY**

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai and Accredited by NAAC & NBA (BME,CSE,ECE,EEE & MECH))  
Kalapatti Road, Coimbatore – 641048, Tamilnadu  
Website : [www.drngpit.ac.in](http://www.drngpit.ac.in)

### IMPORTANT DATES

Last date for receipt of filled application : **01.02.2019**  
Selection notification through E-mail : **02.02.2019**

### REGISTRATION FEES

#### **STUDENTS : ₹ 1500/- PER PARTICIPANT**

(The fee includes training, certification, and Event registration, Free Kit to each team of 5 members)

A maximum of 60 participants are permissible on the first come first serve basis. The participants shall pay their registration fee through a Demand Draft drawn in favour of **"The Principal, Dr.N.G.P. Institute of Technology, Coimbatore"** payable at Coimbatore. No spot registration will be allowed.

**The duly filled application forms along with DD should be sent to:**

#### **THE CONVENOR**

Department of ECE,  
Dr.N.G.P. Institute of Technology,  
Kalapatti road,  
Coimbatore – 641048.

**Contact No : 8148361129,979150434**

**E-Mail : dhivya@drngpit.ac.in**

**nithyadevi@drngpit.ac.in**

### ACCOMMODATION

Accommodation will be provided in the institution campus on request with nominal charge. No travelling allowance will be provided.

### ORGANIZING COMMITTEE

Dr. Nalla G Palaniswami  
Chairman,  
KMCH

Dr. Thavamani D Palaniswami  
Secretary,  
Dr. N.G.P. Institute of Technology

### PATRON

Dr. O.T. Buvaneshwaran  
Chief Executive Officer,  
KMCRET

Dr. K. Porkumaran  
Principal,  
Dr. N.G.P. Institute of Technology

### CONVENOR

Dr. K.Gayathri Devi  
Head of the Department – ECE,  
Dr. N.G.P. Institute of Technology

### COORDINATORS

Dr. M.Dhivya  
Associate Professor,  
Dept. of ECE,  
Dr. N.G.P. Institute of Technology

Ms. S. Nithya Devi  
Assistant Professor,  
Dept. of ECE,  
Dr. N.G.P. Institute of Technology

DEPARTMENT OF ECE  
Dr.N.G.P. INSTITUTE OF TECHNOLOGY  
COIMBATORE – 641048

**TWO DAYS NATIONAL LEVEL WORKSHOP  
CUM CHAMPIONSHIP  
ON  
"Wi-Fi CONTROLLED ROBOTICS"  
(FEB 6 & 7 - 2019)**

### **REGISTRATION FORM**

Name (in Block Letters) : .....

Designation : .....

Department : .....

Name of the Institution: .....

Address:.....

.....

.....

E-mail : .....

Mobile : .....

Accommodation Required : Yes / No

### **DETAILS OF REGISTRATION**

Amount : .....

DD No. & Date : .....

Name of issuing Bank : .....

I hereby declare that all the details furnished by me are true.  
I agree to abide by the rules and regulation governing  
the programme.

Place :

Date:

Signature of the Participant