

ABOUT TSEC

Thadomal Shahani Engineering College (TSEC) is an 'A' Grade Institute managed by Hyderabad (Sind) National Collegiate Board and approved by the All India Council for Technical Education (AICTE), affiliated to the University of Mumbai. Four programs of the college are accredited by National Board of Accreditation. TSEC is constantly identifying and developing new and nascent technologies such as Artificial Intelligence, Machine Learning, Deep Learning and Block Chain Technology, for enhancing the student learning and growth.

ABOUT DEPARTMENTS

➤ The Department of Electronics and Telecommunication started in the year 2002 with a clear view of forerunner in the field of Telecommunication.

➤ At the desktop of achievements of the department, lies the award of accreditation given by the National Board of Accreditation during 2008 – 2011 and re accreditation from 2016 to 2019. The department has also started PhD. with an intake of 10 students from the academic year 2014-15.

➤ The curriculum of the program has been designed to cater to the ever changing needs and demands of communication industry.

ABOUT COURSE

➤ The course will cover the hands-on practicals of subject "Internet of Things", as per revised syllabus of ETXC, Semester III to Sem V.

RESOURCE PERSONS

- Er. Manoj S. Kavedia
- Dr. ManiRoja Edinburgh

COURSE CONTENTS

- ❖ Introduction to Internet of Things
- ❖ Basic of Arduino , Node MCU , Raspberry Pi , MSP430 , STM32
- ❖ How to Install and configure IDE/Python for Different boards
- ❖ Basic Sensor and Actuators
- ❖ Introduction Simulation software like Tinkercad and Proteus
- ❖ Interfacing Sensor and Actuator with different boards
- ❖ Interfacing Sensor/Actuator with Board and Cloud
- ❖ Interfacing Sensor/Actuator with Board and Blynk App
- ❖ How to Make Node MCU as Local Server and Control using Webpage
- ❖ Machine to Machine Communication using Rpi and Telegram
- ❖ Project based on the Topics covered.

REGISTRATION FEES

- ❖ **Rs. 500/-** (Incl. of course material and E-certificate For TSEC)
- ❖ **Rs. 750/-** (Incl. of course material and E-certificate For Others)
- ❖ **Last Date of Registration: 09/07/2022**

Registration Form : <https://forms.gle/KEiAyANoBQPbXpXu6>

BANK DETAILS TO PAY THE FEES

Bank Name: Axis Bank Ltd.
Account Name: Thadomal Shahani Engineering College
Account Number: 028010100242325
Account Type: Saving Account
IFSC Code: UTIB0000028

Google Pay No.: 9702868662

CO-ORDINATORS

➤ **Er. Manoj. Kavedia**

E-mail: manoj.kavedia@thadomal.org Contact: 8329988738

➤ **Ms. Uttara Bhatt**

Email: uttara.bhatt@thadomal.org Contact: 98704 21118

Note:

- E-Certificate will be issued to the participants with 80% Attendance and scoring 60% of marks in test
- Kit and Tools will be Provided for hands on in college



THADOMAL SHAHANI ENGINEERING COLLEGE

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

&

**UNDER THE GUIDANCE OF TSEC-IQAC
IN ASSOCIATION WITH TSEC - IIC**

IS ORGANIZING

**ONE WEEK SUMMER INTERNSHIP
TRAINING PROGRAM**

on

“Internet of Things”

Duration: 11th – 16th July, 2022

Convener

Dr. G. T. Thampi

Co-Conveners

Er. Manoj S. Kavedia Ms. Uttara Bhatt

Dr. Maniroja Edinburgh



**Address: Adv.Nari Gursahani Marg TPS III, off Linking road
Bandra(W) Mumbai-400050.**