

2025-26 | One Day Hands-on Workshop



UKA TARSADIA
u n i v e r s i t y

IoT using NodeMCU

Date: 27/03/2026

Trainers:

Prof. Chintan Panchal,

Prof. Pritesh Saxena

Asst. Professor, SCET, Surat.

Number of Students Participated: 19

**Department of Electronics & Communication Engineering/
Information and Communication Technology,
C. G. Patel Institute of Technology,
Uka Tarsadia University
Workshop Report
on
“IoT using NodeMCU”**

The workshop on the “IoT using NodeMCU” was conducted for the students of the Department of Electronics & Communication Engineering and Information and Communication Technology, CGPIT at Uka Tarsadia University on 27/03/2026.

The main objective of the one-day hands on workshop on “IoT using NodeMCU” is to make EC, Electrical and ICT Engineering students familiar with the latest and advanced software tools available for simulation and design implementation, to provide students a more practical approach, practical implementation of theoretical concepts and fundamentals into the field of Internet of Things, and also to make them prepare for industrial requirements and industry-based projects.

Total 19 students from Electronics and Communication, Information and Communication Technology and Electrical Engineering participated in hands on workshop on IoT using NodeMCU.

Workshop: IoT using NodeMCU

This interactive workshop covered:

- Introduction to Internet of Things.
- Introduction to NodeMCU ESP8266.
- Programming of NodeMCU.
- Practical Hands-on using NodeMCU.

Outcomes

Participants understand the fundamental concepts of Internet of Things, performs hands on practice and trouble shoot the problems while using a software model and carry out the project work using the same.

Glimpses of the sessions



Ongoing Session



Discussions with Keynote Speakers



Group photo session with students, key note speaker, director and faculty members



Felicitaton of Expert Prof. Chintan Panchal



Felicitaton of Expert Prof. Pritesh Saxena

— One Day Hands on Workshop on —

“IoT using NodeMCU”

— Organized by —

C.G. Patel Institute of Technology

Department of Electronics and Communication Engineering

— UKA TARSADIA UNIVERSITY —

Expert Details:



(1) Prof. Pritesh Saxena

Assistant Professor

Sarvajani College of Engineering and Technology, Surat



(2) Prof. Chintan Panchal

Assistant Professor

Sarvajani College of Engineering and Technology, Surat

Workshop Details:

 **Date:** 27th March 2026

 **Time:** 09:00 AM Onwards

 **Venue:** FDP Room, TIPA Cell, UTU

Workshop Highlight:

- Introduction to Internet of Things
- Introduction to NodeMCU ESP8266
- Programming of NodeMCU
- Practical Hands-on using NodeMCU



Concluding Remarks:

The one-day hands on workshop were successful and very informative. Students of EC, Electrical and ICT engineering interacted with the key note speaker very well and discussed the trouble shooting, questions and queries raised during the hands-on session and demonstration of the IoT based future scope and projects based on NodeMCU.