



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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<b>NAME OF THE EVENT</b>	Workshop on Topic - “ <b>NODE MCU</b> ”
<b>ORGANISED BY</b>	IEI student branch in association with Embedded & Robotics club, AJIET, Mangaluru
<b>DATE &amp; TIME</b>	07-12-2021, 9:30AM-5:00PM
<b>NAME &amp; DETAILS OF RESOURCE PERSONS</b>	<b>Mr. Mohammed Sadiq</b> founder & Technical Director, Tech Graylogix, Mangalore <b>Mr. Syed Ahmed Vaseel</b> embedded systems engineer, Tech Graylogix, Mangalore
<b>NAME OF THE CO-ORDINATORS</b>	<b>Mrs. Thrupathi Shetty, Mr. Raghavendra Havaldhar</b>

## PREAMBLE

The institute of Engineers (India) student chapter of AJIET in association with Embedded & Robotics club organized a workshop on 07-12-2021 about “**NODE MCU**” from 9:30AM-5:00PM. The main aim of the workshop was to give hands on experience to use the ‘**NodeMCU**’ development board. Workshop was conducted by resource person Mohammed Sadiq.

‘**NodeMCU**’ is an open-source electronics platform based on easy-to-use hardware and software. **NodeMCU** boards are able to read inputs, light on a sensor, or a finger on a button and provide a desired output, such as activating a motor or turning on an LED. You can tell your board what to do by sending a set of instructions to the microcontroller. Instructions to the Controller are written using Embedded C programming language (based on Wiring), and the Arduino Software (IDE), based on the type of board used.

**NodeMCU** development boards are also used by developers and hobbyist for creating projects and prototypes. The board has a vast collection of supporting libraries developed by open source users across the world. Learning this platform would help students to rapidly prototype and development their project. Keeping these facts in mind content of workshop was designed and delivered.

The Master of ceremony for the workshop was Ms. Geetha D, Student 3<sup>rd</sup> semester, ECE. The function started by welcoming the resource persons, Dr Shantharama Rai, C Principal, Dr. Rajesh Rai, Technical committee coordinator, Dr GnaneSwarnadh Satapathi, HOD, ECE. The master of ceremony introduced the resource persons. Principal addressed the participants.

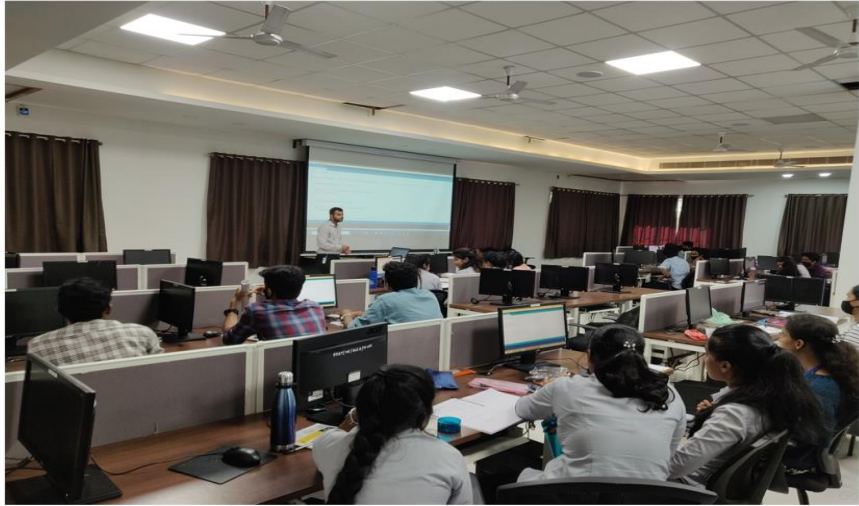
The morning session began with the Node MCU overview. The speaker gave brief insight on the Node MCU about what is node MCU used for ,what is MCU in node MCU, what is Node MCU in IOT,Is node MCU same as Arduino, how to program Node MCU. The speaker also covered Specifications and pin definitions and the advantages of Node MCU. The Speaker also explained some of the C programming codes like blinking of an LED, turning ON & OFF buzzer, Light sensor testing and switch testing.

In the afternoon session there was hands on session in which the students had to rig up the circuit and upload the program to Node MCU and get the output for blinking of LED,turning on & off their buzzer, light sensor testing and switch testing. The resource person made the session more interactive by clarifying the doubts of participants.

Vote of thanks was done by Geetha D, 3<sup>rd</sup> semester student, ECE. Resource person shared the experience with the students. Two Students shared their opinion about the workshop. Feedback from the participants was collected and We received a good response from the participants.

<b>Participants</b>	<b>34</b>
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# Photos



*Thrapthi*  
**Mrs.Thrapthi Shetty**  
IEI coordinator

*Rajesh Rai*  
**Dr.Rajesh Rai**  
Technical coordinator

*Shanthrama Rai.C*  
**Dr. Shanthrama Rai.C**  
Principal

