

## **OBJECTIVE:**

In recent years, science and technology has made remarkable progress in the field of Information Technology applications and continue to search for new techniques to meet the progressively increasing demands of IT thrust areas. This workshop aims to update the professionals working in the field of Machine learning , IoT and IoT Enabling Technologies on technical, economic and social aspects. The proposed workshop is an effort in the direction to provide a forum for the academicians, scientists, engineers, technologists, Stakeholders, students and persons from industry for mutual sharing of knowledge, expertise and experience. A large number of participants are expected to attend the workshop from all over the country.

## **COURSE CONTENTS**

- Introduction and Installation
- Node Red sample Flow For Embedded System Applications
- Data Analytics in Node Red enabling IoT Concentrating Solar Power (CSP)
- Dashboard Nodes and UI in Node Red
- Retrieving data from Local database (Excel) & storing data using Form UI
- Web Based Application (HTML) Form Creation & Submission in Node-Red
- Weather Report Analysis| Openweathermap Node in Node-red
- Knime Analytics Platform Installation
- Sales Analytics using Knime
- Case Study

## **TARGET AUDIENCE:**

Students, Faculty members and Research Scholars from academic institutes

## **EXPERTS**

Sessions will be conducted by senior and experienced faculty members from the various renowned institutes, eminent experts from research organization and industries working in this area.

## **REGISTRATION FEE DETAILS**

- Registration Fee: Rs.354/- (include 18% Service tax) per Participant.
- Registration fees include course materials and certificate.
- Fees can be remitted through Gpay (Ph no : 7845243520) or through Demand Draft for the registration fee must be payable at Perundurai drawn in favor of "**IIP Cell grant-in-aid A/C**"
- Registration Link : <https://forms.gle/zyuG8FbYCKAc74WZ6>

## **HOW TO APPLY**

The applicants should send the filled application and DD to us on or before 03.10.2021.

## **SCHEDULED DATES**

Last date for receipt of Applications : 03.10.2021  
Intimation of Selection : 06.10.2021  
Confirmation by participants : 08.10.2021

## **KONGU ENGINEERING COLLEGE (AUTONOMOUS) PERUNDURAI, ERODE- 638 060 TAMILNADU**

### **National Level Five days Workshop on “ Zero Coding : Data Analysis for IoT using Node-Red” (Online Mode)**

**(20.10.2021 to 24.10.2021)**

## **APPLICATION FORM**

Name :  
Course/Year :  
Organization :  
Gender :  
Age :  
Address for :  
Communication

Mobile Number :  
E-mail ID :  
Signature :

## **DD Details**

DD.No. :  
Amount :  
Date  
Bank Name :

## DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the Coordinator in case I am unable to attend the course.

Place:

Date: Signature of the Applicant

## SPONSORSHIP CERTIFICATE

Mr/Ms/Dr \_\_\_\_\_

is an employee of our Institute / Organization and is hereby sponsored. He/She will be permitted to attend the programme in full, if selected.

Place: Signature of the Sponsoring Authority

Date: Office Seal

Application form completed in all respects is to be sent to:

**Dr.M. Thangamani Ph.D.,**

Associate Professor

**Convener**

**Five Days National Level Workshop on  
“Zero Coding : Data Analysis for IoT using  
Node-Red”**

**(20.10.2021 to 24.10.2021)**

Department of IT

Kongu Engineering College

Perundurai, Erode-638 060, Tamilnadu

**Contact Mobile – 9715781007, 7845243520,  
9842571555**

**E-mail:manithangamani2@gmail.com.**

## ABOUT THE COLLEGE

Kongu Engineering College (KEC) established in 1984, approved by AICTE, New Delhi, accredited by NAAC for 5 years with the grade of “A” and an autonomous institution affiliated to Anna University Chennai, has completed 37 years of dedicated and excellent service in the field of technical education. The college offers 14 UG, 19 PG and 16 research programmes in Engineering and Applied Sciences. It is one of the best self financing engineering colleges imparting high quality technical education in Tamil Nadu, India, and is well-known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. Ranked 1st Position in Tamilnadu and 39th position at all India level by “Outlook” magazine, 3rd Position in Tamilnadu and 32nd Position in private Engineering colleges in India by “The Week” Magazine. Ranked 135th position in private Engineering colleges in India by NIRF ranking. It has an active Industry- Institute Partnership (IIP) Cell to interact with industries. Received Sustainable Institute Industry Partnership Award consecutively for two years (2014 & 2015) from the Institution in Society for Educational and Entrepreneurship Development, Chennai. It has got NBA accreditation for most of the UG programmes and is an ISO certified institution. It has also got the Best Engineering College award and the Best Principal Award from ISTE. It has established a Technology Business Incubator (TBI) supported by the Department of Science and Technology, Government of India, and won the National Award presented by the President of India on Technology Day in New Delhi. Kongu Engineering College has been awarded as the Most Clean Campus for the Year 2017 by AICTE.

## ABOUT THE DEPARTMENT

The Information Technology department occupies a prominent place in the chronicles of its academic history. The department has been consistently producing illustrious Engineering graduates of high caliber who occupy prestigious positions in the academic and industrial fields. The specialization of the faculty includes Artificial Intelligence, Machine Learning, Deep Learning, Intelligent Transportation Systems, Vehicular Ad-Hoc Networks, Mobile Ad-Hoc Networks, Sensor Networks, Computational Theory, Compiler Optimization, High Performance Computing, Human Computer Interaction etc. The department offers four year UG programme in IT and two year PG programme in IT. The department is also carrying out many consultancy activities like app and website development to many industries. IT Department of Kongu Engineering College has bagged the award under the category “Best Department of the Academic year 2018-2019”, on the annual function of our college day. .

## ABOUT THE LOCATION

The college is situated at Perundurai on the National Highway (NH 47) about 80 km from Coimbatore and 20 km from Erode.



**Five Days  
National Workshop  
On**

**“Zero Coding : Data Analysis for IoT  
using Node-Red”  
(Online Mode)**

**(20.10.2021 to 24.10.2021)**

**Coordinators**

**Dr.M. Thangamani**

Associate Professor/IT

**N. Adhithyaa M.Tech., (Ph.D),**

Assistant Professor /IT

**R. Aarthi M.E.,**

Assistant Professor /IT

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Department of Information Technology.  
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