

**One Day National Level Workshop
on
“Development of Embedded based
Applications using Arduino”**

14th October 2022

Registration Form

Name:.....

Qualification:.....

Designation:.....

Department:.....

Institution:

Mailing address:.....

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Phone:.....

Office:.....

Mobile:.....

Email:.....

Payment Details:

DD No:Date:.....

Amount:.....Bank:.....

Transaction ID Date:.....

Signature of Applicant

ORGANISING COMMITTEE

Chief Patron : **Dr. R. Vasanthakumar,**
Chairman & Managing Trustee,
Karpagam Educational Institutions.

Patron : **Shri. K. Murugaiah,**
Chief Executive Officer,
Karpagam Educational Institutions.

Chairman : **Dr. P. Vijayakumar,**
Principal.

Convener : **Dr.P.Karthigaikumar,**
Professor and Head,
Department of ECE.

CO-ORDINATORS

Ms. S.Malini, AP/ECE
Dr.S.Deepa, ASP/ECE

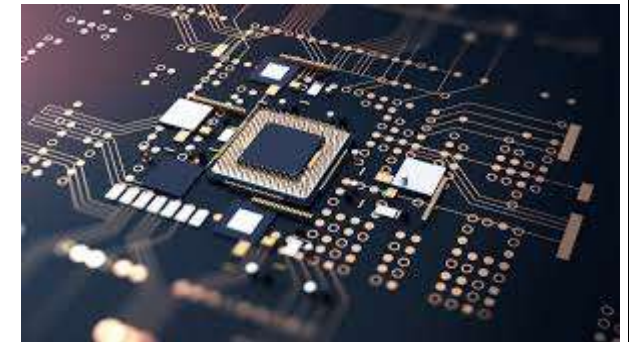
For further enquiries and communication,

Contact :

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Karpagam College of Engineering,
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**One Day National Level Workshop
on
“DEVELOPMENT OF EMBEDDED
BASED APPLICATIONS USING
ARDUINO”**



14th OCTOBER 2022



in association with

Linumiz
Linux customizing for your needs

Organized by

Department of

Electronics and Communication Engineering

ABOUT THE COLLEGE

Karpagam College of Engineering was started in the year 2000, by Karpagam Charity Trust, promoted by renowned Philanthropist and Industrialist Dr. R. Vasanthakumar and has been conferred with autonomous status in the year 2007. The college offers ten Under Graduate Engineering programmes and five Post Graduates programmes and accredited by NAAC with 'A' Grade. The Institution aims to provide excellent learning facilities by imparting practical training, knowledge and skills to the youth. The college has signed MoUs with research organizations and industries to promote closer interaction in the areas of technology development, student training, curriculum updation and establishment of state-of-art-centers of excellence.

ABOUT THE DEPARTMENT

The department has experienced and qualified faculty members, well equipped laboratory such as DSP lab, Communication and Microwave Engineering Lab, LIC / Digital Lab, VLSI Design Lab, Networks and Simulation and Electron Devices Lab with availability of latest and updated version of software package. The department has also promoted different centre of excellence for MEMS Research and Development (CMRD) , Centre for Signal Processing Research and Development (CSPRD), Centre for Embedded system Research and Development (CESRD), Centre for Image and Video Processing Research and Development (IBRD), Centre for Research Communication and Wireless Network (CRCWN) and

Centre for VLSI Design and Development (CVDD) for developing research activities in the field of Electronics and Communication Engineering.

OBJECTIVE OF THE WORKSHOP

The main objective of the workshop is to provide the participants an immense knowledge on the embedded applications based on Arduino UNO. The workshop will be helpful for the students for undertaking the projects. The Arduino board mainly supports from controlling a robot to manage a home automation project and plenty besides. Simply Arduino is a micro-controller. Which is used as the brain of the robot. It can be programmed to control the way buttons, motors, switches, lights, and other electronic parts work together. Arduino hands-on make the students to do their projects by their own. Arduino software provides easy programming experience for students with different levels of skills, making it good for beginners. Students can start coding immediately with Arduino IDE and use simple-one click mechanisms to compile and upload programs to an Arduino board.

KEY CONTENTS OF THE WORKSHOP

- Introduction to Arduino UNO board
- Exploring the features of Arduino IDE
- Interfacing various sensors and I/O devices with Arduino
- Basics of IoT
- Arduino kit will be given and hands-on session will be provided
- Demo session on IoT using Arduino through Firebase server

HOW TO APPLY

- First Come First Serve basis.
- Once the payment done, kindly fill the google form

<https://forms.gle/EqNsXGHTbwAEnLwj7>

PARTICIPANTS

- Research Scholar and Students
- Faculty Members

IMPORTANT DATES

Last date for registration : 12.10.2022

Intimation of acceptance : 13.10.2022

REGISTRATION FEE

All Category: Rs. 300/-

PAYMENT

The registration amount to be transferred to the following account details

Account Number : 170002000000919

IFSC CODE : IOBA0001700

Name of the Bank : Indian Overseas bank

VENUE

E block – Embedded Systems Lab