One Day National Level Workshop
on
"Industrial Robotics- MOTOSIM EG"

13th October 2022

Registration Form

Name:.....

Qualification:.....

Designation:.....

Department:.....

Institution: .....

Mailing address:.....

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Phone:.....

Office:.....

Mobile:.....

Email:.....

Payment Details:

Transaction ID :..... **Date:**……..

Amount :.....

Bank :.....

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. L.Saranya, AP/ECE
Dr.C.Priya, ASP/ECE

For further enquiries and communication,

Contact :

Ms.L.Saranya

Asst. Professor/ECE,

Karpagam College of Engineering,

Coimbatore - 641 032.

Phone : 0422– 2619005

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Mobile :9787865982,9600740518

Website: www.kce.ac.in

KARPAGAM
COLLEGE OF ENGINEERING
Rediscover | Refine | Redefine
Coimbatore - 641 032
Accredited by NAAC with 'A' Grade
Autonomous I Affiliated to Anna University
(An ISO 9001:2016 and ISO 14001:2015 certiifed Institution)

One Day National Level Workshop
on
"Industrial Robotics- MOTOSIM EG"

13th OCTOBER 2022

in association with

STEPS

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 motivate the participants to aim on advancements in Industrial Robotics- The Future. An industrial robot commonly refers to a robot arm used in a factory environment for manufacturing applications. Traditional industrial robots can be classified according to different criteria such as type of movement (degrees of freedom), application (manufacturing process), architecture (serial or parallel) and brand. These robotic arms can have a multitude of sensors and vision systems capable of viewing images to aid with their computer-based control. Industrial robots and automation are an important part of the manufacturing of most products produced in today's world. This workshop aims to travel around with the recent growth and development on Industrial Robotics. The hands-on session will be an 'eye-opener' to all the participants which can bring out the computational skills which is required for Industrial Robotics to implement in their project related activities.

KEY CONTENTS OF THE WORKSHOP

- Introduction to Industrial Robotics and types
- Anatomy of Industrial Robotics
- Application of Industrial Robotics
- Introduction to Motosim EG
- Application Development of 3D object Tracking
- Different types of interpolation
- Teaching for 2D object using different type of interpolation
- Industrial application development

HOW TO APPLY

- Send the registration form available in this brochure along with DD to the convener
- First Come First Serve basis.
- No Spot registration & Registration is restricted to 30 Participants.

PARTICIPANTS

- Research Scholar and Students
- Faculty Members

IMPORTANT DATES

Last date for registration : 06.10.2022

Intimation of acceptance : 08.10.2022

REGISTRATION FEE

All Category: Rs. 250/-

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-PROJECT/NETWORKS LABORATORY