

Declaration

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

Place :

Date :

Signature of the Applicant

Sponsorship

Mr. / Ms.....
is working / studying in our Institution / Organization and his / her application is hereby sponsored / forwarded for attending the above Seminar. The applicant would be permitted to attend the Seminar, if selected.

Place :

Date :

Seal :

**Signature of the Principal /
Head of Department**

ABOUT THE COLLEGE

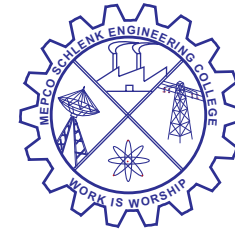
- ★ Mepco Schlenk Engineering College, Sivakasi (Autonomous), a leading self financing technical institution started in 1984 is affiliated to Anna University, Chennai.
- ★ All the engineering programmes have been accredited by the National Board of Accreditation (NBA), New Delhi under Tier I Category.
- ★ Accredited by the National Assessment and Accreditation Council (NAAC) with A Grade.
- ★ Received ISO 9001:2015 certification for Educational Services from M/s.DNV, Netherlands.
- ★ Selected as a Centre of Relevance and Excellence (CORE) in Industrial Safety and was inaugurated by Dr.A.P.J.Abdul Kalam.
- ★ Won the 2009 IMC Ramkrishna Bajaj National Quality Trophy and 2008 IMC Ramkrishna Bajaj National Quality Performance Excellence Award in the Education Category.
- ★ Ranked at 29th position among National Level Engineering Colleges including IITs, NITs, by Outlook Survey, May 2018.
- ★ Ranked at 36th position in "Top 100 Private T-Schools-2017" among all Technical Institutions in India by Data Quest Survey, June 2017.
- ★ Ranked 88th among all Engineering Colleges and Universities in India in the NIRF Survey released by MHRD for the year 2019.
- ★ All departments are recognized as research centre for pursuing Ph.D. / M.S. by Anna University, Chennai.
- ★ Undertaken 119 sponsored Research Projects, worth of more than Rs.13 crores from IGCAR, ISRO, DRDO, CSIR, DST, AICTE, TNSCST, MNES, MSME, BRNS, ARDB, MEPCO etc.,

ABOUT THE DEPARTMENT

- ★ The Department of Electronics and Commn. Engineering offers B.E. (Electronics and Commn. Engineering) since 1984, M.E. (Communication Systems) since 1997 and M.E. (VLSI Design) since 2012.
- ★ Has consistently maintained high level of academic and research standards.
- ★ Has undertaken 32 research projects funded by AICTE, ISRO, DRDL, DRDO, ADE, MSME, NI and Armament Research Board .
- ★ Recognized as research centre for pursuing Ph.D / M.S. by Anna University, Chennai.
- ★ Accredited by NBA with highest grade since 1998.
- ★ Established Mepco-Agilent R & D Centre of excellence in RF Circuit & Antenna Design.
- ★ Established 6 R & D Centres including Centre for Bio-Medical Signal Processing with the provision for free downloadable Biometric Database at <http://biometric.mepcoeng.ac.in/mepcobiodb/index.html>

Three Days Workshop on Hands-on Training on Design of Robots & its Applications (DeRoA-19)

May 16 – 18, 2019



Convener

Dr.R.Shantha Selva Kumari

Co-ordinators

Mr.M.Arun

Mr.J.Dani Reagan Vivek

eYantra

Organized by

IITB-eYantra Robotics Centre and

**Department of Electronics and Communication Engineering
MEPCO SCHLENK ENGINEERING COLLEGE, SIVAKASI (AUTONOMOUS)**

Mepco Engineering College Post - 626 005

Virudhunagar District, Tamil Nadu

Phone: 04562 - 235000

Fax: 04562 - 235111

E-mail : msec@mepcoeng.ac.in

Web : www.mepcoeng.ac.in

About the Workshop

Robotics is a multi-disciplinary subject with roots in electronics, computer science and mechanics. Robotics focuses on the process of learning linked with actions. It plays a vital role in engineering education as an interdisciplinary and intellectual science model. In the last decade the robotics industry has created millions of jobs and by 2020, robotics will be a \$100 billion worth industry.

Mobile robots are robots which have the capability to move around in the environment and are not fixed to one physical location. Mobile robots have become more commonplace in commercial and industrial settings. The components of a mobile robot are a controller, control software, sensors and actuators. The controller is generally a microprocessor, embedded microcontroller or a personal computer (PC). Mobile control software can be either assembly level language or high-level languages such as C or special real-time software. The sensors used are dependent upon the requirements of the robot.

This workshop focuses on programming and controlling the Firebird V mobile robot. Firebird V robot has Atmel ATMEGA2560 as Master microcontroller and Atmel ATMEGA8 as Slave microcontroller. ATMEGA2560 microcontroller contains PWM Channels, Inbuilt ADC, SPI, USART, Watchdog timer and RTC etc. These features make it an excellent platform for prototyping and implementing various real time applications. Also the workshop aims to introduce Raspberry Pi architecture and programming for designing robots. Raspberry Pi is a small and affordable computer with powerful ARM processor that can be used to for various applications ranging from robotics to IoT. Eminent resource persons will be handling the sessions.

The Workshop topics include

- Introduction to Firebird V
- Sensors reading and basic program structure
- Mobile robot control basics
- Line following & Obstacle avoidance robot
- Introduction to Raspberry Pi
- Raspberry Pi Programming
- IoT application with Raspberry Pi

LOCATION

The College is located at about 60 km from Madurai, the Temple City. The nearest railway station is in Virudhunagar. The College is situated midway between Virudhunagar and Sivakasi road. It is about 16 km from Virudhunagar and 11 km from Sivakasi. Buses ply between Virudhunagar and Sivakasi via MEPCO Schlenk Engineering College.

PARTICIPANTS

Eligibility: Faculty / UG / PG Students / Research Scholar from Engineering Colleges, Polytechnic Colleges, Personalities from Industries and R&D organizations having specialization in ECE / EEE / CSE / IT / MCA.

REGISTRATION FEE

S.No.	Category	Without Accommodation
1.	Faculty / UG / PG Students / Research Scholar	Rs.800/-
2.	Industry	Rs.1000/-

ACCOMMODATION DETAILS

In-campus accommodation will be provided to the participants on request. Accommodation Fee : Rs.100/- per day.

MODE OF PAYMENT

Demand Draft drawn in favour of "Mepco Schlenk Engineering College" payable at Sivakasi.

SCHEDULED DATES

Last date for Receipt of Applications : 06.05.2019
Intimation of Selection (By E-mail) : 07.05.2019
Confirmation of participation by the applicants : 08.05.2019

Completed Application Form with DD shall be mailed to:

The Convener
Hands-on Training on Design of Robots and its Applications
Dept. of Electronics and Communication Engineering
Mepco Schlenk Engineering College, Sivakasi (Autonomous)
Mepco Engg. College Post - 626 005
Virudhunagar District, Tamil Nadu

Phone : 04562 - 235434, 9789327999, 9488068863
Fax : 04562 - 235111
Email : deroa2019@mepcoeng.ac.in

MEPCO SCHLENK ENGINEERING COLLEGE, SIVAKASI (AUTONOMOUS)

Three Days Workshop on

Hands-on Training on Design of Robots & its Applications (DeRoA-19)

May 16 - 18, 2019

APPLICATION FORM

1. Name (in Block Letters) :
2. Designation :
3. Organisation :
4. Address for Communication :
- Phone No. (With STD code) : (Off.).....
(Res.).....
- Mobile :
- Email ID :
5. Is Hostel Accommodation required : YES / NO
6. DD No. : Date :
Amount : Bank :

7. Educational Qualification

	Specialization	Year
U.G.		
P.G.		
Ph.D.		

8. Professional Experience

- Teaching : years
Industry : years