

# The Robotics Society



Sponsored

## Two-Day National Level Workshop on Autonomous Mobile Robot Localization & Navigation Using ROS Platform

23-24 November 2022

### Registration Form

(To be filled in block letter)

Name : .....

Department : .....

Gender : Male / Female

Designation : .....

Organization : .....

Address for Communication: .....

.....

.....

Mobile : .....

Email id : .....

Accommodation Required: Yes/No

Demand Draft Details:

DD No & Date : .....

Amount : .....

Bank Name : .....

Date:

Signature

### ORGANIZING COMMITTEE

Chief Patron

**Shri. D.Lakshminarayananaswamy,**  
Joint managing Trustee

Patron

**Dr.N.R.Alamelu**  
Principal

Chair Person

**Dr.A.Murugarajan**

Professor & Head

Department of Robotics and Automation

Coordinator

**Dr.A.Kishore Kumar**

Assistant Professor

Department of Robotics and Automation

Sri Ramakrishna Engineering College

Vattamalaipalayam, NGGO Colony Post,

Coimbatore-641022, Tamilnadu

Mobile: 9894847519

Email: kishorekumar.a@srec.ac.in

# The Robotics Society



Sponsored

## Two-Day National Level Workshop on Autonomous Mobile Robot Localization & Navigation Using ROS Platform

23-24 November 2022

Organized by

**DEPARTMENT OF  
ROBOTICS AND AUTOMATION**



**SRI RAMAKRISHNA ENGINEERING COLLEGE**

(An Autonomous Institution)

Approved by AICTE, Affiliated to Anna University,

Chennai, Reaccredited by NBA, Reaccredited with

'A+' Grade by NAAC, Vattamalaipalayam,

NGGO Colony Post,

Coimbatore-641022

Website: [www.srec.ac.in](http://www.srec.ac.in)

Phone No: 0422 - 2460088, 2461588

## ABOUT THE INSTITUTION

Sri Ramakrishna Engineering College (SREC), Coimbatore established in the year 1994 by SNR Sons Charitable Trust has grown into an eminent institution in Tamilnadu with an objective to impart diversified technical education, creating successful technocrats to meet the global challenges. SREC is re-accredited by NAAC with 'A+' grade and Seven of the B.E/ B.Tech programmes have been accredited and re - accredited by National Board of Accreditation, New Delhi, since 2003. A very good research culture exists in the campus with an average annual funding of Rs. 3.4 crore from various funding agencies - AICTE, DST, CSIR, DRDO etc., The institution is also funded through DST- FIST and DST- INSPIRE and DST- NST MIS. The departments are closely working with the industries -L&T, Bi-Metal Bearings, Roots Industries, Tech Mahindra and other companies on Consultancy.

## ABOUT THE DEPARTMENT

A four-year B.E. Degree on Robotics and Automation is launched in the silver jubilee year of the institution with an intake capacity of 60 students. L&T Technologies-Chennai, WIPRO-PARI and Craftsman Automation-Coimbatore are Industrial Knowledge partners for the programme. This programme focuses on the design, construction, operation and use of autonomous and robotic devices, as well as the computer systems necessary for their control, sensory feedback and information processing. Through project-based learning, design thinking, and inquiry learning, students will explore the processes and skills needed to design and fabricate physical devices that they will control or automate. Students are able to explore design of automation systems, mobile robotics and animatronics as well as traditional robotic devices.

## ABOUT THE ROBOTICS SOCIETY (TRS)

The Department is associated with The Robotics Society (TRS), India and started authorized TRS Student Chapter for promoting knowledge sharing activities in the area of Robotics.

## OBJECTIVE OF THE WORKSHOP

- To enhance and provide futuristic knowledge in the emerging areas of Autonomous Mobile Robots.
- To develop and promote research on Autonomous Mobile Robot Localization & Navigation in Automation Industries.
- To identify open problems and future challenges in the field of AMR's in Automation Industries by Integrating with ROS platform.
- To promote scientific information interchange between TRS student chapter members & researchers.

## FACULTY TRAINERS

The Sessions will be handled by Experts from reputed Institutions/Industries in the Robotics and Automation field.

## RELEVANCE & BENEFITS

Brief course contents that would be delivered to the audience are:

- Autonomous Mobile Robots (AMRs): Concepts and Applications
- Introduction to ROS (Robot Operating System)
- AMR Localization & Navigation Using ROS Platform
- Introduction and Implementation of SLAM
- Prospects & Challenges of AMRs in Automation Industries

## ELIGIBILITY

Students from AICTE approved Institutions Robotics/Mechatronics/Mechanical/ECE/EEE/EIE/ AIDS/CSE branches are eligible.

## IMPORTANT DATES

Last Date for Registration	: 19.11.2022
Intimation of selection	: 20.11.2022
Confirmation by Participants	: 21.11.2022

## BOARDING AND LODGING

Boarding and lodging will be provided to the participants in the college campus, on chargeable basis.

## REGISTRATION FEE DETAILS

Students (UG & P.G): Rs.500/-  
TRS Student Chapter Members: Rs.250/-  
Gpay Number: 9894847519

## REGISTRATION LINK



## ABOUT THE LOCATION

The college is located 14 KM from Gandhipuram Bus Stand / Railway Station. 4 KM from Thudialur.

## ADDRESS FOR CORRESPONDANCE

**Dr.A.Kishore Kumar**

Assistant Professor

Department of Robotics and Automation

Sri Ramakrishna Engineering College

Vattamalaipalayam, NGGO Colony Post,

Coimbatore-641022, Tamilnadu

Mobile: 9894847519

Email: kishorekumar.a@srec.ac.in