Self- sponsored Short term Training Program (STTP) in online mode on

Robotics and AI for Autonomous Robots
(ROBOAI 2024)
(February 26th -1st March 2024)

Organized by

Department of Mechanical Engineering
Sardar Vallabhbhai National Institute of Technology
Ichchhanath,
Surat-395007,
Gujarat, India

About the Institute

The institute, one of the pioneering engineering institutions of the country, was established in 1961 as Sardar Vallabhbhai Regional College of Engineering & Technology and was given the status of National Institute of Technology, in 2002. At present, there are six undergraduate courses, seven teen postgraduate courses, and Ph.D.programmes in all disciplines of engineering and applied sciences. It has an excellent placement record with a number of top-ranking companies visiting the campus. The whole campus has the connectivity of the internet with fiber-optic networks including faculty quarters and student hostels.

The institute is located at Surat, about 260kms north of Mumbai and is very well connected by rail and road links to Mumbai as well as Ahmedabad (250kms)/Vadodara (150kms).The institute is approximately 10kms away from Surat Railway Station. The leading industries like RIL, ONGC, Kribhco, L&T, ESSAR, NTPC, and GAIL are established in Surat-Hazira area.

About the Department

Department of Mechanical Engineering at SVNIT Surat established in 1961. Mechanical Engineering Department is one of the biggest departments of the institute. Several state-of-the-art research facilities is available in the department to support our academic programs and research. The Department is very well equipped with modern equipment and computational facilities which are being entertained by dynamic, energetic, trained and experienced faculties.

PATRON
Prof. (Dr.) Anupam Shukla
Director,
SVNIT

HEAD OF THE DEPARTMENT

Dr. A.A.Shaikh

COORDINATORS
Dr. R.Srilakshmi
Dr. Ram Singar Yadav
Dr. Susanta Behara

Program Objective

- ❖ Impart the knowledge in the field of Robotics and control.
- ❖ To train the faculty members, young scientists, research scholars, and postgraduate students of various organizations in the field of robotics and AI for robotics.

Topics to be Covered

- ❖ Forward kinematics and inverse kinematics
- ❖ Analyze the degrees of freedom of robotic manipulator using DH notations.
- ❖ Fundamentals of AI
- ❖ Pattern Recognition and Regression techniques
- ❖ AI techniques for Autonomous vehicles and aerial vehicles.
- ❖ Robotics for manufacturing
- ❖ Hands on sessions on simulation tools

Who should attend

Faculty members, research scholars, UG and PG students from other related departments, and technical staff from various industries looking to learn more about advancements in Robotics and AI techniques for robotics.

REGISTRATION FEES

Participants	Fees (in INR)	GST (in INR)	Total fee (in INR)
Students & Research Scholars	500	90	590
Faculty Members	700	126	826
Participants from Industry	1000	180	1180

IMPORTANT DATES

Last date for Registration: 20th February, 2024.

All the participants will receive the e-certificates after successful completion of the STTP.

Contact Details

Phone Numbers: Dr. Ram Singar Yadav Assistant Professor, 8317004716,
Dr. Susanta Bahera Assistant Professor, 6370207543,
Dr.R.Srilakshmi , Assistant Professor, 7036592846.
Email id: roboai.svnit@gmail.com

SPEAKERS

Resource persons are from reputed institutes such as IIT's, IIIT's, NIT's and Industrialists.

The non-refundable registration fees should be paid only by online transfer in account of:
A/C No: 37030749143
Name of A/C: Director, SVNIT- CCE Branch
Name: SBI, SVRCET Branch IFSCCode: SBIN0003320

REGISTRATION LINK

Registration can be done using the following link

https://forms.gle/XvTuPMojqXx2e7tg6

During the online registration process, the authentic payment receipt must be provided. The confirmation to the selected applicant will be intimated by February 23rd , 2024.