



About DIAT

Defence Institute of Advanced Technology is a premier Deemed University under the Department of Defence & Development, Ministry of Defence, Govt of India. DIAT is engaged in imparting technical education in niche areas at P G and PhD levels over the last 60 years in its various forms and capacities. The main focus of the institute is to evolve as an innovative unique teaching and research university to develop indigenous contemporary Defence related technologies.

Patron:

Dr. C P Ramanarayanan
Vice Chancellor, DIAT Pune

Technical Advisors:

Dr. S K Panigrahi, Dean (SR)
Dr. A. Kumaraswamy, Dean (SA)
Mr. Pratap (Mathworks)
Mr. Amit Raj(DesignTech)

Course Director:

Dr. D G Thakur (Director SoR)

Co-ordinator:

Dr. Soumya S (Asst. Professor)

Students Co-Ordinators:

Nilesh Motwani, Ph.D, SoR
Vibhu Sharma, M.Tech, SoR

School of Robotics

Defence Institute of Advanced Technology (DU)



Presents

3 Days Workshop on MATLAB for Robotics

23rd -25th Nov 2022

Advanced Robotics and Systems Lab

About Design Tech

DesignTech Systems is a leading CAD/CAM/CAE, PLM solutions, Additive Manufacturing technologies and Engineering Services provider from India. Having worked closely with companies from cross vertical domains from India and Overseas since 1998, DesignTech supplies technologies and Services at every stage of Product lifecycle.. DesignTech CAD Academy is a part of DesignTech Education division dedicated for imparting applications based trainings to students and industry professionals alike on CAD and PLM software to help them upgrade their skills and gain proficiency over the advanced product design software solutions. Catering to wide industry sectors such as Automotive, Aerospace and Defense, Industrial Machinery, Heavy Engineering, Consumer Goods and Electronics to Power and Energy, DesignTech is well equipped to make significant contributions and value additions in the engineering initiatives of the companies. Committed to providing seamless customer service and creating customer delight, DesignTech can make for an ideal Technology, Services and Training Partner for the corporates and industries.

Program schedule:

Time	Topic
Day1	
9.30AM-1.00PM	Introduction to Matlab , Simulink and Simscape
2.00-5.30 PM	Robot Manipulator Design
Day2	
9.30AM-1.00PM	Robotics Toolbox, Path Planning
2.00-5.30 PM	Matlab-ROS Interfacing
Day3	
9.30AM-1.00PM	Hardware Interfacing with MATLAB
2.00-5.30 PM	Hardware Interfacing with SIMULINK

Resource person:

Mr. Kunal Khandelwal
(Application Engineer
DesignTech Systems Ltd)

Mr. Pranav Lad
(Mathworks)



Expected attendees:

- DRDO Scientist
- DPSU Officers
- Faculty Members
- Ph.D Scholars
- M-tech Students

Registration Link: -
<https://forms.gle/8rK6dZAJUPpkpuxB7>

Last date for Registration: 21/11/2022