

Committee:

Patron:

Dr. C P Ramanarayanan
Vice Chancellor, DIAT Pune

Course director:

Dr. D G Thakur
Director School of Robotics

Advisory Committee:

Dr. Balasubramanian K.
Dean Academics

Coordinators:

Dr. Soumya .S
Dr. Pooja Agrawal

Organising Committee:

Prof. S K Panigrahi, ME
Prof. A Kumaraswamy, ME
Dr. Pankaj Sharma, Sc 'E', ME
Dr Sunil Chndel, Asso. Prof., ME
Dr. S Nimje, Asst Prof., ME
Ms. Prajakta Koratkar, SoR

Registration Details

Registration: Through ATAL Portal

Link:

Interested candidate can register (on or before 20.11.2021), there is no registration fee. The seats are limited to 200, candidate on first come first serve basis.

Certificate

The certificate shall be issued through ATAL portal to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test conducted at the end of the online FDP.

Eligibility of participation

The faculty members of the AICTE approved institutions, Research scholars, PG scholars, Participants from Govt. Sector, Industry.

Contact Details:

Dr.Soumya S
Email:soumya_s@diat.ac.in
Mobile:9446146797

Dr. PoojaAgrawal
Email:pooja_agrawal@diat.ac.in

AICET Training and Learning(ATAL) Sponsored

One week Faculty Development
Program on

ROBOTICS

22th -26th NOV 2021

Coordinators

Dr. Soumya S
Dr. Pooja Agrawal

Organised By



**School of Robotics
DIAT(DU),Pune**

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.

About the Department:

To bring the Advancements and multi-domain contents of the Robotics and automation field and to justify its interdisciplinary nature in a real sense, the School of Robotics is established at DIAT (DU) during 2021. The department offers core courses on Robot kinematics, Robot dynamics and control, Image processing , IIOT, Control systems, Robot path planning etc. The state of the art laboratory facility includes all the necessary component related build a robot. To test the robotics algorithms various mobile robotic platforms are also available like firebird, hexapod, ABB manipulator etc. The department regularly organizes webinars/workshops and conferences at national and international level.

About the Course:

Owing to the growing demand for robotics in various field such as Industry, space, Under water, service etc. The global market is looking for an updated technology to fill the gap in current scenario. The main objective of this FDP is to bridge between the basic knowledge on robotics and futuristic technology. The FDP acquaints faculties about the recent trends in robotics and automation. The FDP will cover various topics discussed by renowned faculties or Scientist from nationally reputed institutes or Research organization like IISc, IIT, NITs, IIIT and DRDO in the field of Robotics and its application.

Course Objective:

To enrich the participants with the knowledge on,

- Robotics Kinematics
- Under actuated Mechanisms,
- Robot Control
- Mobile Robot Navigation,
- Path Planning,
- Computer Vision
- Underwater Robots,
- Humanoid Robots,

- Advances in Robotics,
- Study of Simulation

Tentative Speakers:

- ✓ Dr.S E Talole Sc'G' DRDO R&D(E), Pune
- ✓ Dr. Bidyadhar Subudhi, Professor, IIT Goa
- ✓ Dr. Prasad Krishna, Professor, NITK Surathkal.
- ✓ Dr.Shishir Kolathaya, Assistant Professor IISc, Bangalore.
- ✓ Dr.Shital Chiddarwar, Associate Professor, VNIT Nagpur.
- ✓ Dr.K R Guruprasad,Associate professor, NITK Surathkal
- ✓ Dr.Sinnu Susan Thomas, Assistant Professor, IIITM Kerala.
- ✓ Dr. Ranjith Ravindranathan Nair, Assistant professor, IIIT Pune
- ✓ Dr. Pooja Agrawal, Assistant Professor DIAT(DU),Pune
- ✓ Dr.Soumya S, Assistant Professor DIAT(DU),Pune
- ✓ Dr. Harikumar Kandath, Assistant Professor, IIIT Hydrabad.
- ✓ Industry Speakers