ABOUT THE INSTITUTE

National Institute of Technology Puducherry (NITPY) situated in 258 acres near village Poovam in Thiruvettakudy, Karaikal, is one of the thirty-one National Institutes of Technology. NIT Puducherry was sanctioned by the Government of India in 2009, as part of the Eleventh Five-Year Plan (2007–2012). National Institute of Technology Puducherry (NITPY), nestled in the scenes of Karaikal, a coastal enclave in the basin of river Kaveri, is one among the ten new NITs in the Union Territory of Puducherry. NITPY is committed to produce effective and responsible technocrats who have the ability to serve the nation on its journey to growth and prosperity. The institute provides keen guidance in terms of experienced and expert faculties as well as facilities to sculpt the bright minds into professionally balanced individuals, capable enough to take up challenges of nature, of society and of the marketplace. The institution is at a constant attempt of making endeavors to scale new heights by developing a synergy between studies, research, and consulting/training activities.

ABOUT THE DEPARTMENT

Department of Mechanical Engineering was established in July 2014 with an undergraduate (B.Tech) Program and currently offering PhD program . Dedicated faculty members with expertise in diverse domains of mechanical engineering such as Industry 4.0, Smart Manufacturing, Ergonomics, Design Automation, Energy Engineering, Thermal and Fluid Sciences, which contributes to the department knowledge hub. The department facilitates active industrial projects for students such as IGCAR Kalppakam, Pondicherry Power Corporation Limited Karaikal, etc. With this, the students are made aware of current technologies, innovations and the necessity of industrial collaborations as well as addressing the real world problems. The department also encourages students to participate in sports, cultural activities, co-curricular activities to improve their professional skills and groom them as a all-rounder personalities.

OBJECTIVE OF THE FDP

The objective of the FDP is to inculcate the knowledge on Industrial robots, their applications in manufacturing systems. The session are designed to enrich the knowledge on recent developments in the advanced topics (Human Robot Interaction, Augmented Reality for Industrial Robots, Robotic Cell design and Optimization, Sensors Fusion, Intelligent and Autonomous Robots for Manufacturing applications, Safety and maintenance guidelines) by eminent experts in Robotics domain.

THE SESSION SPEAKERS

Prof. K Sankaranarayanasamy, NIT Puducherry
Dr. P B Sujit, IISER Bhopal
Dr. Biranchi Panda, IIT Guwahati
Dr. B B V L Deepak, NIT Rourkela
Dr. N Sendhil Kumar, NIT Puducherry
Dr. A Johnney Mertens, NIT Puducherry
Dr. M V A Raju Bahubalendruni, NIT Puducherry
Dr. N M Sivaram, NIT Puducherry
Dr. Om Prakash Sahu, Ritsumeikan University, Japan
Dr. G Balamurali, VIT Vellore

REGISTRATION

Participants should be faculty members of the AICTE approved institutions, research scholars, PG students, members from Industry and Research Institutions are also encouraged for registration. The registration is free and participants are suggested to register through AICTE ATAL portal

(https://atalacademy.aicte-india.org/)
Contact: mvaraju.b@nitpy.ac.in

AICTE TRAINING AND LEARNING (ATAL)
FIVE DAYS FACULTY DEVELOPMENT PROGRAMME (FDP)
ON

Industrial Robots for Future Factories

13.09.2021 to 17.09.2021

Organized by
Department of Mechanical Engineering
National Institute of Technology Puducherry
(An Institution of National Importance
under MoE, Govt. of India)
Karaikal - 609 609

Chief Patron
Prof. K. Sankaranarayanasamy
DIRECTOR
National Institute of Technology Puducherry

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National Institute of Technology Puducherry

Coordinator
Dr. M V A Raju Bahubalendruni
AP, Dept. Mech. Engg.

Convener
Dr. N Sendhil Kumar
AP & HoD, DME

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Dr. M Vadivukkarasan
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Dr. Jack J Kenned
Dr. J Ronald Aseer
Dr. P Sateeshkumar

AICTE TRAINING AND LEARNING (ATAL) FIVE DAYS (FDP)

ON

Industrial Robots for Future Factories

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SCHEDULE

DATE	Morning Session (09:30AM-11:15AM)	Afternoon Session (11:30AM-1:15PM)	Evening Session (02:30PM-04:15PM)
13-09-2021	**Make in India an Initiative by Govt. of India** Prof. K Sankaranarayanasamy NIT Puducherry	**Introduction to industrial Robot and Historical growth** Dr. M V A Raju Bahubalendruni NIT Puducherry	**Transmission systems for Industrial robots** Dr. A Johnney Mertens NIT Puducherry
14-09-2021	**Human Robot interaction for Manufacturing Automation** Dr. M V A Raju Bahubalendruni NIT Puducherry	**Recent trends in Welding Robots** Dr. B B V L Deepak NIT Rourkela	**Multi-robot Path planning for Future Factories** Dr. P B SUJIT IISER Bhopal
15-09-2021	**Intelligent sensors for Future Robots** Dr. Om Prakash Sahu Ritsumeikan University, Shiga, Japan.	**Augmented Reality for Industrial Robots** Dr. Balamurali VIT Vellore	**Advancements in Robots for 3D Printing** Dr. Biranchi Panda IIT Guwahati
16-09-2021	**Simulation of Industrial Robotics** Industrial Expert ABB	**Collaborative robots** Industrial Expert KUKA	**Safety with Industrial Robotics** Dr. N M Sivaram NIT Puducherry
17-09-2021	**Robots in Energy Industry** Dr. N Sendhil Kumar NIT Puducherry	**Emotional Stress Balacing through Yoga & Meditation** Dr. S Babu NIT Puducherry	**VALEDICTORY**