AICTE Training And Learning (ATAL) Sponsored 5-Days Workshop
on
"Robotics"

3rd – 7th February, 2020

REGISTRATION PROCESS

Online Registration: Please use the link https://forms.gle/rhoJhNpK6Xtxr1v57 for the registration **or** send the scanned copy of the registration form along with affiliated Organization's ID proof to rajeshdoriya.it@nitrr.ac.in

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Chief Patron

Prof. A. M. Rawani
Director, NIT Raipur

Patron

Prof. S. Gupta
Dean (R&C), NIT Raipur

Chairman

Dr. Satya Prakash Sahu
HoD, Information Technology, NIT Raipur

Coordinator

Dr. Rajesh Doriya
Assistant Professor, NIT Raipur

Co-Coordinator

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Department of Information Technology

National Institute of Technology
G. E. Road, Raipur - 492010 (C.G.)

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on
"Robotics"
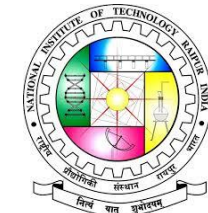
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Organized by

AICTE Training and Learning (ATAL) Academy

&

National Institute of Technology
(An Institute of National Importance)
Raipur - 492010 (C.G.), INDIA

About the Institute:

National Institute of Technology Raipur is situated in the capital of Chhattisgarh. The institute has proven to be "avant-grade" in the field of science and technology over past few decades in this region. With sweet memory of foundation ceremony by our president Hon'ble Dr. Rajendra Prasad on 14th September 1956. The institute started with two departments namely Metallurgical and Mining Engineering. Later the inauguration of the Institute building was done by our Prime Minister Hon'ble Pt. Jawahar Lal Nehru on 14th March 1963. From 1st December 2005, the institute has become the National Institute of Technology. It is well connected with Mumbai, Delhi and all metro cities by regular flights and is on the main Howrah-Mumbai railway route. The institute is 5 km from the Raipur railways station and 18 km from airport on NH-6, the Great Eastern Road.

About Department:

The **Department of Information Technology** was started in year 2000. The aim of the department is to become the national leader in imparting quality education, carrying out research and technology development in the country. The department provides an outstanding research environment and offers academic program leading to the award of B.Tech., M.Tech. and Ph.D. degrees.

About the workshop:

The influence of robotic technologies on society and human beings has been strong. The number of applications of robots is increasing, and the robotics research field is expanding. The applications of robotics range from space exploration to underwater exploration. Scientists and researchers are engaged in advanced robotic research topics to address these challenging problems.

The idea of this workshop is to make the participants aware of these advancements. The workshop will comprise of the essential theory and hands-on session on robotics with some programs and simulation tools.

Speakers:

Expert lectures will be delivered by the faculties of IITs, IIITs, NITs and professionals working in industries.

Topics to be covered with Hands-on Sessions:

Introduction to Robotics, Robotics Kinematics, Robotics Control, Modeling and Simulation of Dynamic System, Building of Autonomous Robots, Mobile Robot Navigation, Path Planning, Computer Vision using OpenCV, Underwater Robots, Humanoid Robots, Advances in Robotics, Study of Simulation tools such as Robot Operating System (ROS), Webots, etc.

Selection:

The seats are limited to 50 candidates. **The preference will be on first-come-first-serve basis. The intimation regarding selection will be sent to the candidates by email as per the schedule.** Certificates will be issued to the participants only after attending the complete course**.**

No TA/DA will be paid to the participants. However, the accommodation facility may be provided to outside candidates on payment basis.

Registration Fee & Other Details:

No Fee will be charged from the participants

Application in the prescribed format must reach the coordinators on or before **31st January, 2020**. Use the link https://forms.gle/rhoJhNpK6Xtxr1v57 to apply online.

Refreshment and lunch during the program will be provided to all the selected participants.

Important Dates:

Last Date of Registration: 31st January, 2020.
Intimation Date: 1st February, 2020. (Note: Early intimation can be sent on request)
Event Date: 3rd – 7th February, 2020.

Venue:

Department of Information Technology, National Institute of Technology, G.E. Road, Raipur–492010, (C.G.), INDIA