

**TEQIP-III Sponsored 5-Days Workshop
on
“Robotics & Computational Intelligence
Techniques (RCIT-2018)”**

5th – 9th February, 2018



REGISTRATION PROCESS

Online Registration: Please use the link <https://goo.gl/forms/PK2n2DjYNYrZrGpt1> for the registration **or** send the scanned copy of the registration form along with affiliated Organization's ID proof and payment proof to rareshdoriya.it@nitrr.ac.in

Offline Registration: Please use the registration form attached with the this event brochure and send the hard copy or scanned copy of the documents to Dr. Rajesh Doriya.

Chief Patron

Prof. A. M. Rawani
Director, NIT Raipur

Patron

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

Conveners

Prof. A. K. Tiwari
HoD, Mechanical Engineering, NIT Raipur

Dr. Sudhakar Pandey
HoD, Information Technology, NIT Raipur

Coordinators

Prof. S. Sanyal
Professor, NIT Raipur

Dr. Rajesh Doriya
Assistant Professor, NIT Raipur

Address for Correspondence

Dr. Rajesh Doriya
Email: rajeshdoriya.it@nitrr.ac.in
Mobile No.: +91-7805984189

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

**TEQIP-III Sponsored 5-Days Workshop
on
"Robotics & Computational Intelligence
Techniques (RCIT-2018"**

5th – 9th February, 2018



Organized by

**Department of Mechanical Engineering
&
Department of Information Technology
&
ROBOTiX Club**



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 Mechanical Engineering Department was established in 1958. Department offers one undergraduate program (B.Tech.) in Mechanical Engineering and three Postgraduate program (M.Tech.) of specializations Thermal Engineering, Design Engineering and Industrial Engineering & management. It is one of the largest departments of the institute from the point of view of students and faculty strength. Department also offers Ph.D. program in all relevant discipline of Mechanical Engineering including Design, Production, Thermal and Industrial Management.

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. Whereas, the study of computational intelligence addresses the problem-solving capability to the challenging real-world problems where traditional approaches may not be very effective.

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 and computational intelligence techniques with some programs and simulation tools.

Engineering faculty and students as well as industry personnel working in the area of robotics and computational intelligence are the target audience as participants.

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:

Neural network, Deep Learning, Fuzzy Logic, Genetic Algorithm, Support Vector Machine, Principal Component Analysis, K Nearest Neighbor, Particle Swarm Optimization (PSO),

Introduction to Robotics, Robotics Kinematics, Building of Autonomous Robots, Mobile Robot Navigation, Path Planning, Underwater Robots, Cloud-based Robots, Simulation tools such as Robot Operating System (ROS), Webots, etc.

Selection:

The course coordinators reserve the right of selection of participants. The seats are limited to 30 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 Details:

Participants	Registration Fees
U.G./P.G./Ph.D. Students	₹ 5,00/-
Faculty/Industry Persons	₹ 1,000/-
Participants of NIT Raipur	No Fees

Application in the prescribed format with registration fee in the form of Demand Draft drawn in favor of “**Director, National Institute of Technology Raipur**” payable at Raipur must reach the coordinators on or before **31st January, 2018**. Use the link <https://goo.gl/forms/PK2n2DjYNYrZrGpt1> to apply online. Registration fee includes registration kit and lunch during the program. Fee is non-refundable.

Important Dates:

Last Date of Registration: 31st January, 2018.

Intimation Date: 1st February, 2018. **(Note: Early intimation can be sent on request)**

Event Date: 5th – 9th February, 2018.

Venue:

Department of Mechanical Engineering,
National Institute of Technology, G.E. Road,
Raipur-492010, (C.G.), INDIA



National Institute of Technology Raipur

(An Institute of National Importance)

G.E. Road, Raipur – 492010 (C.G.)

Website: <http://www.nitr.ac.in>

Phone: +91-771-2254200

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on

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Registration Form

Name: (In Capital Letters)					 Please affix self-attested recent passport size photo
Date of Birth:	DD / MM / YYYY	Gender:			
Designation:					
Organization:					
Highest Qualification:					
Address for Correspondence:					
Mobile No.:					
Email ID:					
Registering as: (Please Tick the appropriate)					
U.G. Student:		P.G./ Ph.D. Student:		Faculty/Industry Person:	
Fee Type: (Please Tick the appropriate)					
Cash:		Online Transfer (NEFT):		Demand Draft:	
Cash/Online Bank Transfer/Demand Draft (DD) Details:					
Amount:		Transaction/ Ref./DD Number:		Date:	
Name of the Bank:					
Accommodation Required: (Please Tick the appropriate)					
Yes		No			
(Participants will have to pay an additional amount at institute hostel towards his boarding and food)					
Date:					
Place:				Signature	
Note:					
➤ Cash/DD/Online payment proof along with the registration form in hard copy or scanned copy must reach to the coordinator (Dr. Rajesh Doriya) on or before 31 st January, 2018.					
➤ Participants are required to submit the copy of the identity proof issued from their institute along with the registration form.					

NATIONAL INSTITUTE OF TECHNOLOGY, RAIPUR
BANK DETAILS OF TEQUIP-III

**ELECTRONIC CLEARING SERVICE / REAL TIME GROSS SETTLEMENT (RTGS)
FACILITY FOR RECEIVING PAYMENTS**

A. DETAILS OF ACCOUNT HOLDER

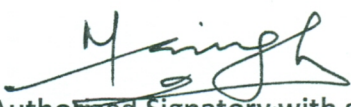
NAME OF THE ACCOUNT HOLDER	DIRECTOR NIT RAIPUR
COMPLETE CONTACT ADDRESS	G.E.ROAD, RAIPUR (C.G.) 492010
E-Mail Id of the Account Holder	director@nitrr.ac.in

B. BANK ACCOUNT DETAILS

BANK NAME	STATE BANK OF INDIA
BRANCH NAME WITH COMPLETE ADDRESS	G.C.E.T.BRANCH, G.E.RAOD RAIPUR (C.G.)
IFSC CODE OF THE BRANCH	SBIN0002852
MICR CODE	492002004
SWIFT CODE	SBININBB646
TYPE OF BANK ACCOUNT	SAVING ACCOUNT
COMPLETE BANK ACCOUNT NUMBER	34349680351

Banker's Signature and Seal

A circular official seal of the State Bank of India, Raipur branch, with the number 2852 in the center. A handwritten signature is written over the seal.


Authorized Signatory with seal
Dy. Registrar (F & A)
NIT, Raipur (C.G.)