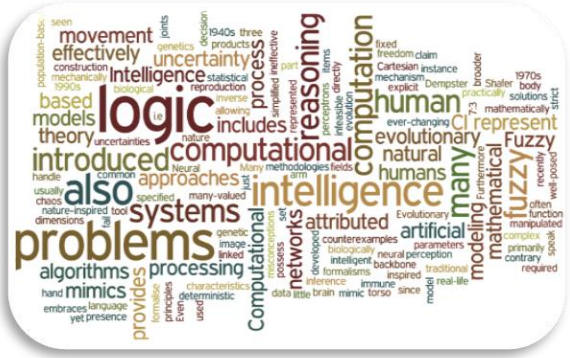
2nd Self-Sponsored Workshop

on

"Soft Computing Techniques & Robotics (SCTR-2018)"

17th – 21st September, 2018



REGISTRATION PROCESS

Online Registration: Please use the link https://goo.gl/forms/0vQB4wrY2Ns1dFBL2 for the registration **or** send the scanned copy of the registration form along with affiliated Organization's ID proof and payment proof to rajeshdoriya.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. Gupta

Dean (R&C), NIT Raipur

Chairman

Dr. S. P. Sahu

HoD (IT), NIT Raipur

Coordinators

Dr. Rajesh Doriya

Assistant Professor, NIT Raipur

Dr. Rekh Ram Janghel

Assistant Professor, NIT Raipur

Address for Correspondence

Dr. Rajesh Doriya

Email: rajeshdoriya.it@nitrr.ac.in

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Mobile No.: +91-9424126173

Department of Information Technology

National Institute of Technology

G. E. Road, Raipur - 492010 (C.G.)

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17th – 21st September, 2018

Organized by

Department of Information Technology

&

ROBOTiX Club

National Institute of Technology

(An Institute of National Importance)

Raipur - 492010 (C.G.), INDIA

SCTR-2018

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.

Venue:

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

About the workshop:

The aim of this workshop is to provide upgradation of knowledge and skills for students, research scholars and faculties involved in active research area of Soft Computing & Robotics. This workshop will provide a national forum for exchange of ideas among interested students, researchers, developers, practitioners and faculties. The lectures will be delivered by distinguished experts in their field. This workshop will include lectures, special case studies in the areas of Soft Computing & Robotics along with the hands-on experiments using computational tools such as Matlab and R.

The influence of robotic technologies on society and human beings has become very strong. The number of applications of robots is increasing, and the robotics research field is expanding. This workshop will also cover introduction to robotics and advances in robotics along with some simulation tools such as Robot Operating System (ROS) and Webots.

Engineering faculty and students as well as industry personnel working in the area of soft computing techniques and robotics are the intended audience as participants.

Speakers:

Expert lectures will be delivered by the faculties of the various branches form the institute and the experts from the 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, 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 40 candidates. The preference will be on first-come-first-serve basis.** 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. Students	₹ 1,000/-
P.G./Ph.D. Students	₹ 1,600/-
Faculty/Industry Persons	₹ 4,000/-

Demand Draft:

Demand Draft must be drawn in favor of **"Director, National Institute of Technology Raipur"** payable at **Raipur**.

Online Bank Transfer Details:

Account Name: *Director NIT Raipur;* **Account No.:** *30054181310;* **Account Type:** *Saving;* **Bank Name:** *State Bank of India, Raipur;* **Branch:** *G.C.E.T. Raipur;* **Branch Code:** *02852;* **IFSC Code:** *SBIN0002852;* **Address:** *G.E. Road, Raipur – 492010 (C.G.).*

Link for Online Registration:

https://goo.gl/forms/0vQB4wrY2Ns1dFBL2

Important Dates:

Last Date of Registration: 15th September, 2018.

Intimation Date: 16th September, 2018. (Note: Early intimation can be sent on request)

National Institute of Technology Raipur

(An Institute of National Importance)
G.E. Road, Raipur – 492010 (C.G.)
Website: http://www.nitrr.ac.in **Phone:** +91-771-2254200

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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 16th September, 2018.
- **Participants are required to submit the copy of the identity proof issued from their institute along with the registration form.**