NATIONAL WORKSHOP
On
"Cloud Computing & Network Security"
14th –18th October, 2019

REGISTRATION FORM

Name: ……………………………………………

Designation: ………………………………….

Organization: ………………………………..

Qualification: ………………………………..

Correspondence Address: ………………

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Tel. (O) ………………... (R) ………………….

(M) …………………………………………………

Fax. No………………………………………….

E-Mail: …………………………………………..

Registration Fee: Paid herewith in the form of
 Online Payment Mode

 Transaction I.D: ………………………….

 Date …………………………

 Name of the Bank……………………………..

 Accommodation Required: Yes / No

Signature of the participant

 Date: Place:

 For online Registration go through the following link:
https://forms.gle/otbAAnWwbuegDYc48

Note:

- **Payment should be made to the following account:**
  Account No.: 38027633250
  Name: Director, NIT Raipur
  IFSC: SBIN0002852
- **Photocopies of registration form may be used.**

Chief Patron

Dr. A. M. Rawani,
Director, NIT Raipur

Patron

Dr. (Mrs.) Shubhrata Gupta,
Dean (R&C), NIT Raipur

Convener

Dr. Pradeep Singh,
HoD, Department of Computer Science and Engineering

Programme Coordinators

Dr. K. Jairam Naik
Assistant Professor, NIT Raipur

Dr. Preeti Chandrakar
Assistant Professor, NIT Raipur

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NATIONAL WORKSHOP
on
"Cloud Computing & Network Security"
14th –18th October, 2019

Organized By

Department of Computer Science and Engineering

National Institute of Technology
Raipur-492 010 (Chhattisgarh)

About the Institute:

National Institute of Technology, Raipur situated in the capital of Chhattisgarh, has proven to be 'Avant-grade' in the field of science and technology over past few decades in this region. The institute was operative as GEC with the sweet memories of foundation ceremony by our Honorable president Dr. Rajendra Prasad on 14th September 1956. Initially the institute was started with two departments namely Metallurgical Engineering and Mining Engineering. Later the inauguration of the Institute building was done by our Honorable Prime Minister Pt. Jawahar Lal Nehru on 14th March 1963. From 1st December 2005, the institute has become NIT for the National Importance. It is well connected with Mumbai, Delhi and all metro cities by regular flights and is mainly situated on Howrah-Mumbai railway line. The institute is 5 km away from Raipur railway junction and 18 km from Swami Vivekananda International Airport. It is on NH-6, the Great Eastern Road

About Department:

The Department of Computer Science and Engineering came into existence in the year 2000. CS&E department is the study, research and work place for approximately 600 students from the 28 states across the country. The department provides outstanding research Environment and offers academic program leading to the award of B. Tech, and Ph.D. degrees.

Venue:

Department of Computer Science and Engineering, National Institute of Technology, G.E. Road, Raipur–492010, (C.G.), INDIA

Objectives & Scope of the Course

The scope of the workshop is to explore the latest concepts, challenges and future directions for research in the theme area of Cloud Computing & Network Security. This primary objective of this workshop is to provide theoretical and practical awareness on recent trends & technology in the innovative field of Cloud computing and Network Security for the Faculties, Research Scholars and PG students of the nation. This event was intended to enable the young researchers to elaborate and validate their novel thoughts by the domain experts from the reputed universities/institute of the country. Also, providing a platform for the researchers and faculty members of the technical institute for sharing their theoretical Views and practical experiences is the secondary goal of the programme.

Workshop Themes:

The workshop will cover Cloud Computing, Experimentation with Cloud Tool(s), Cloud Storages, Backup & Recovery, Blockchain Technology, Network, Cyber & Cloud Security and Cryptography Protocols. But, not limited.

Resource Persons:

Academicians from IITs, NITs, IIITs and Industry are invited to deliver the lectures and to share their research experience in the innovative field of Cloud computing and Network Security. Experts from industry also invited as speaker for this programme.

Important Dates:

Last Date of Registration: 10th October, 2019
Intimation of Acceptance: 11th October, 2019
Workshop Dates: 14th - 18th October, 2019

Targeted Participants:

➢ Faculty members
➢ Participants from the Industry
➢ U.G/P.G. /Ph.D. Scholars

Selection:

Since the number of seats is limited to 50, the selection will be made on *first cum first basis*. However, the preference will be given to the outside participants. Intimation regarding selection will be sent to the candidates by e-mail as per the scheduled date. Certificates will be issued to the participants only after attending the complete course. *No TA/DA will be paid to the participants.* Spot Registration will be considered only if seats are available.

Registration Fee Details (in INR):

Participants	Amount (in Rs)
UG/ PG / Ph.D. students	1200/-
Internal Faculty of NIT Raipur	1500/-
Other Faculty/Industry Delegates	2000/-

Applications in prescribed format along with the receipt of online registration fee payment must reach the coordinator on or before **10th October 2019.** Registration fee includes registration kit and lunch during the program. Fee once paid is non-refundable**.**

Accommodation:

Accommodation will be provided in institute guesthouse/hostels on payment basis for the out station participants. This service also depends on the availability free rooms.

<p style="text-align:center"><strong style="color:red">REGISTRATION FORM</p>
<p style="text-align:center">NATIONAL WORKSHOP</p>
<p style="text-align:center">On</p>
<p style="text-align:center">"Cloud Computing & Network Security"</p>
<p style="text-align:center"><strong style="color:red">14th –18th October, 2019</p>

Organized by

Department of Computer Science and Engineering
National Institute of Technology, Raipur, C.G.

Full Name (Block Letter): …………………………………………………………………………….

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Name of College/Institution/Organization:

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Qualification: ……………………………………………………………………………

Designation: …………………………………………………………………………………..

Address:

……………………………………………………………………………………………………

……………………………………………………………………………………………………

……………………………………………………………………………………………………

Pin code:

Phone No./Mobile No.:

E-mail:

Do you need accommodation: (Yes/ No):

I have enclosed the registration fee of Rs…………………by Transaction ID ………………

Dated………………. (To the account of Director - Account No.: 38027633250, IFSC: SBIN0002852, SBI, Raipur).

Place: Signature of the participant

Date:

Duly filled registration form along with the receipt of registration fee Payment must reach to the Department of Computer Science and Engineering, NIT-Raipur on or before the last date.

<p style="text-align:center"><u>OR</u></p>

For online registration go to link: https://forms.gle/otbAAnWwbuegDYc48

<p align="center">**Session Plan**</p>
<p align="center">**Title: Cloud Computing & Network Security (14-18, October, 2019) At NIT Raipur.**</p>

Date & Day	Time	Activity/Topic	Speaker/Teacher(s)
Day-1(14.10.2019) Cloud Computing: Cloud Services, Applications of Big data & Hand Clustering	9:30-11:00	**Registration & Inauguration (Guest -** Dr. Dhiman Saha, IIT Bhilai)	
	11:00-11:30	**Hi-Tea**	
	11:30-12:30	Lecture-1: Cryptographic Primitives	Dr. Dhiman Saha, IIT Bhilai
	12:30-1:30	**Lunch Break**	
	1:30-2:30	Lecture-2: Introduction to Cloud, Big-data, Hadoop & Map Reduce	Dr. N. Srinivas Naik, IIIT Naya Raipur
	2:30-3:30	Hands-on Training-1: Setting up of Hadoop Cluster on Cloud Environment	Dr. N. Srinivas Naik, IIIT Naya Raipur
	3:30-3:45	**Tea Break**	
	3:45-5.00	Hands-on Training-2: Setting up of Hadoop Cluster on Cloud Environment	Dr. N. Srinivas Naik, IIIT Naya Raipur
Day-2(15.10.2019) Cloud Computing: Cloud Virtualization & hands-on using Openstack, Private Cloud Creation	09:30-10:30	Lecture-3: Cloud Virtualization	Dr. P. Syam Kumar, IDRBT Hyderabad
	10:30-11:30	Hands-on Training-3: Cloud Virtualization	Dr. P. Syam Kumar, IDRBT Hyderabad
	11:30-11:45	**Tea Break**	
	11:45-12:45	Hands-on Training-4: OpenStack	Dr. P. Syam Kumar, IDRBT Hyderabad
	12:45-1:45	**Lunch Break**	
	1:45-2:45	Hands-on Training-5: OpenStack	Dr. P. Syam Kumar, IDRBT Hyderabad
	2:45-3:45	Hands on Training-6: Private Cloud Creation & Experimentation	Dr. P. Syam Kumar, IDRBT Hyderabad
	3:45-4:00	**Tea Break**	
	4:00-5.00	Hands on Training-7: Private Cloud Creation & Experimentation	Dr. P. Syam Kumar, IDRBT Hyderabad
Day-3(16.10.2019) Mobile, FOG Computing, Cloud Datacentre & Storage Infrastructure	09:30-10:30	Lecture- 4 & 5: Mobile Cloud Computing & FOG Computing	Dr. Manu Vardhan, NIT Raipur
	10:30-11:30		
	11:30-11:45	**Tea Break**	
	11:45-12:45	Lecture- 6: Resource Management in Cloud Computing	Dr. Manu Vardhan, NIT Raipur
	12:45-1:45	**Lunch Break**	
	1:45-2:45	Lecture- 7 & 8: Cloud Datacenter Infrastructure, Storage, Backup & Recovery	Dr. K. Jairam Naik, NIT Raipur
	2:45-3:45		
	3:45-4:00	**Tea Break**	
	4:00-5.00	Lecture-9: Cloud Portability	Mr. Dinesh Jain, Alumni
Day-4(17.10.2019) N/W Security: Cyber Security & Block chains	09:30-10:30	Lecture-10 & 11: Authentication Techniques	Dr. Ruhul Amin, IIIT Naya Raipur
	10:30-11:30		
	11:30-11:45	**Tea Break**	
	11:45-12:45	Lecture-12: Cyber Security Applications	Dr. Santosh Biswas, IIT Bhilai
	12:45-1:45	**Lunch Break**	
	1:45-2:45	Lecture-13 & 14: Cyber Security & Fault Tolerance	Dr. Santosh Biswas, IIT Bhilai
	2:45-3:45		
	3:45-4:00	**Tea Break**	
	4:00-5.00	Lecture-15: Fault Tolerance	Dr. Santosh Biswas, IIT Bhilai
Day-5(18.10.2019) N/W Security: Cyber and Hardware Security, Network security and cryptography	09:30-10:30	Lecture-16 & 17: Block Chain Concepts	Dr. Souradyuti Paul, IIT Bhilai
	10:30-11:30		
	11:30-11:45	**Tea Break**	
	11:45-12:45	Lecture-18: Research Scope & Applications of Block Chain	Dr. Souradyuti Paul, IIT Bhilai
	12:45-1:45	**Lunch Break**	
	1:45-2:45	Lecture-19: Research Scope & Applications of Block Chain	Dr. Souradyuti Paul, IIT Bhilai
	2:45-3:00	**Hi-Tea**	
	3:00-3:30	**Group Discussion/Feedback**	
	3:30 onwards	**Valedictory Function**	