

Speakers

- Mr. Ved Arya, Founder SRIJAN and SIDS
- Mr. Ranbir Singh, IEEE Client Services
- Dr. Vinit Kotak, IEEE Bombay Section
- Mr. S. Gaur, Director Operations, InnovatioCuris Private Ltd.
- Dr. S. S. Patel, IRMA Anand
- Dr. Saurabh N. Mehta, VIT Mumbai
- Dr. Vibha Wali, VIT Mumbai
- Dr. S. Bajpai, NIT Raipur
- Dr. Saurabh Gupta, NIT Raipur
- Mr. Amit Singh, Wadhwani Foundation

Course Highlights

- Lectures by Eminent Experts
- Focused sessions on Teaching Learning
- Hands on sessions on Developing MOOCs
- Deliberations on Framing Innovation and Entrepreneurship Driven Curriculum Development and Content Delivery
- Mentorship to Form Innovation and Entrepreneurship Cells at the participating institutions
- Networking opportunities among various Incubation Centers

Chief Patron

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

Patrons

Dr. S. Sanyal, TEQIP Coordinator, NIT Raipur

Convener

Dr. Samir Bajpai,
Head, Career Development Centre,
NIT Raipur

Coordinators

Dr. R. N. Patel
Associate Professor, NIT Raipur
Dr. Chandrakant Thakur
Assistant Professor, NIT Raipur

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Workshop Venue

Board Room, Pt. DDU Auditorium,
G.E. Road, Raipur-492010 (C.G.), India



TEQIP-3 Sponsored
Faculty Development Program

on

**Shifting the Teaching-Learning
Paradigm to Address the Future
Needs of Engineering**

(September 7th - 11th, 2019)



Organized by

Career Development Centre

National Institute of Technology, Raipur

in Association with

IEEE Bombay Section



About the Institute

National Institute of Technology, Raipur situated in the capital of Chhattisgarh, has proven to be a Pioneer in the field of science and technology over the decades. Established in the year 1956 as GEC Raipur, the institute become the National Institute of Technology in the year 2005. The institute offers B Tech. and Ph. D. Degrees in twelve Engineering disciplines, and it also offers MCA and M Tech. in 6 Specializations. The institute is well known for its Testing and Consultancy facilities. 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 railway station and 18 km from airport on NH-6, the Great Eastern Road.

About CDC, NIT Raipur

To provide pertinent career opportunities to the students and also to inculcate a drive for innovation and entrepreneurship in students, the institute has created the Career Development Centre (CDC). The Centre strives to make the students prime choice for human resource requirements of premier global companies by grooming them through relevant skill sets. The Centre is also keenly driven to create environment and support system to motivate and nurture the innovative ideas and turn them into successful Startups through its Innovation and Entrepreneurship Cells. We also offer two Elective Courses in Entrepreneurship in association with Wadhwani Foundation.

Course Objectives

The FDP on '**Shifting the Teaching-Learning Paradigm to Address the Future Needs of Engineering**' encompasses the vision of re-Designing the Engineering curriculum and Pedagogy to meet the future needs of industry and society in general. **Curriculum fostering Innovation driven Entrepreneurship** that could impact larger masses would be specially focused upon. The FDP also aims to bring change in the traditional methods of Teaching-Learning to cope up with the Global challenges. With the above mentioned objectives, this FDP will provide a platform for up-gradation of knowledge and skills in engineering innovations in the emerging areas such as: **Industry 4.0, Grass-root Innovations and Social Entrepreneurship.**

Registration

Participant Category	Amount (in Rs)
TEQIP Institutions and Internal Faculty of NITRR	NIL
Faculty/Delegates of Other Colleges/Industry	1000/-

Please send the scanned copy of duly Signed Registration Form to email : **edc.cdc@nitrr.ac.in**

Participation Certificate from IEEE Bombay Section will be given to All Participants

Important dates:

Last date of Registration: **6th Sept., 2019**
Event Dates: **7th – 11th September , 2019**

Topics to be Covered

Day 1: Effective Teaching-Learning Techniques

- Developing Course Outcomes of a subject
- Bloom's Taxonomy
- Innovative techniques in Teaching-Learning
- Future needs of Engineering Education

Day 2: Use of ICT Tools for Effective Teaching-Learning

- ICT Tools and Digital Teaching Techniques
- Use of Open Source Tools for Teaching
- Moodle as a Teaching Tool
- Introduction to MOOC

Day 3: Self Learning and MOOC

- Platforms for Self-learning: Swayam, Coursera, Udemy etc.
- Developing MOOCs & its Evaluation Models
- Framing Institutional policies to Promote Self -Learning

Day 4: Curriculum addressing Innovation and Entrepreneurship for Sustainable Development

- Industry Participation in Curriculum Design
- Entrepreneurship Education
- Innovation Driven Entrepreneurship
- Technology for Sustainable Development and Role of IEEE
- IEEE Initiatives for Entrepreneurship

Day 5: Industry/Society linked Curriculum Development

- Innovations and Social Entrepreneurship
- Making Students Industry Ready
- Industry 4.0 oriented Curriculum Development and Teaching Methodology

REGISTRATION FORM

TEQIP-3 Sponsored One Week Faculty Development Program

on

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7th - 11th September, 2019

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Career Development Centre

National Institute of Technology, Raipur

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IEEE Bombay Section

Full Name (Block Letters):

Name of College/Institution/Organization:

Qualification:

Designation:

Address:

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Pin code:

Phone No./Mobile No.:

E-mail:

*Do you need accommodation: (Yes/ No):

* Accommodation will be provided to the Candidates on the payment basis as per the availability

Place:

(Signature of the Participant)

Date:

Duly filled registration form must be sent before last date of registration by email to : edc.cdc@nitrr.ac.in