



ORGANIZED BY

DEPARTMENT OF COMPUTER ENGINEERING

**FR. CONCEICAO RODRIGUES COLLEGE OF
ENGINEERING**

BANDSTAND, BANDRA(W)

ONE WEEK

(30th May – 03rd June 2020)

**FACULTY DEVELOPMENT
PROGRAMME**



**TECHNOLOGY
PARTNER**

[CLICK HERE TO REGISTER](#)

CPS

DRONES

ADDITIVE MANUFACTURING

CYBERSECURITY

SENSORS

ROBOTICS

CLOUD COMPUTING

DATA SCIENCE

BLOCKCHAIN

INTERPERSONAL SKILLS

IoT

3D PRINTING

**DISRUPTIVE
TECHNOLOGIES
OF INDUSTRY
4.0**



About College

Fr. Conceicao Rodrigues College of Engineering (CRCE) was established in 1984 as part of Fr. Agnel Technical Complex at Bandra, Mumbai by the Society of St. Xavier Pilar and is named after its founder the late Rev. Fr. Conceicao Rodrigues. The College is affiliated to the University of Mumbai. The college offers Bachelor Degree courses in Production Engineering, Electronics & Computer Science, Computer Engineering, Mechanical Engineering and Information Technology. The College also offers fulltime Master's Degree courses in Mechanical Engineering (CAD-CAM with Robotics) and Doctoral Programmes in Electronics Engineering and Mechanical Engineering. The College is located at Bandstand, Bandra, Mumbai in a picturesque environment surrounded by the Arabian Sea. Institute have been accredited by National Board of Accreditation (NBA-India) and National Assessment and Accreditation Council (NAAC). The Institute has been consistently ranked highly in major surveys like the NIRF, TOI, INDIA TODAY to name a few.

About Department

Department of Computer Engineering was established in 1991. The department offers B.E. in Computer Engineering, a four-year degree program with an intake of 120 students. It has excellent infrastructure and highly qualified and professionally skilled faculty. The department conducts various training programs to help faculty and students to improve their technical knowledge. The Department has received a Research Grant from the Department of Science and Technology (DST), and Mumbai University for Innovative Projects and Minor Research Grant. It has signed MoU with several companies like Tata Consultancy Services, IBM and D-Link. Graduates of our department have been recruited by major IT companies such as TCS, Accenture, Morgan Stanley, JP Morgan Chase, ZS, Seclure, SAP, Amdocs to name a few. Department has made conscious efforts to develop the department as a center of excellence.

About FDP

The Department of Computer Engineering of Fr. Conceicao Rodrigues College of Engineering, Mumbai is proud to organize a national level five days Faculty Development Program (Online) on "Disruptive Technologies of INDUSTRY 4.0".

Around the world traditional manufacturing industry is in the throes of a digital transformation that is accelerated by exponentially growing technologies. In essence, Industry 4.0 concerns the transformation of industrial processes through the integration of modern technologies such as sensors, communication, and computational processing. Technologies such as Cyber Physical Systems (CPS), Internet of Things (IoT), Cloud Computing, Machine Learning, Blockchain and Data Analytics are considered to be the different drivers necessary for the transformation.

This FDP is designed to offer learners an introduction to technological advances in Industry 4.0, its applications in the business world straight from the horse's mouth. Learners will gain deep insights into how smartness is being harnessed from data and appreciate what needs to be done in order to overcome some of the challenges. Participants will understand the opportunities, challenges brought about by Industry 4.0 and how organizations and individuals should prepare to reap the benefits.

FDP OUTLINE

- ✓ **Cloud Computing:** A critical enabler boosting the next Industrial Revolution.
- ✓ **Blockchain:** A valuable technology for next-generation manufacturing use cases.
- ✓ **Data Science and Bigdata:** key to improve product quality, efficiency and cutting operating costs in Industry 4.0.
- ✓ **IIoT-** Evolve manufacturing, creating the smart factory & enable holistic value chain analytics & downtime reduction.
- ✓ **Cybersecurity-**Protecting Connected Industrial Devices to Ensure security in Industry 4.0
- ✓ **Robotics, Drone technology and Automation** - A physical and cognitive partner to build digital factory.
- ✓ **Additive Manufacturing** - Vital components for rapid prototyping and highly decentralized production processes in Industry 4.0
- ✓ **Recognizing People Skills** - Soft skills will set talent apart from machines in industry 4.0

ELIGIBILITY

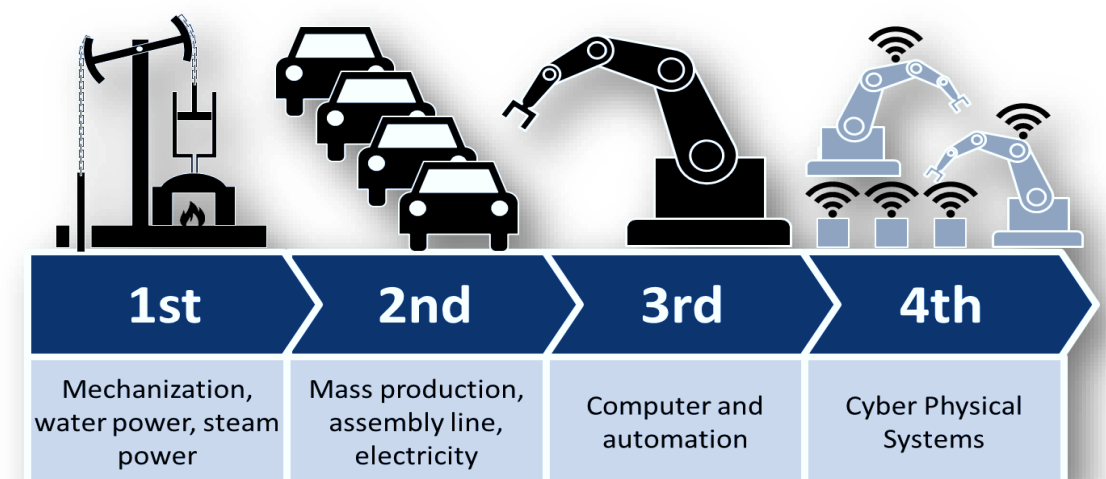
Faculty members of any government/private Institutions with relevant background are eligible for this course. Industry personnel/PhD Scholars/Researchers are also eligible. The seats are limited, and the selection will be made on 'First come first serve' basis. Registrations will close once we reach our quota of allowable participants.

GUIDELINES

NO COURSE FEE is charged to the participants.

Last day to register is **28th May 2020**.

Participants can attend the FDP through any medium (Laptops/Desktops/Mobile)



PROGRAM COMMITTEE

PATRONS

Rev. Fr. Peter Dsouza, Local Superior
Rev. Fr. Valerian Dsouza, Director
Dr. Srija Unnikrishnan, Principal

CONVENER

Dr. B.S. Daga, HOD (Computers)

Coordinator's:

Mr. Mahendra Mehra - 8149327826
Mrs. Supriya Kamoji - 9920487455
Mrs. Dipali Koshti - 9819151054

Co-coordinator's:

Mrs. Monali Shetty
Mrs. Ashwini Pansare
Mr. Sunil Chaudhari



compscrce@gmail.com

INVITED SPEAKERS



Mr. Vaibhav Kohli
Sr. MTS
VMware, USA



Mr. Dheeraj Anchan
Principal Research
Scientist, ISRO



Mr. Swapnil Khetan
Manager –
Procurement & Supply Chain
Practice at Michael Page



Mr. Mustafa Fatakawala
Data Scientist
TCS, Mumbai



Dr. Kalpesh Parikh
MD & CEO
Intellisense ITsys
Pvt. Ltd, Gujarat



Mr. Apurva Godbole
Co-Founder and
CEO of Drona
Aviation, Pune



Mr. Dhaval Sonawane
Cognitive Software
Engineer, IBM,
WASTON, USA



Dr. Ram Mangrulkar
Associate Professor at
D.J. Sanghvi College
of Engineering,
Mumbai



Prof. Mahendra Mehra
Ph.D Scholar,
Assistant Professor
Certified Ethical Hacker
CRCE, Mumbai



Mr. Pranit Raje
AWS Cloud Support
Engineer at AWS
Solutions, Mumbai,



Ms. Anisha Gharat
Platform Engineer at
Quantifi, Mumbai



Prof. Ketaki Joshi
Ph.D. Scholar,
Assistant Professor
at CRCE, Mumbai.



Prof. Yogesh Pingle
Assistant Professor at
Vidya Vardhini College
of Engineering, Mumbai



Mr. Bharat Kumavat
Technical chief and
founder of Triaro & co.,
Mumbai