



# FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING



## AICTE SPONSORED VIRTUAL SHORT TERM TRAINING PROGRAMME ON

### Research Areas in Technologies For Societal and Rural Development

Organised By:

## Department of Electronics and Computer Science

#### Patrons

Rev.Fr. Peter D'souza, Local Supervisor

Rev. Fr. Valerian D'souza, Director

Dr. Srija Unnikrishnan, Principal

Programme Co-ordinator

Dr. D. V. Bhoir

Organising Co-ordinators:

Mrs. Sangeeta Parshionikar

Mrs. Archana Lopes

Duration:- 21st December 2020-1st January 2021

Registration : <https://forms.gle/89bf7PDwPHe1EXuX7>





# ABOUT FR.C.R.C.E.

CRCE is dedicated to making a difference in Engineering education, with its exclusive approach towards the ongoing momentum of trends in technology and holistic development. 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 Pillar and is named after founder the late Rev. Fr. Conceicao Rodrigues. The College is affiliated to the University of Mumbai. The college offers Bachelor Degree courses in Mechanical Engineering, Electronics and Computer Science , Computer Engineering, and Data Science and Artificial Intelligence. The College also offers full-time Masters Degree courses in Production Engineering (Robotics) and Doctoral Programmes in Electronics Engineering and Production Engineering

## CORE VALUES

### OUR MISSION

"Moulding Engineers Who Can Build The Nation"

Based on the Outcome-based Education (OBE) parameters and criteria, three programmes of the Institute have been accredited by National Board of Accreditation (NBA-India) for a period of three years valid until June 2022.

The Institute has been consistently ranked highly in major surveys like the NIRF, TOI, INDIA TODAY to name a few. The college is ranked among the top 300 Engineering institutes of the country by NIRF 2020, conducted by MHRD



# Accreditation & Ranking



Accredited by National Assessment and Accreditation Board



Three UG Programs Computer Engineering, Electronics Engineering and Production Engineering Accredited by NBA-India



Ranked in the Top 300 colleges in the country by National Institutional Ranking Framework-2020



Ranked 6th among the Private Engineering Institutes of Maharashtra by Education World Higher Education Ranking -2019



Ranked 15 among the top Private Engineering Institutes in the World by the Week Engineering Institutes Ranking Survey -2019



Ranked 77 among the top Private Engineering Institutes in the country by Times Engineering Institutes Ranking Survey -2019



The department was established in 1987 with B.E. in Electronics Engineering. From the academic year 2019-20, the course is renamed to Electronics and Computer Science to cope up with 4th Industrial revolution. Fourth Industrial Revolution technologies such as Artificial Intelligence, Genome Editing, Augmented Reality, Robotics, Internet Of Things and 3-D printing are rapidly changing the way humans create, exchange and distribute resources.

As in the case of previous revolutions, this will profoundly transform institutions, industries, and individuals. The Fourth Industrial Revolution can make exponential changes to the way we live, work and relate to one another due to the adoption of cyber-physical systems, Internet of Things and Internet of Systems. As we implement smart technologies in our factories and workplaces, connected machines will interact, visualize the entire production chain and make decisions autonomously.

This revolution is expected to impact all disciplines, industries, and economies. Fourth Industrial Revolution could create a job market that's segregated into "low-skill/low-pay" and "high-skill/high-pay" segments. Over the years, strict adherence to quality norms in teaching-learning and evaluation has always been the strength of the department.

After a comprehensive study of the industry requirements as well as technological trends, the syllabus for the course Electronics and Computer Science has been framed to include courses that build a conceptual understanding of basics of Electronics as well as Computer Science. Additionally, advanced courses have been added to cover niche areas like Artificial intelligence and Machine Learning, Data Sciences, Mobile communication, VLSI, IoT, etc. A practical-oriented approach is being followed to make students proficient in the competitive industry environment as well as prepare them for higher education.

**ABOUT**

# **DEPARTMENT OF ELECTRONICS AND COMPUTER SCIENCE**



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**Creating Engineers  
with a competitive  
edge.**



## Objective of the STTP

- 1) To provide platform to the faculty members of Engineering Institutes to discuss current societal issues particularly Rural India.
- 2) To understand how to link academic Knowledge and technical skills to provide solutions for betterment of rural life.
- 3) To get insights/ ideas of various Government policies and schemes to carry out Societal, Environmental development projects.
- 4) To motivate the engineering college teachers to develop technological solutions to solve societal problems.

## Fees and Selection

Since the STTP is sponsored by AICTE, there are no fees to be paid by the participants. But, as the seats are limited, participants will be selected on a First-Come, First-Served basis



## Expected Outcomes

- 1) To bring up the awareness among the teaching faculty from various academic disciplines regarding problems of society and their impact.
- 2) To educate about various schemes of Government of India and procedure of providing fund to the projects working on development of rural areas.
- 3) To design and develop the solutions to benefit society and rural India through innovation and technology.



## Resource Personals

Eminent Professors from IITs, NITs, reputed universities, as well as Experts and Scientists from industries and research centres will conduct sessions during the STTP.

## STTP CONDUCTION PLATFORM

**Google Meet**

## CERTIFICATION

Certificates will be issued to the participants who attend minimum 80% programme and qualify the online exam with minimum 60% marks.

**Last Date for Registration:**

16th December, 2020

**Intimation of Acceptance:**

17th December , 2020

**STTP Dates:**

21st December 2020- 1st January 2021

# JOIN US NOW!

## REGISTRATION DETAILS:

Registration Link:

<https://forms.gle/89bf7PDwPHe1EXuX7>

## Contact Us:

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**Mrs. Archana Lopes**

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# Key Sessions of Workshop



*Agricultural Development*



*Energy: Rural Electrification*



*Waste Management*



*Water Resource Management*



*Health & Nutrition*



# Programme Evaluation Committee



**Dr. Srija Unnikrishnan**  
(Principal, Fr.CRCE,)  
Chairman



**Dr. D.V. Bhoir**  
(Professor, Dean)  
Member Secretary



**Dr. Sapna Prabhu**  
(Head, Department of E.C.S.)  
Member



**Dr. V.S. Jorapur**  
(Head, Production Engg.)  
Member



**Dr. Sunil Surue**  
(Professor, Dean Academics)  
Member