List of Faculty Development Program Organized in Institute

(Fr. CRCE, Bandra)

Sr. No	Name	Branch	Year
1	Date Analytics	IT/Comp	2017-18
2	Hands on FPGA Applications	ECS	2017-18
3	Machine Learning	Comp	2018-19
4	Towards a shift in Teaching Paradigm	ECS	2018-19
5	Android Programming	Comp	2019-20
6	Python Programming: Basics to Advanced	ECS	2019-20
7	Grooming for placements by industry experts	Comp	2020-21
8	Disruptive Technologies of Industry 4.0	Comp	2020-21
9	Essentials of Linux System Administration	Comp	2020-21
10	Chatbot Designing	Comp/AIDS	2021-22
11	Role of analytics and Placement Perspective	Comp	2021-22
12	Advance cloud computing -docker and kubernetes	Comp	2021-22

27/01/2023

PRINCIPAL

Celebrating

1957 – 2017

Years

Fr. Agnel Technical Complex
Bandra, Mumbai - 50

Two-Days

Faculty Development Program (FDP)

On

DATA ANALYTICS

23rd and 24th March 2018

ORGANISED BY

Department of Information Technology

Fr. Conceicao Rodrigues College of
Engineering, Bandra

PATRONS

Rev. Fr. Peter D'Souza: Local Superior
Rev. Fr. Valerian D'Souza :Director
Dr. Srija Unnikrishnan :Principal

CONVENER

Prof. Jagruti Save
Head of Department,
Department of Information Technology
Email : jsave@frcrce.ac.in

COORDINATORS

Prof. Garima Tripathi – Asst. Prof.
Mob.: 9869695897
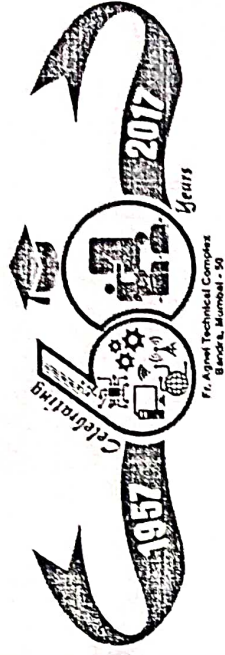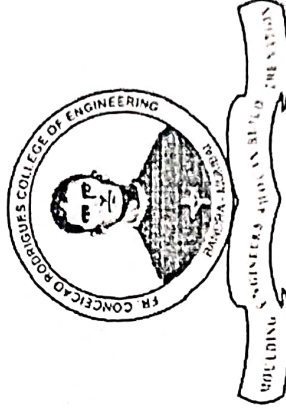Email: garima@fragnel.edu.in

Prof. Jay Borade – Asst. Prof.
Mob.: 8108742762
Email: jay.borade@fragnel.edu.in

VENUE

Department of Information Technology
Fr. Conceicao Rodrigues College of Engg.

Phone: 022-67114000 Fax: 022-67114200
E-mail: crce@frcrce.ac.in
Website: http://www.frcrce.ac.in

How to Reach Take BEST Bus of Route No. 211
from Bandra Station West to reach Fr. Agnel
Ashram. (Land Mark : Taj Land Ends)

Two Days FDP on

Data Analytics

Organised By

Dept. of Information Technology, Fr. CRCE, Bandra

REGISTRATION FORM

Name: Aishwarya Edwin Wadhya
Designation: Student
Institution: Fr-Conceicao Rodrigues college of Engg
Address: Bhy-(w), Uttan Mothagran.
Phone: 9004036725
Email: aishwaryawadhya@gmail.com.
Details of   DD* / Cheque* /
Payment: NEFT** / cash ✓

DD/Cheque   Date:
No:
Bank:
Signature of   Participant:
Date:

*DD/Cheque can be drawn in favour of "Fr. Conceicao
Rodrigues College of Engineering", payable at Mumbai)

**Details for NEFT

Institute Name	Fr. Conceicao Rodrigues College of Engineering
Name of the Bank	CORPORATION BANK
Name of the Branch	BANDRA(W), MUMBAI 400050
Branch Code	0120
NEFT IFSC Code	CORP 0000120
Type of Account(10/11/13)	SB (Code- 10)
Account No.	520141000955023

Fr. Agnel Technical Complex
Bandra, Mumbai - 50

Two-Days

Faculty Development Program (FDP)

On

DATA ANALYTICS

23rd and 24th March 2018

ORGANISED BY

Department of Information Technology

Fr. Conceicao Rodrigues College of Engineering, Bandra

PATRONS

Rev. Fr. Peter D'Souza: Local Superior
Rev. Fr. Valerian D'Souza :Director
Dr. Srija Unnikrishnan :Principal

CONVENER

Prof. Jagruti Save
Head of Department,
Department of Information Technology
Email : jsave@frcrce.ac.in

COORDINATORS

Prof. Garima Tripathi – Asst. Prof.
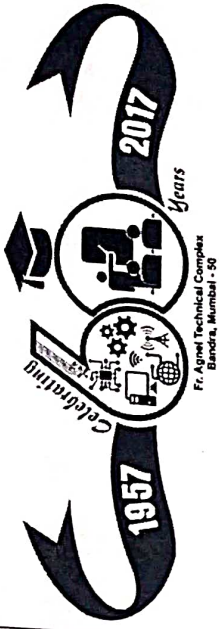Mob.: 9869695897
Email: garima@fragnel.edu.in

Prof. Jay Borade – Asst. Prof.
Mob.: 8108742762
Email: jay.borade@fragnel.edu.in

VENUE

Department of Information Technology
Fr. Conceicao Rodrigues College of Engg.

Phone: 022-67114000 Fax: 022-67114200
E-mail: crce@frcrce.ac.in
Website: http://www.frcrce.ac.in

How to Reach Take BEST Bus of Route No. 211 from Bandra Station West to reach Fr. Agnel Ashram. (Land Mark : Taj Land Ends)

Two Days FDP on

Data Analytics

Organised By

Dept. of Information Technology, Fr. CRCE, Bandra

REGISTRATION FORM

Name:
Designation:
Institution:
Address:
Phone:
Email:
Details of Payment: DD* / Cheque* / NEFT** / cash

DD/Cheque No: Date:
Bank:
Signature of Participant:
Date:

*DD/Cheque can be drawn in favour of "Fr. Conceicao Rodrigues College of Engineering", payable at Mumbai)

Details for NEFT

Institute Name	Fr. Conceicao Rodrigues College of Engineering
Name of the Bank	CORPORATION BANK
Name of the Branch	BANDRA(W), MUMBAI 400050
Branch Code	0120
NEFT IFSC Code	CORP 0000120
Type of Account(10/11/13)	SB (Code- 10)
Account No.	520141000955023

ABOUT THE 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 Pillar 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 Engineering, Computer Engineering and Information Technology. The College also offers full-time Masters Degree courses in Production Engineering (Robotics), Electronics Engineering and part-time Production Engineering (Manufacturing). The College is located at Bandstand, Bandra, Mumbai in a picturesque environment surrounded by the Arabian Sea.

VISION AND MISSION

"Moulding engineers who can build the Nation"
Fr. CRCE has been a center of excellence in engineering education, moulding engineers with state-of-the art technologies, innovative skills and human values matching with the growing expectations of corporates and society, and thus plays an effective role in nation building.

ABOUT DATA ANALYTICS

Data analytics is the process of examining large and varied data sets -- i.e., big data -- to uncover hidden patterns, unknown correlations, market trends, customer preferences and other useful information that can help organizations make more-informed business decisions.

Data analytics applications enable data scientists, predictive modelers, statisticians and other analytics professionals to analyze growing volumes of structured transaction data, plus other forms of data that are often left untapped by conventional business intelligence (BI) and analytics programs

HIGHLIGHTS OF THE PROGRAM

- Basic understanding of Data Analytics
- Demonstration of Data Analytics fundamentals using Case studies
- Discussion on various opportunities and Carrier scope in Data Analytics

PROGRAM SCHEDULE

Day1:
(Time: 9:30 a.m. to 5:00 p.m.)
- Inauguration
- Basic Understanding of Data Analytics
- Foundational Features of Data Analytics
- Applications and trends of Data analytics

Day2:
(Time: 9:30 a.m. to 5:00 p.m.)
- Introduction and recap from previous day
- Lecture session on ETL with real time example.
- Introduction various DA Tools in market.
- Solving of DA Case studies on Excel
- Discussion on advanced Data Analytics from carrier perspective.
- Valedictory Function and Closure

TARGET AUDIENCE

- Faculty members from varied engineering disciplines
- SE, TE, BE students from varied engineering disciplines.

RESOURCE PERSONS

Mr. Ashish Agarwal
Business Intelligence Developer,
FRSPL India Pvt. Ltd.

Mr. Varun Sharma,
Sr. Data Engineer, AERA Technology

REGISTRATION FEES

Participant fees   :   **INR 500/-**

Last Date of Registration : 21st March 2018

REGISTRATION FORM

Name:-_____

Designation:-_____

Institution:-_____

Address:-_____

_____

Phone:-_____

E-mail:-_____

Details of payment

(DD/Cheque can be drawn in favor of "THE PRINCIPAL, FR. CRCE , BANDRA(W)", Payable at Mumbai)

DD/Cheque No:_____

Bank:- _____

Date :-_____/_____/_____/

Signature of Participant :-_____

PATRONS
Fr. Peter D'souza: Local Chairman
Fr. Valerian D'souza: Director
Dr. Srija Unnikrishnan: Principal

CONVENER
Dr. Deepak Bhoir
Professor and Head
Department of Electronics Engineering

COORDINATORS

Prof. Sangeeta Parshionikar
Contact No. 9869 400 891
E-mail: sangeeta@fragnel.edu.in

Prof. Archana Lopes
Contact No. 9890599604
E-mail: archana_lopes@fragnel.edu.in

TARGET AUDIENCE
- Faculty and students of Engineering Colleges
- Faculty/Industry personnel with research interests in related areas

COURSE FEES

Academic Professionals: Rs. 1500
Students / Research scholars: Rs. 800

Please address all communication to:
HOD, Department of Electronics Engineering
Fr. C.R.C.E.
Fr. Agnel Ashram, Bandstand,
Bandra (W). Mumbai 400050
Website: http://www.frcrce.ac.in

Take BEST Bus of route No. 211 from Bandra Station (W) to reach Fr. Agnel Ashram

---

**Two Day Workshop
On**

Hands on FPGA Applications
23th - 24th Feb ,2018

Fr. Conceicao Rodrigues College of Engineering
Fr. Agnel Ashram, BandStand,
Bandra (W),
Mumbai-400050

Organized
By
Department of Electronics Engineering

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 and offers Bachelor's Degree in Production Engineering, Electronics Engineering, Computer Engineering and Information Technology. The College also offers full-time Masters' Degree courses in Production Engineering (CAD-CAM) and Electronics Engineering and Ph. D. in Electronics Engineering. The Electronics Department has organized many FDPs & Conferences on topics related to emerging areas in technology. The College is located at Bandstand, Bandra, Mumbai in a picturesque environment surrounded by the Arabian Sea.

Purpose

The FDP is aimed and designed to provide a better exposure for the faculty and students who intend to develop applications on FPGA. FPGAs are very popular due to their reconfigurable nature and provide solutions to many applications such as Consumer electronics, security systems, video & Image processing, wireless communication, medical electronics, aerospace, defense, neural networks etc.

Objective

- To equip faculty to prepare for topics in the revised syllabus of VLSI design
- To familiarize faculty with concepts related to digital, analog and mixed signal VLSI

Course Content

The course covers following topics:-

- FPGA architecture and design flow
- Create and debug HDL designs
- Synthesis & simulation mismatch and its relevance in FPGA design environment
- Use of IP cores in FPGA based system design
- Timing analysis in FPGA based designs
- Configuration in FPGA architecture features
- Extend the hardware system with Xilinx provided peripherals & Hardware debugging
- Case studies on FPGA implementation
-

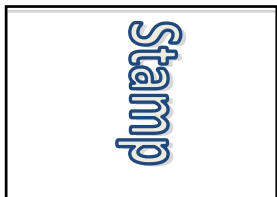### RESOURCE PERSON

Mr. Abhay Phansikar
Acevin,

Prof. Arati Phadke
Associate Professor,Electronics Engineering Department, K J Somaiya College Of Engg.

Mr Ganesh Gore
Co – Founder & CTO, Eduvance

To,
Fr. Conceicao Rodrigues College of Engineering
Fr. Agnel Ashram, Band Stand,
Bandra, Mumbai.
Pin 400050

Stamp

Fr. Conceicao Rodrigues College of Engineering, Bandra

Department of Electronics

Report

Two Days Faculty Development Program

on

"Hands on FPGA applications"

(February 23rd and 24th, 2018)

Convener

Dr. D.V. Bhoir
(Head of Electronics Dept.)

Co-ordinators
Ms. Sangeeta Pashionikar   **Ms. Archana Lopes**

Objective:

The FDP is aimed and designed to provide a better exposure for the faculty and students who intend to develop applications on FPGA. FPGAs are very popular due to their reconfigurable nature and provide solutions to many applications such as Consumer electronics, security systems, video & Image processing, wireless communication, medical electronics, aerospace, defense, neural networks etc. The main objective of the course was to identify emerging areas and develop new FPGA applications and enhance curriculum development. FDP also aim to provide practical exposure to participants and motivation to pursue their research work.

Participants:

We received **34 registrations**. Details are given in Annexure I

Arrangements:

Breakfast, tea and lunch were arranged for all the members reported for the program on both the days. Participants were given folder, writing pad and pen. Soft copy of all the presentations were mailed to them.

Programme Details:

The workshop was inauguarated on 23rd February 2018 at 9:30 am by Principal Dr. Srija Unnikrishnan and Dr. D.V. Bhoir, Head of Electronics Department. They also addressed the participants at the inaugural function.

Immediately after the inauguration, the session was started by **Mr. Abhay Phansikar, Acevin Solutions.** He introduced participants to FPGA, FPGA resources, its features and advantages. Sir guided them in when and for what all applications, FPGA can be used. He also discussed various case studies such as Radar timing controller, Video mixer, camera system management and Missiles & Munitions etc.

Post lunch session on first day was conducted by **Mr. Ganesh Gore, Chief Training Officer, Eduvance Ltd.** Sir started his session by introducing vhdl to participants.

Second day started with hands on FPGA. Participants were divided in groups of two. They started with the basic program of inverter, flip flops and so on. Sir told participants about various xilinx versions and FPGA boards and about selection of boards for the projects.

After this in the valedictory function, certificates were distributed to the participants . The programme concluded with vote of thanks by the co ordinators.

ACKNOWLEDGEMENT:

The coordinators of the workshop convey their sincere thanks for the help, commitment and dedication of all the faculty and supporting staff of CRCE for their timely support and assistance in organizing this event.

The coordinators wish to place on record their appreciation of the significant contribution and cooperation rendered by all the expert speakers for the smooth coordination of the program.

Last but not the least, we wish to thank all our participants for being a part of this event and make it a success.

Coordinators:

Ms. Sangeeta Parshionikar   Ms. Archana Lopes

ANNEXURE-I

LIST OF PARTICIPANTS

Sr.No.	Name of the Participant	Mail id	Contact Number	College
1	RENJIT KOSHI	Renjiboy2580@gmail.com	9833435229	FRCRCE
2	SHIVANI ANEKAR	Shivanianerkar13@gmail.com	8856068314	FRCRCE
3	VINAYAK KAMAT	Omkarkamat1995@gmail.com	9768378307	FRCRCE
4	GAUTAM PODDAR	Gautam34pr@gmail.com	9619645378	FRCRCE
5	YADNESH DHANAWADE	yadneshsud@gmail.com	7738095355	FRCRCE
6	KAUSTUBH MHATRE	krexianclass@gmail.com	9082737352	FRCRCE
7	AAYUSH RAVICHANDRAN	Aayush2298@gmail.com	8879302551	FRCRCE
8	SEN RAJAN	Senmathew329@gmail.com	9145119604	FRCRCE
9	ERIC MORAES	Moraeseric123@gmail.com	9762443410	FRCRCE
10	CARLTON DSILVA	Dsilva.carlton711@gmail.com	8879119107	FRIT
11	SANGEETH SADANAND	Sans451991@gmail.com	8850437029	RAIT
12	VAIBHAV NAGAR	Vaibhavnagar08@gmail.com	9757386805	FRCRCE
13	GARY REBELLO	Geryreb1999@gmail.com	9833094079	FRCRCE
14	SINGH PRATIK	psinghty@gmail.com	8779128634	FRCRCE
15	SACHIN WAGLE	Sachinwagle1105@gmail.com	9769985905	FRCRCE
16	HEENAKAUSAR PENDHARI	Heenak.pendhari@frcrce.ac.in	982139870	FRCRCE
17	GAURAV KOLAPALE	Gaurav.kolapale54@gmail.com	9967662745	FRCRCE
18	PRATIK PANDIT	Pksp604@gmail.com	9819561502	VCET
19	SANJOSE MARY	Sanjosemary904@gmail.com	8281630343	RAIT
20	SHILPA PATIL	shilpa@frcrce.ac.in	9167262644	FRCRCE
21	VRUSHALI KATKAR	Vrushalikatkar08@gmail.com	9702147981	RAIT

22	NILAM PATIL	Nilam.patil@rait.ac.in	8879275526	RAIT
23	RUPALI GULANDE	Rupali3185@gmail.com	7738843073	RAIT
24	KHUSHBU PICHANDE	Khushbu.pichande3@gmail.com	9892346541	RAIT
25	PRANIT PAWAR	pranit.pawar@hotmail.com	9029906986	FRCRCE
26	SAKSHI BHOSALE	Sakshi.bhosale@gmail.com	9757296001	FRCRCE
27	ANUJA INDORE	Anuja.indore@gmail.com	9892941660	FRCRCE
28	MUFEEZ LAMBAY	mufeezlambe@gmail.com	9920763581	FRCRCE
29	AKHIL MASURKAR	Akhil.masurkar@vit.edu.in	9819063308	VIT
30	SWATI KULKARNI	Swatikulkarni494@gmail.com	9960834763	Gulbarga Uni.
31	SHASHWATI SHENDE	shashashende@gmail.com	7420960478	FRCRCE
32	ISHPREETKAUR DHAM	Ishu.dham@gmail.com	8655740605	FRCRCE
33	SWAPNAJA LIMKAR	Swapnaja.limkar@gmail.com	9619380776	FRCRCE
34	GANESH BHIRUD	ganesh@frcrce.ac.in		FRCRCE

ANNEXURE II

BUDGET

BALANCE SHEET

Sr.No.	Item	Expenses(Rs)	Income(Rs)
1	Food	14000	
2	Certificates	392	
3	Honorarium	6000	
	Total(A)	20392	
	Income		
1	Faculty registration		9000
2	Student Registration		17500
	Total(B)		26500
	Balance(A-B)	**6108**	

ANNEXURE III

Workshop Photographs
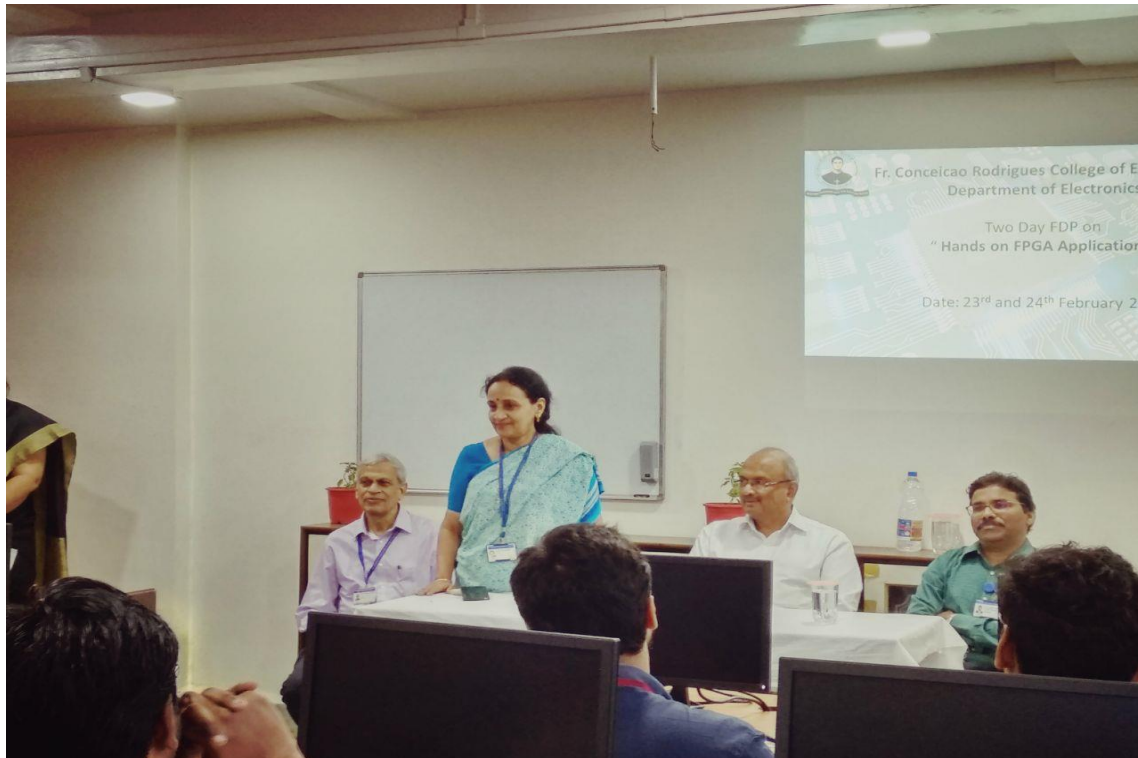
Two Days Faculty Development Programme on

Machine Learning

28th Feb & 17th March, 2019
22nd

ORGANISED BY

DEPARTMENT OF COMPUTER ENGINEERING
DEPARTMENT OF INFORMATION TECHNOLOGY

FR. CONCEICAO RODRIGUES
COLLEGE OF ENGINEERING
MOULDING ENGINEERS WHO CAN BUILD THE NATION

PATRONS

Fr. Peter D'Souza : Local Superior
Fr. Valerian D'Souza : Director
Dr. Srija Unnikrishnan : Principal

CONVENOR

Dr. Sunil K. Surve
HOD, Computer Department

Prof. Jagruti Save
HOD, Information Technology

RESOURCE PERSON

Mr. Mustafa Joherbhai Fatakdawala
SAFe Agilist
Tata Consultancy Services

COORDINATORS

Kalpana Deorukhkar(Computer)
Mob.: 9930273053 / Email: kalpanas@fragnel.edu.in

Roshni Padate(Computer)
Mob.: 9820847217 / Email: roshni@fragnel.edu.in

Sarika Davare (I.T)
Mob.: 8454027922 / Email: sarika.davare@frcrce.ac.in

Saurabh Kulkarni (I.T)
Mob.: 9167378073 / Email: saurabh.kulkarni@frcrce.ac.in

PLEASE ADDRESS ALL COMMUNICATION TO:

Fr. Conceicao Rodrigues College of Engg.
Phone: 022-67114000
Fax:022-67114200
E-mail: crce@frcrce.ac.in
Website: http://www.frcrce.ac.in

<u>REGISTRATION FOR R-PROGRAMMING</u>

Stamp

To,
Fr. Conceicao Rodrigues College of Engineering
Fr. Agnel Ashram, Bandstand,
Bandra (W). Mumbai - 400 050.
Maharashtra, India.

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 Engineering, Computer Engineering and Information Technology. The College also offers full-time Masters Degree courses in Production Engineering (Robotics), and part-time Production Engineering (Manufacturing). The College is located at Bandstand, Bandra, Mumbai in a picturesque environment surrounded by the Arabian Sea.

VISION AND MISSION

"Moulding Engineers who can Build the Nation" Fr. CRCE has been a center of Excellence in Engineering Education, moulding engineers with state-of-the art technologies, innovative skills and human values matching with the growing expectations of corporates and society, and thus plays an effective role in nation building.

ABOUT

Machine Learning (ML) is a specialized sub-field of Artificial Intelligence (AI), where algorithms can learn and improve themselves by studying high volumes of available data. Machine Learning aspires to mimic the human brain – learning by observation.

This course provides a introduction to machine learning, data mining, and statistical pattern recognition. There will be hands-on session on supervised learning algorithms (parametric/non-parametric algorithms, support vector machines, kernels).

- Machine Learning Basic
- Decision Tree Classifier - Information Gain / Gini Impurity / CHAID
- Over Fitting
- Ways to Overcome Overfitting
- Ensemble Learning
- Random Forrest
- Dimensionality Reduction
- Support Vector Machine(SVM)
- Hands on IRIS Data

PREREQUISITE

kaggle.com

Account on kaggle.com

Last Date of Registration

26th February, 2019

REGISTRATION FORM

Name _____

Designation _____

Institution _____

Address _____
_____

Phone _____

Email _____

Member of CSI/IEEE/ISTE: Yes / No
If Yes, Membership No: _____

Details of Payment:
(DD/Cheque can be drawn in favour of "THE PRINCIPAL, FR. CRCE., BANDRA (W)", payable at Mumbai)

DD/Cheque No: _____

Date: _____ Bank: _____

Date _____

Signature of Participant

REGISTRATION FORM

Name_____

_____

Designation_____

Date of Birth_____

Qualification_____

Institution_____

Experience in Teaching_____

Address(office):_____

_____

Phone_____

Email_____

Details of payment

(DD/Cheque can be drawn in favor of"THE PRINCIPAL Fr. CRCE., BANDRA (W)",Payable at Mumbai)

DD/Cheque No:_____

Chq. Date ___/___/___

Bank: _____

Date ___/___/___

Signature of Participant _____

PATRONS

Rev. Fr. Peter D'Souza: Local Superior
Rev. Fr. Valerian D'Souza: Director
Dr. Srija Unnikrishnan: Principal

CONVENOR

Dr. D.V Bhoir
Professor and Head
Department of Electronics Engineering

CO-ORDINATORS

Prof. Shilpa Patil
Department of Electronics Engineering
Contact No. 9167262644
E-mail: shilpa@frcrce.ac.in

Prof. Sushma Nagdeote
Department of Electronics Engineering
Contact No. 8850929910
E-mail: sushman@frcrce.ac.in

Address For communication :

Department of Electronics Engineering
Fr. ConcecaoRodrigues College of Engineering
Fr. Agnel Ashram,
Bandstand, Bandra (W)
Mumbai 400050
Tel. No.: 91-22-67114111
E-mail: bhoir@frcrce.ac.in
Website:http://www.frcrce.ac.in

How to reach
Take BEST Bus of route No. 211 from
Bandra Station West to reach Fr. Agnel Ashram
Approximately 3 Km
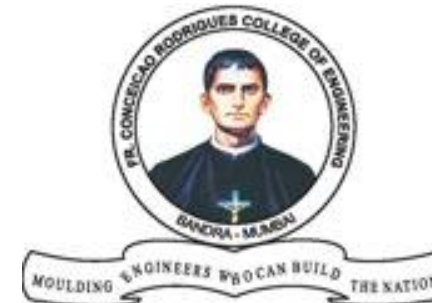
Two Days Faculty Development Programme

on

"TOWARDS A SHIFT IN TEACHING PARADIGM"

February 1st-2nd, 2019

ORGANIZED BY

**Department
of
Electronics Engineering**

Fr. Conceicao Rodrigues College of Engineering

Fr. Agnel Ashram, Bandstand, Bandra (W)
Mumbai - 400 050

ABOUT INSTITUTE

Fr. Conceicao Rodrigues College of Engineering (CRCE) was established in1984 as a 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 Engineering, Computer Engineering, and Inform-ation Technology. The College also offers full-time Masters Degree courses in Production Engineering (CAD-CAM with Robotics) and Electronics Engineering and doctoral programmes in Electronics Engineering and Mechanical Engineering. The institute has organized many FDPs on topics related to emerging areas in technology and as well as in relevant topics.

VISION AND MISSION

"Moulding Engineers who can Build the Nation" Fr. CRCE has been a center of Excellence in Engineering Education, moulding engineers with state-of-the art technologies, innovative skills and human values matching with the growing expectations of the corporate and the society and thus plays an effective role in nation building.

ABOUT DEPARTMENT

The Department of Electronics Engineering was established in 1987. The Department conducts 4 year undergraduate course (B.E. Electronics), 2 year Post-graduate course (M.E. Electronics) and Research Center in Electronics Engineering. The Department has committed faculty with rich teaching and industrial experience with quality publications. The department is accredited by National Board of Accreditation till 2020. The academic performance and real life project execution is the strength of the department. The department works with the commitment and resolve to keep the laboratories updated with the latest technologies in hardware and software field. This helps to adopt innovative teaching methodologies and impart quality education in the field of Electronics Engineering.

PURPOSE

Advance pedagogy is the way to enhance teaching and learning experience. Different innovative teaching methods are now in use across the globe. Use of Information and Communication tools for different tasks like teaching, designing question papers, assessment of student, feedback and research methodology needs to be adopted by teachers. Teachers should thus apply themselves to utilizing innovative methods so that the students' learning process is as free-flowing as possible and that the methodology they adopt is conducive to learning. This programme aims at giving the teachers exposure to innovative teaching and learning methodologies and application of ICT in order that they can motivate and engender a spirit of learning as well as enthusiasm on the part of students.

COURSE CONTENT

The course covers the following topics:

- Pedagogy Techniques for classroom teaching

- Design thinking for teaching and curriculum

- Open source tools for teaching learning

- Disruptive technologies in education

- Effective use of ICT for classroom teaching

RESOURCE PEOPLE

The sessions will be conducted by the renowned Faculties in the field of Education Technology and Innovative teaching.

REGISTRATION FEES

Participants from academic Institutes: Rs. 800/- Mode of Payment: Cheque/Demand Draft/ Cash

TARGET AUDIENCE

This course is intended for faculty members and PG students who desire to make career in teaching profession.

To,
Fr. Conceicao Rodrigues College of Engineering
Fr. Agnel Ashram, Bandstand,
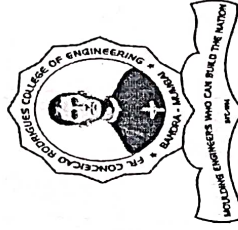Bandra (W), Mumbai - 400 050.
Maharashtra, India.

Stamp

Two Day Faculty Development Programme on

Android Programming

30th & 31st August, 2019

ORGANISED BY

Department of Computer Engineering
&
Department of Information Technology

FR. CONCEICAO RODRIGUES
COLLEGE OF ENGINEERING
MOULDING ENGINEERS WHO CAN BUILD THE NATION

PATRONS

Fr. Peter D'Souza : Local Superior
Fr. Valerian D'Souza : Director
Dr. Srija Unnikrishnan : Principal

CONVENOR

Dr. B.S. Daga
HOD, Computer Engineering

Dr. Jagruti Save
HOD, Information Technology

SPEAKER

Mr. Shantanu Iyengar

COORDINATORS

Prof. Ashwini Pansare (Computer)
Mob.: 9821530672 / Email: ashwinip@fragnel.edu.in

Prof. Dipali Koshti (Computer)
Mob.: 9819151054 / Email: dipalis@fragnel.edu.in

Prof. Prachi Patil (I.T)
Mob.: 9969465845 / Email: prachi@frcrce.ac.in

Prof. Prajakta Bhangale (I.T)
Mob.: 9833720466 / Email: prajakta.bhongale@frcrce.ac.in

PLEASE ADDRESS ALL COMMUNICATION TO:

Fr. Conceicao Rodrigues College of Engg.
Phone: 022-67114000
Fax:022-67114200
E-mail: crce@frcrce.ac.in
Website: http://www.frcrce.ac.in

HOW TO REACH
Take BEST Bus of Route No. 211 from Bandra Station West to
reach Fr. Agnel Ashram. (Land Mark : Taj Land Ends)

REGISTRATION FOR R-PROGRAMMING

Stamp

To,
Fr. Conceicao Rodrigues College of Engineering
Fr. Agnel Ashram, Bandstand,
Bandra (W). Mumbai - 400 050.
Maharashtra, India.

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 Scinece, Computer Engineering, Mechanical Engineering and Information Technology. The College also offers full-time Masters 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.

VISION AND MISSION

"Moulding Engineers who can Build the Nation" Fr. CRCE has been a center of Excellence in Engineering Education, moulding engineers with state-of-the art technologies, innovative skills and human values matching with the growing expectations of corporates and society, and thus plays an effective role in nation building.

ABOUT THE COURSE

Android programming is the need of an hour. Businesses today are turning to mobile applications to tap a higher customer base It allows you to develop feature rich applications with great functionality and usability.

Features of Android

- Faster deployment
- Target multiple platforms
- Versatility and Scalability
- Enhanced Security
- Customization

- Installing Android Studio and Cross Platform Integrated Environment.
- Develop User Interface and Layouts for Android App.
- Use Intents to broadcast data within and between Applications.
- Use Content providers and Database handling using SQLite.
- Android APIs for Camera and Location Based Service.

BENEFITS TO PARTICIPANTS

- Early exposure to BE Course.
- Case Study based teaching approach.
- Helpful in developing mini projects
- Hands on Workshop.
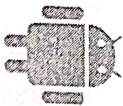
HIGHLIGHTS

Android App Building contest with attractive cash prizes.

COURSE FEES

- Faculty Rs. 800/- (including meals)
- Students Rs. 150/- (excluding meals)

DETAILS FOR (NEFT)

Institute Name : Fr. Conceicao Rodrigues College of Engineering
Name of the Bank : CORPORATION BANK
IFSC Code : CORP0000120
Account No. : 520141000955023

In Collaboration with

E-CELL CRCE

REGISTRATION FORM

Name _____

Designation _____

Institution _____

Address _____

Phone _____

Email _____

Member of CSI/IEEE/ISTE: Yes / No
If Yes, Membership No: _____

Details of Payment:
(DD/Cheque can be drawn in favour of "FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING", payable at Mumbai)

DD/Cheque No: _____

Date:_____   Bank:_____

Date:_____

Signature of Participant

REGISTRATION FORM

Name_____

_____

Qualification _____

Designation _____

Institution_____

Experience:_____

Address(office):_____

_____

Mobile:_____

Email_____

Details of payment

(DD/Cheque can be drawn in favor of "Fr. C. Rodrigues College of Engineering", Payable at Mumbai)

DD/Cheque No:_____

Chq. Date ___/___/___

Bank: _____

Date ___/___/___

Signature of Participant _____

PATRONS

Rev. Fr. Peter D'Souza: Local Superior
Rev. Fr. Valerian D'Souza: Director
Dr. Srija Unnikrishnan: Principal

CONVENOR

Dr. S. U. Prabhu
Professor and Head
Department of Electronics and Computer Science (ECS)

CO-ORDINATORS

Prof. Monica Khanore
Associate Professor
Contact No. 9821274347
E-mail: khanore@frcrce.ac.in

Prof. Archana Lopes
Assistant Professor
Contact No. 9890599604
E-mail: archana_lopes@fragnel.edu.in

Address For Communication :

Department of Electronics and Computer Science
Fr. Concecao Rodrigues College of Engineering
Fr. Agnel Ashram, Bandstand, Bandra (W)
Mumbai 400050
Tel. No.: 91-22-67114111
E-mail: sapna@frcrce.ac.in
Website:http://www.frcrce.ac.in

How to reach
Take BEST Bus of route No. 211 from Bandra Station West to reach Fr. Agnel Ashram Approximately 3 Km

---

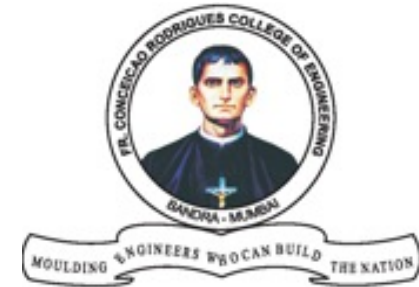**Two-Day Faculty Development Programme**

on

"Python Programming: Basics to Advanced"

August 30th -31st, 2019

ORGANIZED BY

**Department
of
Electronics and Computer Science**

Fr. Conceicao Rodrigues College of Engineering

Fr. Agnel Ashram, Bandstand, Bandra (W)
Mumbai - 400 050

ABOUT THE INSTITUTE

Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE) was established in1984 as a 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 Institute is affiliated to the University of Mumbai and offers Bachelor's Degree courses in Production Engineering, Electronics and Computer Science, Computer Engineering and Mechanical Engineering. The Institute also offers full-time Masters Degree course in Mechanical Engineering (CAD-CAM with Robotics) and Doctoral programmes in Electronics Engineering and Mechanical Engineering. The Institute has organized many programmes on topics related to emerging areas in technology.

ABOUT THE DEPARTMENT

The Department of Electronics Engineering was established in 1987. The department conducts 4-year undergraduate course in B.E. Electronics. The Department has committed faculty with rich teaching and industrial experience and is accredited by National Board of Accreditation (NBA) till 2020. Based on the current market demand, the course has been changed to Electronics and Computer Science and reframed with an optimum mix of subjects in Electronics as well as Computer Science. The department works with the commitment and resolve to keep the laboratories updated with the latest technologies in hardware and software. This helps in adopting innovative teaching methodologies and imparting quality education in the field of Electronics and Computer Science.

PURPOSE

Python is a language that is remarkably easy to learn, and it can be used as a stepping stone into other programming languages and frameworks. It is open source and community developed. Python is widely used by a number of big companies including Google, Pinterest, Instagram, Disney, Yahoo!, Nokia, IBM, and many others. The Raspberry Pi - which is a mini computer and DIY lover's dream - relies on Python as it's main programming language too. Most automation, data mining, and big data platforms rely on Python. Python allows for a more productive coding environment than massive languages.

COURSE CONTENT

The course includes Hands-on sessions on the following topics:

- Basics of Python
- Advanced Python:
    - o Python File Handling
    - o Python Database Connectivity
    - o Introduction to Web Framework
    - o Introduction to Data Science and Machine Learning

RESOURCE FACULTY

The sessions will be conducted by Industry personnel.

REGISTRATION FEES

Faculty: Rs. 700/-
Students: Rs. 500/-
Mode of Payment: Cheque/Demand Draft/ NEFT

TARGET AUDIENCE

This course is intended for faculty members and students who desire to learn Python Programming.

DETAILS FOR NATIONAL ELECTRONIC FUND TRANSFER (NEFT)

1	Institute Name	Fr. Conceicao Rodrigues College of Engineering
2	Particulars of Bank Account	CLSB
	Name of the Bank Branch	CORPORATION BANK BANDRA(W), MUMBAI 400050
	Branch code	0120
	Address	Fr. Agnel Ashram, Bandstand, Bandra(W), Mumbai-400050
	City	Mumbai
	NEFT IFSC Code	CORP0000120
	Type of Account (10/11/13)	SB (Code-10)
	Account No.	520141000955023
3	GST Registration No.	27AABTS9182Q1ZI

About the Student Development Programme

CRCE has been successful in maintaining its high placement statistics over the years and the fact that our students bear the recession blues with record breaking placements itself is a testimony to our quality. Our ingenious alumni have set new standards in the corporate world through their estimable contributions.

With the coronavirus pandemic wreaking havoc on businesses, Engineering students are staring at an uncertain future as companies are showing little interest in college recruitment, while those already hired are either seeing offers rescinded or deferred. With companies putting their recruitment drives on hold, students in India are staring at a tough year ahead.

We at **CRCE** are committed to providing the best of training to our students and will try to defeat the COVID19 situation and ensure healthy placement drives. We need our students to be part of this proactive step. This SDP aims at grooming our upcoming batch of students to be job ready for placements in IT/Software and other core companies by making their computer science and other core fundamentals strong with emphasis on improving coding & problem-solving skills and enriching their skill set.

We have invited industry players on board for this programme, who are doing well in their respective careers. These speakers will enlighten you about the industry perspective of the placement process and how they assess a potential candidate for the job. Our brilliant alumni's will share their interview experiences and provide tips on do's and don'ts of the interview process. There will be sessions by experts on cutting edge technologies and trending programming languages.

We are sure that after attending this Student Development Programme, students will notice a huge improvement in their confidence and will have a clearer picture of the interview process, and ability to crack the same, making you all ready for the challenges ahead.

Programme Content

1. OOPS concepts for interview preparation.
2. Competitive Coding Interview Questions.
3. Company specific interview tips.
4. Do's and Don'ts of the Interview Process.
5. Story from the other side: How an interviewer assesses a candidate.
6. Group Discussion: Tips and tricks.
7. Cloud Computing services adaption in Projects.
8. Golang For Microservices and its applications.
9. Angular Js and JDBC integration with demo application.
10. Jenkins tool for Continuous code Integration.
11. Web application, Infrastructure deployment using Apache, Tomcat & IIS Web Server.
12. How to prepare for Linux based interview questions.

Gaurav Sen
Software Engineer, UBER and YouTuber

Karan Gohil
Cloud Solutions Engineer at Google

Swapnil Khetan
Manager - Procurement & Supply Chain Practice at Michael Page

Jennifer Reuben
DevOps Engineer at BNP Paribas

Melwyn Saldanha
Software Engineer at People Interactive

Gaurav Shinde
Software Engineer, JP Morgan Chase & Co

Edwin Clement
Software Engineer at BrowserStack

INVITED SPEAKERS

Mahendra Mehra
Assistant Professor Certified Ethical Hacker CRCE

Akash Palghadmal
Analytical Development Analyst at MSCI Inc.

Ashley Lobo
Programmer Final Year Student Winner of SIH 2019

Closing Report of Student Development Program on "Grooming for Placements By Industry Experts"
Date(s) : 24th May 2020 – 28th May 2020

Department : Computer Engineering

Coordinators

Prof. Sunil Chaudhari

Prof. Ashwini Pansare

Prof. Monali Shetty

Co-Coordinators

Prof. Mahendra Mehra

Prof. Supriya Kamoji

Prof. Dipali Koshti

TABLE OF CONTENTS

1. **Objectives**
2. **Contents**
3. **Participants**
4. **Workshop Programme**
5. **List of Distinguished Speakers**
6. **List of Participants**
7. **Feedback by the Participants**
8. **Results of Quiz**
9. **Photo Gallery**
10. **Presentations in form of digital content.**

1. Objective of SDP

Computer Engineering department of fr. Conceicao Rodriguez college of Engineering had organised a first ever online five days Student Development program on **"Grooming for placements by Industry Experts"** from 24th to 28th May, 2020. The objective of the workshop was to groom upcoming batch of students from all branches of our college to be job ready for placements in IT/Software and other core industries by making their computer science and other core fundamentals strong by emphasizing on improving coding ,problem-solving skills and enriching their skill set. The main highlight of the program was our resource persons who were experts from reputed industries excelled in their chosen career. The Experts enlightened students about the industry perspective of selecting potential candidates , guided them about the skills needed and gave them the roadmap by providing resources and motivation to get a better placement opportunity in dream and superdream companies. Our brilliant alumni shared their interview experiences and provided tips on do's and don't of the interview process. Students were made aware of cutting edge technologies and trending programming languages through sessions on Jenkins,golang and angular js.

2. SDP Contents

The following topics were covered in the course

1. Interview Preparation checklist
2. OOPS concepts for interview preparation.
3. How to prepare Database Interview Questions
4.   Competitive Coding Interview Questions.
5. Story from the other side: How an interviewer assesses a candidate
6. How to prepare for Linux based interview questions and learning Linux skills from industry perspective
7. Golang For Microservices and its applications
8. Angular Js and JDBC integration with demo application.
9. Jenkins tool for Continuous code Integration
10. preparation for HR interview rounds
11. Importance of System Design Skills

3. Participant's Profile

428 students from all branches of FR. CRCE ranging from first year to fourth year participated and benefited from the program.

4 : Day wise flow of the Program

Welcome Address:

Day 1 began with a welcome address by prof. Mahendra Mehra , assistant professor, computer engineering department. He welcomed all the Student participants and resource person of the first session, Mr. Swapnil Khetan followed by his talk.

Course details:

Day 1 – 24/5/2020

Session 1: How an Interviewer assess a potential candidate

First session conducted on 24/5/2020 by Mr. Swapnil Khetan, Michel Page, Manager – Procurement and Supply Chain. He explained that mindset training is also important along with technical and soft skill training to improve employability. He shared his views on the importance of certification to grow a skill set which will help in securing a job after COVID situation. Students had many queries regarding interviews and technical skills which were well addressed by Mr. Swapnil .

Session 2: Interview Preparation Checklist

Second session of the day was conducted by Mr. Edwin Clement, Software Engineer, BrowserStack. His talk was majorly focused on "what and how ". What students should do in each year of Engineering journey and how they should do it. He elaborated on tips and tricks to prepare for a technical interview. He mentioned how to improve programming skills, knowledge of which programming language is must and the timeline students should follow from First year to Final year. He motivated students to grab more internships and the sources to acquire the same. Further his talk was about how useful alumni guidance is , how valuable Hackathons are, his own Hackathon experience etc. He inspired students to

excel in competitive coding, mentioned the importance of Github profile and suggested students to get freelance jobs online.

Session 3: Coding Skills Enhancement

Third session of the day started at 2.00 pm. It was conducted by Mr. Karan Gohil, Cloud Solutions Engineer, Google. He started his presentation by mentioning what qualities an individual requires to be a good programmer. He covered a few questions which are asked in coding rounds. Keeping in mind the necessity of cloud computing knowledge he briefed students about cloud architect, concepts and terminologies related to this field. He even discussed his experience of progressing from a developer at TCS to cloud solution engineer at Google.

Day 2 – 25/5/2020

Session 1: Linux based Interview Questions

Second day of the program i.e. 25/5/2020, started with a session by Mr. Mahendra Mehara, PhD Scholar, Assistant Professor at Fr. CRCE, on topic Linux based interview questions at 9:30. He highlighted the importance of learning Linux OS, career prospects in Linux administration and how to prepare for Linux based interview questions.

Session 2: DevOps Tools - Jenkins

Second session of the day was conducted by Ms. Jenifer Reuben , DevOps Engineer , BNP Paribas on the topic DevOps tools - Jenkins at 12 pm . She introduced the need of Devops practice in software development and demonstrated a small application using the build pipeline in Jenkins.

Session 3: Database Interview Questions

Third session of the day began at 2.00 pm and was conducted by Mr. Leon D'souza , Software Developer, MSCI Inc. on how to prepare Database interview questions. He discussed interview questions based on SQL, how to approach in solving those questions, and the difference between SQL and NoSQL. The session covered wide questions asked by an interviewer in the DBMS domain.

Day 3 – 26/5/2020

Session 1: Object Oriented Programming Concepts

The third day of the program began at 9:30am with a session by Mr. Aakash Palghadmal, Analytical Development Analyst, MSCI Inc. His talk was a smooth ride for participants to gain insights of object oriented programming language features. He began with a difference between procedure oriented and Object oriented Programming language followed by detailed explanation of each feature of oop language feature. He later demonstrated various interview questions which are asked in technical rounds of companies on these topics along with understanding of questions and answers. participants could clear many of their doubts through the question answer section at the end of his talk.

Session 2: HR Interview Questions

Second session of the day was conducted by Dr. Khushbu Trehan, Professor and Employability Skills Trainer. She started her discussion with commonly asked questions in HR rounds of placements. Around 10-12 questions were discussed along with tips on do's and don't while answering them. She had an impactful session demonstrating equal importance of HR interview along with technical interview. She even groomed students about dress code and soft skills to be used during the process.

Day 4 – 27/5/2020

Session 1: Angular, JDBC Integration

On the fourth day, Mr. Gaurav Shinde, Software Engineer, JPMorgan Chase & Co. delivered session on Angular, JDBC Integration. He covered basic JDBC architecture, angular JS, spring framework, spring JDBC. He guided students about frameworks to be used at beginner level for front end and back end.

Session 2: Golang for Microservices

Second session conducted by Mr. Melwyn Saldanha, Software Engineer , People Interactive. Melwyn gave an overview of the syntax and semantics of Go Language and its comparison with the other high level programming languages like python, java. Finally he emphasized the use of golang in the world of Microservices and shared some learning material with respect to the same.

Day 5 – 28/5/2020

Session 1: System Design

The final day of the program started with the session by Mr. Gaurav Sen, Software Engineer and Youtuber. His talk was based on system design. He explained to the participants how algorithms and system design can be a powerful combination by taking a case study of online teaching platform" goto meeting". He even motivated students to give emphasis on learning your basics strongly to develop any big problem statement with an ease.

Session 2:Competitive Coding(Hands-On)

Second and last session of the program was conducted by Mr. Ashley Lobo, programmer, Hackathon winner, Final year student of Fr. CRCE. He introduced students about competitive coding platforms which can be used to practice and improve coding skills. He discussed coding problems along with concepts like basics of coding, problem analysis, Ad-Hoc problems and complete search, Greedy and Dynamic programming design strategy. Main focus of his talk was to make students aware so that more and more students use competitive coding platforms to improve their coding ability.

Closing ceremony:

After the five days of technical discussions the program came to an end by vote of thanks by Mrs. Ashwini Pansare. She thanked the college management for their encouragement and support for organizing the SDP program. She also thanked all the resource persons who contributed their time and expertise in making the program successful.

The program received an overwhelming response by 428 participants . All participants were requested to submit their valuable feedback. Quiz was organised for all the participants on the final day of the program . Participants who successfully completed the quiz were awarded with an E-certificate. were distributed to participants based on a quiz. Participants gave positive feedback about the program and showed their willingness to participate again in similar kinds of programs to be conducted in the near future by college.

The program concluded by giving a clear picture of interview processes to all the participants, confidence to face it and ability to crack it and made them ready for the challenges ahead.

Future Perspectives:

The Department of Computer Engineering and Placement Cell is looking forward to organizing future workshops for overall student development on topics such as how to improve communication skills and soft skills, guidance from alumni on the checklist of things needed for higher studies and company specific placement guidance.

5. List of Distinguished Speakers

Mr. Swapnil Khetan Michael Page, Manger – Procurement & Supply Chain	Mr. Edwin Clement Software Engineer, BrowserStack
Mr. Karan Gohil Cloud Solutions Engineer, Google	Mr. Mahendra Mehra PhD Scholar, Assistant Professor at Fr. CRCE, Certified Ethical Hacker, EC Council. Oracle Certified Cloud foundation Associate. Star Certified (CLOUD, DevOps, Ethical Hacking) Trainer
Ms. Jenifer Reuben DevOps Engineer, BNP Paribas	Mr. Leon D'souza Software Developer, MSCI Inc.
Mr. Aakash Palghadmal, Analytical Development Analyst, MSCI Inc.	Mr. Gaurav Shinde Software Engineer, JPMorgan Chase & Co.
Dr. Khushbu Trehan Professor and Employability Skills Trainer. Dale Carnegie Certified Trainer. British Council Certified IELTS Trainer	Mr. Melwyn Saldanha Software Engineer, People Interactive
Mr. Gaurav Sen Software Engineer and YouTuber	Mr. Ashley Lobo Programmer, Final Year Student, SIH 2019 Winner, ACM ICPC 2019 Regional Finalist

6. List of Participants

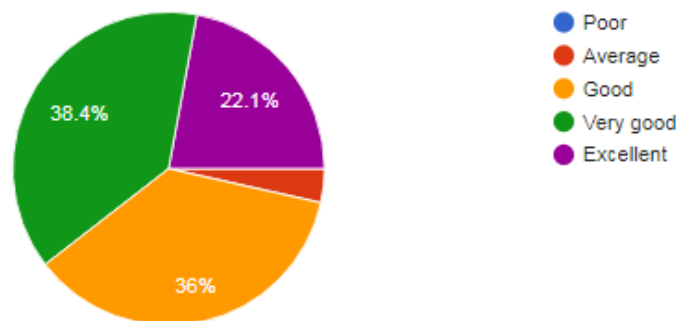Detailed list of participants is attached with the report.

7. Feedback by the Participants

The following feedback was received from the participants:

1. **96% of the participants felt that the coverage of the topic was good.**
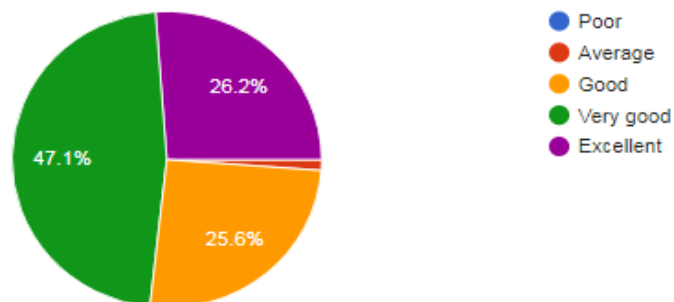
How will you rate the coverage of topics of 5 days

172 responses

- Poor
- Average
- Good
- Very good
- Excellent

38.4% 22.1% 36%

2. **98% participants were of the opinion that the knowledge and presentation of all the speakers was very good.**

How will you rate the knowledge and presentation skill of all speakers

172 responses

- Poor
- Average
- Good
- Very good
- Excellent

26.2% 47.1% 25.6%

How will u rate the conduct of whole program

172 responses

Legend:
- Poor
- Average
- Good
- Very good
- Excellent

(Pie chart values: 25.6%, 43%, 27.9%)
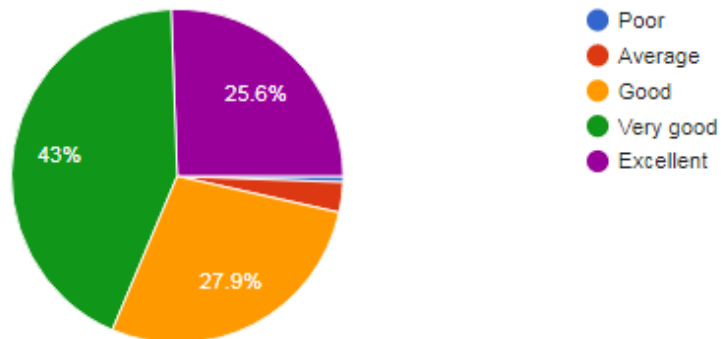
3. Participants felt that such SDP should be arranged regularly.

Will you be interested in attending any such similar programme in the future?
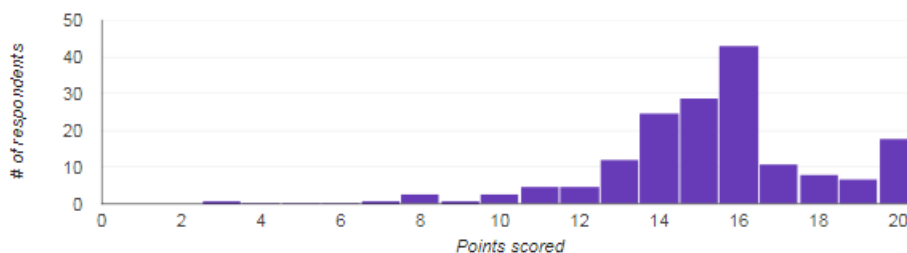
Anonymous Poll

82% Yes ✓

2% No

16% Maybe

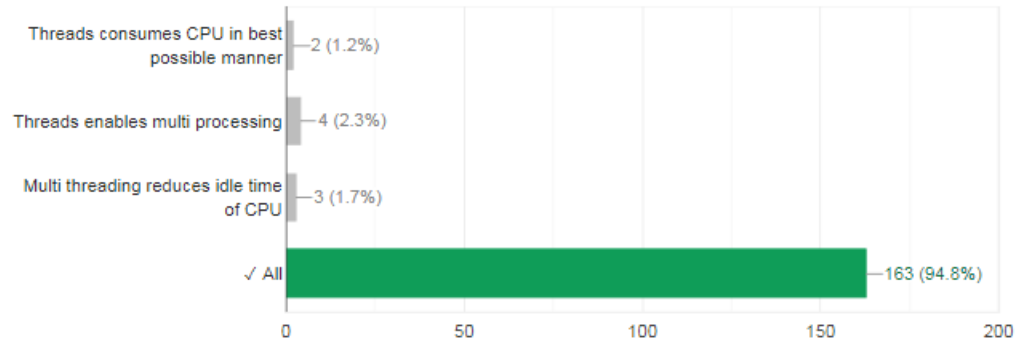142 votes   3:15 PM

8. Results of Quiz

Average	Median	Range
15.35 / 20 points	16 / 20 points	3 - 20 points

Total points distribution

SDP Grooming for placements By Industry Experts Computer Engineering Department and Training & Placement Cell Fr.C.R.C.E.

What is true about threads?

163 / 172 correct responses

9. Photo Gallary

First Year

- Go back and refresh on C. No need to master it. But understand the basics of coding(Variables, Data types, Arrays, Looping, Conditionals, Functions)

- If you like challenges, go and check out https://www.hackerrank.com/domains/cpp for some nice intro to object oriented programming(C++). Java also works.

- Interact with seniors about their projects and extra curricular activities.

- Enjoy College life, best 4 years for a while. (*circa.* before coronavirus)

What does it take to be good programmer

Qualities required for a good programmer

- Self-Drive
- Logic
- Abstract Code
- Data-Structures
- Testing
- Language
- Attention to Details
- Approach to Problem
- Grip on Dev-Ops

SDP Grooming for placements By Industry Experts Computer Engineering Department and Training & Placement Cell Fr.C.R.C.E.

SDP Grooming for placements By Industry Experts Computer Engineering Department and Training & Placement Cell Fr.C.R.C.E.

SDP Grooming for placements By Industry Experts Computer Engineering Department and Training & Placement Cell Fr.C.R.C.E.

SDP Grooming for placements By Industry Experts Computer Engineering Department and Training & Placement Cell Fr.C.R.C.E.

SDP Grooming for placements By Industry Experts Computer Engineering Department and Training & Placement Cell Fr.C.R.C.E.

SDP Grooming for placements By Industry Experts Computer Engineering Department and Training & Placement Cell Fr.C.R.C.E.

SDP Grooming for placements By Industry Experts Computer Engineering Department and Training & Placement Cell Fr.C.R.C.E.

Polls Taken on Telegram Group:

Telegram was used as a medium to interact with the students for polling. screenshots of few sample polls are included below for reference.
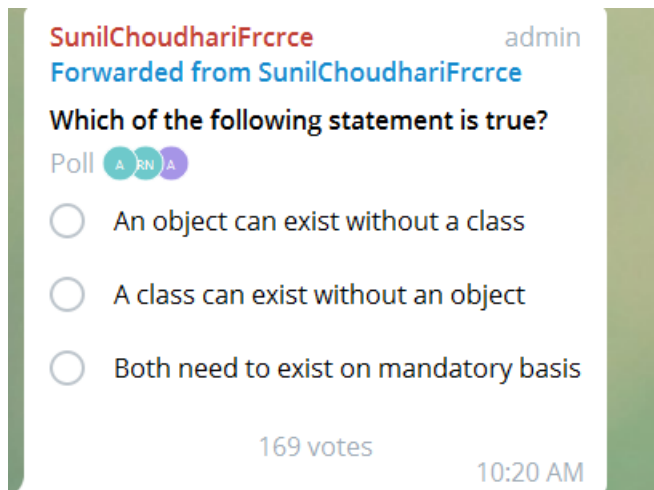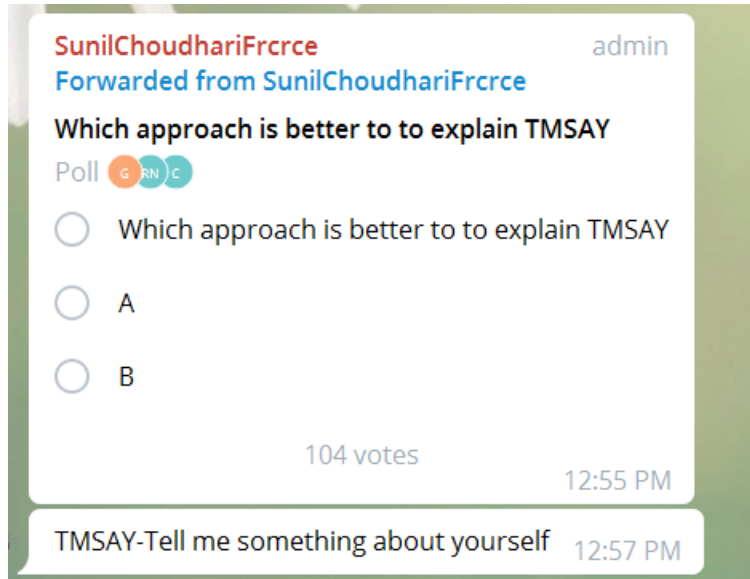
10.Presentations of all sessions are available in form of video links of all sessions as given below:

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING, BANDRA(W) DEPARTMENT OF COMPUTER ENGINEERING STUDENT DEVELOPMENT PROGRAMME 2020 DAY WISE SCHEDULE

(Click on the link in last column to watch video)

Day	Time (IST)	Speaker	Topics
Day 1 (24/5/2020) Sunday	11:00 am - 12:00pm	Mr. Swapnil Khetan Michael Page, Manger – Procurement & Supply Chain	How an interviewer assess a potential candidate
	12:00 pm - 1:00 pm	Mr. Edwin Clement Software Engineer, BrowserStack	Interview Preparation Checklist
	2:00 pm - 3:00 pm	Mr. Karan Gohil Cloud Solutions Engineer, Google	Coding Skills Enhancement
Day 2 (25/5/2020) Monday	10:00 am - 11:00am	Mr. Mahendra Mehra PhD Scholar, Assistant Professor at Fr. CRCE, Certified Ethical Hacker, EC Council. Oracle Certified Cloud foundation Associate. Star Certified (CLOUD, DevOps, Ethical Hacking) Trainer	Linux based Interview Questions
	12:00 pm - 1:00 pm	Ms. Jenifer Reuben DevOps Engineer, BNP Paribas	DevOps Tools -Jenkins
	2:00 pm-3:00 pm	Mr. Leon D'souza Software Developer, MSCI Inc.	Database Interview Questions
Day 3 (26/5/2020) Tuesday	9:30 am -11:00 am	Mr. Aakash Palghadmal, Analytical Development Analyst, MSCI Inc.	OOPS Concept Part 1 OOPS Concepts part 2
	12:00 pm – 1:00pm	Dr. Khushbu Trehan Professor and Employability Skills Trainer. Dale Carnegie Certified Trainer. British Council Certified IELTS Trainer	HR Interview Questions

Day 4 (27/5/2020) Wednesday	10:00 am -11:00am	Mr. Gaurav Shinde Software Engineer, JPMorgan Chase & Co.	Angular , JDBC Integration
	12:00 am – 1:00pm	Mr. Melwyn Saldanha Software Engineer, People Interactive	Golang for Microservices
Day 5 (28/5/2020) Thursday	10:00 am - 11:00pm	Mr. Gaurav Sen Software Engineer and YouTuber	System Design-Case Study GoToWebinar
	12:00 am – 1.00pm	Mr. Ashley Lobo Programmer, Final Year Student, SIH 2019 Winner, ACM ICPC 2019 Regional Finalist	Competitive Coding (Hands-on)
			Click here to download All PPT/PDF/reference material

`

Contact for Further Information:

Prof. Sunil Chaudhari |Mob: 9987112768 | Email:sunil_chaudhari@fragnel.edu.in

Prof. Ashwini Pansare |Mob: 9821530672 | Email: ashwinip@fragnel.edu.in

Prof. Monali Shetty| Mob: 7276745903 | Email: monali_shetty@fragnel.edu.in

We Conclude with beautiful Amrut-Tushar (Priceless Thought),

To do constructive work with sincerity, skill & love is the true worship of God, and this attitude alone has the power to make the Nation surpass all other Nations in the world.

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

FR. AGNEL TECHNICAL COMPLEX
FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
EST.-1953
BANDRA - MUMBAI

fr.CRCE
FR. CONCEICAO RODRIGUES
COLLEGE OF ENGINEERING
MOULDING ENGINEERS WHO CAN BUILD THE NATION

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

STAR CERTIFICATION

TECHNOLOGY PARTNER

CLICK HERE TO REGISTER

DISRUPTIVE TECHNOLOGIES OF INDUSTRY 4.0

IoT

INTERPERSONAL SKILLS

3D PRINTING

SENSORS   ROBOTICS

DATA SCIENCE

DRONES   CYBERSECURITY   CLOUD COMPUTING   BLOCKCHAIN

CPS   ADDITIVE MANUFACTURING

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)
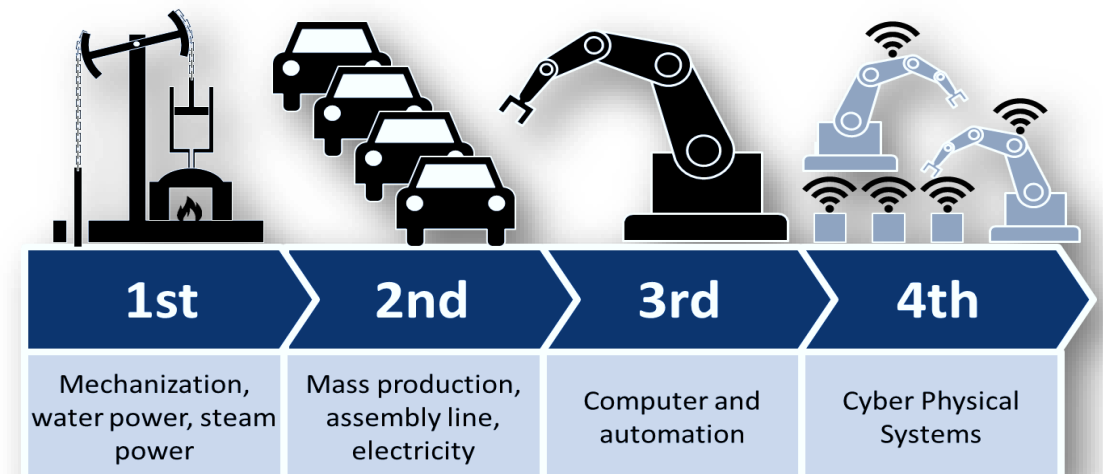
1st	2nd	3rd	4th
Mechanization, water power, steam power	Mass production, assembly line, electricity	Computer and automation	Cyber Physical Systems

PATRONS

Rev. Fr. Peter Dsouza, Local Superior

Rev. Fr. Valerian Dsouza, Director

Dr. Srija Unnikrishnan, Principal

CONVENER

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

PROGRAM COMMITTEE

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. Software Engineer
VMware, USA

Mr. Dheeraj Anchan
Principal Research
Scientist, ISRO

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

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

Mr. Mustafa Fatakdawala
Data Scientist
TCS, Mumbai

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

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING, BANDRA(W)
DEPARTMENT OF COMPUTER ENGINEERING
FACULTY DEVELOPMENT PROGRAMME 2020
DAY WISE SCHEDULE

Day	Time (IST)	Speaker	Topic
Day 1 (30/5/2020) Saturday	10:30 am - 11:30 am	**Dr. Kalpesh Parikh** MD & CEO Intellisense ITsys Pvt. Ltd, Gujarat	**Keynote Speech**
	12:00 pm - 1:00pm	**Mr. Dheeraj Anchan** Principal Research Scientist, ISRO	**Block Chain Technology for Industry 4.0**
Day 2 (31/5/2020) Sunday	10:00 am - 11:00 am	**Mr. Vaibhav Kohli** Sr. Software Engineer, VMWARE, USA	**Cloud Technology for Industry 4.0**
	11:30 am - 12:30 pm	**Mr. Pranit Raje** AWS Cloud support Engineer, AWS Solutions, Mumbai	**Amazon Web Services for Industry 4.0**
	2:00 pm - 3:00 pm	**Ms. Anisha Gharat** Platform Engineer, Quantifi, Mumbai	**Google Cloud Platform: Architecture, Case Study and Demonstration**
Day 3 (01/6/2020) Monday	10:00 am -11:00 am	**Prof. Yogesh Pingle** Assistant Professor at Vidya Vardhini College of Engg, Mumbai	**Use of IoT for Industry 4.0**
	11:30 am – 12:30 pm	**Mr. Apurva Godbole** Co-Founder and CEO, Drona Aviation, Pune	**Role of drones in industry post COVID19**
	2:00 pm-3:00 pm	**Mr. Mahendra Mehra** PhD Scholar, Assistant Professor at Fr. CRCE, Certified Ethical Hacker, EC Council. Oracle Certified Cloud foundation Associate. Star Certified (CLOUD, DevOps, Ethical Hacking) Trainer	**The path to Industry 4.0 through Cyber Security**
Day 4 (02/6/2020) Tuesday	10:30 am -12:00 pm	**Mr. Mustafa Fatakdawala** Data Scientist, TCS, Mumbai	**AI in Business 4.0 era**
	12:30 pm – 1:30 pm	**Dr. Ramchandra Magrulkar** Associate Professor, D.J. Sanghavi College.Engg, Mumbai	**Data Handling and Visualization using Python**
	2:00pm-3:00pm	**Mr. Dhaval Sonawane** Cognitive Software Engineer, IBM, USA	**Data science and Industry 4.0**
Day 5 (03/6/2020) Wednesday	10:00 am - 12:00 am	**Ms. Ketaki Joshi** PhD Scholar, Assistant Professor at Fr. CRCE **Mr. Bharat Kumavat** Technical Chief and Founder. Triaro & co., Mumbai	**Additive Manufacturing - Technology enabler for Industry 4.0**
	02:00 pm – 3.00 pm	**Mr. Swapnil Khetan** Manager -Procurement & Supply Chain Practice at Michael Page, Mumbai.	**Recognizing People Skills in the age of automation**

** The schedule/session may be extended or modified based on the requirement of the session and time zone.

Contact for Further Information: Mr. Mahendra Mehra-8149327826
Mrs. Supriya Kamoji- 9920487455
Mrs. Dipali Koshti-9819151054

Final list of Participants
for Five days (30th May 2020 to 3rd June 2020)
Faculty Development Programme
on
Disruptive Technologies of Industry 4.0

Kindly make a note of your Participant ID and use it for all further correspondence and entries on the Attendance and Quiz Google Forms.

Participant_ID	FULLNAME	STATE	CITY
CRCE001	Aabha Patil	Maharashtra	Bhayander
CRCE002	Abhijit Dongaonkar	Maharashtra	Mumbai
CRCE003	Abhilasha Ajay Sayar	Maharshtra	Nanded
CRCE004	Abhiruchi Saraf	Karnataka	Bangalore
CRCE005	Aditya Deodhar	MAHARASHTRA	Pune
CRCE006	Aditya Parab	Maharashtra	Mumbai
CRCE007	Afjal Shaikh	Maharashtra	Boisar
CRCE008	Ahamadhusen Shekh	Maharashtra	Maharashtra-Mumbai
CRCE009	Ahlam Shakeel Ahmed Ansari	Maharashtra	Mumbai
CRCE010	AINAL ABDUL AZEEZ	Maharashtra	Mumbai
CRCE011	Ajinkya Hangargekar	Maharashtra	tuljapur
CRCE012	AKSHAT MAHENDRA	Maharashtra	Badlapur
CRCE013	Akshay Kishor Sonawane	Maharashtra	Mumbai
CRCE014	Alone Vinod N.	Maharashtra	Mumbai
CRCE015	Amar Buchade	Maharashtra	Pune
CRCE016	Amisha Manoj Ajwani	Maharashtra	Ulhasnagar

CRCE017	Amiya Kumar Tripathy	Maharashtra	Mumbai
CRCE018	Amogh Santosh Pai Raiturkar	Goa	Margao
CRCE019	Amol P. Pande	Maharashtra	Airoli, Navi Mumbai
CRCE020	Anand Prajapati	Maharashtra	Mumbai
CRCE021	ANANTHARAMA BAIPADITHAYA	MAHARASTRA	PUNE
CRCE022	Angelin Florence	Maharashtra	Mumbai
CRCE023	ANIKET VIJAYKUMAR BHOYAR	Maharashtra	Nagpur
CRCE024	Anita yadav	Maharashtra	Mumbai
CRCE025	Anjali Chaudhari	Maharashtra	Mumbai
CRCE026	Ankit bansal	Punjab	Mohali
CRCE027	ANKIT SHRIVASTAVA	M.P.	BHOPAL
CRCE028	Ankush Hutke	Maharashtra	Mumbai
CRCE029	Ankush Vasant Dahat	MAHARASHTRA	AMRAVATI
CRCE030	ANNAJI M KUTHE	Maharashtra	Nagpur
CRCE031	Ansari Fatima Anees	Maharashtra	Mumbai
CRCE032	Ansari Kulsum Shahzaman	Maharashtra	Bhiwandi
CRCE033	Ansari Vaqar	Maharashtra	Mumbai
CRCE034	Anubhuti	U.P.	Agra
CRCE035	Anuj Kumar Gupta	Punjab	Mohali
CRCE036	Anuja Ghasad	Maharashtra	Nagpur
CRCE037	Anup Bhange	Madhy Pradesh	BHOPAL
CRCE038	Anup Chavan	Ganesh mandir road, Titwala	Thane
CRCE039	Anupriya Babbar	Maharashtra	Mumbai
CRCE040	Anurag Chavan	Maharashtra	Mumbai
CRCE041	Anusha Jayasimhan	TAMILNADU	Chennai
CRCE042	Apurva A. Dube	Maharashtra	Mumbai
CRCE043	Archana Pandita	Ras al khaimah	Rak

CRCE044	Archana Singhi	Maharashtra	Mumbai
CRCE045	Arihant Kumar Jain	Rajasthan	Jaipur
CRCE046	Arlene D'costa	Maharashtra	Mumbai
CRCE047	Arpan Y Patil	Maharashtra	Mumbai
CRCE048	Arti Ochani	Maharashtra	Ulhasnagar
CRCE049	Arun Kulkarni	Maharashtra	Mumbai
CRCE050	Ashish Balkrishna Vartak	Maharashtra	Ratnagiri
CRCE051	Ashish Pandurang Nanotkar	Maharashtra	Wardha
CRCE052	ASHWINI K CHAVAN	MAHARASHTRA	MUMBAI
CRCE053	Ashwini Pansare	Maharashtra	Mumbai
CRCE054	Ashwini Shanbhag	Maharashtra	Mumbai
CRCE055	Asst Prof Amita Suke	Maharashtra	Nagpur
CRCE056	Atharva Amit Pandit	Maharashtra	Kalyan
CRCE057	B S Sudha	Karnataka	Bangalore
CRCE058	Balasaheb Balkhande	Maharashtra	Navi Mumbai
CRCE059	Bali Arun Thorat	Maharashtra	Aurangabad
CRCE060	Basel Ali Saleh Dabwan	Maharashtra	Aurangabad
CRCE061	Bharati V Anantapur	Maharashtra	Pune
CRCE062	Bhavika Prachodaya Thakur	Maharashtra	Virar
CRCE063	Bhonsle Gloria Rajendra	Maharashtra	Mumbai
CRCE064	BHUSHAN SHAHARKAR	Maharashtra	Solapur
CRCE065	BHUSHAN PANDURANG KARAMKAR	Maharashtra	Pune
CRCE066	Bhushan Vamanrao Patil	Maharashtra	Shirpur
CRCE067	Bijith Marakarkandy	Maharashtra	Mumbai
CRCE068	Bysani Malakondaiah	Maharashtra	Mira road East, Thane dt
CRCE069	Carol Sebastian	Maharashtra	Mumbai
CRCE070	Cassia Vaz	Maharashtra	Mumbai

CRCE071	ChallaRamu	Andrapradesh	Tirupati
CRCE072	CHARANJEET SINGH	HARYANA	SONIPAT
CRCE073	Chetana Sangar	Maharashtra	AMBERNATH
CRCE074	Chhavi Bajpai	Uttar Pradesh	Lucknow
CRCE075	Chhotu Bhammak	Madhya Pradesh	Bhopal
CRCE076	Chinala Mallareddy	Maharashtra	Sangola
CRCE077	Chitra Nilesh Joshi	Maharashtra	Pune
CRCE078	Dakshata Mayur Panchal	Maharashtra	Mumbai
CRCE079	Davina Lydia Pinto	Maharashtra	Mumbai
CRCE080	Davinder Kaur	Punjab	Mohali
CRCE081	Deepak Singh	Maharashtra	MUMBAI
CRCE082	Deepali Kayande	Maharashtra	Mumbai
CRCE083	Deepesh Rawat	UTTARAKHAND	DEHRADUN
CRCE084	Deepshikha	Maharastra	Mumbai
CRCE085	Deshmukh Jeevan Jayprakash	Maharashtra	Nanded
CRCE086	DEVAKATE AMOL SHANKAR	Maharashtra	Kolhapur
CRCE087	DEVIDAS BHASKAR SARANG	MAHARASHTRA	Navi mumbai
CRCE088	Dhananjay Ramkrishna Raut	Maharastra	Ulhasnagar
CRCE089	Dhanashri Manohar Bhopatrao	Maharashtra	Karjat
CRCE090	Dileepkumar Nitture	MAHARASHTRA	Chembur Mumbai
CRCE091	Dipali Kadam	Maharashtra	Mumbai
CRCE092	Dipti Yogesh Pawade	Maharashtra	Mumbai
CRCE093	Dishank Kailash Oza	Maharashtra	Mumbai
CRCE094	Ditty Varghese	Maharashtra	Mumbai
CRCE095	Divya Kumawat	Maharashtra	Mumbai
CRCE096	Divya N. Dubey	Maharashtra	Nagpur
CRCE097	Dr Abhishek Agrawal	MP	Bhopal

CRCE098	Dr Balajee Maram	Andhra Pradesh	Rajam
CRCE099	Dr Bhagirath Parshuram Prajapati	Gujarat	Anand
CRCE100	Dr Chandrashekhar Raut	Maharashtra	Airoli
CRCE101	Dr Harikrishnan T	Tamilnadu	Chennai
CRCE102	Dr Kailash Jagannath Karande	Maharashtra	Pandharpur
CRCE103	Dr Monali Yashwant khachane	Maharashtra	Jalgaon
CRCE104	Dr Nidhi Sindhwani	Delhi	Delhi ncr
CRCE105	Dr Rajashree Nilesh Badage	Maharashtra	Pandharpur
CRCE106	Dr Santosh Parakh	Maharashtra	Baramati
CRCE107	Dr shalini Verma	Haryana	Panchkula
CRCE108	Dr Vaishali VivekKumar Bodade	Maharashtra	Navi Mumbai
CRCE109	Dr Vistamsetty Sujatha	A.P.	Guntur
CRCE110	Dr Vivek Ranjan Bhartiya	MAHARASHTRA	Mumbai
CRCE111	Dr Zainab Pirani	Maharashtra	Mumbai
CRCE112	Dr. Abid Hussain	RAJASTHAN	KOTA
CRCE113	Dr. Ajay Jaiswal	Maharashtra	Nagpur
CRCE114	Dr. Amit Soni	Rajasthan	Jaipur
CRCE115	Dr. Arun Bhiva Rane	MAHARASHTRA	MUMBAI
CRCE116	Dr. Bhavin Shah	Maharashtra	Mumbai
CRCE117	Dr. Chetna Nagpal	Dubai	Dubai
CRCE118	Dr. Dheeraj Malhotra	Delhi	Delhi
CRCE119	Dr. DIPAK ANANT BAUSKAR	MAHARASHTRA	Mumbai
CRCE120	DR. GANESH SHRIDHARRAO RAGHTATE	MAHARASHTRA	NAVI MUMBAI
CRCE121	Dr. Harshali P. Patil	Maharashtra	Mumbai
CRCE122	Dr. Jyoti Ajinkya Deshmukh	Maharastra	Mumbai
CRCE123	Dr. M. SASIKUMAR	Tamilnadu	Tiruchengode
CRCE124	Dr. Minal Lopes	Maharashtra	mumbai

CRCE125	Dr. Nagabhushan Charantimath	Karnataka	Ballari
CRCE126	Dr. Nandini Ammanagi	Maharashtra	Mumbai
CRCE127	Dr. Neha verma	delhi	Delhi
CRCE128	Dr. Nickolas Savarimuthu	Tamilnadu	Tiruchirappalli
CRCE129	Dr. Nita Sanjay Patil	Maharashtra	Airoli, Navi Mumbai
CRCE130	Dr. Panimayaselvi Isabel	Maharashtra	Navi Mumbai
CRCE131	Dr. Payal Bansal	Rajasthan	Jaipur
CRCE132	Dr. Prasanna Shete	Maharashtra	Mumbai
CRCE133	DR. RAJKUMAR SUKNE	Maharashtra	Thane
CRCE134	Dr. Rashmi Soni	M.P	Bhopal
CRCE135	Dr. ROOPESH KUMAR MISHRA	CHANDAUSI	SAMBHAL
CRCE136	Dr. S. M. Dhomne	Maharashtra	Nagpur
CRCE137	Dr. S. ROJI MARJORIE	TAMIL NADU	CHENNAI
CRCE138	Dr. Sanjeev Kumar	A.P.	Kakinada
CRCE139	Dr. Satish R. Jadhao	Maharashtra	Nashik
CRCE140	Dr. Seema Kolkur	Maharashtra	Mumbai
CRCE141	Dr. Sheetal Rathi	Maharashtra	Thane
CRCE142	Dr. Shobha Tyagi	Maharashtra	Mumbai
CRCE143	Dr. Shrinivas Anantrao Sirdeshpande	Maharashtra	Indapur
CRCE144	Dr. Shubhangi Vaikole	Maharashtra	Airoli
CRCE145	Dr. Sukhdev Singh	Punjab	Patiala
CRCE146	Dr. V. Ganesh Babu	Karnataka	Mandya
CRCE147	Dr. Vaishali Amol Gaikwad	Maharashtra	Mumbai
CRCE148	Dr. Vaishali Prashant Jadhav	Maharashtra	Thane
CRCE149	Dr. Vandana Mohindru	Punjab	Mohali
CRCE150	Dr. Vijaykumar S Jatti	Maharashtra	Pune
CRCE151	Dr. Vikas Tiwari	MP	Indore

CRCE152	Dr. Vinita Agarwal	Maharashtra	Mumbai
CRCE153	Dr.Mahendra S.Makesar	Maharashtra	Nagpur
CRCE154	Dr.Pravin Ramdas Satav	Maharashtra	Amravati
CRCE155	Dr.Ramandeep Saini	PUNJAB	Mohali
CRCE156	Dr.S.DURAIRAJ	Tamil Nadu	Tiruchengode
CRCE157	Dr.Sagar Suryakant Gaddamwar	Maharashtra	YAVATMAL
CRCE158	Dr.Sangeeta Mishra	Maharashtra	Mumbai
CRCE159	Ekdante Santosh Gunwant	Maharashtra	Tuljapur
CRCE160	Ena Jain	Uttarakhand	Dehradun
CRCE161	ESWARA SATYANARAYANA P	ANDHRAPRADESH	VISAKHAPATNAM
CRCE162	Fazil Ahmed M.K. Sheikh	Maharashtra	Nagpur
CRCE163	Fiona Perpetual Coutinho	Goa	Sancoale
CRCE164	G Sudha Sadasivam	TamilNadu	Coimbatore
CRCE165	G.Anbuselvi	Tamil Nadu	Chennai
CRCE166	Gagandeep Kaur	Chandigarh	mohali
CRCE167	Ganesh Pandurang Dhurde	Maharashtra	Thane
CRCE168	Gangadevi C Bedke	Maharashtra	Aurangabad
CRCE169	Garima Tripathi	Maharashtra	Mumbai
CRCE170	Gaurav Saxena	Rajasthan	Jaipur
CRCE171	Gauri Prasad Barve	Goa	Verna
CRCE172	Gautami G. Shingan	Maharashtra	Sangli
CRCE173	Geetanjali Nilesh Sawant	maharashtra	Khedoshi
CRCE174	Girish M Dhote	Maharashtra	Nagpur
CRCE175	Govind Pandurang Wakure	Maharashtra	Mumbai
CRCE176	GOVIND RATNAKAR NAIK	Maharastra	Mumbai
CRCE177	Greegory Mathew	Maharashtra	Mumbai
CRCE178	GUNAKALA ARCHANA	ANDHRA PRADESH	GUNTUR

CRCE179	GURUPRASAD Y S	MAHARASHTRA	BOISAR
CRCE180	Hardeep Singh Chaddha	Maharashtra	Mumbai
CRCE181	Harinath Kuruva	Telangana	Hyderabad
CRCE182	Harish Sharadchandra Arekar	Maharashtra	Mumbai
CRCE183	Harsh Mulchandani	Maharashtra	Mumbai
CRCE184	Harshada Rajendra Naik	Maharashtra	Mumbai
CRCE185	Harshal Aravind Patil	Maharashtra	Mumbai
CRCE186	HASEEBA YASEEN	KARNATAKA	BANGALORE
CRCE187	Heenakausar Pendhari	Maharashtra	Mumbai
CRCE188	Hemalata Mahesh Mote	Maharashtra	Mumbai
CRCE189	Himani Chugh	Punjab	Landran
CRCE190	Abdul Azeez	Karnataka	Bangalore
CRCE191	Hridaynath Khandagale	Maharashtra	Kolhapur
CRCE192	Hrishikesh Rajgopalan Iyengar	Maharashtra	Mumbai
CRCE193	Ibtisam Yakub Mogul	Ras al khaima, UAE	Ras al khaima
CRCE194	Ishan Prabhakar Lade	Maharashtra	Nagpur
CRCE195	Jagjit kaur	Punjab	Ambala
CRCE196	Janardan S. Kulkarni	Maharashtra	Mumbai
CRCE197	Janhavi jayprakash malushte	Maharashtra	Mumbai
CRCE198	Jay Shankar Sharma	Rajasthan	Jaipur
CRCE199	Jaya Tahil Jeswani	Maharashtra	Mumbai
CRCE200	JAYANT SAWARKAR	Maharashtra	Navi Mumbai
CRCE201	Jesleena Gonsalves	Maharashtra	Mumbai
CRCE202	JILANI MUSTAFA SHAIKH	MAHARASHTRA	TULJAPUR
CRCE203	Jitesh Zade	Maharashtra	Nagpur
CRCE204	JOGESWAR TRIPATHY	ODISHA	Bhubaneswar
CRCE205	Johney Xavier	Maharashtra	Mumbai

CRCE206	Jyothi M. Rao	MAHARASHTRA	Mumbai
CRCE207	Jyoti More	Maharashtra	Navi Mumbai
CRCE208	Jyoti V. Mashalkar	Maharashtra	Latur
CRCE209	Jyotsna More	Maharashtra	Mumbai
CRCE210	K.siva kumar	Andhra Pradesh	GUNTUR
CRCE211	Kaisuvker Sharada Pandurang	Goa	Ponda
CRCE212	Kajal Dhaneshwar Chaudhari	Maharashtra	Mumbai
CRCE213	Kamal Kumar Gola	UP	MORADABAD
CRCE214	Kamal.S.Chandwani	Maharashtra	Nagpur
CRCE215	KANUMALLA GOPI KALYAN	Karnataka	Bangalore
CRCE216	Karthik S	KARNATAKA	BENGALURU
CRCE217	Khan Rahat Afreen	Maharashtra	Aurangabad
CRCE218	Khaoula tergou	Algeria	Alger
CRCE219	Khushbo Yadav	Maharashtra	Ulhasnagar
CRCE220	Khyati Manvar	Maharashtra	Mumbai
CRCE221	Kiran yadav	Maharashtra	Mumbai
CRCE222	Kirti Manoj Suryawanshi	Maharashtra	Navi mumbai
CRCE223	Komal Shaturhan Singh	Maharashtra	Thane
CRCE224	Komal Sudrik	Maharashtra	Powai, Mumbai
CRCE225	Kranti Kiran Wagle	Maharashtra	Mumbai
CRCE226	Kriti srivastava	Maharashtra	Mumbai
CRCE227	Kumkum Saxena	Maharashtra	Mumbai
CRCE228	Kunal Patil	Maharashtra	Mumbai
CRCE229	KUSUM YADAV	Rajasthan	Jaipur
CRCE230	Lance Randall de Melo	Goa	Verna
CRCE231	Latha H N	Karnataka	Bangalore
CRCE232	Linda John	Maharashtra	Mumbai

CRCE233	Lochan Jolly	Maharashtra	Mumbai
CRCE234	M MADHU	TELANGANA	HYDERABAD
CRCE235	M Raveendiran	Tamil nadu	Chennai
CRCE236	Madhuri Marotrao Pal	Maharashtra	WARDHA
CRCE237	Madhuri Narendra Gedam	Maharashtra	Mumbai
CRCE238	Madhuri Ramesh Yadav	Maharashtra	Pune
CRCE239	Mahendra Baban Bhoir	Maharashtra	Mumbai
CRCE240	Mahesh Anandrao Jadhav	Maharashtra	Ratnagiri
CRCE241	Mahesh Shivappa Yadrami	Maharashtra	Solapur
CRCE242	Maheshkumar Nagarajan	Tamil Nadu	Coimbatore
CRCE243	MAHI ITAGI	Goa	Verna
CRCE244	Mallad Hanamant Mallikarjun	Maharashtra	Sangola
CRCE245	Mamta Borle	Maharashtra	Kalyan
CRCE246	Mandeep Kaur	Punjab	Mohali
CRCE247	MANISH P GANGAWANE	MAHARASTRA	MUMBAI
CRCE248	Manisha Amnerkar	Maharashtra	Nagpur
CRCE249	Manisha Mundhe	Maharashtra	Aurangabad
CRCE250	Manisha Rajendra Bharambe	Maharashtra	Dombivli
CRCE251	Manjusha Kishor Talmale	Maharashtra	Nagpur
CRCE252	Manjusha Shelke	Maharashtra	Thane
CRCE253	Manoj D Patil	Maharashtra	Navimumbai
CRCE254	MANOJ GOPICHAND LADE	Maharashtra	Nagpur
CRCE255	Manoj Hanumant Band	Maharashtra	Thane
CRCE256	Manoj Titre	Maharashtra	NAGPUR
CRCE257	Mary Margarat Valentine Neela	Maharashtra	Mumbai
CRCE258	Maxwell Marcus Almeida	Maharashtra	Mumbai
CRCE259	Mayank Srivastava	Maharashtra	Mumbai

CRCE260	Mayuresh vilas chawde	Maharashtra	Mumbai
CRCE261	Megha Gupta	Maharashtra	Mumbai
CRCE262	Megha Suresh	Maharashtra	Mumbai
CRCE263	Meghna Sati	Maharashtra	Mumbai
CRCE264	Merwyn D'Souza	Goa	Fatorda
CRCE265	Milind Chandrakant Tote	Maharashtra	Nagpur
CRCE266	Mithila Metri	Goa	StCruz
CRCE267	Mittal Patne	Maharashtra	Nagpur
CRCE268	Mohammad Zia Ur Rehman	Uttrakhand	Dehradun
CRCE269	Monali Nitesh Shetty	Maharashtra	Mumbai
CRCE270	Monalisa Switej Lopes	Maharashtra	Mumbai
CRCE271	Monika Pal	Maharashtra	Mumbai
CRCE272	Monika Pathak	Punjab	Patiala
CRCE273	Mr Rajesh L Gaikwad	Maharashtra	Mumbai
CRCE274	Mr. Anubhav Mishra	Uttar Pradesh	Hardoi
CRCE275	Mr. Deepak Sidheshwar Shete	Maharashtra	Mumbai
CRCE276	Mr. Ghanshyam Pal	Maharashtra	Mumbai
CRCE277	Mr. Laxman S. Naik	MAHARASHTRA	DEVRUKH
CRCE278	Mr. Patil Jivan Bhausaheb	Maharashtra	Solapur
CRCE279	Mr. Rahul H. Badhe	Maharashtra	Dombivli
CRCE280	Mr. SACHIN MARUTI ADAVKAR	Maharashtra	Gadhinglaj
CRCE281	Mr. Viren Chandanshive	Maharashtra	Vasai Road west
CRCE282	Mr.S.TAMILVANAN	Tamil Nadu	Tiruchengode
CRCE283	Mrs DIPALI KIRAN BHOLE	Maharashtra	Mumbai
CRCE284	Mrs. Ashwini V. Jatti	Tamil Nadu	Chennai
CRCE285	Mrs. Khushali Deulkar	Maharashtra	Mumbai
CRCE286	Mrs. Krupa pramod Kamdar	Maharashtra	Andheri West

CRCE287	Mrs. Natasha Naik	Maharashtra	Mumbai
CRCE288	Mrs. Ragini Mishra	Maharashtra	Mumbai
CRCE289	Mrs. Sheetal Akhilesh Ahir	Maharashtra	Navi Mumbai
CRCE290	Mrs. Sujata Oak	Maharashtra	Mumbai
CRCE291	Mrs. Vandana Maurya	Maharashtra	Kalyan
CRCE292	Mrs.Anisa Shaikh	Maharashtra	Mumbai
CRCE293	Mrs.Hemangi Satam	Maharashtra	Thane
CRCE294	Mrs.Jyoti Amol Gaikwad	Maharashtra	Airoli
CRCE295	Mrs.Swapna Bhavsar	Maharashtra	Pune
CRCE296	Mrs.Trupti K Thakur	Maharashtra	Panvel
CRCE297	Mrs.Uma Goradiya	Maharashtra	Mumbai
CRCE298	Ms Chaitrali Prasanna Chaudhari	Maharashtra	Navi Mumbai
CRCE299	Ms. Alvina Andrew Alphonso	Maharashtra	Mumbai
CRCE300	Ms. Amrin R. Sheikh	Maharashtra	Pune
CRCE301	Ms. Josna Jose	Maharashtra	Mumbai
CRCE302	Ms. Menka Singh	Maharashtra	Bhayander East , Thane- 401
CRCE303	Ms. Punam R. Patil	Maharashtra	Shirpur
CRCE304	Ms. Sneha Suma Hegde	Karnataka	Ballari
CRCE305	Ms. Snehal Dmello	Maharashtra	Palghar
CRCE306	Ms.Manali Yashwant Patekar	Maharashtra	mumbai
CRCE307	Ms.Mandakini Marutirao Ganeshwade	Maharashtra	Aurangabad
CRCE308	Ms.Vandana Ashish Patil	Maharashtra	Mumbai
CRCE309	NAFISA MAJID MAPARI	Maharashtra	Mumbai
CRCE310	Nagesh Ghungarde	Maharashtra	Latur
CRCE311	NAMDEO BABAN BADHE	Maharashtra	Mumbai
CRCE312	Nandkumar N Bhopale	Maharashtra	Navi Mumbai
CRCE313	Natasha DCosta	Goa	Margao

CRCE314	NAVEEN KUMAR A	Karnataka	Bangalore
CRCE315	Naveen Vaswani	Maharashtra	Mumbai
CRCE316	Navnit Khanke	Maharashtra	Mumbai
CRCE317	Nazneen Ansari	Maharashtra	Mumbai
CRCE318	NEELAGANDAN	Tamilnadu	Chennai
CRCE319	Neelam Phadnis	Maharashtra	Mumbai
CRCE320	NEETA KADUKAR	Maharashtra	Mumbai
CRCE321	Neetu Singh	Punjab	Mohali
CRCE322	Neha Hemant Vachani	Maharashtra	Mumbai
CRCE323	Neha Rupesh Thakur	Maharashtra	Navi Mumbai
CRCE324	NEHA SUDHIRKUMAR CHOURASIA	Maharashtra	Nagpur
CRCE325	Nidhi Prakash Vichare	Maharashtra	Mumbai
CRCE326	Niket Amoda	Maharashtra	Thane
CRCE327	Nikhat Fatma Mumtaz Husain Shaikh	Maharashtra	Navi Mumbai
CRCE328	Nikhil Raje	Maharashtra	Mumbai
CRCE329	Nilam Bhikabhai Patel	Maharashtra	Mumbai
CRCE330	Nilesh Kulkarni	Maharashtra	Pune
CRCE331	Nilesh P Savla	Maharashtra	Mumbai
CRCE332	Nilesh Soni	madhya pradesh	Indore
CRCE333	Niraj Kumar Prajapati	Uttar Pradesh	Varanasi
CRCE334	Nithyashree S	Karnataka	Bengaluru
CRCE335	NITIN RAUT	Tamilnadu	Coimbatore
CRCE336	Nitinkumar Chaudhary	Maharashta	Nagpur
CRCE337	NUTAN ASHOKRAO BORKAR	Maharashtra	Pune
CRCE338	Okstynn Rodrigues	Goa	Margao
CRCE339	Padmanabhan	Tamil Nadu	Chennai
CRCE340	Pallavi Mahendra Bharambe	Maharashtra	Dombivli East

CRCE341	Pallavi Pahuja	Punjab	Mohali
CRCE342	Pankaj Gupta	U.P.	NOIDA
CRCE343	PANKAJ RAMAKANT KUNEKAR	Maharashtra	Mumbai
CRCE344	Parul Viresh Sindhwad	Maharashtra	Mumbai
CRCE345	PATHAN NAZIYA HAIDER	Maharashtra	Aurangabad
CRCE346	Pavan Borra	Maharashtra	Mumbai
CRCE347	Pinto Royston Richard	Maharashtra	Mumbai
CRCE348	PIYUSH GAUTAM	Rajasthan	Jaipur
CRCE349	POOJA PRADEEP DALVI	Goa	Farmagudi
CRCE350	Pooja sapra	Haryana	Gurugram
CRCE351	Poonam Bhogle	Maharashtra	MUMBAI
CRCE352	Poonam Gaur	Haryana	Panchkula
CRCE353	Poonam Kadam	Maharashtra	Sindhudurg
CRCE354	Poonam Nagraj Borase	Maharashtra	Aurangabad
CRCE355	Poonam Potraje	Maharashtra	Navi mumbai
CRCE356	PoornimaHN	Karnataka	Bangalore
CRCE357	Prachi Janrao	Maharashtra	Mumbai
CRCE358	Prachi Patil	Maharashtra	Mumbai
CRCE359	Pradnya Balkrishna Rane	Maharashtra	Mumbai
CRCE360	Pradnya Saval	Maharashtra	Thane
CRCE361	Pradnya Yuvaraj Bhangale	Maharashtra	Mumbai
CRCE362	Prafulla Patil	Maharashtra	Palghar
CRCE363	Pragtee Bhagvan Tathe	Maharashtra	Pandharpur
CRCE364	Prajakta Borole	Maharashtra	Mumbai
CRCE365	Prajkta Prakash Khaire	Maharashtra	Kalyan
CRCE366	Prajyoti Dsilva	Maharashtra	Mumbai
CRCE367	Prakash Bharatrao Khelage	Maharashtra	Mumbai

CRCE368	Prakash Parmar	Maharashtra	Mumbai
CRCE369	Prakash Ukhalkar	Maharashtra	Pune
CRCE370	Pramodini	MAHARASHTRA	PUNE
CRCE371	Pranit Hareshwar Bari	Maharashtra	Mumbai
CRCE372	Prasad lawoo mane	Maharashtra	Ratnagiri
CRCE373	Prasad Madhukar Pawar	Goa	Verna
CRCE374	PRASAD SURESH SHIRODKAR	Maharashtra	Vile Parle - West, Mumbai 40(
CRCE375	PRASHANT BHARAT SAWANT	Maharashtra	Mumbai
CRCE376	Prashant koli	Maharashtra	Nashik
CRCE377	Pratik Prakash Tawde	Maharashtra	Mumbai
CRCE378	Pravin Jangid	Maharashtra	Mumbai
CRCE379	Pravin S.Rahate	Maharashtra	Navi Mumbai
CRCE380	Princeton Baretto	Maharashtra	Mumbai
CRCE381	Priti Santosh Maurya	Maharashtra	Mumbai
CRCE382	Priya Deshpande	Maharashtra	Badlapur
CRCE383	Priya Vinod Kaul	Maharashtra	Mumbai
CRCE384	Priya.R	Puducherry	Puducherry
CRCE385	Priyanka Balasaheb Dhas	Maharashtra	Aurangabad
CRCE386	Priyanka Bandagale	Maharashtra	Ratnagiri
CRCE387	Priyanka Malgi	Maharashtra	Mumbai
CRCE388	Priyanka Ramesh Mahale	MAHARASHTRA	nashik
CRCE389	Priyanka Sanjay Makhija	Maharashtra	Thane
CRCE390	Prof Mangesh B Lahane	Maharashtra	Pune
CRCE391	Prof. Dhanashri Somanath Hume	Maharashtra	Pune
CRCE392	Prof. Dipali Nikhil Junankar	Maharashtra	Thaneqq
CRCE393	Prof. Prajakta Eknath Patil	Maharashtra	Badalapur
CRCE394	Prof. Rushikesh Rajendra Nikam	Maharashtra	Thane

CRCE395	Prof. Sachin Smabhaji Kale	Maharashtra	Tuljapur
CRCE396	Prof. Sheetal Ignatius Pereira	Maharashtra	Mumbai
CRCE397	Prof. Sheetal Ravindra Thakare	Maharashtra	Navi Mumbai
CRCE398	Prof. Soniya Hingu	gujarat	anand
CRCE399	Prof.Prachi Balkrushna Bhure	Maharashtra	Nagpur
CRCE400	Prof.Sonal Wasekar	Maharashtra	Nagpur
CRCE401	Purnima Chandrasekar	Maharashtra	Mumbai
CRCE402	PUSHPENDRA KUMAR CHANDRA	Chhattisgarh	Bilaspur
CRCE403	R R Arakerimath	Maharashtra	Pune
CRCE404	Rachael Rajan Kamble	Maharashtra	Mumbai
CRCE405	Radha Krishna A	Andhra Pradesh	Vijayawada
CRCE406	Radhika D. Joshi	Maharashtra	Pune
CRCE407	Raghupati Ramji Tiwari	Maharashtra	Kalyan
CRCE408	Rahul Gaikwad	Maharashtra	Jalgaon
CRCE409	RAHUL JINTURKAR	MAHARASHTRA	THANE
CRCE410	Rahul Pathak	Maharashtra	Mumbai
CRCE411	Rahul Ramesh Chakre	Maharashtra	Nashik
CRCE412	RAJEEV KUMAR	UTTAR PRADESH	RAMPUR
CRCE413	Rajesh Shankarrao Surjuse	Maharashtra	Chandrapur
CRCE414	RAJESH YAMPARALA	ANDHRA PRADESH	GUNTUR
CRCE415	RAJINDER KUMAR	Punjab	Hoshirpur
CRCE416	Rajkumar Bhimrao Pawar	Maharashtra	Ratnagiri
CRCE417	Rajkumar Shende	Maharashtra	Borivali Mumbai
CRCE418	Raju Sharma	Punjab	Fatehgarh sahib
CRCE419	Rakheeba Taseen	Karnataka	Bangalore
CRCE420	Rakhi Kalantri	Maharashtra	Mumbai
CRCE421	Rakshak Premsagar Sood	Maharashtra	Mumbai

CRCE422	Rani Agrawal	Maharashtra	Mumbai
CRCE423	Ranjana Singh	Maharashtra	Mumbai
CRCE424	Rashmi Amol Dhumal	Maharashtra	Navi Mumbai
CRCE425	RASHMI H E	KARNATAKA	KRISHNARAJAPET
CRCE426	Rasika Shintre	Maharashtra	navi mumbai
CRCE427	Raut Mrunmayi Nandkumar	Maharashtra	Sangola
CRCE428	Ravi Tiwari	Uttar Pradesh	ALLAHABAD
CRCE429	RAVIKISHAN SINGH	Uttar Pradesh	Lucknow
CRCE430	Ravina Nimmi Rodrigues	Goa	Verna
CRCE431	Ravindhren VG	Tamilnadu	Trichy
CRCE432	Ravindra Namdeorao Jogekar	Mahrashtra	Nagpur
CRCE433	Ravita Mishra	Maharastra	Mumbai
CRCE434	Razia de Loyola Furtado e Sardinha	Goa	Verna
CRCE435	Rehaal Qureshi	Maharashtra	Mumbai
CRCE436	Reshma Ravindra Chaudhari	Maharashtra	Virar
CRCE437	Riddhesh Khatu	Maharashtra	Mumbai
CRCE438	Rippal Gupta	Dokali Thane	Thane
CRCE439	Risha Dhargalkar	Goa	Margao
CRCE440	Ritesh Dubey	madhaypradesh	Indore
CRCE441	Rohini Nair	Maharashtra	Mumbai
CRCE442	Ronald Melwin Laban	Maharashtra	Mumbai
CRCE443	Roshni padate	Mahārāshtra	Mumbai
CRCE444	Ruben Lobo	Maharashtra	Mumbai
CRCE445	Ruby jawaharlal Saroj	Maharashtra	Mumbai
CRCE446	Ruby Sharma	Punjab	Mohali
CRCE447	Rucha Chetan Samant	Maharashtra	Nashik
CRCE448	Ruchi rahi	Maharashtra	Boisar

CRCE449	Ruchika Patil	Maharashtra	Mumbai
CRCE450	Ruchira Kailas kale	Maharashtra	Mumbai
CRCE451	Rupali Chavan	Maharashtra	Navi Mumbai
CRCE452	Rupali Dhananjay Pashte	Maharastra	Thane
CRCE453	Rupali Mane	Maharashtra	Mumbai
CRCE454	Rupali Shinde	Gujarat	Baroda
CRCE455	Rushikesh Babasaheb Gaikwad	Maharashtra	Solapur
CRCE456	Rutuja Gajanan Shinde	Maharashtra	Mumbai
CRCE457	Ryda Simon	Ras Al Khaimah	Nakheel
CRCE458	S Reeta Shaktivel	Rajasthan	Ajmer
CRCE459	S S Jaivarshan Pramoj	Tamil Nadu	Chennai
CRCE460	S Usha Naidu	Tamil Nadu	Chennai
CRCE461	Sachin Balvir	Maharashtra	Wardha
CRCE462	Saeesh Verenkar	Goa	Verna
CRCE463	Sagar Badjate	Maharashtra	Dhule
CRCE464	Saiqa Khan	MAHARASHTRA	Mumbai
CRCE465	Sakina Banu Salmani	Maharashtra	Mumbai
CRCE466	SANAM SALMAN KAZI	MAHARASHTRA	Mumbai
CRCE467	Sandeep Shaligramji Ganorkar	Maharashtra	Nagpur
CRCE468	SANDHYA KUMAR	Maharashtra	Mumbai
CRCE469	Sandip Bankar	Maharashtra	Mumbai
CRCE470	Sandip Gautam Dhende	MAHARASHTRA	Navi Mumbai (M Corp.)
CRCE471	Sandip Zade	Maharashtra	Mumbai
CRCE472	Sangeetha Pathyara	Telangana	Hyderabad
CRCE473	Sangeetha.N	Karnataka	Bangalore
CRCE474	Sanjay B.Waykar	Maharashtra	Pune
CRCE475	Sanjay Bansidhar Akhade	Maharashtra	Tuljapur

CRCE476	Sanjay M. Malode	Maharashtra	Nagpur
CRCE477	Sanjay Madhukarrao Patil	Maharashtra	Navi Mumbai
CRCE478	Sanjay Makhija	Maharashtra	Mumbai
CRCE479	Sanjeev Patel	Karnatak	Bangalore
CRCE480	Sanober Sultana Shaikh	MAHARASHTRA	MUMBAI
CRCE481	Santushti Santosh Betgeri	Goa	Vasco
CRCE482	Sarang Dani	Maharashtra	Pune
CRCE483	Sarika Choudhari	Maharashtra	Pune
CRCE484	Satish Salunkhe	Maharashtra	Mumbai
CRCE485	Satyam tripathi	Jaunpur	Up
CRCE486	Saurabh Keshav Kulkarni	Maharashtra	Mumbai
CRCE487	Saurabh N. Mehta	Maharshtra	Mumbai
CRCE488	Seema Prashant Nehete	Maharashtra	Airoli
CRCE489	Seema Suresh Kute	MAHARASHTRA	AURANGABAD
CRCE490	Shaba V. G. Dessai	Goa	Margao
CRCE491	Shaikh Farzana Zakir	Maharashtra	Mumbai
CRCE492	Shaikh Mohd Ashfaque Mohd Haroon	Maharashtra	Mumbai
CRCE493	SHAILESH ASHOK KURZADKAR	Maharashtra	Nagpur
CRCE494	SHAJU FELIX V	TAMILNADU	NAGERCOIL
CRCE495	Shamsuddin Khan	Maharashtra	Borivali Mumbai
CRCE496	Shankar Gyaneshwar Gadhve	Maharashtra	Nagpur
CRCE497	Shantanu A. Lohi	Maharashtra	Amravati
CRCE498	SHAREEFA PARVEEN P	TAMIL NADU	CHENNAI
CRCE499	SHASHANKI ABHAY SINGH	MAHARASHTRA	Mira road
CRCE500	Shashi Rathore	Maharashtra	Nagpur
CRCE501	Sheetal Ajoy	Maharashtra	Mumbai
CRCE502	Sherwin Pillai	Maharashtra	Mumbai

CRCE503	Shikha Shrivastava	Rajasthan	Jaipur
CRCE504	Shila Jawale	Maharashtra	Mumbai
CRCE505	Shilpa Chaman	Maharashtra	Mumbai
CRCE506	Shilpa Ingoley	Maharashtra	Mumbai
CRCE507	Shilpa Verma	Maharashtra	Mumbai
CRCE508	Shivam Mishra	West Bengal	Kolkata
CRCE509	Shivanand konade	Maharashtra	Mumbai
CRCE510	Shraddha Dabhade	Maharashtra	THANE
CRCE511	Shraddha More	Maharashtra	Palghar
CRCE512	Shravani Jasthi	Maharashtra	Nagpur
CRCE513	Shrikant Sanas	Maharashtra	Mumbai
CRCE514	SHRUTHI K C	Karnataka	Bangalore
CRCE515	Shruti G. Taley	Maharashtra	Amravati
CRCE516	Shubhangi Mangesh Verulkar	MAHARASHTRA	THANE
CRCE517	Shweta Barshe	Maharashtra	Nm
CRCE518	Shyamsundar Magar	Maharashtra	Nerul Navi Mumbai
CRCE519	Shylaja H N	Karnataka	Hassan
CRCE520	Siddhesh Doiphode	Maharashtra	Mumbai
CRCE521	SIDDI SRINIVAS	Telangana	Hyderabad
CRCE522	Siddiqui Farhana Zubair	Maharashtra	Mumbai
CRCE523	Sivarathri Nandini	Telangana	Hyderabad
CRCE524	sivasarma dvss	TELANGANA	WARANGAL
CRCE525	Smita Attarde	Maharashtra	Mumbai
CRCE526	SMITA RAMESH SANKHE	Maharashtra	Palghar
CRCE527	Sneha Ashish Sankhe	Maharashtra	Mumbai
CRCE528	Sneha S Bante	Maharashtra	Nagpur
CRCE529	Snehal Kulkarni	400068	Mumbai

CRCE530	Snehal Lopes	Maharashtra	Mumbai
CRCE531	Snehal Shirish Suryavanshi	Maharashtra	Mumbai
CRCE532	Sohan Pramod Chaudhari	Maharashtra	Dombivali
CRCE533	SONAL CHAUDHARI	Maharashtra	Navi Mumbai
CRCE534	SONAL PRABHAKAR GURAV	Maharashtra	Mumbai
CRCE535	Sonali Zunke	Maharashtra	Nagpur
CRCE536	Sonam Ravindra Salunkhe	Maharashtra	Mumbai
CRCE537	Sonia Mahesh Pisal	Maharashtra	Navi Mumbai
CRCE538	Sowjanya J	Karnataka	Hassan
CRCE539	Sowmya J	Karnataka	Hassan
CRCE540	Sowmyashree	Maharashtra	Mumbai
CRCE541	Spk mithra	Andhra pradesh	Vijayawada
CRCE542	Spoorthi P A	Karnataka	Bangalore
CRCE543	Sridhin S Roy	Karnataka	Mangalore
CRCE544	Sruthy Sreerag Nath	Maharashtra	Mumbai
CRCE545	STEPHINA RODNEY D'SOUZA	MAHARASHTRA	MUMBAI
CRCE546	Suchita patil	Maharashtra	Mumbai
CRCE547	Sudhir Limbraj Burange	MAHARASHTRA	Tuljapur
CRCE548	SUDHIR SADASHIV DHEKANE	Maharashtra	Mumbai
CRCE549	SUHASINI VIJAYAKUMAR	Maharastra	Navi Mumbai
CRCE550	Sujata Rajesh Kolhe	Maharashtra	Navi Mumbai
CRCE551	Sukhdeep Singh	PUNJAB	Ludhiana
CRCE552	sulakshana Mane	maharashtra	navi mumbai
CRCE553	Sunidhi Vashisth	Punjab	Chandigarh
CRCE554	Sunil Dilip Chaudhari	Maharashtra	Mumbai
CRCE555	Sunil Gautam	Rajasthan	Jaipur
CRCE556	Sunil Pandurang Khachane	Maharashtra	Mumbai

CRCE557	Sunil Wankhade	Maharashtra	Mumbai
CRCE558	sunita vinay naik	maharashtra	Mumbai
CRCE559	Supriya	AP	Hyderabad
CRCE560	Suraj Anil Shete	Maharashtra	Ratnagiri
CRCE561	Suraj vyasmuni gupta	Maharashtra	ambernath
CRCE562	Suresh Sudam Kolekar	Maharashtra	Ratnagiri
CRCE563	Sushila Umesh Ratre	Maharashtra	Mumbai
CRCE564	Swapna Naik	Maharashtra	Mumbai
CRCE565	Swapna Borde	Maharashtra	Vasai
CRCE566	swapneel naik	Goa	Ponda
CRCE567	Swapnil Shivaji Sonawane	Maharashtra	Mumbai
CRCE568	Swarn Singh	Punjab	Mohali
CRCE569	Swaroopsinh Balwant Bore	Maharashtra	Kolhapur
CRCE570	Swati Abhang	Maharashtra	Mumbai
CRCE571	Sweta Nishant Padman	Maharashtra	Thane
CRCE572	Swetza Singh	Uttar Pradesh	Lucknow
CRCE573	T.Devi	Tamil Nadu	Dindigul
CRCE574	Tabassum Altaf Maktum	MAHARASHTRA	Navi Mumbai
CRCE575	Tahera Shaikh	Maharashtra	Mumbai
CRCE576	Tasnim Parkar	Maharashtra	Mumbai
CRCE577	THULASI BIKKU	Andhrapradesh	Guntur
CRCE578	Tina Dabreo	Maharashtra	Mumbai
CRCE579	Trupti Mane Furia	Maharashtra	Vasai, Palghar
CRCE580	Ulka Mahadeo Ingale	Maharashtra	Navi Mumbai
CRCE581	Vaibhav Godbole	Maharashtra	Mumbai
CRCE582	Vaishali R Surjuse	Maharashtra	Nagpur
CRCE583	Vaishali shrikant bhanuskar	Maharashtra	Panvel

CRCE584	Vaishnavi Ashok Dhaktode	Maharashtra	Mumbai
CRCE585	Vandana Munde	Maharashtra	Mumbai
CRCE586	Vandana Salve	Maharashtra	Mumbai
CRCE587	Varsha Ashok Kinge	Maharashtra	Mumbai
CRCE588	Varsha Nagpurkar	Maharashtra	Mumbai
CRCE589	Varunkumar Mishra	Maharashtra	Mumbai
CRCE590	VASUKIDEVI G	Tamilnadu	Chennai
CRCE591	Vedant Sahai	Maharashtra	Mumbai
CRCE592	Veerabhadrarao Miriyala	Maharashtra	Mumbai
CRCE593	Vidya kibde	Maharashtra	Navi mumbai
CRCE594	Vidya N Kawtikwar	Maharashtra	Virar
CRCE595	Vidyashree C	Karnataka	Bengaluru
CRCE596	Vijay Jumb	Maharashtra	Mumbai
CRCE597	VIJAYA BHARATHI JAGAN	Maharashtra	Mumbai
CRCE598	Vijayalakshmi S A	Karnataka	Bangalore
CRCE599	Vijaykumar Bilolikar	Maharashtra	Mumbai
CRCE600	VIJESH MUNDOKALAM	Maharashtra	Ratnagiri
CRCE601	VIKRAM V. AVHAD	MAHARASHTRA	PUNE
CRCE602	Vinay Vikram Tiwari	Maharashtra	Khopoli
CRCE603	Viraj Patel	Maharastra	Mumbai
CRCE604	Vishal Sahebrao Badgujar	Maharashtra	Mumbai
CRCE605	Vishwayogita Savalkar	MAHARASHTRA	panvel
CRCE606	Vivek Sharma	Punjab	Mohali
CRCE607	Vivian Lobo	Maharashtra	Mumbai
CRCE608	Vivian Lobo	Maharashtra	Mumbai
CRCE609	Yadav Shivam Manojkumar	Maharashtra	Mumbai
CRCE610	Yashi Singh	United Arab Emirates	Dubai

CRCE611	Yaxika Kantilal Soni	Maharashtra	Mumbai
CRCE612	Yogendra Rajpati Vishwakarma	Maharashtra	Mumbai
CRCE613	Yogesh Gite	Maharashtra	Kalyan
CRCE614	Yogesh N.Kadam	Maharashtra	Osmanabad
CRCE615	Yuvraj Hari Chavhan	maharashtra	nagpur
CRCE616	ZEYAD ABDULHAMEED TAHA AHMED	MAHARASHTRA	AURANGABAD

Fr. Conceicao Rodrigues College of Engineering

DEPARTMENT OF COMPUTER ENGINEERING

REPORT ON FACULTY DEVELOPMENT PROGRAMME ON DISRUPTIVE TECHNOLOGIES OF INDUSTRY 4.0

Report by: Prof. Mahendra Mehra, Assistant Professor, Computer Engineering Dept

The Department of Computer Engineering of Fr. Conceicao Rodrigues College of Engineering, Mumbai organized a free for all National level five days Faculty Development Program (Online) on "Disruptive Technologies of INDUSTRY 4.0" from 30th May to 3rd June 2020. This programme was a combination of Expert's Speeches & Practical Demonstrations by eminent personalities from Industry and Academia. This FDP was aimed for teachers who are teaching various disciplines of science and engineering subjects in colleges or Universities and was also open for research scholars and Industry Personnel's. The FDP received and overwhelming response with 630 number of participants registered for this programme from different Universities and Colleges across India and also witnessed International participation. Owing to the COVID19 situation the entire FDP was managed and hosted on online platform via video conferencing.

FDP THEME AND OUTLINE

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 was aimed 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 gained 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 understood the opportunities, challenges brought about by Industry 4.0 and how organizations and individuals can prepare to reap the benefits.

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

Planning:

Planning for the Faculty Development Programme began at the start of May 2020. An external call for sponsor was sent out to corporate partners for their association in any form possible. FDP title was confirmed after brainstorming over multiple topics and with due permission of HOD and Principal madam. Meticulous planning was done to design Brochure and trailer videos along with registration form which were circulated over social media and messaging platforms. Invitations were sent out to different Industry personnel's using personal contacts and Alma connect to join as resource person for the FDP. Telegram and WhatsApp groups were created to communicate with the registered participants. Online quiz was conducted to validate the learning from the five days FDP. Attendance was analyzed from the online platform and a list was prepared of eligible candidates, certificates were distributed to them via Email.

Technology Sponsors:

Star Certification was our technology sponsors who provided us GotoWebinar, a video conferencing Platform to host all our Five days sessions and helped us connect with our participants.

Event Publicity:

Social Media platforms like Twitter, Facebook and Instagram were used to advertise about the Faculty Development Programme. A MoU was signed with Star Certification, a vendor neutral certification body who agreed to provide us the GotoWebinar their video conferencing platform and also advertise our FDP to their customer base, as a result of effective publicity we received a whopping 630 plus registrations from academia and industry across India

Event Timeline:

Day 1 (30th May 2020):

The FDP started with a welcome speech by Prof. Mahendra Mehra, he welcomed the participants for the online programme and introduced them to Fr. CRCE and its history. Mr. Mehra thanked Rev. Fr. Peter Dsouza, Local Superior and Rev. Fr. Valerian Dsouza, Director for their blessings and Principal Madam, Dr. Mrs. Srija Unnikrishnan and HOD, Dr. B. S. Daga for their best wishes and continuous support. He went on to introduce the keynote speaker for the FDP, **Dr. Kalpesh Parikh, MD & CEO Intellisense ITsys Pvt. Ltd, Gujarat.** Dr. Kalpesh Parikh later addressed the audience on the Disruptive Technologies of Industry 4.0 and shared many ideas and spoke on his work experiences in the Industry.

Our next speaker for the day, **Mr. Dheeraj Anchan, Principal Research Scientist, ISRO**, talked about how blockchain technology can be used in today's age for achieving transparency, Security and better control of data in Industry 4.0.

Day 2 (31st May 2020):

Day Two events were focused on Cloud computing and its usage in Industry 4.0. moderated by Prof. Dipali Koshti.

Mr. Vaibhav Kohli, Sr. Software Engineer, at VMWARE, USA introduced the audiences to the concept of cloud computing and fog computing and how these cutting-edge technologies are being used in various industries to gain better technological and business advantages over their competitors.

Mr. Pranit Raje, AWS Cloud support, AWS Solutions, Mumbai showed practical demonstrations of how AWS cloud is being used by industry 4.0 to connect their operational technologies with information technology.

Ms. Anisha Gharat, Platform Engineer, Quantifi, Mumbai demonstrated how Google Cloud Platform can be leveraged as solutions to Industry 4.0 problems and also discussed few case studies.

Day 3: (1st June 2020)

Day Three events were dedicated to Industrial IOT, Drone Technologies and Cyber Security moderated by Prof. Supriya Kamoji

Prof. Yogesh Pingle, Assistant Professor at Vidya Vardhini College of Engg, Mumbai briefed the participants on various IOT case studies and use cases currently being used to improvise technical controls in various domains.

Mr. Apurva Godbole, Co-Founder and CEO, Drona Aviation, Mumbai explained us the roles of Drone technologies and their possible use case in the Industry where human intervention is difficult. He also discussed various points on how drones can be used post COVID19.

Mr. Mahendra Mehra, PhD Scholar, Assistant Professor at Fr. CRCE, were the last speaker for the day. Mr Mehra gave an insightful session on how important Security is in Industry 4.0 and discussed various vulnerabilities and loose ends. He also demonstrated how one can hack in to others machine if appropriate security measures are not taken.

Day 4: (2nd June 2020)

Day Four events focused on Data science and how Artificial Intelligence is being used to take automated decisions moderated by Prof. Dipali Koshti

Mr. Mustafa Fatakdawala, Data Scientist from TCS discussed role of AI and its challenges in various industry sectors such as call centers, banking sector and health sector.

Dr. Ramchandra Mangrulkar, Associate Professor in D.J. Sanghvi College of Engineering discussed Data handling and visualization using python. He demonstrated the analysis of covid 19 Pandemic using visualization tools.

Mr. Dhaval Sonawane, Sr. Software Engineer IBM, Waston, USA was the last speaker of the day and he shared some common use cases such as Demand forecasting and inventory management, Price optimization, Warranty analysis and tracking of covid-19 spread with big data.

Day 5: (3rd June 2020)

Day five Events were on Additive Manufacturing and People skills moderated by Prof. Supriya Kamoji

Ms. Ketaki Joshi, PhD Scholar, Assistant Professor at Fr. CRCE discussed different additive manufacturing techniques, recent advances and applications of additive manufacturing from industry 4.0 perspective. Discussion on Limitations, research and future developments of additive manufacturing made the session very engaging.

Mr.Bharat Kumavat,Technical Chief and Founder .Triaro & co., Mumbai added to the previous session by demonstrating how 3D printers are used Manufacturing industry to build complex designs used in Jewellery design and prosthetics. He also demonstrated how rapid prototyping is done.

Mr. Swapnil Khetan, Procurement & Supply Chain Practice at Michael Page, Mumbai. In his talk addressed how people skills in the age of cutting edge technologies will stand them apart and make them employable.

Valedictory:

Program was concluded by Prof. Mahendra Mehra with a vote of thanks and briefing the participants about the online exam which was conducted on 6th June 2020.

Feedback

Feedback was collected from the participants after the program concluded using Google form. The response received was amazing. Participants average rating for the FDP was 8.922 out of 10. Most of them praised the structure and contents of the programme and the way things were coordinated and communicated. Many of them gave their positive comments on the knowledge of the speakers.

Event Coordinators:
Prof. Mahendra Mehra (Assistant Prof, Computer Engg Dept).
Prof. Dipali Koshti (Assistant Prof, Computer Engg Dept).
Prof. Supriya Kamoji (Assistant Prof, Computer Engg Dept).

Image Gallery

Prof. Mahendra Mehra giving inaugural speech and introducing Keynote Speaker, Dr. Kalpesh Parikh, MD & CEO Intellisense ITsys Pvt. Ltd, Gujarat.

Mr. Dheeraj Anchan, Principal Research Scientist, ISRO, session on Blockchain for Industry 4.0

Mr. Vaibhav Kohli, Sr. Software Engineer, at VMWARE, USA, Session on Cloud Computing for Industry 4.0

Mr. Mahendra Mehra, PhD Scholar, Assistant Professor at Fr. CRCE, Session on the path to industry 4.0 is through cyber security.

Mr. Swapnil Khetan, Procurement & Supply Chain Practice at Michael Page, Mumbai session on Managing people skills in the age of automation

Invited Speakers:

Mr. Vaibhav Kohli
Sr. Software Engineer
VMware, USA

Mr. Dheeraj Anchan
Principal Research
Scientist, ISRO

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

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

Mr. Mustafa Fatakdawala
Data Scientist
TCS, Mumbai

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

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

FR. AGNEL TECHNICAL COMPLEX EST.-1953

BANDRA - MUMBAI

fr.CRCE

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
MOULDING ENGINEERS WHO CAN BUILD THE NATION

JOINTLY ORGANIZED BY

DEPARTMENT OF COMPUTER ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY

&

DEPARTMENT OF ELECTRONICS AND COMPUTER SCIENCE

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

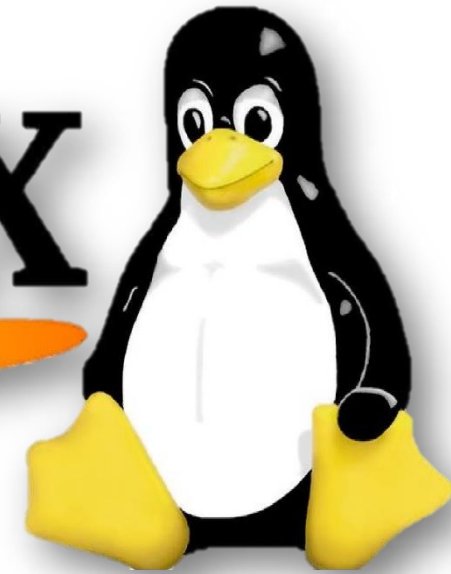BANDSTAND, BANDRA(W)

TWO DAY'S
(16th – 17th APRIL 2021)
ONLINE FACULTY DEVELOPMENT PROGRAMME

CLICK HERE TO REGISTER

Linux

ESSENTIALS OF LINUX SYSTEM ADMINISTRATION

SYBGEN
TECHNOLOGY PARTNER

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

About Department's

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. Department of Electronics and computer science 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 it has an intake capacity of 60 students. Department of Information Technology started in the year 2001 with an intake of 30 students for the undergraduate program. The intake was increased to 60 seats in the year 2010-11, in 2021 the course has been changed to Artificial Intelligence and Data Science. All the departments have excellent infrastructure and highly qualified and professionally skilled faculty. The departments conduct various training programs to help faculty and students to improve their technical knowledge. The Departments have received several Research Grant from the Department of Science and Technology (DST), and Mumbai University for Innovative Projects and Minor Research Grant.

About FDP

Linux acts as a significant strength in the computing industry. Whether you are accessing a bank website, Netflix, or your home router, the chances are that your computer is interacting with a Linux system. Most of the webserver, mobile phones, personal computers, supercomputers, and cloud-servers are powered by Linux. *Linux* is an open-source operating system that provides features like high security, reliability, and stability, dominating the server market. The cutting-edge technologies like Cloud Services, IoT, and DevOps tools require a good hold on Linux system administration. This FDP aims to train Faculty from different streams on skills required to manage and administer Linux machine and provide practical hands-on skills. Linux system administration is one of the most in-demand skills in the IT industry. This FDP will help participants to understand the fundamentals of Linux, Linux commands, manipulation of files, and automating tasks using shell scripts. Participants will also learn how to perform administrative tasks and configure server packages on the Linux Operating system. This Linux course does not make any assumptions about your background or knowledge of Linux. Participants need no prior knowledge to benefit from this course. Participants will be guided step by step using a logical and systematic approach.

FDP Objectives

✓ To help faculty gain Linux systems administration skills and have a deep understanding of Linux fundamentals and concepts. More importantly, they will be able to put those concepts to use in practical, real-world situations.

✓ To prepare faculty to automate daily tasks by writing Shell Scripts.

✓ To help the faculty attain essential knowledge of Linux System which will increase their productivity and help prepare for subjects like Cloud Computing, IoT, DevOps, Ethical Hacking, Digital Forensics and many more.

FDP Outline

- Linux System Architecture
- Linux Filesystems, Filesystem Hierarchy Standard
- Linux System Administration Commands
- Essential System Services
- Networking Fundamentals
- Linux Package Management
- Shells, Scripting and Data Management
- Linux Server Administration: Configuring LAMP stack

ELIGIBILITY

Faculty members of any government/private Institutions with relevant background are eligible for this course. Industry personnel/PhD Scholars 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.

The Faculty Development Programme will be conducted **online**.

Confirmation of registration will be informed via email communication.

Certificate of Completion will be issued to participants who attend a minimum of 75% of FDP and complete all assignments also score 60% and above in the MCQ-based test.

Fr.CRCE, in association with **SYBGEN** is also providing an opportunity to participants to get certified by SYBGEN for their course Linux Administration Bootcamp at a very minimal cost. This offer is optional for participants. Details will be shared during the FDP.

Last day to register is 14th April 2021.

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)

Dr. Jagruti Save, HOD (IT)

Dr. Sapna Prabhu, HOD (ECS)

COORDINATOR'S:

fdp.crce@gmail.com

Mr. Mahendra Mehra

Mrs. Prachi Patil - 9969465845

Mrs. Swapnali Makdey - 9769091874

Mrs. Dipali Koshti - 9819151054

Mrs. Prajakta Bhangale - 9833720466

Mrs. Jagruti Nagaonkar - 9869195947

INVITED SPEAKERS

Prof. Mahendra Mehra

Ph.D Scholar,
Assistant Professor, Computer Engg
Certified Linux Trainer
CRCE, Mumbai

Mr. Paresh Chalke

Sr. DevOps Engineer
Disney Streaming Services
Stockport, England, United Kingdom

Dr. Gautam M. Borkar

Associate Professor, CSE Dept
RAIT, Mumbai
RHEL Certified professional, CCNA certified
and DevNet Certified

VISIT US AT: www.frcrce.ac.in

Date : 07/4/2021

To,

The Principal,

 CRCE, Bandra.

Subject: Regarding approval of budget for FDP on "Essentials of Linux System Administration "on 16-17 April 2021

Respected Madam,

We, **Department of Information Technology, Computer Engineering and Electronics and Computer science**

are organizing 2 Days FDP on the above mentioned topic. We hereby request you to kindly approve FDP budget and do the needful.

Thanking you.

Please find attached copy of budget.

Yours Sincerely,

Dipali Koshti

Mahendra Mehra (Coordinator- Computer Dept)

Prajakta Bhangale

Prachi Patil (Coordinator- IT Dept)

Jagruti Nagaonkar

Swapnali Makdey   (Coordinator- ECS Dept)

Budget for **FDP on "Essentials Of Linux System Administration "**

Jointly Organized by Department of Computer Engineering, Department of Information Technology

and Department of Electronics and Computer science

FDP Date: 16-17 April 2021

Expected Participants: 100   **Fees for Faculties: NIL**

Expected Expenditure:

Expected Expenditure	Details	Total(in Rs)
Speaker fees	Mr. Paresh Chalke	3,000
	Dr.Gautam Borkar	6,000
Total		9,000

Submitted by:

Dipali Koshti	Mahendra Mehra	Dr.B.S.Daga
(Cordinator)	(Cordinator)	(HOD Computer Dept.)
Prajakta Bhangale	Prachi Patil	Dr. Jagruti Save
(Coordinator)	(Coordinator)	(HOD IT Dept.)
Jagruti Nagaonkar	Swapnali Makdey	Dr.Sapna Prabhu
(Coordinator)	(Coordinator)	(HOD ECS Dept.)

Fr. Conceicao Rodrigues College of Engineering
TWO Days Online Faculty Development Programme
on
Essentials of Linux System Administration
16th-17th April 2021
List of Selected Participants

Participant_ID	Full Name	Designation	College Name	State
FDP01	SHRUTHI K C	Assistant Professor	HKBKCE	Karnataka
FDP02	Torana Nitin Kamble	Assistant Professor	Bharati Vidyapeeth college of engineering Navi Mumbai	Maharashtra
FDP03	Prof Mangesh Balasaheb Lahane	Assistant Professor	Modern College of ASC, Ganeshkhind, Pune-16	Maharashtra
FDP04	Sanjay Shahaji Kadam	Assistant Professor	Bharati vidyapeeth college of engineering Navi Mumbai	Maharashtra
FDP05	Manjusha Shelke	Assistant Professor	K.c.college of Engineering and Management studies and Research	Maharashtra
FDP06	K.siva kumar	Assistant Professor	Vignan's nirula institute of technology and science for women	Andhra Pradesh
FDP07	Amuthavalli yadav	Assistant Professor	KC College of Engineering, Management Studies and Research	Maharashtra
FDP08	Sachin Balvir	Assistant Professor	Datta Meghe Institute of Engineering, Technology and Research, Wardha	Maharashtra
FDP09	MANOJ GOPICHAND LADE	Assistant Professor	NAGPUR INSTITUTE OF TECHNOLOGY, NAGPUR	MAHARASHTRA
FDP10	Supriya Kamoji	Assistant Professor	Fr. CRCE	Maharashtra
FDP11	Safa Salman Hamdare	Assistant Professor	St. Francis Institute of Technology	Maharashtra
FDP12	Anil S Naik	Assistant Professor	Walchand Institute of Technology,Solapur	Maharashtra
FDP13	Amit Prakashrao Patil	Assistant Professor	RCPETs IMRD, Shirpur	Maharashtra
FDP14	Mrs. Sujata Oak	Assistant Professor	Ramrao Adik Institute of Technology	Maharashtra
FDP15	S SOWNDESWARI	Assistant Professor	Sambhram Institute of Technology	Karnataka
FDP16	Nilam Thakkar	Assistant Professor	Sal College of Engineering	Gujarat
FDP17	Dr. Nilesh Madhukar Patil	Assistant Professor	Fr. Conceicao Rodrigues College of Engineering	Maharashtra
FDP18	Shital B. Mandhane	Assistant Professor	Dr. D. Y. Patil School of engineering and technology.	Maharashtra
FDP19	Jyotsna More	Assistant Professor	Xavier Institute of Engineering	Maharashtra
FDP20	Ms.SALUNKE VAISHALI TANAJI	Assistant Professor	M.S.G.ARTS, SCIENCE AND COMMERCE COLLEGE MALEGAON CAMP, MALEGAON	Maharashtra
FDP21	Swapnil Brijalal Kadam	Assistant Professor	SSPM's College Of Engineering	Maharashtra
FDP22	Manasi Choche	Assistant Professor	K. C. College of Engineering and Management Studies and Research	Maharashtra
FDP23	Viraj Raghunath Sonawane	Assistant Professor	MVPS's KBTCOE Nashik	Maharashtra
FDP24	Kirti Rupesh Parthe	Assistant Professor	KC College of Engineering and Management Studies and Research	Maharashtra
FDP25	Snehal Parag Shintre	Assistant Professor	Pune Institute of Computer Technology	Maharashtra

FDP26	Dr Milind Rajaram	Assistant Professor	Gulbarga University	Karnataka
FDP27	Amit Vasant Pandhare	Assistant Professor	SIES Graduate School of Technology	Maharashtra
FDP28	Vijay Jumb	Assistant Professor	Xavier Institute of Engineering	Maharashtra
FDP29	Rakheeba Taseen	Assistant Professor	Don Bosco Institute of technology	Karnataka
FDP30	Mrs. Rashmi Maheshwari	Assistant Professor	Shree L. R. Tiwari college of engineering	Maharashtra
FDP31	Sarika Jagtap	Assistant Professor	MVPS'S KBTCOE NASHIK	Maharashtra
FDP32	Mrs.Madhuri N. Gedam	Assistant Professor	SLRTCE	Maharashtra
FDP33	Prof. Shilpa M. Satre	Assistant Professor	Bharati vidyapeeth college of engineering Navi Mumbai	Maharashtra
FDP34	Yaminee Patil	Assistant Professor	A P Shah Institute of Technology	Maharashtra
FDP35	Sudhir Bagul	Assistant Professor	D J Sanghvi college of Engineering	Maharashtra
FDP36	Aniket Anil Kore	Assistant Professor	Dwarkadas J Sanghvi College of Engineering	Maharashtra
FDP37	Shivashankar Jalamsing Bhutekar	Assistant Professor	Mahatma gandhi mission college of engineering and technology kamothe	Maharashtra
FDP38	ANITA DAYANAND MHATRE	Assistant Professor	DATTA MEGHE COLLEGE OF ENGINEERING	Maharashtra
FDP39	Dr. Vaishali Amol Gaikwad	Assistant Professor	K. J. Somaiya Institute of Engineering & Information Technology	Maharashtra
FDP40	Mrinal Ashish Khadse	Assistant Professor	SIES Graduate School of Technology	Maharashtra
FDP41	Ms. Pranali Nunes Dsilva	Assistant Professor	Shankar Narayan College of Arts & Commerce	Maharashtra
FDP42	Priti Badhe	Assistant Professor	Thakur Institute of Management Studies, Career Development & Research	Maharashtra
FDP43	Chhaya Suhas Patil	Assistant Professor	RCPET'S INSTITUTE OF MANAGEMENT RESEARCH AND DEVELOPMENT	Maharashtra
FDP44	Shivappa M Metagar	Assistant Professor	Walchand Institute of technology,solapur	Maharashtra
FDP45	KALAIARASI K	Assistant Professor	Cauverycollege for women autonomous	Tamilnadu
FDP46	Shyamsundar Pralhad Magar	Assistant Professor	Terna Engineering College Nerul Navi Mumbai	Maharashtra
FDP47	Amogh Santosh Pai Raiturkar	Assistant Professor	Padre Conceicao College of Engineering	Goa
FDP48	Dr.D.Sathiyaseelan	Assistant Professor	JP College of Arts and Science, Tenkasi	TAMIL NADU
FDP49	Rippal Gupta	Assistant Professor	Bhavans College mumbai	Maharasthra
FDP50	Pruthviraj R. Pawar	Assistant Professor	Bharati Vidyapeeth College of Engineering, Navi Mumbai	Maharashtra
FDP51	Anna N Kurian	Assistant Professor	St. Joseph's College of Engineering and Technology Palai	Kerala
FDP52	Dr. G. Radha Devi	Assistant Professor	Malla Reddy College of Engineering	Telangana
FDP53	Dr.Makesar Mahendra Shriramji	Associate Professor	Nagpur Institute of Technology	Maharashtra
FDP54	Arvind P Meshram	Associate Professor	MVPS'S KBT COLLEGE OF ENGINEERING NASHIK	Maharashtra
FDP55	Jayesh Solanki	Associate Professor	L D Arts College	GUJARAT

FDP56	DR. HARSHIKA KUMARI	Associate Professor	Dr. Akhilesh Das Gupta Institute of Technology & Management, New Delhi	Delhi
FDP57	Mr. RAYALA RAVI KUMAR	Associate Professor	MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY,HYDERABAD	TELANGANA
FDP58	SANTOSH KUMAR PATRO	Govt. Professional	Organisation name:JRHMS, Govt. of Jharkhand	Jharkhand
FDP59	SIRISHA GANGA	LAB PROGRAMMER	Bvrithyderabad college of Engineering for women	TELAGANA
FDP60	P.Narsimha Ramulu	Lab Supervisor	BVRIT HYDERABAD College of Engineering for Women	Telangana
FDP61	P.L.Srinivas Rao	Lab technician	BVRITH COLLEGE OF ENGINEERING FOR WOMEN	Telangana
FDP62	SUHAS AITHAL V	Lecturer	VIDYA SANSKAAR INSTITUTE OF SCIENCE COMMERCE AND MANAGEMENT	KARNATAKA
FDP63	N Mehar Chaitanya	Programmer	BVRIT HYDERABAD College of Engineering for Women	Telangana
FDP64	K Sasi Pavani Priya	Programmer	BVRIT HYDERABAD College of Engineering for Women	Telengana
FDP65	P.Sai Ramani	Programmer	BVRIT HYDERABAD College of Engineering for Women	Telengana
FDP66	Adabalarajesh	Programmer	BVRIT HYDERABAD College of Engineering for Women	Telangana
FDP67	Ansari Usama Shakeel Ahmed	Research Scholar (MS)	Indian Institute Of Technology Madras	Tamil Nadu
FDP68	M MADHU	Research Scholar (PhD)	VIAET	UTTARPRADESH
FDP69	Algama Masud	Research Scholar (PhD)	T M Bhagalpur University	West Bengal
FDP70	Radhika kumari	Research Scholar (PhD)	LPU,Phagwa,jallandhar	J&K
FDP71	Mihika Mahendra	Research Scholar (PhD)	Netaji Subhas Institute of Technology	Delhi
FDP72	Vinotheni. C	Research Scholar (PhD)	Pondicherry Engineering College	Puducherry
FDP73	M R Ramesh	Scientific Assistant	Indira Gandhi Centre for Atomic Research, Kalpakkam	Tamilnadu
FDP74	SOWMIYA CATHERINE A	TEACHER	Cauvery college for women	Tamil Nadu
FDP75	Rehaal Qureshi	Teaching assistant	Anjuman-I-slam's Kalsekar Technical Campus	Maharashtra
FDP76	Balasaheb Balkhande	Assistant Professor	Bharati Vidyapeeth College of Engineering, Kharghar	Maharashtra
FDP77	Ranjit Rajaram Mane	Assistant Professor	Bharati Vidyapeeth College of Engineering Navi Mumbai	Maharashtra
FDP78	Pratibha Mukund Dhotre	Assistant Professor	Ramrao Adik Institute of Technology	Maharashtra
FDP79	Madhuri Sharma	Assistant Professor	SRM IST	Uttar Pradesh
FDP80	Dr. J.K.KANIMOZHI	Assistant Professor	Sengunthar Arts and Science College, Tiruchengode	Tamilnadu
FDP81	Dhanashri Nilesh Patil	Assistant Professor	SCOE,Pune	Maharashta
FDP82	Neha Deshmukh	Assistant Professor	A. P. SHAH INSTITUTE OF TECHNOLOGY	Maharashtra
FDP83	Dr Sameer Nanivadekar	Associate Professor	A P Shah Institute of technology	Maharashtra
FDP84	Sunil Dilip Chaudhari	Assistant Professor	Father Conceicao Rodrigues College Of Engineering, Bandra	Maharashtra
FDP85	s.bushra91@gmail.com	Research Scholar (PhD)	SADAKATHULLAH APPA COLLEGE	TAMILNADU

FDP86	Leela Mantri	Assistant Professor	Sri Indu college of engineering and technology	Telangana
FDP87	Karuna Patel	Assistant Professor	Parul Institute of Computer Application	GUJARAT
FDP88	Prof. Hina J Chokshi	Assistant Professor	Parul Institute of Computer Application	Gujarat
FDP89	Nahid Kausar Abdul Jabbar shaikh	Assistant Professor	A P shah institute of technology	Maharashtra
FDP90	PATHURI MAHENDER REDDY	Associate Professor	ZPHS Boys Sircilla	Telangana
FDP91	Dr. Pyare Lal	Assistant Professor	Banasthali Vidyapith (Rajasthan)	Rajasthan
FDP92	DINESH RAMESH SALUNKE	Assistant Professor	RMD SINHGAD SCHOOL OF ENGINEERING	Maharashtra
FDP93	Golekar Pushkar Ramesh	Assistant Professor	RMD Sinhgad school of Engineering	Maharashtra
FDP94	Sangeeta A. Parshionikar	Assistant Professor	Fr Conceicao Rodrigues college of engineering	Maharashtra
FDP95	RAMKUMAR KANHISINGH SOLANI	Assistant Professor	Jagadambha College of Engineering and Technology, Yevatmal	Maharashtra
FDP96	Ritesh vilasrao Deshmukh	Assistant Professor	Jagadambha College of Engg and Technology	Maharashtra
FDP97	Dr. KIRAN SHRIMANT KAKADE	Assistant Professor	GURU NANAK INSTITUTE OF MANAGEMENT STUDIES MUMBAI	Maharashtra
FDP98	MR. GAJANAN UTTAM PATIL	Assistant Professor	HSM'S, SSGBCOE&T, BHUSAWAL	MAHARASHTRA
FDP99	Professor Sambhaji Bhosale	Assistant Professor	VDF School of Engineering & Technology, Latur (M.S)	Maharashtra
FDP100	Shajidha Banu M	Assistant Professor	Aiman College of Arts and Science for Women	Tamilnadu
FDP101	Navaneethan Selvaraj	Research Scholar (PhD)	S.RM.iS.T	Tamilnadu
FDP102	Gaurav Barot	Assistant Professor	R. N. G. Patel Institute of Technology	Gujarat
FDP103	Mr Bhoopendra Singh	Guest faculty	Govt Nirbhay Singh Patel Science College Indore MP	MP
FDP104	Geetanjali Rohan Kalme	Assistant Professor	APSIT	Maharashtra
FDP105	REKHA.S	Research Scholar (PhD)	KARNATAKA STATE OPEN UNIVERSITY, MYSORE.	KARNATAKA
FDP106	Mrs. Swapnali Suraj Shah	Assistant Professor	Sadguru Gadage Maharaj College (Autonomous), Karad	Maharashtra
FDP107	Sivakumar R D	Assistant Professor	Bell Institute Sivakasi	Tamil Nadu
FDP108	ARCHANA PASCAL LOPES	Assistant Professor	Fr. Conceicao Rodrigues College of Engineering	Maharashtra
FDP109	Dr Suresh Kumar Agarwal	Professor	Pragyan Foundation	West Bengal
FDP110	DR SANDIP D SATAV	Associate Professor	JSPM's Jayawantrao Sawant COE Pune 411028	Maharashtra
FDP111	Ramachandran G	Assistant Professor	Vmkvec	Tamilnadu

Fr. Conceicao Rodrigues College of Engineering

Faculty Development Programme

on

Essentials of Linux System Administration (Schedule)

DAY	SESSION AND TIME	TOPIC COVERED	Resource Person
Day1: **16th April 2021, Friday**	**9:00 AM TO 11:00 AM** **9:30 AM to 11:00 AM**	**Introduction to Linux** • File system Hierarchy • Bootloader **Linux Command line:** • Basic commands • Working with the Bash Shell, Bash History • Performing Basic File System Management Tasks, Working with Directories, Piping and Redirection, Finding Files (grep, find) • Read and Set Environmental and Shell Variables • User and Group Management	**Prof. Mahendra Mehra,** Certified Linux Trainer Assistant Prof. Fr. CRCE, Mumbai
	11:00 AM to 11:15 AM	**Session Break**	

	11:10 AM to 1:00 PM	**System Administration Tasks:**
		 • System and Process Monitoring and Management
		 • Process management tools
		 • Sending signals to processes
		 • Scheduling Jobs
		 • Managing storage devices
		 • Mounting Devices
		 • Working with Links
		 • Creating Backups
		 • Setting Up System Logging
		   1. Setting Up Rsyslog
		   2. Common Log Files and Setting Up Logrotate
			Prof. Mahendra Mehra, Certified Linux Trainer Assistant Prof. Fr.CRCE, Mumbai

	1:00 PM to 2:00 PM	**Lunch Break**	
	2:00 PM to 4:00 PM	**Managing Software:** • Understanding Packages • Installing packages offline • Installing packages online • Uninstalling packages • Managing Repositories **Connecting to the Network:** • Understanding Network Manager • Working with Services and Runlevels • Configuring the Network with Network Manager • Networking from the Command Line • Troubleshooting Networking • Setting Up IPv6	**Mr. Gautam M. Borkar** Associate Professor, CSE Dept RAIT, Mumbai RHEL Certified professional, CCNA certified and DevNet Certified

		• Configuring SSH, Enabling the SSH Server, Using the SSH Client.	
Day2: 17th April 2021, Saturday	**9:00 AM TO 11:00 AM**	**Install Linux, Apache, MySQL, PHP (LAMP) stack on Linux Machine:** • Installing Apache and Updating the Firewall • Installing MySQL • Installing Php • Setting Up Virtual Hosts • Testing PHP Processing on your Web Server • Install and Secure phpMyAdmin • Running a demo web application.	**Prof. Mahendra Mehra,** Certified Linux Trainer Assistant Prof. Fr. CRCE, Mumbai
	11:00 AM to 11:15 AM	**Session Break**	
	11:15 AM to 1:00 PM	**Shell Scripting** • Intro to Bash Scripting • Variables, Control Structures, and Arithmetic • Handling User Input	**Mr. Paresh Chalke** Sr DevOps Engineer at Disney Streaming Services Stockport, England, United Kingdom
	1:00 PM to 2:00 PM	**Lunch Break**	
	2:00 PM to 4:00 PM	**Advanced Shell Scripting** • Creating Functions • Introducing sed and gawk Regular Expressions	**Mr. Paresh Chalke** Sr DevOps Engineer at Disney Streaming Services Stockport, England, United Kingdom
	4:00 PM to 4:30 PM	**Valedictory**	

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

REPORT ON FACULTY DEVELOPMENT PROGRAMME ON "ESSENTIALS OF LINUX SYSTEM ADMINISTRATION"

Jointly organized by department of Computer Engineering, department of Information Technology and department of Electronics and Computer Science

Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, recently conducted a National level two days Faculty Development Program on "Essentials of Linux System Administration" on 16th & 17th April 2021. The FDP was jointly organized by the department of Computer Engineering, Information Technology & Electronics and Computer Science in collaboration with technology partner SYBGEN. This workshop was conducted under the guidance of Dr. B.S. Daga – Head of the Computer Engineering department, Dr. Jagruti Save – Head of the Information Technology department and Dr. Sapna Prabhu – Head of the Electronics and Computer Science department.

Owing to the COVID19 situation the entire FDP was managed and hosted on an online platform via video conferencing. Participants across all over India actively participated in the FDP and experienced the Linux system administration learning with hands-on experience. About 113 participants from all over India coming from different universities and industry registered for the event. The recordings of the sessions were uploaded on Google drive and shared with the participants. Unlike face to face sessions, the advantage of conducting online FDP was the unbounded reachability and opportunity for the participants to hear from the international speakers.

FDP Theme:
Linux acts as a significant strength in the computing industry. Most of the webserver, mobile phones, personal computers, supercomputers, and cloud-servers are powered by Linux. Linux is an open-source operating system that provides features like high security, reliability, and stability, dominating the server market. The cutting-edge technologies like Cloud Services, IoT, and DevOps tools require a good hold on Linux system administration. This FDP was aimed to train Faculty from different streams on skills required to manage and administer Linux machine and provide practical hands-on skills. Linux system administration is one of the most in-demand skills in the IT industry.

FDP Objectives:
- To help faculty gain Linux systems administration skills and have a deep understanding of Linux fundamentals and concepts. More importantly, they will be able to put those concepts to use in practical, real-world situations.
- To prepare faculty to automate daily tasks by writing Shell Scripts.
- To help the faculty attain essential knowledge of Linux System which will increase their productivity and help prepare for subjects like Cloud Computing, IoT, DevOps, Ethical Hacking, Digital Forensics and many more.

FDP Outline:
- Linux System Architecture
- Linux File systems, File system Hierarchy Standard
- Linux System Administration Commands
- Essential System Services
- Networking Fundamentals
- Linux Package Management
- Shells, Scripting and Data Management
- Linux Server Administration: Configuring LAMP stack

Resource Persons:
- Mr. Paresh Chalke - Sr. DevOps Engineer, Disney Streaming Services Stockport, England, United Kingdom.
- Dr. Gautam Borkar – Associate Professor, Ramrao Adik Institute of Technology, Mumbai.
- Prof. Mahendra Mehra – Assistant Professor, Fr. Conceicao Rodrigues College of Engineering, Mumbai.

Planning:
Planning for the Faculty Development Programme began at the start of March 2021. An external call for sponsor was sent out to corporate partners for their association in any form possible. FDP title was confirmed after brainstorming over multiple topics and with due permission of HOD and Principal madam. Meticulous planning was done to design Brochure and along with registration form which were circulated over social media and messaging platforms. Invitations were sent out to different Industry personnel's using personal contacts and Alma connect to join as resource person for the FDP. Telegram and WhatsApp groups were created to communicate with the registered participants. Online quiz was conducted to validate the learning from the five days FDP. Attendance was analyzed from the online platform and a list was prepared of eligible candidates, certificates were distributed to them via Email.

Technology Sponsors:
SYBGEN was our technology sponsor who provided an opportunity to all the participants of this Two days FDP to get certified as Linux system Administrator for the course offered by SYBGEN.

Event Timeline:
Day 1 (16th April 2021):
The event started with the welcome speech by coordinator Prof. Dipali Koshti. On behalf of Fr. CRCE she welcomed all the participants and introduced them to Fr. CRCE and its history. She briefed the outline and objectives of the FDP course and also introduced the speaker of the first session Prof. Mahendra Mehra. First two sessions of the day1 were engaged by Prof. Mahendra Mahra. He started the session with the introduction to Linux and then took the

detailed hands-on on Linux commands. The sessions were very informative and participants enjoyed live demonstration of the Linux commands. The third session post the lunch break began with the introduction of the next speaker Dr. Gautam Bokar. He gave detailed insight of Networking with Linux and also demonstrated how to manage software packages.

Day 2 (17th April 2021):

Day2 focused on learning advanced Linux administration concepts. Prof. Mahendra Mehra demonstrated Installation of Linux, Apache, MySQL and PHP Server. Next two sessions were conducted by Mr. Paresh Chalke completely dedicated to exploring shell scripts. He demonstrated how to automat tasks using the Shell scripts. All the sessions were appreciated by the participants.

Valedictory:

On 17th April 2021, at 4:00 pm program was concluded by Prof. Prachi Patil with a vote of thanks and briefing the participants about the online exam which was conducted on 21st April 2021.

Feedback:

At the end of each session feedback was collected form the participants using Google form. The response received was amazing. Most of them praised the structure and contents of the programme and the way things were coordinated and communicated. Many of them gave their positive comments on the knowledge of the speakers.

Acknowledgement:

We extend our sincere thanks to the Management, Principal, Head of all the departments and entire CRCE staff for their constant support and guidance. Special thanks to our technology partner SYBGEN for providing an opportunity to all the participants of this FDP to get certified as Linux system Administrator for the course offered by Sybgen. Last but not the least, we thank our entire organizing committee without whose hard work and support this program would not be a success.

Event Coordinators:

Prof. Mahendra Mehra (Assistant Prof, Computer Engg Dept.)
Prof. Dipali Koshti (Assistant Prof, Computer Engg Dept.)
Prof. Prachi Patil (Assistant Prof, Information Technology Dept.)
Prof. Prajakta Bhangale (Assistant prof, Information Technology Dept.)
Prof. Swapnali Makdey (Assistant Prof, Electronics & Computer Science Dept.)
Prof. Jagruti Nagaonkar (Assistant Prof, Electronics & Computer Science Dept.)

Date: 19-04-2021
Place: Mumbai

EVENT SCHEDULE:

DAY	SESSION AND TIME	TOPIC COVERED	RESOURCE PERSON
Day1: **16th April 2021, Friday**	**9:00 AM TO 11:00 AM**	**Introduction to Linux** • Installation • File system Hierarchy Standards **Linux Command line:** • Basic commands • Working with the Bash Shell, Bash History • Working with Files & Directories • Piping and Redirection, Finding Files (grep, find) • Read and Set Environmental and ShellVariables • User and Group Management • Managing File Permissions	**Prof. Mahendra Mehra,** Certified Linux Trainer Assistant Prof. Fr. CRCE, Mumbai
	11:00 AM to 11:15 AM	**Session Break**	

	11:15 AM to 1:00 PM	**System Administration Tasks:**
		• System and Process Monitoring andManagement
		• Scheduling Jobs
		• Managing storage devices
		• Mounting Devices
		• Working with Links
		• Creating Backups
		• Setting Up System Logging
		  1. Setting Up Rsyslog
		  2. Common Log Files and Setting Up Logrotate
			Prof. Mahendra Mehra, Certified Linux Trainer Assistant Prof. Fr.CRCE, Mumbai

	1:00 PM to 2:00 PM	**Lunch Break**	
	2:00 PM to 4:00 PM	**Managing Software:** • Understanding Packages • Installing packages offline • Installing packagesonline • Uninstalling packages • Managing Repositories **Connecting to the Network:** • Understanding Network Manager • Working with Services and Runlevels • Configuring the Network with NetworkManager • Networking from the Command Line • Troubleshooting Networking • Setting Up IPv6, Configuring SSH, Enabling the SSH Server, Using the SSH Client.	**Mr. Gautam M. Borkar** Associate Professor, CSE Dept RAIT, Mumbai RHEL Certified professional, CCNA certified and DevNet Certified

Day2: 17th April 2021, Saturday	9:00 AM TO 11:00 AM	**Install Linux, Apache, MySQL, PHP (LAMP) stack on Linux Machine:** • Installing Apache and Updating the Firewall • Installing MySQL • Installing Php • Setting Up Virtual Hosts • Testing PHP Processing on your Web Server • Install and Secure phpMyAdmin • Running a demo web application.	**Prof. Mahendra Mehra,** Certified Linux Trainer Assistant Prof. Fr. CRCE, Mumbai
	11:00 AM to 11:15 AM	**Session Break**	
	11:15 AM to 1:00 PM	**Shell Scripting** • Intro to Bash Scripting • Variables, Control Structures, and Arithmetic • Handling User Input	**Mr. Paresh Chalke** Sr DevOps Engineer at Disney Streaming Services Stockport, England, United Kingdom
	1:00 PM to 2:00 PM	**Lunch Break**	
	2:00 PM to 4:00 PM	**Advanced Shell Scripting** • Creating Functions • Introducing sed and gawk Regular Expressions	**Mr. Paresh Chalke** Sr. DevOps Engineer at Disney Streaming Services Stockport, England, United Kingdom
	4:00 PM to 4:30 PM	**Valedictory**	

EVENT GALLARY:

Prof. Dipali koshti hosting the event and introducing the speaker Prof. Mahendra mehra to the audience

Invited Speakers for Two day FDP on " Essentials of Linux System Administration"

Student Development Program(SDP)

"CHATBOT DESIGNING"

Event Name : "CHATBOT DESIGNING" workshop

Date: 27-28th August, 2021

Total Participants:160

Computer Engineering Department –CRCE organised a Student Development Program (SDP) workshop on "Chat-bot Designing" on 27-28th August 2021. The objective of the event was to help the students understand the basics of chat-bot designing and clearing their doubts regarding the same hence encouraging them to build their own chat-bot. Total of 160+ students of SE from Computer and AI-DS branch attended the session. The outcome of the workshop was that all the students learned and cleared their doubts regarding chat-bot designing and the speaker also motivated them to form their own bots, to take various projects involving bot designing . The session also helped the students realize how important bots are in Real Life examples. From the Knowledge gained from the SDP,following is the List of few Chatbots Implemented by the Second Year students of Computer Engineering Department in their Mini Project Course.

Sr.No.	Title Of the Project	Student Names
1	Pet Care	Riddhi Dinesh Oza
		Ayuksh Rane
		Shaun Dabre
		Unnati kotian
2.	COVID 19 chatbot with features like covid vaccine info and vaccination centre info	Chinmay Kadam
		Ayush Sharma 9
3	Eventbuddy - event booking app	Reuben D'sa
		Aarush Verulkar
		Aaron Pereira
		Aakarsh Sharma
4	E-commerce + auction website Chatbot which answer's basic questions	Samuel
		Rahul

		Harsh
		Ashe

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

FR. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050

Student Development Program(SDP)-CRCE organized "CHATBOT DESIGNING" workshop

Event Name : "CHATBOT DESIGNING" workshop
Date : 27-28th August, 2021
Platform : Zoom

Student Development Program (SDP) Fr. CRCE. organized a workshop on "Chat-bot Designing" on 27-28th August 2021. The objective of the event was to help the students understand the basics of chat-bot designing and clearing their doubts regarding the same hence encouraging them to build their own chat-bot.

A total of 160+ students of SE from Computer and AI-DS branch attended the session. The mode of session delivery was Zoom.

DAY : 1

The session started with Mr. Deepak Bhoir faculty of Fr. CRCE explaining the students importance to adapt the upcoming advancements in the field of computer's. Later the session was continued by our speaker for the day Mr. Yameen Ajani.

Mr.Yameen Ajani

The first half session for day-1 was covered by speaker for the day, Mr. Yameen Ajani who was Technical Secretary of STUCO for the year 2020-21. He has helped conducting various technical events for the students of CRCE. Major events conducted by him were Crescendo and Synergy. Currently he is helping by working as chat-box developer for CRCE.

He initiated the workshop by taking into consideration what prior knowledge the students possessed regarding the chat-bot designing. According he proceeded the session starting with covering the basics. The importance of chat-bots' in our upcoming future along with it's use and accessibility was emphasized. The speaker used various fun illustrations to make the session more easier to understand.

Google Dialogflow platform was used for the making of chatbot. Dialogflow makes it easy to design and integrate conversional user interface hence students found it easy to gasp.

The speaker taught how to add basic training phrases, commands depending on the purpose of our bot thus making familiar how to train the bot.

The second half session for day-1 was covered by Ms. Sachi Verma, who is the current Technical Secretary of STUCO for the year 2021-22. Ms. Sachi continued the workshop by covering the topics on how to add reference links to our bot and few more.
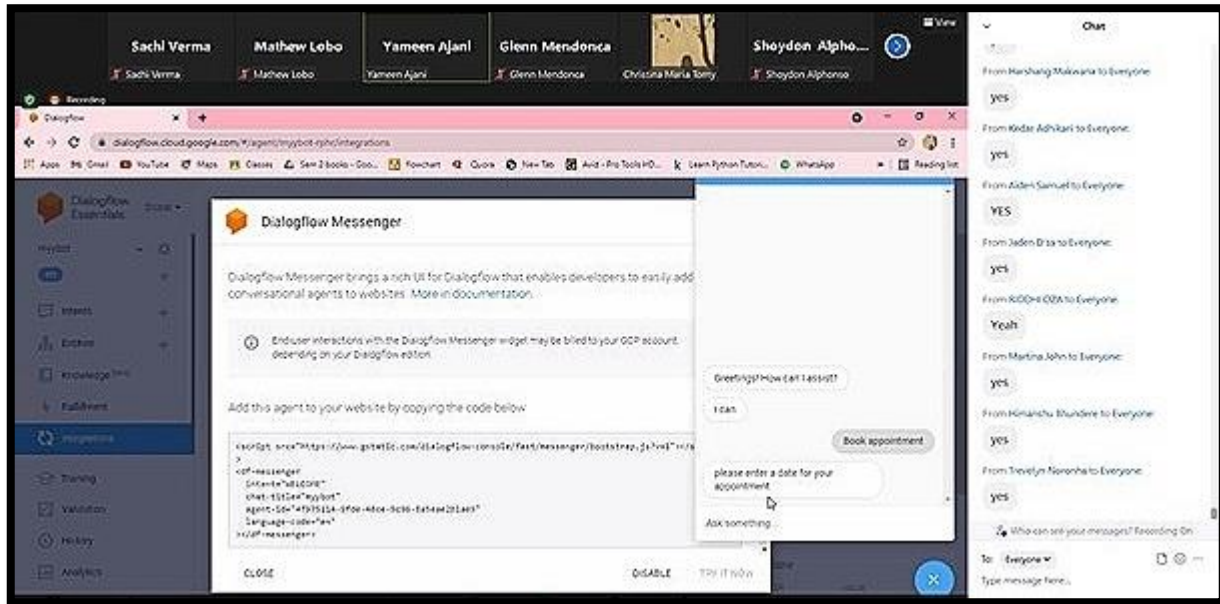
Day-1 ended on a happy note with students having satisfactory responses along with basic knowledge of bot building.

DAY : 2

The second day of workshop started with having speaker, Mr. Noel Jaymon. He has developed various chat-bots' which are currently used on platforms such as Google Assistant, Telegram and many more. Mr. Noel is currently working as Conventional Bot Engineer at Quantiphi.
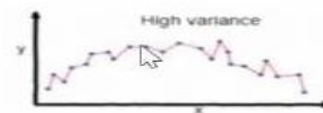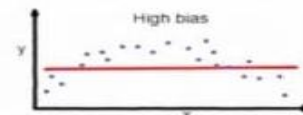
Mr. Noel Jaymon

He initiated the session by taking recap of what was done in previous day's session. Later he explained the theory behind chat-bot making in detail. The speaker had prepared various chats, graphs, etc which made it simplier to learn and understand the concepts covered.

The session was continued with covering steps required to link a particular bot to any apps. Backend programming to form a chat-bot was taught with the help of VS code and Node JS.
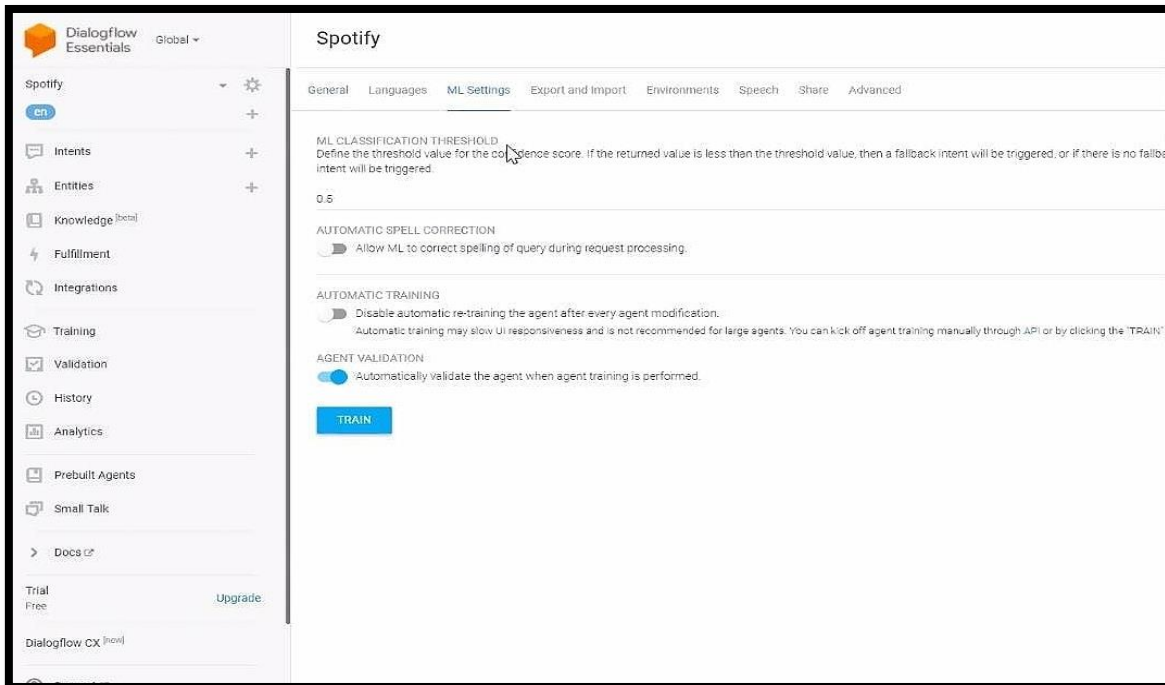
The overall environment created in the workshop encouraged students to freely ask their doubts without any hesitation. Therefore the audience actively participated and interacted during the session and cleared all their queries they had in minds.

The questions asked by the audience included such as:

- How to make pre-defined slots
- How to get value of parameters in training phases
- What steps do we need to take to create a caller id
- How to add different intents' context in one intent
- What is the procedure to attach links in our bot
- How to create more options to choose from in our bot
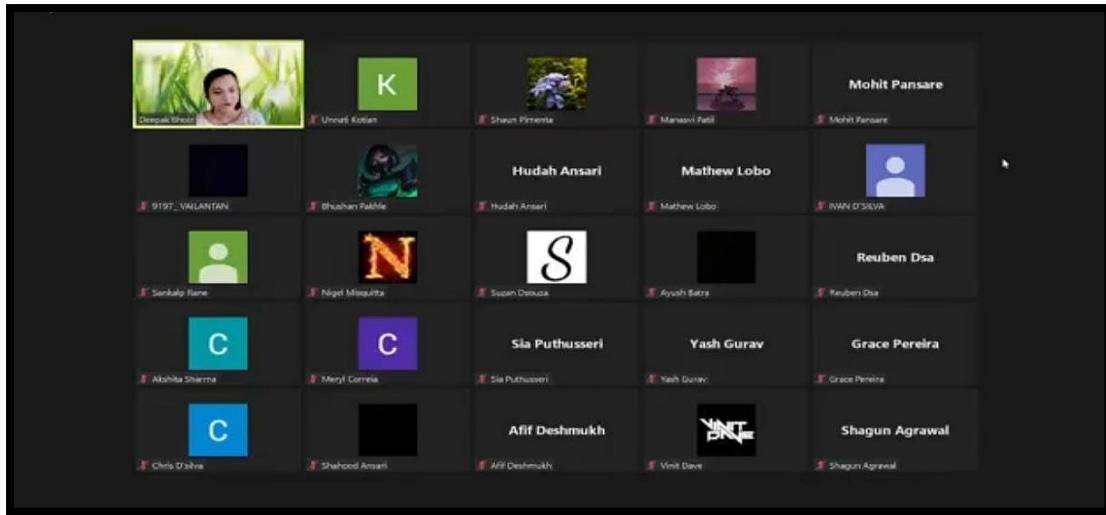
The outcome of the workshop was that all the students learned and cleared their doubts regarding chat-bot designing and the speaker also motivated them to form their own bots and to take various projects involving bot designing by stating his experience and guidance. The session also helped the students realize how important bots are with the help of examples. It enlightened the students about what they should do in future and it's never late to begin.

A good feedback was received from all the participants. All the students were thrilled to get the guidance from mentor Mr. Yameen Ajani and Mr. Noel Jaymon. Participation certificates were also provided to the participants by the department of Computer and AI-DS. An active participation by the speaker, faculty members and the participants made the "CHATBOT DESIGNING" workshop a grand success!
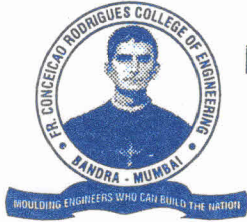
Ref.: CRCE / 2021   *Date*: October 13, 2021.

To,
Mr. Kartick Hariharan
Machine Learning Engineer
Quantiphi Analytics Solution Private Limited
MUMBAI

<u>**Subject**</u> : **Invitation as Guest Speaker for our Third Year**
<u>B.E. Computer Engineering Students</u>

Respected Sir,

At the outset, please accept our greetings.

We will be arranging an online lecture for our Third Year B.E. Computer Engineering students on the topic "**Role of Analytics from Placement Perspective**" as a part of their curriculum.

We would like to invite you as a Guest Lecturer to deliver the session on the above said subject on Monday, 18th October 2021 from 11.15 PM onwards.

Your expert talk will certainly help the students to navigate the placement process successfully and understand the areas that needs improvements knowledge on the above subject.

We thank you in anticipation for acceptance of our invitation as a Guest Lecturer.

Thanking you,

With Regards

Dr.(Mrs.) Srija Unnikrishnan
Principal

Guest Lecture

Topic- Role of analytics from Placement Perspective
Date: Monday, 18 oct 2021, time 11.15- 12.15pm
Venue : Online -Google meet

1. Email *

    _____

2. Name *

    _____

3. Rollno *

    _____

4. How interesting this session was for you *

    Mark only one oval.

    ◯ Excellent

    ◯ Very Good

    ◯ Good

    ◯ Satisfactory

5.   Did the lecture cover what you were expecting *

Mark only one oval.

○ Excellent

○ Very Good

○ Good

○ Satisfactory

6.   How this session was useful from knowledge and placement point of view *

Mark only one oval.

○ Excellent

○ Very Good

○ Good

○ Satisfactory

7.   Overall effectiveness of lecture *

Mark only one oval.

○ Excellent

○ Very Good

○ Good

○ Satisfactory

8.   Additional comments and suggestions for future *

_____

Timestamp	Email Address	Name	Rollno	How interest	Did the lect	How this ses	Overall effec	Additional comments and suggestions for future	
10/18/2021 12:13:50	rosslobo28@gmail.com	ROSS LOBO	8882	Very Good	Very Good	Excellent	Very Good	None	
10/18/2021 12:13:58	crce.8872.ce@gmail.com	Ibin Babu	8872	Very Good	Very Good	Very Good	Very Good	Fine	
10/18/2021 12:14:01	crce.8891.ce@gmail.com	Noronha Nikita Em	8891	Very Good	Excellent	Very Good	Very Good	No comments	
10/18/2021 12:14:07	crce.8870.ce@gmail.com	Happy Varughese	8870	Very Good	Excellent	Very Good	Excellent		
10/18/2021 12:15:20	crce.8916.ce@gmail.com	Travis Vaz	8916	Very Good	Very Good	Very Good	Very Good	Good session	
10/18/2021 12:16:14	crce.8860.ce@gmail.com	Jainesh Chawan	8860	Excellent	Excellent	Excellent	Excellent	None	
10/18/2021 12:21:29	crce.9082.ce@gmail.com	Harshala Athani	9082	Very Good	Very Good	Excellent	Very Good	Nothing as such.	
10/18/2021 12:22:04	crce.9081.ce@gmail.com	Prathamesh Sagar	9081	Excellent	Excellent	Excellent	Excellent	Excellent session with well explained points	
10/18/2021 12:22:08	crce.8886.ce@gmail.com	Abde Abitalib Merc	8886	Good	Good	Good	Good	None	
10/18/2021 12:22:44	crce.8904.ce@gmail.com	Mann Sanghvi	8904	Excellent	Very Good	Excellent	Excellent	-	
10/18/2021 12:23:00	crce.8881.ce@gmail.com	Natasha Lobo	8881	Excellent	Excellent	Excellent	Excellent	No	
10/18/2021 12:24:09	crce.8877.ce@gmail.com	Bhuvanesh Kolhe	8877	Very Good	Very Good	Excellent	Very Good	Session was really great.	
10/18/2021 12:24:30	crce.8894.ce@gmail.com	Bhavendra Pancha	8894	Excellent	Excellent	Excellent	Excellent	Nice Presentation	
10/18/2021 12:26:46	crce.9084.ce@gmail.com	Bless Dmello	9084	Excellent	Excellent	Excellent	Excellent	Nothing.	
10/18/2021 12:27:09	crce.8867.ce@gmail.com	Austin Fernandes	8867	Excellent	Excellent	Excellent	Excellent	Nothing	
10/18/2021 12:27:22	crce.8913.ce@gmail.com	Aayushi Thakur	8913	Excellent	Very Good	Very Good	Very Good	none	
10/18/2021 12:27:41	crce.8864.ce@gmail.com	Aaron Dsouza	8864	Very Good	Good	Good	Good	Good presentation.	
10/18/2021 12:29:08	crce.8911.ce@gmail.com	Sreenivasan Murug	8911	Very Good	Very Good	Excellent	Very Good	EXCEPTING THIS KIND OF WEBINARS ,ITS VERY HELPFUL AND MADE CONCEPTS CLEAR.	
10/18/2021 12:31:44	crce.8865.ce@gmail.com	Dilton D'souza	8865	Very Good	Very Good	Very Good	Very Good	None	
10/18/2021 12:31:53	crce.8855.ce@gmail.com	Ridham Ashokkum	8855	Very Good	Excellent	Very Good	Excellent	Placement related more such session expected	
10/18/2021 12:32:08	crce.ce.9083@gmail.com	Praveen Bhandari	9083	Excellent	Excellent	Excellent	Excellent	NaN	
10/18/2021 12:32:15	crce.9085.ce@gmail.com	Halden Dmello	9085	Excellent	Very Good	Very Good	Excellent	No suggestion	
10/18/2021 12:32:28	crce.8893.ce@gmail.com	Om padhy	8893	Very Good	Excellent	Very Good	Excellent	.	
10/18/2021 12:32:29	crce.9086.ce@gmail.com	Niel Dmello	9086	Very Good	Very Good	Very Good	Very Good	Lecture was interesting and useful for placement	
10/18/2021 12:32:56	crce.8885.ce@gmail.com	Samarth Mehta	8885	Very Good	Very Good	Very Good	Excellent	None	
10/18/2021 12:32:58	crce.8884.ce@gmail.com	Vaishnavi Marathe	8884	Very Good	Excellent	Excellent	Excellent	No suggestions.	
10/18/2021 12:33:31	crce.8878.ce@gmail.com	Sumit Kothari	8878	Good	Good	Good	Good	Nice session	
10/18/2021 12:34:19	crce.8900.ce@gmail.com	Joshua Rodrigues	8900	Very Good	Excellent	Excellent	Excellent	A much needed session and it cleared a lot of doubts regarding the modern market trends	

Timestamp	Email Address	Name	Rollno	How interest	Did the lect	How this ses	Overall effec	Additional comments and suggestions for future	
10/18/2021 12:34:25	crce.8863.ce@gmail.com	Vanessa D'mello	8863	Excellent	Excellent	Excellent	Excellent	What kind of projects in Machine Learning would be preferred when we go for an interview?	
10/18/2021 12:34:29	crce.8890.ce@gmail.com	Trupti Nerkar	8890	Excellent	Excellent	Very Good	Excellent	Looking forward for more sessions	
10/18/2021 12:34:46	crce.8907.ce@gmail.com	Srushti Suraj Shah	8907	Excellent	Excellent	Excellent	Excellent	Thank You for your guidelines.	
10/18/2021 12:34:49	crce.8901.ce@gmail.com	Kaylynn Rodrigues	8901	Very Good	Very Good	Excellent	Very Good	Good session	
10/18/2021 12:35:05	crce.8903.ce@gmail.com	Joyli Rumao	8903	Excellent	Excellent	Excellent	Excellent	No comments	
10/18/2021 12:36:18	crce.8875.ce@gmail.com	Upmanyu Jha	8875	Excellent	Excellent	Excellent	Excellent	no	
10/18/2021 12:46:06	crce.8914.ce@gmail.com	Reez Tuscano	8914	Very Good	Very Good	Very Good	Very Good	Nice presentation	
10/18/2021 14:51:56	crce.8859.ce@gmail.com	Yashaswini Sunil C	8859	Excellent	Excellent	Excellent	Excellent	Great session	
10/22/2021 17:38:46	crce.8871.ce@gmail.com	Pratik Gokul Harde	8871	Very Good	Very Good	Very Good	Very Good	lecture was really helpful	
11/10/2021 15:41:53	crce.8903.ce@gmail.com	Joyli Marshal Rumi	8903	Excellent	Excellent	Excellent	Excellent	No comments	
11/10/2021 15:46:17	crce.8901.ce@gmail.com	Kaylynn Rodrigues	8901	Very Good	Excellent	Excellent	Very Good	No Comments	
11/10/2021 20:40:00	crce.9084.ce@gmail.com	Bless Simon Dmell	9084	Excellent	Very Good	Excellent	Very Good	Nothing	
11/29/2021 13:24:46	crce.8875.ce@gmail.com	UPMANYU D JHA	8875	Excellent	Excellent	Excellent	Excellent	NA	

FR.CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

FR. AGNEL ASHRAM BANDRA (WEST)

DEPARTMENT OF COMPUTER ENGINEERING AND DEPARTMENT OF AI & DATA SCIENCE
ORGANISES A TWO DAY
FACULTY DEVELOPMENT PROGRAMME ON

ADVANCE CLOUD COMPUTING
DOCKER AND KUBERNETES

DATE : 28TH & 29TH JAN 2022

TIME : 10:30 AM – 4:00 PM

DR BHUSHAN JADHAV
ASSISTANT PROFESSOR, THADOMAL SHAHANI
COLLEGE OF ENGINEERING, BANDRA MUMBAI

THOMPSON NAIDU
SENIOR SOFTWARE DEVELOPER QUANTIPHI

PRANAY LOBO
SOFTWARE ENGINEER (R&D)
PROTEGRITY

CONVENERS
Dr. B.S. Daga ,HOD (COMPUTER DEPARTMENT)
Dr. Jagruti Save,HOD (AI & DS DEPARTMENT)

REGISTRATION LINK : https://forms.gle/Tm4xZJuRsPaKowUk8

REGISTRATION FEES RS 200

PROGRAM COORDINATIORS
Prof. Kranti Wagle (AI & DS DEPARTMENT) -9619610494
Prof. Supriya Kamoji (COMPUTER DEPARTMENT)-992048745

DAY 1

Docker- Implement Containerization using Docker

- To know the basic differences between Virtual machine and Container.
- Demonstration of creating, finding, building, installing, and running Linux/Windows application containers inside local machine or cloud platform

DAY 2

- To study and implement container orchestration using Kubernetes
- To understand the steps to deploy Kubernetes Cluster on local systems, deploy applications on Kubernetes, creating a Service in Kubernetes

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING, BANDRA(W)
DEPARTMENT OF COMPUTER ENGINEERING and AI & DATA SCIENCE
TWO DAY FACULTY DEVELOPMENT PROGRAMME 2022 ON
"ADVANCE CLOUD COMPUTING -DOCKER AND KUBERNETES".
DAY WISE SCHEDULE

Day	Time (IST)	Speaker	Topic
Day 1 (28/01/2022) Friday	10:30 am - 11:45 am	**Mr. Thompson Naidu** Senior Software developer @Quantiphi, Mumbai	**Inauguration** **Introduction to Docker**
	12:00 pm - 1:00pm	**Dr. Bhushan Jadhav** Assistant Professor, Artificial Intelligence & Data Science Department, Thadomal Shahani Engineering College of engineering, Mumbai.	**Implement Containerization using Docker**
	1:30 pm - 3:30pm	**Dr. Bhushan Jadhav** Assistant Professor, Artificial Intelligence & Data Science Department, Thadomal Shahani Engineering College of engineering, Mumbai.	**Hands on experiments on Docker**
Day 2 (29/01/2022) Saturday	10:30 am - 11:45 am	**Mr. Pranay Lobo** Software Engineer (R&D) @Protegrity, Mumbai	**Introduction to Kubernetes.**
	12 pm - 1:00 pm	**Dr. Bhushan Jadhav** Assistant Professor, Artificial Intelligence & Data Science Department, Thadomal Shahani Engineering College of engineering, Mumbai.	**Implement container orchestration using Kubernetes.**
	1:30 pm - 3:30pm	**Dr. Bhushan Jadhav** Assistant Professor, Artificial Intelligence & Data Science Department, Thadomal Shahani Engineering College of engineering, Mumbai.	**Hands on experiments on Kubernetes**

** The schedule/session may be extended or modified based on the requirement of the session.

Contact for Further Information:

1) **Prof. Kranti Wagle**
   kranti@frcrce.ac.in
   96196 10494

2) **Prof. Supriya Kamoji**
   supriyas@frcrce.ac.in
   9920487455

3) **Prof. Unik Lokhande**
   unik.lokhande@frcrce.ac.in
   95610 60633

To,   Date: 18-01-2022

The Principal
CRCE
Bandra(W)
Mumbai-50

Subject: Faculty Development Programme on "**Advance Cloud Computing-Docker and Kubernetes**".

Respected Madam,

Department of Computer Engineering and AIDS , is organising two days Faculty Development
Programme (FDP) on "**Advance Cloud Computing-Docker and Kubernetes**" on 28th and 29th January
2022. Speakers for the FDP are as follows
1.Dr.Bhushan Jadhav (Assistant Professor-Thadomal Shahni College of Engineering)
2.Mr.Thomson Naidu(Sr.Sofrware Developer -Quantiphi)
3.Mr.Pranay Lobo (Software Engineer-Protegrity)
Number of participants expected for this programme will be around 25. Estimated
Income/expenditure for the above said programme is as below.

	Expenditure	Income
Remuneration for the speakers	5000/	-
No.of Speakers	3	-
No.of Participants	-	25
Fees /Participant	-	200
Total	5000/	25*200=5000/
Profit Earned	Income-Expenditure=0/-	

Kindly approve the above budget.

Thanking you

Yours sincerely,

Prof.Kranti Wagle(Department of AI&DS)
Prof.Supriya Kamoji(Department of Computer Engineering)
Prof.Unik Lokhande(Department of AI&DS)
FDP Co-ordinators

Sr.No	Email Address	Participant's Name	Designation
1	kirti.m@xavier.ac.in	Kirti Motwani	Assistant professor
2	Shital.dhamal@ltce.in	Shital K Dhamal	Assistant Professor
3	smitaattarde@gmail.com	Smita Attarde	Assistant Professor
4	prachi.verma@sakec.ac.in	Prachi Verma	Assistant Professor
5	divya.pritam@sakec.ac.in	Divya Pritam	Asst.Professor
6	vaswani.naveen@gmail.com	Naveen Vaswani	Assistant Professor
7	mabhijeet@mes.ac.in	Abhijeet More	Assistant professor
8	vaishali.hirlekar@sakec.ac.in	Vaishali hirlekar	Assistant professor
9	ranjanasingh72@gmail.com	Ranjana Singh	Assistant Professor
10	sskadam@sspmcoe.ac.in	Sonali Tambe	Assistant professor
11	aaugustine@mes.ac.in	Archana Augustine	Asst. Professor
12	stilak@mes.ac.in	Sujit Tilak	Assistant professor
13	sheetalp@mes.ac.in	Sheetal Gawande	Assistant professor
14	milind.khairnar@sakec.ac.in	Milind Sudhir Khairnar	Assistant Professor
15	sridari.iyer@fragnel.edu.in	Sridari Iyer	Assistant Professor
16	SLKSATISH@GMAIL.COM	SATISH LALASAHEB KUCH	ASSISTANT PROFESSOR
17	crce.8960.ce@gmail.com	Candida Noronha	Computer Engineering Stude
18	ameazarodrigues@gmail.co	Ameaza Rodrigues	Student
19	patilaryan51@gmail.com	Aryan Patil	Student
20	shilpa.ingole@thadomal.org	Shilpa Ingoley	Assistant professor
21	madhuri.gedam@slrtce.in	Madhuri Narendra Gedam	Asstt Professor
22	suyog_sawant@yahoo.com	Suyog Sawant	Asst Proff
23	jds.cm.dmce@gmail.com	JAYANT SAWARKAR	Assistant Professor
24	ujwala.ravale@siesgst.ac.in	Ujwala Ravale	Assistant Professor
25	varsha.k@somaiya.edu	Varsha Ashok Kinge	Lecture
26	monali.rajput@ves.ac.in	Monali V. Rajput	Assistant Professor
27	crce.9092.ce@gmail.com	Manoharan Naidu	Student
28	ankita.amburle@gmail.com	Ankita Bhagwan Amburle	Assistant professor
29	jagruti@frcrce.ac.in	Jagruti Santosh Nagaonkar	Assistant professor
30	swati@fragnel.edu.in	Swati Ringe	Assistant Professor
31	iampriyanka.dhuliya@gmail.	Priyanka Dhuliya	Assistant Professor

Sr.No	Email Address	Participant's Name	Designation
32	prajakteec@sjcem.edu.in	PRAJAKTEE CHAUDHARI	Assistant Professor
33	sanjay.patil@kgce.edu.in	Sanjay Madhukar Patil	Assistant Professor
34	crce.8955.ce@gmail.com	Manobala	Student
35	roshni@frcrce.ac.in	Roshni Padate	Assistant professor
36	rashmi.dhumal@rait.ac.in	Rashmi Dhumal	Assistant Professor
37	swarupa.bodhe@rait.ac.in	Swarupa Bodhe	Assistance Professor
38	Jaya.zalte@sakec.ac.in	Jaya Zalte	Assistance Professor

Institute Name

Xavier Institute of Engineering

Lokmanya Tilak College of Engineering, Koparkhairane

Lokmanya Tilak College of Engineering

Shah & Anchor Kutchhi Engineering College

Shah and Anchor Kutchi Engineering College

Watumull Institute of Electronics Engineering and Computer Technology

PHCET

Shah and anchor kutchhi engineering college

Watumull Institute of Electronics Engg. and Computer Technology

SSPMCOE

Pillai HOC

Pillai college of engineering, New Panvel

Pillai college of engineering

Shah and Anchor Kutchhi Engineering College, Mumbai

Fr. CRCE

SMT. INDIRA GANDHI COLLEGE OF ENGINEERING, NAVI MUMBAI

Fr. Conceicao Rodrigues College of Engineering

FRCRCE

Fr CRCE

Thadomal Shahani Engineering college

SLRTCE, MIRA ROAD

SSPM COLLEGE OF ENGINEERING KANKAVLI

Datta Meghe College of Engineering

SIES Graduate School of Technology

K J Somaiya Polytechnic

VESIT, Chembur

Fr. Conceicao Rodrigues College of Engineering

Conceicao Rodrigues college of engineering

Fr. CRCE,Bandra west

Fr. Conceicao Rodrigues College of Engineering, Bandra

Datta Meghe College of Engineering

Institute Name

St. John College of Engineering and Management

Konkan Gyanpeeth College of Engineering Karjat

Fr. Conceicao Rodrigues College of Engineering

Fr. Conceicao Rodrigues college of engineering

Ramrao Adik Institute of Technology, Nerul

RAIT

SAKEC

Fr. Conceicao Rodrigues College of Engineering

DEPARTMENT OF COMPUTER ENGINEERING and DEPARTMENT OF AI & DATA SCIENCE

REPORT ON FACULTY DEVELOPMENT PROGRAMME ON ADVANCE CLOUD COMPUTING

-DOCKER AND KUBERNETES

Report compiled by: Supriya Kamoji

The Department of Computer Engineering and Department of AI & DATA Science of Fr. Conceicao Rodrigues College of Engineering, Mumbai organized a **Two day Faculty Development Program** (Online) on "**ADVANCE CLOUD COMPUTING -DOCKER AND KUBERNETES**" on 28th and 29th January 2022. This programme was a combination of Expert's Speeches & Practical Demonstrations by eminent personalities from Industry and Academia. This FDP was aimed for teachers who are teaching various disciplines of science and engineering subjects in colleges or Universities and was also open for research scholars and Industry Personnel's. The FDP received good response with 38 number of participants registered for this programme from different Colleges. Owing to the COVID19 situation the entire FDP was managed and hosted on online platform via video conferencing.

FDP THEME AND OUTLINE

Around the world Digital transformation has reformed the 'traditional' industries to smart industries by exponentially growing technologies. In essence, Industry 4.0 concerns the transformation of IT industry 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. **Cloud computing** is one of the key enabler of modern Industry 4.0 automation solutions. So, **Cloud computing is considered as the third Revolution of the IT industry.**

This FDP was aimed to offer learners an introduction to technological advances in Cloud Computing, its applications in the business world. Learners gained 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 understood the opportunities, challenges brought about by advanced Cloud Computing .

OUTLINE:

- ✓ **Advanced Cloud Computing:** A critical enabler boosting the IT Industrial Revolution.
- ✓ **Docker:** A valuable cloud technology that enables developers to package applications into containers.
- ✓ **Kubernetes:** A valuable cloud technology for container orchestration system for automating software deployment, scaling, and management.

Planning:

Planning for the Faculty Development Programme began at the start of January 2022. FDP title was confirmed after brainstorming over multiple topics and with due permission of HOD and Principal madam. Meticulous planning was done to design Brochure along with registration form which were circulated over social media and messaging platforms. Invitations were sent out to different Industry personnel's using personal to join as resource person for the FDP WhatsApp groups were created to communicate with the registered participants. Online Feedback was collected to validate the learning from the two days FDP. Attendance was analyzed from the online platform and a list was prepared of eligible candidates and certificates were distributed to them via Email. Course materials and recordings of the sessions were shared with participants for their future reference.

Event Timeline:

Day 1 (29th January 2022):

The FDP started with a welcome speech by Prof. Supriya Kamoji, she welcomed the participants for the online programme and introduced them to Fr. CRCE. She went on to introduce the session1 speaker for the FDP, **Mr. Thompson Naidu,** Senior Software developer @Quantiphi. Mr. Thompson Naidu later addressed the audience on Introduction to containers, Difference between VM and containers, Docker containers, Docker terminology (docker container, image, .dockerFile) and 5. Hands on (Introduction to docker cli, Docker architecture, Docker command, Some experiment)and Hosting an application inside docker container

Our next speaker for the day, **Dr. Bhushan Jadhav,** Assistant Professor, Artificial Intelligence & Data, shared his knowledge by hands on Implementation of Containerization using Docker.

Mr. Pranay Lobo,Software Engineer (R&D) @Protegrity introduced the audiences to the concept of advanced cloud computing and Kubernetes. How these cutting-edge technologies are being used in IT industries to gain better technological and business advantages to deliver reliable services to the customers.

Session2 was continued by Dr. Bhushan Jadhav on Implement container orchestration using Kubernetes and hands experiments on Kubernetes.

Valedictory:

Program was concluded by Prof. Kranti Wagle with a vote of thanks to Rev. Fr. Valerian Dsouza, Director for his constant motivation, Principal Madam, Dr. Mrs. Srija Unnikrishnan and HOD of Computer Department, Dr.B. S. Daga and HOD of AI&DS Department Dr. Jagruti Save for their best wishes and continuous support.

Feedback

Feedback was collected from the participants after the program concluded using Google form. The response received was amazing. Participants average rating for the FDP was 4.5 out of 5. Most of them praised the structure and contents of the programme and the way things were coordinated and communicated. Many of them gave their positive comments on the knowledge of the speakers. Also suggested to conduct five days programme on the same topic to get detailed insight.

Event Coordinators:

Prof. Kranti Wagle (AI & Dept.)
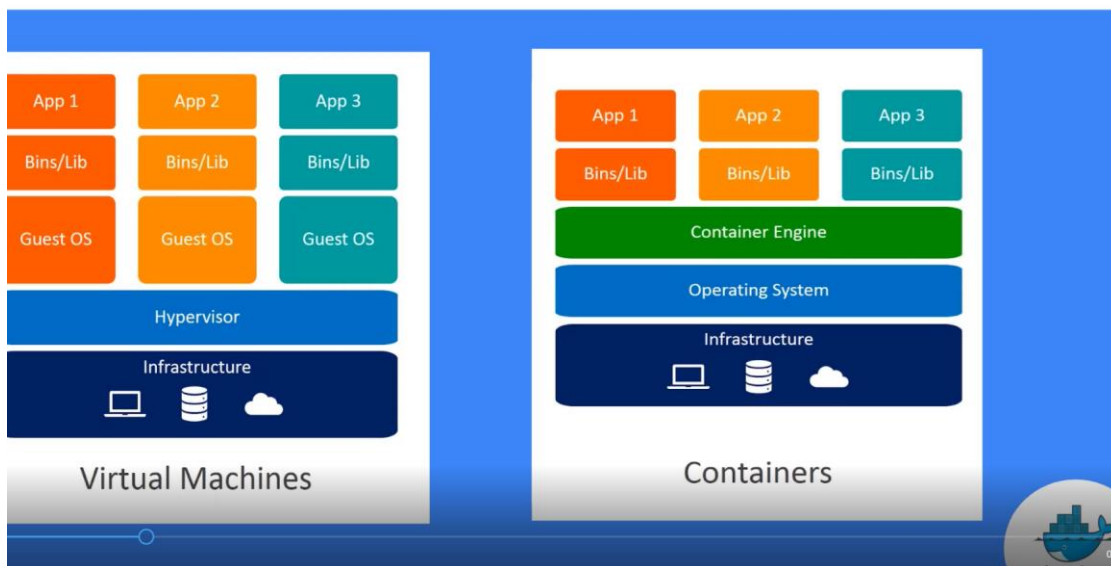Prof. Supriya Kamoji (Assistant Prof, Computer Engg Dept).
Prof.Unik Lokhande (AI & DS Dept).

Image Gallery

Prof. Supriya Kamoji giving inaugural speech and Welcoming participants for the programme.

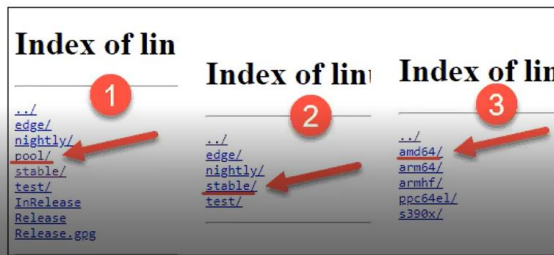Mr. Thompson Naidu, Senior Software Develop @ Quantiphi , session on Introduction to Docker
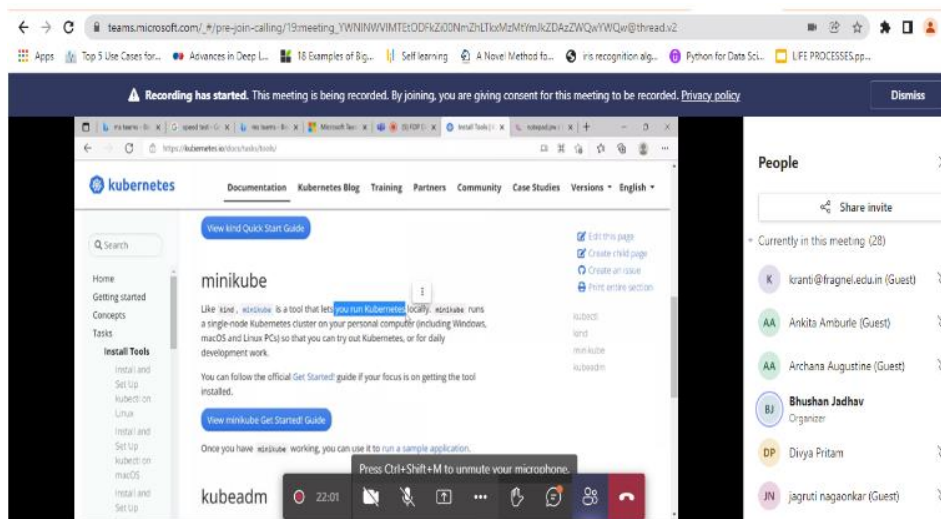
Dr. Bhushan Jadhav, Assistant Professor, Thadomal Shahani College of Engineering, Mumbai Hands Session on Docker

Dr. Bhushan Jadhav, Assistant Professor, Thadomal Shahani College of Engineering, Mumbai Hands Session on Docker

Mr. Pranay Lobo, Software Engineer, @ Protegrity, Mumbai , Session on Kubernetes

Dr. Bhushan Jadhav, Assistant Professor, Thadomal Shahani College of Engineering, Mumbai Hands Session on Kubernetes

Prof. Kranti Wagle giving vote of thanks in the Validictory Session

Invited Speakers:

Dr. Bhushan Jadhav, Assistant Professor, Artificial Intelligence & Data

Mr. Thompson Naidu, Senior Software developer @Quantiphi.

Mr. Pranay Lobo, Software Engineer (R&D) @Protegrity