



**6.3.3 Professional Development  
/Administrative Training Programs  
organized by the institution**



*Agnel Charities'*

**Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai.**

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**Academic Year  
2018-19**





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Computer Engineering**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### **ACADEMIC YEAR 2018 - 2019**

#### **List of Events**

<b>Sr. No.</b>	<b>Name of FDP/STTP</b>	<b>Date</b>	<b>Coordinator/Convener</b>
1.	One-week STTP on "IoT with Data Science"	24 <sup>th</sup> -28 <sup>th</sup> June, 2019	Mrs.Shagufta.R Mrs.Dakshayani.R
2.	One day FDP on "Lateral Thinking"	22 <sup>nd</sup> January,2019	Mr. Mrityunjay Ojha
3.	One day FDP on "Research & Innovation"	16 <sup>th</sup> October,2019	Mrs.Smita Dange
4.	Orientation "Program for Web Design Lab(CSL504)" TE(Computer Engineering)	14 <sup>th</sup> July,2018	Mrs.Smita Dange

  
Staff Coordinator

  
HOD

ISTE approved  
STTP on "IOT with Data Science"  
**REGISTRATION FORM**

Name: \_\_\_\_\_  
Designation: \_\_\_\_\_  
Institute: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_

Tel. No. \_\_\_\_\_  
Email: \_\_\_\_\_  
Qualification: \_\_\_\_\_  
ISTE Membership No.: \_\_\_\_\_  
DD No: \_\_\_\_\_ Date: \_\_\_\_\_  
Accommodation Required: YES/NO

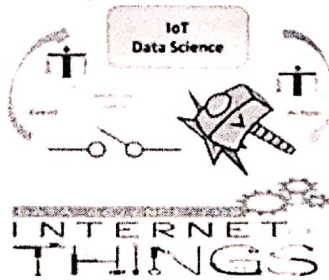
I agree to abide by rules and regulations  
governing the above STTP

Date: \_\_\_\_\_ Signature of Applicant

**Recommendation of Employer:**

The applicant will be permitted to participate  
in the above program, if selected

Date: \_\_\_\_\_ Signature  
Name and Designation of Sponsoring authority  
with Seal



**PATRONS**

- Rev.Fr.Saturnino Almeda,  
Managing Director,ATEC,Vashi
- Rev.Fr.L.Dias,  
Procurator,ATEC,Vashi
- Fr.Peter Fernandes  
Assistant Managing Director,ATEC,Vashi.

**ADVISORY COMMITTEE**

- Dr.S.M.Khot  
Principal,Fr.C.R.I.T,Vashi

**CONVENER**

- Dr.Lata Ragha , Professor & Head,  
Department of Computer Engineering  
E-mail:lata.ragha@fcrit.ac.in

**COURSE CO-ORDINATOR**

- Mrs.Shaguffa.R  
Mob: 9004282010  
E-mail:- shaguffa.r@fcrit.ac.in
- Mrs.Dakshayani.R  
Mob: 9967013192  
E-mail:-dakshayani@fcrit.ac.in

**AICTE-ISTE Approved  
Short Term Training Programme**

ISTE Proceedings STTP-SF MAH-023 2019-20

On

**"IOT with Data Science"**  
24<sup>th</sup> to 28<sup>th</sup> June, 2019



Organized by

Department of Computer Engineering  
Fr.C.Rodrigues Institute of Technology,Vashi

Sector-9A,Vashi

Nav Mumbai -400703

Phone:022 27771000,Extn 406

Fax :022 27660619



www.fcrit.ac.in

*Gdabale*

Staff Coordinator

*Shah*  
HOD

<p><b>PROFILE OF THE INSTITUTE</b></p> <p>Fr. C. Rodrigues Institute of Technology was established in 1994 in the heart of Navi Mumbai, Vashi, as a part of Agnel Technical Education Complex. The aim of the Institute is to provide quality technical education in addition to inculcating moral values to its students. Apart from academic excellence, the campus is also reputed for its extensive facilities that have led to it being awarded an "A" grade by the Directorate of Technical Education, Maharashtra, right from its inception. The institute is affiliated to the University of Mumbai and all the five UG engineering programmes (i.e. Computer, Mechanical, Electronics &amp; Telecommunication, and Electrical). The institute also offers PG and PhD Courses in Mechanical Engineering (M.C Design) Electrical Engineering (Power Electronics and Drives) Electronics &amp; Telecommunication. The institute is an approved Research Centre for Mechanical Engineering, Electronics &amp; Telecommunication and Electrical Engineering. Similarly, three programs of the institute have recently been reaccredited for three years by National Board of Accreditation vide F.No.28-41-2010-NBA DATED 18-12-2018.</p> <p>The institute is also recognized by the AICTE and dedicated to fulfilling the following missions.</p> <ol style="list-style-type: none"> <li>1. To provide industry-oriented quality education</li> <li>2. To provide holistic environment for overall personal development</li> <li>3. To foster relationship with other institute of repute, alumni and industry</li> </ol> <p><b>ABOUT THE DEPARTMENT</b></p> <p>The department offers UG computer engineering programme. The department has well-qualified faculty and well equipped laboratories and other infrastructure. The department conducts seminars, Project competitions and short term courses regularly for benefit of students, academicians and industry personnel</p>	<p><b>DEPARTMENT VISION</b></p> <p>To contribute significantly towards industry and research oriented technical education leading to self-sustainable professionals and responsible citizens.</p> <p><b>DEPARTMENT MISSION</b></p> <ul style="list-style-type: none"> <li>• To provide quality and application-oriented education to meet the industry requirements</li> <li>• To prepare technically competent, ethically and socially committed professionals with good leadership qualities</li> <li>• To facilitate an opportunity to interact with prominent institutes, alumni and industries to understand the emerging trends in computer technology.</li> </ul> <p><b>FEATURES OF THE TRAINING PROGRAM</b></p> <p>The program is based on a perspective of both IOT and Data Science. We will provide lots of hands on practice through innovative and challenging lab exercises, followed by small quizzes to test understanding</p> <p><b>TOPICS INCLUDE:</b></p> <ul style="list-style-type: none"> <li>• IoT and its applications</li> <li>• Introduction embedded system, Arduino, Micro-Python</li> <li>• Introduction to Raspberry PI, FCO</li> <li>• IOT protocol for communication</li> <li>• Application of Machine learning on IOT data</li> <li>• Python, Numpy in Python, Pandas tutorials</li> <li>• Linear Regression in Python using Numpy, Pandas, sklearn</li> <li>• Logistic, Multivariate Linear Regression</li> <li>• Neural Networks, Back Propagation, Stochastic Gradient Descent, Activation Function</li> <li>• Artificial Neural Network</li> <li>• Convolutional Neural Network</li> </ul>	<p><b>RESOURCE PERSONS</b></p> <p>Eminent Speakers from Industries and Institutes will conduct the sessions. Listed below are the names of few</p> <p><b>SESSION SPEAKERS</b></p> <ul style="list-style-type: none"> <li>• Mr.Venkat Sharma,L&amp;T</li> <li>• Mr.Aditya Paranjape,Kirloskar Engine</li> <li>• Dr.Irfan Siddavatam,KJSCE</li> <li>• Ms.Ashwini Dalvi,KJSCE</li> <li>• Mr.Zubair Gazzali,Xoriant</li> <li>• Ms.Maitreyi,Xoriant</li> <li>• Mr.Rhythm Jolly,Aditya Birla</li> </ul> <p>*** Also we will be taking candidates for an industrial visit</p> <p><b>GUIDELINES</b></p> <ul style="list-style-type: none"> <li>• The Registration Fees for the program is -Rs.3000/- (for Non-ISTE Member) -Rs.2500/- (for ISTE Member)</li> <li>• -30 Seats have been allotted for this Training Program and will be filled on First Come basis.</li> <li>• The Registration fee includes training program kit, certificate, refreshment and Lunch.</li> <li>• The fee can be paid either through cash or Demand Draft in favor of "Fr.C.R.I.T" payable at Navi Mumbai.</li> <li>• Last date to receive application :-20<sup>th</sup> June,2019</li> </ul> <p><b>ACCOMMODATION</b></p> <p>Participants who desire accommodation in the campus are requested to indicate in the registration form. Accommodation will be provided at nominal rates for limited number of participants</p>
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Staff Coordinator

*Nate*  
HOD



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## Department of Computer Engineering

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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### Brief Activity/Event Report

- 1) Name of the Activity/Event One-week STTP on "IoT with Data Science"  
(24<sup>th</sup> -28<sup>th</sup> June, 2019)
- 2) Activity/Event Venue & Date Open Source Tech. Lab-AX-508, 24<sup>th</sup> -27<sup>th</sup> June, 2019  
Tata Institute of Fundamental Research, 28<sup>th</sup> June, 2019
- 3) Nature of Participants Faculty from various Engineering colleges.
- 4) Number of Participants 17
- 5) Staff Coordinator Mrs. Shagufta R and Mrs. Dakahayani. R
- 6) Brief Summary of the Activity/Event (in maximum 500 words):

**a. Objective:** Provide hands on experience on Internet of things with Data science

**b. Technical Description:**

One-week STTP on "IoT with Data Science" is based on a perspective of both IoT and Data Science. The STTP provided lots of hands-on practice through innovative and challenging lab experiments on Raspberry PI, FCO, IoT protocols for communication, application of Machine learning on IoT data, also demonstrated usage of anaconda navigator for python, Numpy, pandas, Linear regression and Sklearn and brief fundamentals of Neural networks.

**c. Outcome**

Participants were able to

- i. Understand the basics of IoT and Data Science
- ii. Developed skills on Effective data visualization and data analysis
- iii. Knowledge on IoT and its application and usage of various tools to work on cloud data.

Staff Coordinator

*G. Palke*

HOD

*Nata*





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### List of Participants

Fr.C.Rodrigues Institute of Technology,Vashi Computer Engineering Department STTP on "IoT with Data Science" from June 24,2019 to June 28,2019 LIST OF PARTICIPANTS			
Sr. No.	Name	Designation	ISTE Membership No.
1	DAKSHAYANI	Assistant professor	LM114986
2	SUREKHA RAVINDRA JANRAO	Assistant Professor	No
3	SANDEEP KAMBLE	Assistant Professor	LM124311
4	PRITA PATIL	Assistant Professor	No
5	SUSHILA UMESH RATRE	Assistance Professor	LM 121000
6	SMITA HANDE	Assistant Professor	LM121765
7	AMRUTA P	Assistant Professor	LM96838
8	SMITA VINIT BHOIR	Assistant professor	LM96862
9	SMITA DINESH BHARNE	Assistant Professor	LM96864
10	SHEETAL AKHILESH AHIR	Assistant Professor	LM96846
11	M. KIRUTHIKA	Associate Professor	LM28931
12	RAKHI KALANTRI	Assistant professor	LM110142
13	SANDHYA PATI	Assistant Professor	LM49205
14	KAVITA SHELKE	Assistant Professor	LM 94023
15	MUKTA N	Assistant Professor	LM62642
16	SHWETA TRIPATI	Assistant Professor	LM94020
17	SHAGUFTA R	Assistant Professor	LM96157

Staff Coordinator

HOD



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Department of Computer Engineering  
AICTE-ISTE Approved Short Term Training Program  
E-6

**"IoT with Data Science"**

June 24 - 28, 2019

Daily Attendance

Sl. No.	Name of the participant	24/06/2019		25/06/2019		26/06/2019		27/06/2019		28/06/2019	
		Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening
1	ANUSHA VANDER	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
2	RISHIKA RAVINDRA JANKAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
3	KANISHK KAMBLE	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
4	PRITA PATIL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
5	SUSHILA UMESH KATER	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
6	SAMITA HANDE	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
7	AMRUTA PARABHAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
8	AMITA VINOD BHOIR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
9	SAMITA DINDHI NIKHIL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
10	SHEETAL ANJUNESH ANUR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
11	M. KIRITILGA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
12	RAHUL KALANTRE	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present

Department of Computer Engineering  
AICTE-ISTE Approved Short Term Training Program  
E-6

**"IoT with Data Science"**

June 24 - 28, 2019

Daily Attendance

Sl. No.	Name of the participant	24/06/2019		25/06/2019		26/06/2019		27/06/2019		28/06/2019	
		Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening
13	KANISHK KAMBLE	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
14	KANISHK KAMBLE	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
15	MURTAZ	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
16	NEELGUTHIAK	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
17	SHWETA TRIPATHI	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present

Staff Coordinator

Nat  
HOD



## Activity / Event Photographs



*Inauguration function  
(Date: 24/06/2019)*



*Instructor demonstrating  
(Date: 25/06/2019)*



*Lab at TIFR, Industrial Visit  
(Date: 28/06/2019)*



*Group photo of participants,  
TIFR Instructors  
(Date: 28/06/2019)*

*Gdake*

Staff Coordinator

*Kate*  
HOD





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### Event-2

#### One day Faculty Development Program (FDP) on "Lateral Thinking"

(22<sup>nd</sup> January, 2019)

#### Brief Activity/Event Report

- 1) Name of the Activity/Event One day Faculty Development Program (FDP) on "Lateral Thinking"
- 2) Activity/Event Venue & Date AX-411-Class Room, 22<sup>nd</sup> January, 2019
- 3) Nature of Participants Faculty from computer department of the Institute
- 4) Number of Participants 13
- 5) Staff Coordinator Mr. Mrintunjay. Ojha
- 6) Brief Summary of the Activity/Event (in maximum 500 words):

##### a) Objective:

Tata Consultancy Services Limited is an Indian multinational information technology service and consulting company headquartered in Mumbai, Maharashtra, India. TCS is conducting Faculty development Program referring to a range of activities that are perceived to help academicians in improving their professional skills that are vital for carrying out their teaching, research or administrative activities. Faculty Development Programs are conducted as per the recommendations of Industrial Experts to share the knowledge pertaining to the present industrial activities.

##### b) Technical Description:

"Lateral Thinking" is a deliberate, systematic creative-thinking process that deliberately looks at challenges from completely different angles. By introducing specific, unconventional thinking techniques, lateral thinking enables thinkers to find novel solutions that would otherwise remain uncovered. Seven techniques or mental tools help carry out these directives with the goal of eliciting unpredictable ideas, which may turn out to be novel and useful solutions to the problem being addressed.

Alternatives: Use concepts to breed new ideas.

Focus: Sharpen or change your focus to improve your creative efforts.


Challenge: Break free from the limits of accepted ways of operating.

Random Entry: Use unconnected input to open new lines of thinking.

Provocation: Move from a provocative statement to useful ideas.

Harvesting: Select the best of early ideas and shape them into useable approaches.

Treatment of Ideas: Develop ideas and shape them to fit an organization or situation.

  
Staff Coordinator

  
HOD





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### List of Participants

*By Mr. C. Rodrigues*

Institute of Technology, Vashi, Navi-Mumbai

Department of Computer Engineering



Attendance of FDP on "Lateral Thinking"

Resource Person-Mr. Gaurav G

Date-22/01/2019

Sl. No.	Teaching Staff Name	Signature
1	Dr. Lata Raghua	Nkt
2	Mr. Krunal D.	HR
3	Mr. Anmol	
4	Mrs. Smita D	Smita D
5	Mrs. Shweta I	Shweta I
6	Mrs. Rakhi K	Rakhi K
7	Mrs. Sandhya P	P Sandhya
8	Mrs. Shagun R	Shagun R
9	Mrs. Kavita S	Kavita S
10	Mrs. Dakshayini G	Dakshayini G
11	Mr. Mrityunjay O	Mrityunjay O
12	Mr. Rahul J	Rahul J
13	Ms. Aparna S	Aparna S

Nkt  
Dr. Lata Raghua

(HOD- Computer Dept)

Staff Coordinator

Nkt  
HOD





*Fr. C. Rodrigues Institute of Technology, Vashi*

**Department of Computer Engineering**

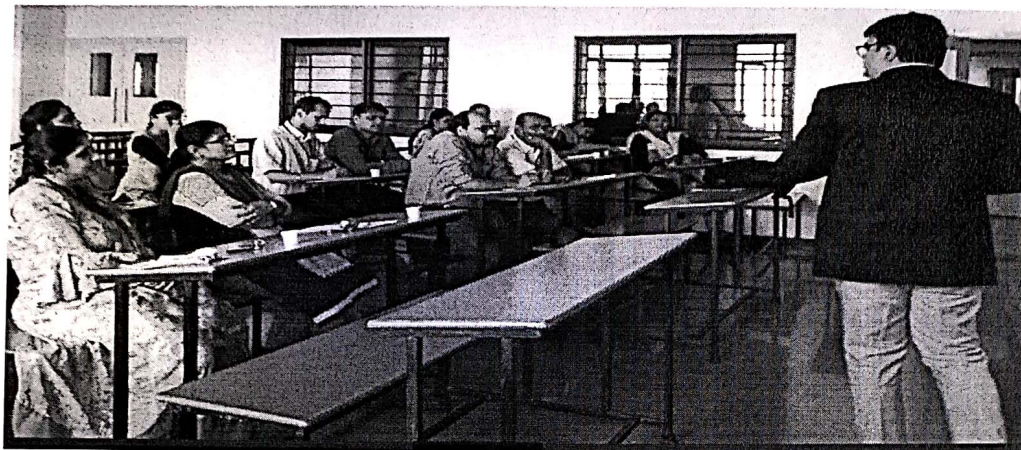
Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

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**Activity / Event Photographs**



*Faculty members attending FDP on "Lateral Thinking "*  
(Date: 22/01/2019)



*Mr.Gaurav.G from TCS addressing Faculty Members*  
(Date: 22/01/2019)

  
Staff Coordinator

  
HOD





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Computer Engineering**

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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

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### **Event-3**

#### **One day Faculty Development Program (FDP) on "Research & Innovation"**

**(16<sup>th</sup> October, 2018)**

#### **Brief Activity/Event Report**

- 1) Name of the Activity/Event      One day Faculty Development Program (FDP) on "Research & Innovation"
- 2) Activity/Event Venue & Date      Class Room-310, 16<sup>th</sup> October, 2018
- 3) Nature of Participants              Faculty from computer department of the Institute
- 4) Number of Participants              10
- 5) Staff Coordinator                      Mrs. Smita Dange
- 6) Brief Summary of the Activity/Event (in maximum 500 words):

##### **a) Objective:**

Tata Consultancy Services Limited is an Indian multinational information technology service and consulting company headquartered in Mumbai, Maharashtra, India. TCS is conducting Faculty development Program referring to a range of activities that are perceived to help academicians in improving their professional skills that are vital for carrying out their teaching, research or administrative activities. Faculty Development Programs are conducted as per the recommendations of Industrial Experts to share the knowledge pertaining to the present industrial activities.

##### **b) Technical Description:**

The FDP programme on "Research & Innovation" was a practical and interactive programme aimed to develop an understanding in designing and carrying out research and guide teachers for research papers and dissertation. This FDP had skill building exercises to demonstrate systematic research. It provided a comprehensive understanding of research methodology that can better equip faculty to effectively guide their own research and students' research work.

  
Staff Coordinator

  
HOD



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### List of Participants



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Fr. C. Rodrigues Institute of Technology, Vashi, Navi-Mumbai  
Department of Computer Engineering

### Attendance of FDP on "Research & Innovation"

Resource Person-Mr. Dinesh Kumar Singh

Date-16/10/2018

Sr. No.	Teaching Staff Name	Signature
1.	Mr. Amroz	
2.	Mrs. Smrita D	
3.	Mrs. Shweta I	
4.	Mrs. Rakhi K	
5.	Mrs. Sandhya P	
6.	Mrs. Shagufta R	
7.	Mrs. Kavita S	
8.	Mrs. Dakshayini G	
9.	Mr. Rahul J	
10.	Ms. Aparana N	

Dr. Lata Ragha

(HOD- Computer Dept)

Staff Coordinator

HOD



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**Activity / Event Photograph**



*Group photo of participants,*

*TCS Instructors*

*(Date: 16/10/2018)*

*Smitha*  
Staff Coordinator

*Nete*  
HOD





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### Event-4

#### One-day Orientation program on "Web Design Lab: CSL504"

(14<sup>th</sup> July, 2018)

17/07/2018 IMG-20180628-WA0001.jpg

University of Mumbai

Board of Studies in Computer Engineering

Orientation Program Schedule of TE (Sem.-V) - w.e.f. 2018-19

Sr. No	Subject & Lab Name with code	Date & Time of orientation Program	Name of Institute organizing Orientation program	Coordinator / Contact person
1	CSC501: Microprocessor & CSL501: Microprocessor Lab	10 <sup>th</sup> July 2018 10:00 am onwards	Thakral Shiksha Engineering College, Bandra(W) Mumbai	Dr. Tanuja Sarode (98201 22805)
2	CSC502: Database Management System & CSL503: Database & Info. System Lab	9 <sup>th</sup> July 2018 2:00 pm onwards	K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai	Dr. Surita Patil (77188 29820)
3	CSC503: Computer Network & CSL501: Computer Network Lab	12 <sup>th</sup> July 2018 11:00 am onwards	V.J.S. Institute of Technology, Chembur (E), Mumbai.	Dr. Nupur Giri (9820793793)
4	CSC504: Theory of Computer Science	13 <sup>th</sup> July 2018 2:00 pm onwards	Shah & Anchor Kutchhi Engineering College Chembur, Mumbai	Prof. Uday Bhawe (93238 39556)
5	CSL 504 : Web Design Lab	14 <sup>th</sup> July 2018 10:00 am onwards	Fr. C. Rodrigues Institute of Technology, Vashi Navi Mumbai	Prof. Smriti Dange (9967367372)
6	CSDLO 501X: Dept. Level Optional Course (DL.OC)	CSDLO5011: Multimedia System 13 <sup>th</sup> July 2018 2:00 pm onwards	Ramrao Arik Institute of Technology, Neral, Navi Mumbai	Dr. Leena Rajha (99872 97843)
		CSDLO5012: Advance Operating System 11 <sup>th</sup> July 2018 2:00 pm onwards	Pillai College of Engineering, Panvel	Dr. Mallanatta C. (9820624192)
		CSDLO5013: Advance Algorithm 13 <sup>th</sup> July 2018 2:00 pm onwards	Lokmanya Tilak College of Engineering, Navi Mumbai	Dr. P. J. Nikumbh (9892425231)

*Smriti D*  
Staff Coordinator

*Net*  
HOD



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### **Brief Activity/Event Report**

- 1) Name of the Activity/Event      One day orientation program on "CSL504:Web Design Lab"
- 2) Activity/Event Venue & Date    Class Room-411, 14<sup>th</sup> July, 2018
- 3) Nature of Participants            Faculty from various engineering colleges under Mumbai University
- 4) Number of Participants           38
- 5) Staff Coordinator                 Mrs.Smita Dange
- 6) Brief Summary of the Activity/Event (in maximum 500 words):

#### **a) Objective:**

"CSL504 web Design Lab" was a course offered to TE (computer Engineering) students as part of revised syllabus. Objective of orientation program is to discuss content of the syllabus what is expected to teach to students, weightage of the topics, experiment list, Mini project.

#### **b) Technical Description:**

Orientation program on Web design Lab provided idea on marking and grading schema of the subject followed with module wise contents and their practical exercises, HTML, SQL, NO-SQL, XML, DTD, XCL, xquery, CSS, JavaScript, PHP significance and their usage in designing a Mini project was stressed upon. Hosting of web and free hosting websites freenom, 000webhost.com were suggested.

#### **c) Outcome**

- i) Common and uniform assignment structure to be established.
- ii) Clear idea of what is expected to teach to students was provided.
- iii) purpose of the course was properly demonstrated

*Smita D*

Staff Coordinator

*Net*

HOD





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### List of Participants

Agnet C Rodrigues

Fr. C. Rodrigues Institute of Technology, Vashi

Department of Computer Engineering

Orientation Program on the subject "Web Design Lab"

July 13, 2018

Attendance Sheet

No	Name	Institution	Sign
1	Mr. Anand Khandekar	Sanjay D. Khandekar Institute of Technology, Mumbai	[Signature]
2	Mr. Nitesh Dange	Fr. C. Rodrigues Institute of Technology, Vashi	[Signature]
3	Mr. Anand Khandekar	Fr. C. Rodrigues Institute of Technology, Vashi	[Signature]
4	Mr. Shubham Lohar	Fr. C. Rodrigues Institute of Technology, Vashi	[Signature]
5	Mr. Anand Khandekar	Fr. C. Rodrigues Institute of Technology, Vashi	[Signature]
6	Mr. Anand Khandekar	Fr. C. Rodrigues Institute of Technology, Vashi	[Signature]
7	Mr. Anand Khandekar	Fr. C. Rodrigues Institute of Technology, Vashi	[Signature]
8	Mr. Anand Khandekar	Fr. C. Rodrigues Institute of Technology, Vashi	[Signature]
9	Mr. Anand Khandekar	Fr. C. Rodrigues Institute of Technology, Vashi	[Signature]
10	Mr. Anand Khandekar	Fr. C. Rodrigues Institute of Technology, Vashi	[Signature]
11	Mr. Anand Khandekar	Fr. C. Rodrigues Institute of Technology, Vashi	[Signature]
12	Mr. Anand Khandekar	Fr. C. Rodrigues Institute of Technology, Vashi	[Signature]
13	Mr. Anand Khandekar	Fr. C. Rodrigues Institute of Technology, Vashi	[Signature]
14	Mr. Anand Khandekar	Fr. C. Rodrigues Institute of Technology, Vashi	[Signature]
15	Mr. Anand Khandekar	Fr. C. Rodrigues Institute of Technology, Vashi	[Signature]
16	Mr. Anand Khandekar	Fr. C. Rodrigues Institute of Technology, Vashi	[Signature]
17	Mr. Anand Khandekar	Fr. C. Rodrigues Institute of Technology, Vashi	[Signature]

[Signature]

[Signature]  
Staff Coordinator

[Signature]  
HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Computer Engineering

Sector - 9A, Vashi, Navi Mumbai - 400 703, INDIA.

Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

Technology Name		
18	Mr. Nitin Rajendra Patil	FCRIT
19	Mrs. Varsha S. Sonawane	FCRIT
20	Mr. Pratik Nigam	Sanjay Vasankar Institute of Technology, Mumbai
21	Mr. Dhruv Patel	Pala College of Engineering & Technology, Mumbai
22	Mrs. Abhishek	Sanjay Vasankar Institute of Technology, Mumbai
23	Mr. Rishi Raj	FCRIT, Mumbai
24	Pratik Shrivastava	Chandrasekhar Institute of Engineering & Technology, Mumbai
25	Mr. Y. D.	Vasanti Institute
26	Yashraj Shrivastava	Sanjay Vasankar Institute of Technology, Mumbai
27	Karim Chaudhary	S. J. Somaiya Institute of Engineering & Technology, Mumbai
28	Mehul K. Khosla	Shri. Bal. Jadhav & Sons Engineering College, Mumbai
29	Pratik Mankar	Ramrao Adik Institute of Technology
30	Vijay Chitambar	Chitambar Research Institute of Engineering and Management Studies, Mumbai
31	Karim Shah	FCRIT, Mumbai
32	Pratik Patil	Sanjay Vasankar Institute of Technology, Mumbai
33	Rakhi Kalantri	Fr. C. Rodrigues Institute of Technology, Vashi
34	Anjali Yade	VESIT, Chembur
35	Pratik R. L.	VESIT, Chembur
36	Pratik R. L.	VESIT, Chembur
37	Pratik R. L.	VESIT, Chembur
38	Pratik R. L.	VESIT, Chembur
39	Pratik R. L.	VESIT, Chembur
40	Pratik R. L.	VESIT, Chembur
41	Pratik R. L.	VESIT, Chembur
42	Pratik R. L.	VESIT, Chembur
43	Pratik R. L.	VESIT, Chembur
44	Pratik R. L.	VESIT, Chembur
45	Pratik R. L.	VESIT, Chembur
46	Pratik R. L.	VESIT, Chembur
47	Pratik R. L.	VESIT, Chembur
48	Pratik R. L.	VESIT, Chembur
49	Pratik R. L.	VESIT, Chembur
50	Pratik R. L.	VESIT, Chembur

*Smile*  
Staff Coordinator

*Nate*  
HOD





*Fr. C. Rodrigues Institute of Technology, Vashi*

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---

**Activity / Event Photograph**



*Course coordinator addressing participants  
(Date: 14/07/2018)*



*Participants attending orientation program  
(Date: 14/07/2018)*

*Smiled*

Staff Coordinator

*Nt*  
HOD





*Fr. C. Rodrigues Institute of Technology, Vashi*

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**ACADEMIC YEAR 2018 - 2019**

**List of Events**

Sr. No.	Name of FDP/STTP	Date	Coordinator/Convener
1.	Teachers' Orientation Program on Dynamics of Machinery	10 <sup>th</sup> July, 2018	Dr. Nitesh Yelve Prasad Bari
2.	International Symposium on Industrial Application of Refractory: Problems and Solution	10 <sup>th</sup> August, 2018	N.Kshirsagar Shradha Patil
3.	Hands on Training Program on ANSYS Mechanical & CFD	25 <sup>th</sup> -29 <sup>th</sup> June, 2019	Aqleem Siddiqui, Girish Dalvi, Afzal Ansari

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**Event- 1**

**Teachers' Orientation Program on Dynamics of Machinery**

**10<sup>th</sup> July 2018**

**Invitation**



*Fr. C. Rodrigues Institute of Technology*

Sector - 9A, Vashi, Navi Mumbai - 400 703, INDIA  
Telephone : 27771000 , 2766 1924, 2766 0618. Fax : 2766 0619  
Email : [principalfcrit@gmail.com](mailto:principalfcrit@gmail.com) Website : [www.fcrit.ac.in](http://www.fcrit.ac.in)

Date:

**Invitation**

The Department of Mechanical Engineering of Fr. C. Rodrigues Institute of Technology, Vashi is organizing an Orientation Program on the subject 'Dynamics of Machinery' being taught to 'Third Year Mechanical Engineering Sem. V'. All the Faculty Members teaching this course in the Engineering Colleges affiliated to the University of Mumbai are invited to attend the same. The details of the Program are as follows.

Venue : Class Room No.110 (Annex Building)

Date : July 10, 2018

Time : 02.00 pm

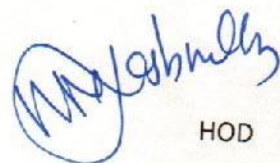
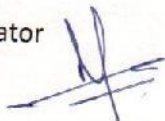
  
Dr. S.M. Khot

Principal

Date: July 03, 2018



Staff Coordinator

  
HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

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### Brief activity/ Event Report

#### Minutes of the Orientation Program

on the subject

'Dynamics of Machinery'

The resource Faculty Members for the Orientation Program were Dr. S.M. Khot, Dr. Nitesh P. Yelve, and Prof. Prasad bari.

Following Faculty Members from different Institutes of Mumbai University were present during the Orientation Program: Prof. Shamim Pathan, Prof. Mandar Kothavade, Prof. Pravin Alone, Dr. S.N. Teli, Prof. S.D. Gaikwad, Prof. Tushar Kavathkar, Prof. Saumy Agarwal, Prof. Mukesh Kumar, Prof. A.S. Raut, Prof. Omkar Joshi, Prof. Dr. Pradip Patil, Prof. S.S. Maghrabi, Prof. R.K. Agarwal, Prof. A.J. Ghule, Prof. Sachin Oak, Prof. R.S. Jaisinghani, Prof. Arti Vishwanath, Prof. V.M. Magar, Prof. Durga Rao, Prof. Nitesh Meshram, and Prof. M.A. Salunke.

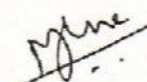
Following decisions have been taken unanimously during the Program and those shall be binding to the Faculty Members teaching the subject 'Dynamics of Machinery' in order to have uniformity across the University while teaching, setting question papers, and assessing the question papers.


1. Following marking scheme shall be considered while setting the question paper for the University Semester Examination.


Module	Marks (P-Problems; T-Theory)
1.1	10 P + 5 T
1.2	10 P + 5 T
2.1	08 P/T
2.2	07 P/T
3.1	07 T
3.2	08 P/T
4.1	07-08 P/T
4.2	07-08 P/T
5.1	10 P/T
5.2	10 P/T
5.3	10 P/T
6.1	5 T
6.2	10 P

2. In Module 1.1, no problems or theory shall be asked on the Governors other than Porter and Hartnell as mentioned in the syllabus.
3. In Module 1.2, no problems or theory shall be asked on the Gyroscopic couple and its effect on aeroplanes and only two-wheeler case shall be discussed while teaching Permissible speeds on curve paths.
4. While setting questions, Modules 3.2 and 4.2 shall be considered together.
5. Though it is not mentioned in the syllabus, Support excitation shall be taught in Module 5 as it is the base for teaching Vibration measuring instruments.

  
Dr. S. M. Khot

  
Dr. Nitesh P. Yelve

  
Prof. Prasad Bari

  
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### List of Participants

Agnel Charities'

Fr. C. Rodrigues Institute of Technology, Vashi

Department of Mechanical Engineering

Orientation Program on the subject 'Dynamics of Machinery'

July 10, 2018

### Attendance Sheet

Sr. No.	Name	Institute	Sign
1	Pravin Alone	New Horizon Institute of Technology, Thane	
2	Dr. S.N.Teli	Bharati Vidyapeeth College of Engg. Belapur	
3	S.D. Gaikwad	Rajiv Gandhi Inst. of Technology, Andheri.	
4	Tushar. Kavatkar	Finolex Academy of Management & Technology, Ratnagiri	
5	Saamy Agrawal	Lokmangya Tilak College of Engg., Koparckhane	
6	Mukesh Murare	Lokmangya Tilak College of Engg., Koparckhane	
7	Raut Achyut Sahebrao	Rajendra Mune College of Engineering, Ambur Devnagar	
8	Joshi Omkar Kanakkar	VIVA Institute of Technology, Virar (E)	
9	Dr. Prady P Patil	SIES Graduate School of Technology	
10	S.S. Magharabi	M.H. Saboo Siddick COE, Mumbai	

Staff Coordinator

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# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

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Agnel Charities'

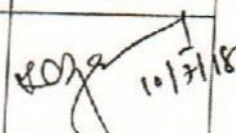

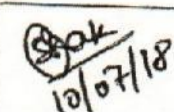
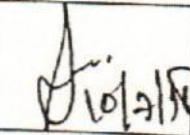
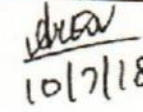
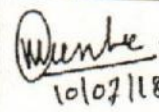
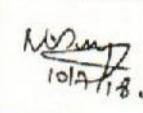
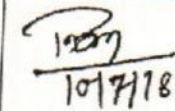
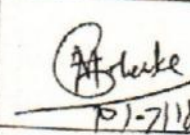
## Fr. C. Rodrigues Institute of Technology, Vashi

### Department of Mechanical Engineering

#### Orientation Program on the subject 'Dynamics of Machinery'

July 10, 2018

#### Attendance Sheet

Sr. No.	Name	Institute	Sign
11)	R. K. Sprohm	YTCEM	 10/7/18
12)	A. J. Ghude	DMCE	 10/7/18
13)	Sachin S. Oak	Thakur College of Engg. & Tech.	 10/7/18
14)	R. S. Jaisinghani	//	 10/7/18
15)	Dr. Vishwanath	A.P.S.I.T, Thane	 10/7/18
16)	Prof. V. M. Magar	S.S.J.C.O.E Dombivli	 10/7/18
17)	M. Durga Rao.	Pulavai CE, Parnel.	 10/7/18
18)	Prof. Nitesh A. Meshram	Konkan Gyanprarthi College of Engg. Karjat Raigad	 10/7/18
19)	Prof. M. A. Salunke	YOGCE, Shahapur - Thane	 10/7/18

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*Fr. C. Rodrigues Institute of Technology, Vashi*

**Department of Mechanical Engineering**

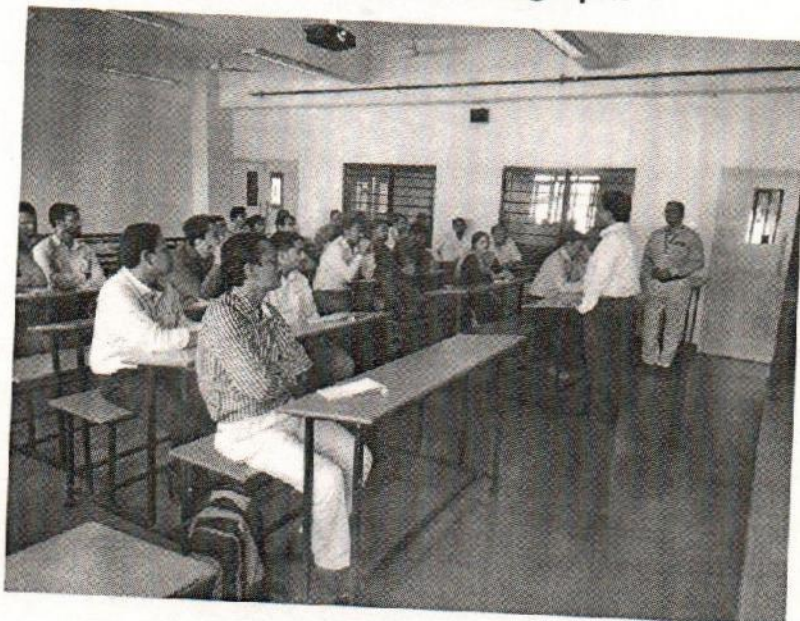
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**Event/Activity Photographs**



*Principal (Dr. S.M. Khot) addressing the  
faculty members from different colleges*

*(Date: 10<sup>th</sup> July 2018)*

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# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

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### Event-2

## International Symposium on Industrial Application of Refractory: Problems and Solution

10th August, 2018

### Brochure

International Symposium  
On  
"Industrial Application of Refractory:  
Problems and Solutions"  
(August 10, 2018)

#### Registration Form

Name: \_\_\_\_\_  
Designation: \_\_\_\_\_  
Affiliation: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone \_\_\_\_\_ Mob. \_\_\_\_\_  
Email \_\_\_\_\_  
Date and time of arrival \_\_\_\_\_  
Date and time of departure \_\_\_\_\_  
Payment details:  
Amount \_\_\_\_\_  
DD/Cheque No. \_\_\_\_\_  
Date \_\_\_\_\_  
Bank \_\_\_\_\_  
Place \_\_\_\_\_ Date \_\_\_\_\_  
Signature \_\_\_\_\_



International Symposium  
On  
"Industrial Applications of Refractories:  
Problems and Solutions"  
(August 10, 2018)

Organized  
By  
Reliance Industries Limited, India  
&  
Fr.C.Rodrigues Institute of Technology, India,

Venue: Reliance Corporate Park, Ghansoli,  
Navi Mumbai, Pin- 400701, India

Chief Patron:  
Thomas Mathew  
President-PTA and Gasification  
Reliance Industries Ltd., India

#### Patron:

- Prof. S.M Khot, Principal, FCRIT, India
- Prof. Girish Kale, School of Chemical and Process Engineering, University of Leeds, UK
- Nitin Karvekar, RIL, India
- Mr David Parkinson, Managing Director, PSR Refractory, UK
- Dr. Jafar Daji, Technical Manager, PSR Refractory, UK.
- Prof. Milind Shah, HOD, EXTC Department, FCRIT, India

#### Convener:

Dr. Satyananda Behera  
Research Scientist, Newton Bhabha Project

#### Organizing Committee members:

- Mr. Anthony Francis, RIL, India.
- Mr. Sudhakar Dawara, RIL, India
- Dr. Ravikumar Iyyamperumal, RIL, India
- Dr. Vijai.balachandran, RIL, India
- Mr. Pinaki Patra, RIL, India
- Mr. Vikash Shori, RIL, India
- Dr. Sanjukta Bhowmik, FCRIT, India
- Mr. Mritunjay Ojha, FCRIT, India
- Mr. Prashant metri, FCRIT, India.
- Mr. Nanaji Kshirsagar, FCRIT, India
- Mrs. Shraddha Patil, FCRIT, India
- Mr. Pravin Pote, FCRIT, India

Staff Coordinator

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### Reliance Industries Limited

RIL is India's largest private sector Company on key financial parameters. It is a significant global player in the integrated energy value chain, and has a growing presence in retail and digital services in India. Built on strong values, RIL is steadfastly rooted in the culture of safety, integrity and commitment. RIL is dedicated to its vision of partnering India's economic growth and social wellbeing. RIL strives to be a product and service leader across its industries, a great work-place and above all, to create value for its stakeholders and society.

### Fr. Conceicao Rodrigues Institute of Technology, India.

FCRIT is a private, un-aided, minority, non-autonomous institute affiliated to the University of Mumbai. It offers a four-year baccalaureate course culminating in the B.Tech degree conferred by the university. The institute has been graded "A" by the Directorate of Technical Education, Government of Maharashtra State. It is recognised by the AICTE and has received accreditation from the National Board of Accreditation (NBA), New Delhi.

### ABOUT THE SYMPOSIUM

One Day International Symposium on "Industrial Application of Refractory: Problems and Solutions" is an effort to enrich the knowledge of participants with newer and innovative ideas on Refractory materials development technologies and their application.

RIL India is setting up 10 Gasifiers based on E-gas technology (now CB&I), each having a capacity of gasifying 2800 TPD of Petcoke (100%) or 3000 TPD of Petcoke + Coal blend (65:35). The gasifiers would be of "Two stage-entrained flow" Refractory lined reactor. Gasifier Reactor operates at ~1450 to 1500 deg

steam generation, Hydrogen manufacturing, and Syngas to Chemical Applications. As Refractory is a critical piece of equipment for Gasifier reliability and availability, RIL along-with FCRIT had embarked upon a R&D Project titled "Formulation of Hot Face Refractory of an Entrained Flow Gasifier" with financial support from Royal Academy of Engineering (RAE, UK) wherein University of Leeds, UK, along with Parkinson Spencer Refractory (PSR), UK, are collaborators from UK.

### WHO CAN PARTICIPATE?

The Conference will provide a platform for the following personnel:

1. Industry Executives
2. Research Scholars.
3. PG Students.

### INVITED SPEAKERS

Prof. G. M. Kale - Professor, School of Chemical and Process Engineering, University of Leeds, UK.

Dr Jafar Daji, Technical Manager, PSR Refractory, Halifax, UK.

Prof Ritwik Sarkar, Ceramic Engineering Department, National Institute of Technology, Rourkela

Subir Biswas, Chief Scientist, Refractory Division, Tata Steel, Jamshedpur.

Sh. Nagaraja Reddy, Reliance Industries Ltd.

### REGISTRATION FEE

Research Scholars /PG Students/Academicians	Rs. 1000
Industry Executives	Rs. 2000

It does not include accommodation charges.

### FOR ANY QUERY PLEASE CONTACT

1. Dr. S.N Behera- +918291311244  
Email- Satyananda.1990@gmail.com

### IMPORTANT DATES

Last Date for sending abstract for article presentation	04/08/2018
Confirmation of the abstract	06/08/2018

### GUIDELINES TO PARTICIPANTS

Participants desirous of sending abstracts of their research work for poster presentation should briefly describe the following

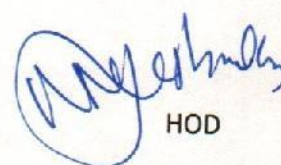
- (1) Topic of the presentation
- (2) Affiliation
- (3) Aim of the work done

The abstract of article presentation will be included in the proceedings soft copy (CD).

### CERTIFICATE

Certificates will be issued to all participants.

  
Staff Coordinator

  
HOD





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### Brief Activity/Event Report

International Symposium on "Industrial Applications of Refractories: Problems and Solutions"  
Venue: Reliance Corporate Park, Navi Mumbai, India  
(10<sup>TH</sup> AUGUST, 2018)

#### PROGRAMME SCHEDULE

Inauguration Ceremony	
Invocation Prayer and Light ing of Lamp	9.30 AM
Welcome Address by Nitin Karvekar	9.40 AM
Keynote Address by Thomas Mathew	9.40 AM to 09.50 AM
Chef Guest Address by Fr. Almeida .S	09.50 AM to 10.00 AM
Introduction Presentation by Nagaraja Reddy Title: Refractory Design & Installations Details in Gasifier	10.00 AM to 10.30 AM
Address by Guest of Honour followed by Flower Bouquet and Shawl Presents Ajit Sapre Par Singh Gerard de Nazelle Arvind Modgil Pradeep Kumar Jain Madhukar Garg Dr. S. M. Khot (Principal, Fr. C. Rodrigues Institute of Technology, Navi Mumbai)	10.30 AM to 11.00 AM
Vote of Thanks by Sudhakar Dawara	11.00 AM to 11.05 AM
Tea Break	11.05 to 11.20 AM

PLENARY TALKS (Session will Chaired by Thomas Mathew)	
Subir Biswas, Tata Steel, Jamshedpur, India Title: Evaluation Of Refractory Practice In An Entrained Flow Gasifier	11.20 AM to 12.00 PM
Girish Kale, University of Leeds, UK Title: Refractory for Gasifier	12.00 TO 12.40 PM
Lunch Break: 12.40 - 2.00 PM	
Nagaraja Reddy, Reliance Industries Limited. Title: Installation, Quality Control of Refractory in Gasifier: Problems and Solutions	2.00 PM to 2.40 PM
Ritwik Sarkar, National Institute of Technology, Rourkela, India Title: Corrosion of Refractory	2.40 PM to 3.20 PM
Tea Break: 3.20 - 3.40 PM	
Debesh Halder, RDCIS, Steel Authority of India Title: Important aspects of Refractories from user's perspective	3.40 PM to 4.10 PM
Satyananda Behera, Newton Bhabha Fellow Title: Chrome Free Refractories for Entrained Flow Gasifier	4.10 PM to 4.50 PM
Panel Discussion	04.50 PM to 5.30 PM

  
Staff Coordinator

  
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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

1. Name of the Activity/Event : International Symposium on "Industrial Applications of Refractories: Problems and solutions"
2. Activity/Event Venue & Date : Reliance COrporate Park, Ghansoli, Navi Mumbai, Pin-400701, India (10<sup>th</sup> August, 2018)
3. Nature of Participants : Faculty members and students from FCRIT
4. Number of Participants : 03 Faculty members + 74 students
5. Student Coordinator : Mr. Nanaji Kshirsagar
6. Staff Coordinator : Mr. Nanaji Kshirsagar

7. Brief Summary of the Activity/Event (in maximum 500 words):

- a) **Objectives** : Enrich the knowledge of participants with newer and innovative ideas on Refractory materials development technologies and their applications

b) **Technical Description** :

The one day symposium was focused on problems and solutions faced in the industrial applications of Refractories. Mr. Subir Biswas from Tata Steel, Jamshedpur talked on "Evaluation of Refractory Practice in an Entrained flow Gasifier". Mr. Girish Kale from university of Leeds, UK talked on "Refractory for Gasifier". Mr. Niranjan Reddy from Reliance industries Limited talked on " Installation ,Quality Control of Refractory in Gasifier". Mr. Ritwik Sarkar from NIT Rourkela, talked on corrosion of Refractory. Mr. Debesh Halder RDCIS, Steel Authority of India addressed the important aspects of refractories from user's perspective. Finally, Mr Satendra Bahera who is a Newton Bhaba Fellow enlightened the audience on the topic " Chrome Free Refractories for Entrained Flow Gasifier".

c) **Outcomes** : Participants were able to

- i. Gain knowledge regarding Evaluation of Refractory Practice In Entrained Flow Gasifier.
- ii. Gain knowledge on Installation and Quality control of Refractory in Gasifier.
- iii. Gain knowledge on Chrome Free Refractories for Entrained Flow Gasifier.

  
Staff Coordinator

  
HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

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### List of Participants

#### Students Attended

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#### Reliance Symposium 10th Aug.

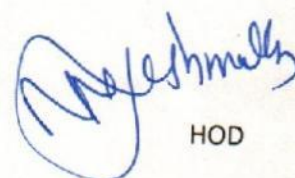
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Aadhar Card-997600898144  
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Aadhar Card : 560648768398  
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Staff Coordinator

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### Event-3

## One Week Hands on Training Program on ANSYS Mechanical and CFD (25<sup>th</sup> - 29<sup>th</sup> June, 2019)

### Brochure

#### REGISTRATION FORM

Name (in Block Letter): (Mr./Mrs./Ms./Dr.)

Designation: \_\_\_\_\_

Educational Qualification: \_\_\_\_\_

Organization: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Telephone  
Office: \_\_\_\_\_

Mobile: \_\_\_\_\_

Email: \_\_\_\_\_

DD No./ Cheque No. and date: \_\_\_\_\_

Registration fees : Rs. 2000/-

Signature of Candidate: \_\_\_\_\_

Seal and Signature of Sponsoring Authority

#### Rules and Regulations

- ♦ 25 Seats have been allotted for this Training Program and will be filled on first come basis.
- ♦ Scanned copy of the completed registration form is required to be sent in the prescribed format duly attested by the competent authority to the coordinators' email id on or before June 24, 2019.
- ♦ The fees can be paid either through Demand Draft/Cheque (in favour of "Fr. C. Rodrigues Institute of Technology" payable at Navi Mumbai) or online banking (Name of the Beneficiary: FCrit, A/C No. 059601000007942, IFS Code IOBA0000596, Indian Overseas Bank, Vashi).
- ♦ The registration fee ( Rs. 2000/- ) covers Training materials, Training participation certificate, refreshments and lunch.
- ♦ Kindly contact Program Coordinators for any further enquiries.
- ♦ Institute Address: Fr. C. Rodrigues Institute of Technology, Agnel Technical Education Complex, Sector 9A, Vashi, Navi Mumbai, Maharashtra, Pin: 400703  
Phone: +91-22-41611000,  
Fax: +91-22-41611025,  
Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

#### Coordinators' Contact Details:

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aqleems@fcrit.ac.in  
Mr. Girish Dalvi: +91-8425900497  
girish.dalvi@fcrit.ac.in  
Mr. Afzal Ansari: +91-9987617928  
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#### Agnel Charities'

Fr. C. Rodrigues Institute of  
Technology, Vashi, Navi Mumbai  
Mechanical Engineering Department  
In association with  
ARK Infosolutions Pvt. Ltd., Mumbai

One Week Hands on  
Training Program on  
ANSYS Mechanical and CFD  
(25<sup>th</sup> - 29<sup>th</sup> June, 2019)

#### Chief Patron

Dr. S. M. Khot

Principal

#### Convener

Dr. Nilaj Deshmukh

HOD & Dean (Faculty)

#### Coordinators

Mr. Aqleem Siddiqui

Assistant Professor

Mr. Girish Dalvi

Assistant Professor

Mr. Afzal Ansari

Assistant Professor

Staff Coordinator

HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

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### Training Overview

The Mechanical Engineering Department of Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai is organizing a One Week Hands on Training Program on ANSYS Mechanical and CFD from 25<sup>th</sup> - 29<sup>th</sup> June, 2019. The Training Program will comprise of lectures and hands on training by experts from ARK Infosolutions Pvt. Ltd., Mumbai. The information disseminated through this technical interaction will expose the newcomers and knowledge seekers to the advancements in latest technologies in the field of FEM and CFD. The training program will cover hands on practice on modules like Ansys Design Modeller, SCDM, Ansys Meshing, Introduction to FEM, Static Structural Analysis, Static Structural and Modal Analysis and Basic CFD. The program is open to Faculty members and students to enhance their knowledge in the field of FEM and CFD.



### Resource Person

Industry expert  
Mr. Kailas Jagtap

- ✓ Application Engineer at ARK Infosolutions Pvt. Ltd., Mumbai
- ✓ Former Research Scholar at IISc, Bangalore
- ✓ Former Application Engineer at ARK Infosolutions Pvt. Ltd., Bangalore

### Schedule for Hands on training

- [Day 1] Design Modeller
  - ✦ Basics
  - ✦ Sketching
  - ✦ Modeling
  - ✦ Geometry Cleanup Workshop
- [Day 2] SCDM
  - ✦ Sketching
  - ✦ Modeling
  - ✦ Geometry Cleanup Workshop
- [Day 3] ANSYS Meshing
  - ✦ ANSYS Meshing Basics
  - ✦ Mesh Methods
  - ✦ Using Global Mesh Controls
  - ✦ Local Mesh Controls
- [Day 4] Introduction to FEM
  - ✦ ANSYS Mechanical Overview
  - ✦ Structural Analysis of a block
  - ✦ Adding Material Properties
  - ✦ Creating new material data base
  - ✦ Named Selection
  - ✦ Bracket Analysis
  - ✦ Application of remote loads
  - ✦ Plate with hole
  - ✦ Buckling of column
- [Day 5] Basic CFD
  - ✦ Fluid Flow & Heat Transfer in Mixing Tee
  - ✦ Fluid flow around NACA0012 Airfoil
  - ✦ Turbulent Flow past Backward Step
  - ✦ Vortex Shredding

### Institute Profile

Fr. C. Rodrigues Institute of Technology was established in 1994 in the heart of Navi Mumbai, Vashi, as a part of Agnel Technical Education Complex. The main aim of the Institute is to provide quality technical education in addition to inculcating moral values in its students.

The College has been granted Religious minority status. The college prides on being one of few that has accreditation for three branches (Mechanical Engg., Electronics and Telecommunication Engg. and Electrical Engg.) vide file no. 28-41-2010-NBA dated 18/12/2018. Our Institute has been ranked between the top 150-200 engineering colleges in India, according to NIRF 2017 (National Institute Ranking Framework). This ranking has been given to only three private colleges in the Mumbai city.

**Department Vision:** To provide a vibrant academic, research and industrial environment for creating self-sustainable professionals and responsible citizens.

#### Department Mission:

- ✦ To provide state-of-the-art infrastructure and quality education.
- ✦ To generate opportunities for students to provide industrial exposure.
- ✦ To imbibe team spirit and entrepreneurial skills.

Staff Coordinator

HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

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### Brief Activity/Event Report

1. Name of the Activity/Event : One Week Hands on Training Program on ANSYS Mechanical and CFD
2. Activity/Event Venue & Date : CAD/CAM Lab (25<sup>th</sup> - 29<sup>th</sup> June, 2019)
3. Nature of Participants : Students and faculty members from different Engineering colleges.
4. Number of Participants : 23
5. Student Coordinator : Mr. Aqleem Siddiqui, Mr. Girish Dalvi & Mr. Afzal Ansari
6. Staff Coordinator : Mr. Aqleem Siddiqui, Mr. Girish Dalvi & Mr. Afzal Ansari
7. Brief Summary of the Activity/Event (in maximum 500 words):
  - a) Objectives : Provide Knowledge and Hands on Training on ANSYS Mechanical and CFD.

#### b) Technical Description :

One week Hands on Training was conducted in the CAD/CAM Lab of the Mechanical department of FCRIT in association with ARK Infosolutions Pvt. Ltd. Mumbai. The first two days were focused on geometrical modelling using Spaceclaim and Design Modeller in which topics like sketching, modeling and Geometry cleanup workshop were covered. On the third day different aspects of meshing were discussed and practiced. The topics covered were ANSYS Meshing Basics, Mesh Methods using Global Mesh Controls and Local Mesh Controls. The remaining days were focused on ANSYS FEM and CFD in which hands on training on plate with hole, buckling of columns, Fluid Flow & Heat Transfer in Mixing Tee, Fluid flow around NACA0012 Airfoil, Turbulent Flow past Backward Step and Vortex Shredding were covered.

#### c) Outcomes : Participants were able to

- i. Develop skills on Geometrical Modelling using Design Modeller and SpaceClaim.
- ii. Develop skills on meshing using ANSYS Workbench.
- iii. Develop skills on simulation using ANSYS Fluent.

Staff Coordinator

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### List of Participants

Fr. C. Rodrigues Institute of Technology, Vashi  
Department of Mechanical Engineering

Hands on Training Program on ANSYS Mechanical and CFD  
Participant Information

Sr. No.	Name	Designation	Name of Institute	Contact No	Email ID	Fees	Payment details
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Coordinators						31000/-	25000
1	Mr. AQLEEM SIDDIQUI	Assistant Professor	FCRIT, Vashi				
2	Mr. GIRISH DALVI	Assistant Professor	FCRIT, Vashi				
3	Mr. AFZAL ANSARI	Assistant Professor	FCRIT, Vashi				

*[Signature]*

Staff Coordinator

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HOD





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Mechanical Engineering**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

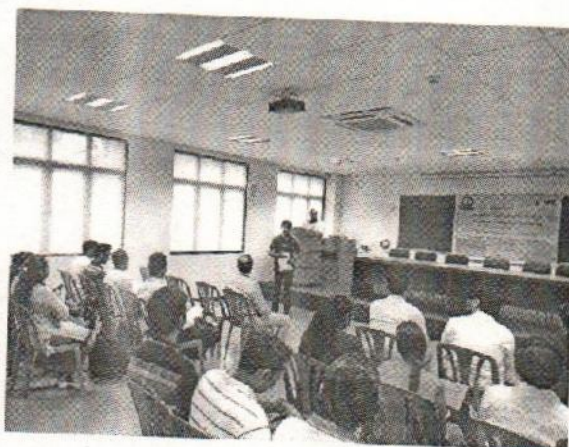
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### **Activity / Event Photographs**



*Certificate distribution by Principal,  
(Dr. S.M. Khot)  
Date: 29/06/2019*



*Participant expressing his views  
Date: 29/06/2019*



*Group photo of participants, trainers,  
co-ordinators, convener and patron  
Date: 29/06/2019*

Staff Coordinator

HOD



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Sector - 9A, Vashi, Navi Mumbai - 400 703, INDIA.  
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**ACADEMIC YEAR 2018-2019**

**List of Events**

Sr. No.	Name of FDP/STTP	Date	Coordinator/Convener
1.	One Days FDP on "AI and Deep Learning"	25 <sup>th</sup> - June, 2019	Ms. Amruta P.

  
staff Coordinator

  
HOD






**Fr. C. Rodrigues Institute of Technology, Vashi**  
**Electronics and Telecommunication Engineering Department**

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**Event-1**  
**One Days FDP on "AI and Deep Learning"**  
**25<sup>th</sup> June, 2019**

**Brief Activity/Event Report**

1. Name of the Activity/Event : Faculty development program on Artificial Intelligence and Deep learning.
2. Activity/Event Venue & Date : AX502, 25/06/2019
3. Nature of Participants : Staff of Electronics and Telecommunication
4. Number of Participants : 10
5. Student Coordinator : NIL
6. Staff Coordinator : Ms. Amruta Pabarekar
7. Brief Summary of the Activity/Event (in maximum 500 words):
  - a. Objectives : The objective of this session is to have an overview of various softwares used in Artificial Intelligence and Deep learning.
  - b. Technical Description : It was a well-planned session with introduction to machine language programming, various software used in Artificial intelligence in more effective elaborate hands on and real life examples. A hands on session was also arranged on Anaconda, Jupyter languages. The Jupyter Notebook is an open-source web application that allows you to create and share documents that contain live code, equations, visualizations and narrative text. Uses include: data cleaning and transformation, numerical simulation, statistical modeling, data visualization, machine learning, and much more. The open-source Anaconda Distribution is the easiest way to perform Python/R data science and machine learning on Linux, Windows, and Mac OS X. It is the industry standard for developing, testing, and training on a single machine, enabling individual data scientists to download Python/R data science packages, manage libraries, dependencies, and environments with Conda, develop and train machine learning and deep learning models with scikit-learn, analyze data with scalability and performance with Dask, NumPy, pandas and Visualize results with Matplotlib etc.
  - c. Outcomes : Staff members were able to write few programs on Jupyter notebook, run the programs decode it and get necessary outputs. They will be able to implement in their respective course curriculum in an effective manner.

  
staff Coordinator

  
HOD



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**Department of Electronics & Telecommunication Engineering**

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Students will be benefitted with new innovative labs thus will improve the teaching learning process.

This workshop has resulted in mapping PO1 (Knowledge) and PO12 (Life-long learning). Based on technical evaluation after the workshop, the attainment level obtained was 3.

- d. **Summary of Feedback** : It would be better if we have more days to the hands on sessions. Many more sessions on innovative teaching learning methods, embedded systems, NETSIM simulation tool can be arranged.
- e. **Action to be Taken based on Feedback**: The feedback from staff members have been noted. Teaching learning methods, Embedded systems and NetSim simulation tool related seminar can be arranged in future.

**8. Activity / Event Photograph :**



staff Coordinator

Staff Coordinator

8E, 6-7-19

HOD

8E

HOD





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**List of Participants**

Fr. C. Rodrigues Institute of Technology  
Department of Electronics & Telecommunication Engineering  
Date: 25/06/2019 FDP on Artificial Intelligence and Deep Learning.

Sr. No.	Name of Staff	Sign	Sign
		Session 1	Session 2
	<b>Teaching Staff</b>		
1	Dr. Milind Shah	-	-
2	Dr. RPRC Iyer	-	-
3	Dr. Goswami	-	-
4	Mrs. Sadhana Pai	<i>[Signature]</i>	<i>[Signature]</i>
5	Mrs. Megha Kolhekar	<i>[Signature]</i>	<i>[Signature]</i>
6	Mrs. Savitha Upadhyaya	<i>[Signature]</i>	<i>[Signature]</i>
7	Mrs. Pranali Choudhari	<i>[Signature]</i>	<i>[Signature]</i>
8	Mrs. Pushpa U. S.	-	-
9	Mrs. Smita Chopde	<i>[Signature]</i>	<i>[Signature]</i>
10	Mr. Ashish Harsola	<i>[Signature]</i>	<i>[Signature]</i>
11	Mrs. Nilashree Wankhede	-	-
12	Mr. Yogesh Chandurkar	-	-
13	Mrs. Smita Hande	-	-
14	Mrs. Anita Jadhav	<i>[Signature]</i>	<i>[Signature]</i>
15	Mrs. Manita Rajput	<i>[Signature]</i>	<i>[Signature]</i>
16	Mrs. Sreedevi Nair	<i>[Signature]</i>	<i>[Signature]</i>
17	Mrs. Sneha Revankar	<i>[Signature]</i>	<i>[Signature]</i>
18	Mr. Jatin Desai	<i>[Signature]</i> 25/6/2019	<i>[Signature]</i> 25/6/2019
19	Mrs. Nishan Patnaik.		

*[Signature]*  
(Ms. Amruta P)  
Convener

*[Signature]*  
(Dr. M.S. Shah)  
Professor & H.O.D

*[Signature]*  
Gaurav Singh  
staff Coordinator

*[Signature]*  
HOD



**Fr. C. Rodrigues Institute of Technology, Vashi**  
**Electronics and Telecommunication Engineering Department**

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**Fr. C. Rodrigues Institute of Technology**  
**Department of Electronics & Telecommunication Engineering**

Sector - 9A, Vashi, Navi Mumbai - 400703, INDIA.  
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**IETE-ETSA Students' Forum**

25<sup>th</sup> June, 2019

To  
Mr. Gaurav Singh  
Director,  
We Can Education

Subject: Appreciation Letter

Dear Sir,

We are thankful to you for conducting a one day Faculty development program on "Artificial Intelligence and Deep learning" to our staff members of Electronics & Telecommunication Engineering on 25/06/2019.

We expect similar cooperation from you in future as well.

Thanking you,

With warm regards,

Yours truly,

SEI  
(Dr. Milind Shah)  
Professor & Head,

*G. Singh*

Gaurav Singh.

*[Signature]*  
staff Coordinator

SEI  
HOD





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Electrical Engineering**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

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### **List of Activities (2018-19)**

<b>Sr. No.</b>	<b>Name of the Activity/Event</b>	<b>Duration</b>	<b>No. of days</b>	<b>Staff Incharge</b>
1	ISTE approved one-week short term training Programme on "Teaching Pedagogies for Engineering Education" organized by Department of Electrical Engineering, FCRIT, Vashi	June 24 <sup>th</sup> -28 <sup>th</sup> , 2019	5	Harshada C. B.

*B. Indus*



**AICTE-ISTE approved**

**Short Term Training Programme on**

**"TEACHING PEDAGOGIES FOR  
ENGINEERING EDUCATION"**

24<sup>th</sup> - 28<sup>th</sup> June 2019

**REGISTRATION FORM**

Name : \_\_\_\_\_

Age : \_\_\_\_\_

Designation : \_\_\_\_\_

Institute: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_

Tel. No : \_\_\_\_\_

e-Mail : \_\_\_\_\_

Qualification : \_\_\_\_\_

Experience : \_\_\_\_\_

ISTE Membership No.: \_\_\_\_\_

DD No. : \_\_\_\_\_ date : \_\_\_\_\_

Accommodation required : YES/NO

I agree to abide by rules and regulations governing the  
above STTP.

Date: \_\_\_\_\_

Signature of applicant

Recommendation of Employer:

The applicant will be permitted to participate in the  
above program, if selected.

Date: \_\_\_\_\_

Signature

Name & Designation of the Sponsoring Authority with  
Seal

**PATRONS**

- Rev. Fr. Saturnino Almeida,  
Managing Director, ATEC, Vashi.
- Rev. Fr. L. Dias,  
Procurator, ATEC, Vashi.
- Fr. Peter Fernandes  
Assistant Managing Director, ATEC Vashi.

**ADVISORY COMMITTEE**

- Dr. S.M. Khot,  
Principal, Fr. C.R.I.T., Vashi,

**CONVENER**

Dr. Bindu S., Professor & Head,  
Department of Electrical Engineering.  
Mobile: 09819220504  
e-mail: bindu.s@fcril.ac.in

**COURSE CO-ORDINATOR**

Mrs. Harshada C. Bhosale : 9969650364  
e-mail: harshada.bhosale@fcril.ac.in

**MEMBERS OF ORGANISING COMMITTEE**

- Dr. Sushil Thale Mob : 09869396998
- Dr. Mini R. Mob : 09869243726

**Department Vision:**

To evolve as a progressive Centre for modern  
technical education in the field of Electrical  
Engineering to produce self-sustainable  
professionals through value based education.

**Department Mission:**

- To provide modern technical education in the  
area of Electrical Engineering.
- To collaborate with industries and institutes of  
repute to grow progressively.
- To provide holistic environment for the  
development of socially responsible citizens.

**AICTE-ISTE approved**

**SHORT TERM TRAINING PROGRAMME**

ISTE/Proceedings/STTP-SF/MAH-010/2019-20

on

**"TEACHING PEDAGOGIES FOR  
ENGINEERING EDUCATION"**

(June 24<sup>th</sup> -28<sup>th</sup> , 2019)



**Organized by**

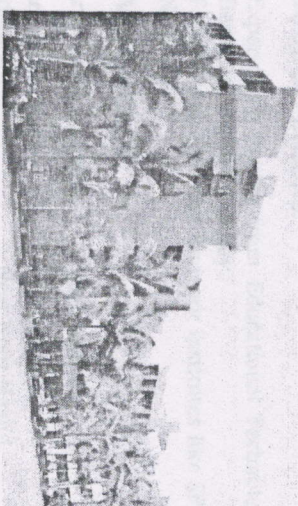
Department of Electrical Engineering  
Fr. C. Rodrigues Institute of Technology

Sector 9A, Vashi,

Navi Mumbai - 400 703.

Phone: 022 27771000 Extn. 339

Fax: 022 27660619



[www.fcril.ac.in](http://www.fcril.ac.in)



## PROFILE OF THE INSTITUTE

Fr. C. Rodrigues Institute of Technology was established in 1994 as an extension of the pioneering efforts of the Agnel Ashram fathers in the arena of Technical Education with the relentless pursuit of excellence as its guiding force. Fr.C.R.I.T in a short span of time established itself as a leading Engineering college in Mumbai university with many students in the list of university rank holders every year starting with its first graduating batch. It has also made its mark in sports, extra-curricular and co-curricular activities. In recognition of the fact that it imparts high quality value-based technical education, made possible by its dedicated staff and extensive facilities, the Government of Maharashtra awarded Fr.C.R.I.T. an "A" grade right from its inception. Similarly, three programs of the institute have recently been reaccredited for three years by National Board of Accreditation vide F. No. 28-41-2010-NBA dated 18 - 12 - 2018.

The institute is also recognized by the AICTE and is dedicated to fulfilling the following missions:

1. To provide industry oriented quality education.
2. To provide holistic environment for overall personal development
3. To foster relationship with other institute of repute, alumni and industry.

## ABOUT THE DEPARTMENT

The department offers BE (Electrical Engineering), ME (Power Electronics and Drives) and Ph.D. programmes.

The department has well-qualified faculty and well

equipped laboratories and other infrastructure. The department regularly conducts seminars, project contests and short-term courses for the benefit of students, academicians and industry personnel.

## IMPORTANT DATES:

Last date to receive application: 31st May 2019

Last date for confirmation: 2nd June 2019

## REGISTRATION FEE:

For ISTE members: ₹ 3000

## MODE OF PAYMENT:

Applicants can send a DD in favour of ("Fr.CRIT" payable at Vashi, Navi Mumbai.)

## ELIGIBILITY:

Faculty teaching in Engineering colleges from any discipline can attend. Applicant should have ISTE life time membership. Those who do not have can pay membership fee of 3540/- (Incl. 18% GST) by DD in favour of ISTE New Delhi, at the time of registration which will be forwarded to ISTE, New Delhi.

**Note: Photocopy or downloaded copy of the registration form can be used**

## ACCOMMODATION

Participants who desire accommodation in the campus are requested to indicate so in the registration form. Accommodation will be provided at a nominal rate for limited number of participants.

## OBJECTIVES OF THE COURSE

Technology today is changing rapidly. As teachers of Technical Education we need to adapt to these new ways of Technology in order to meet the expectations of the new generation of learners. The main objectives behind arranging the STTP are:

- To enable appropriate use of Educational Technology.
- To learn modern innovative methods of Teaching.
- Improve communication abilities for proper knowledge dissemination.
- Understand the role of research as a tool for self-growth.
- Understand psychology of students through effective mentoring.

## COURSE CONTENT

The course includes a hands on two days' workshop on "*Pedagogy for effective student-centered teaching-learning with technology*" conducted by team from Educational Technology department of IIT Bombay. It also includes various sessions on Innovative methods of Teaching, Importance of Research for Academicians, Mentoring and Counselling students etc. conducted by faculty from various eminent Institutes.

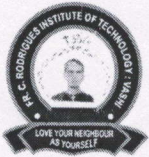
## RESOURCE PERSONS:

- Experienced faculty from Educational Technology Department of IIT Bombay.
- Faculty from different Eminent Institutes like SPIT, NMIMS etc.

## HOW TO REACH:

Nearest railway station : Vashi Station  
Nearest Bus depot : Vashi Depot  
Landmark : Near Noor Masjid,  
Behind Vashi Depot





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Electrical Engineering**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

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### **Brief Activity/Event Report (2018-19)**

- 1) Name of the Activity/Event : AICTE-ISTE approved one-week Short term training Programme on "Teaching Pedagogies for Engineering Education"
- 2) Activity/Event Venue & Date : Seminar hall and Electrical Computer lab (June 24<sup>th</sup> -28<sup>th</sup> , 2019)
- 3) Nature of Participants : Faculty from different Engineering colleges.
- 4) Number of Participants : 34
- 5) Student Coordinator : Volunteers from 2<sup>nd</sup> and 3<sup>rd</sup> year Electrical class
- 6) Staff Coordinator : Mrs. Harshada C. Bhosale
- 7) Brief Summary of the Activity/Event (in maximum 500 words):

a) **Objectives** : To create awareness about different active learning techniques to impart quality Education in Engineering colleges.

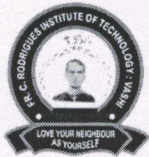
b) **Technical Description** :

The five days STTP on "Teaching Pedagogies for Engineering Education" covered various teaching methodologies to enhance teaching capabilities of Teachers of Engineering colleges. Sessions were taken by eminent speakers from ET department of IIT Bombay like "What are different Active Learning strategies" , "Visual design principles in presentations", "Writing Learning objectives" , "Writing educational scripts". Also renowned speakers from various colleges took interactive sessions on "Innovative Teaching Techniques", "Mentoring and Counseling students", "Effective Communication for Knowledge Dissemination". Faculty from FCRIT also took sessions on "Role of Teachers in Research", "Case study on Flipped Class-room", "Necessary reforms in Examination and Evaluation Techniques", "Various Levels in Bloom's Taxonomy". Hands on sessions were taken on "Writing Learning Objectives" and "TPS-Think, Pair, Share activity. A special workshop was arranged on "Stress Management for teachers" in which a Yoga instructor conducted different Yoga exercises for stress relieving.

*Atchannan*

*B. Srinivas*





# *Fr. C. Rodrigues Institute of Technology, Vashi*

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- c) **Outcomes** : Participants were able to -
- i. Get knowledge about various Active learning Methodologies
  - ii. Develop skills on writing Learning Objectives for courses taught
  - iii. Learn Innovative Teaching Techniques using Technology
  - iv. Learn and understand various levels in Blooms Taxonomy.

*Atthanan*



Fr. Conceicao Rodrigues Institute of Technology, Vashi  
DEPARTMENT OF ELECTRICAL ENGINEERING  
AICTE-ISTE approved SHORT TERM TRAINING PROGRAMME on  
"TEACHING PEDAGOGIES FOR ENGINEERING EDUCATION"  
(June 24th -28th, 2019)

DATE : 28/06/2019

Sr.No.	NAME	Morning	Afternoon
1	Dr Christu N David	<i>Christu N David</i>	<i>Christu N David</i>
2	Dr. Pritha Bhattacharyya	<i>Pritha</i>	<i>Pritha</i>
3	Dr. Sanjukta Bhowmik	<i>SB</i>	<i>SB</i>
4	Mrs. Rakhi Bhadkamkar	<i>Rakhi</i>	<i>Rakhi</i>
5	Mrs. Swapna Gijare	<i>Swapna</i>	<i>Swapna</i>
6	Mrs Neethu Fernandes	<i>N Fernandes</i>	<i>N Fernandes</i>
7	Mrs Suma Jebin	<i>Suma</i>	<i>Suma</i>
8	Dr Amrita Mandalbera	<i>Amrita</i>	<i>Amrita</i>
9	Pramod Bide	<i>Pramod</i>	<i>Pramod</i>
10	Sunil Ghane	<i>Sunil</i>	<i>Sunil</i>
11	Yogesh wankhede	<i>Yogesh</i>	<i>Yogesh</i>
12	Vijaykumar S. Chaudhari	<i>Vijaykumar</i>	<i>Vijaykumar</i>
13	Dr. Sangeeta Daingade	<i>Sangeeta</i>	<i>Sangeeta</i>
14	Prajakta Joshi	<i>Prajakta</i>	<i>Prajakta</i>
15	Dr. Bhagyashree Chari	<i>Bhagyashree</i>	<i>Bhagyashree</i>
16	Mrs. Anandi S Kawathekar	<i>Anandi</i>	<i>Anandi</i>
17	Dnyanoba V. Ghar	<i>Dnyanoba</i>	<i>Dnyanoba</i>
18	Tuhina Bose	<i>Tuhina</i>	<i>Tuhina</i>
19	Dr. Bindu S	<i>Bindu</i>	<i>Bindu</i>
20	Ms. Divya M	<i>Divya</i>	<i>Divya</i>
21	Mrs. Sreedevi Nair	<i>Sreedevi</i>	<i>Sreedevi</i>
22	Mrs. Ruchi Harchandani	<i>Ruchi</i>	<i>Ruchi</i>
23	Mrs. Seema Jadhav	<i>Seema</i>	<i>Seema</i>
24	Mrs. Rashmi Kale.	<i>Rashmi</i>	<i>Rashmi</i>
25	Mrs. Harshada Bhosale	<i>Harshada</i>	<i>Harshada</i>
26	Mrs. Divya Sajeesh	<i>Divya</i>	<i>Divya</i>
27	Mr. Rajendra soni	<i>Rajendra</i>	<i>Rajendra</i>
28	Mrs. Aleena Mariya Vincent	<i>Aleena</i>	<i>Aleena</i>
29	Dr. M Krishnamoorthy	<i>M Krishnamoorthy</i>	<i>M Krishnamoorthy</i>
30	S Tamil Selvi	<i>S Tamil Selvi</i>	<i>S Tamil Selvi</i>
31	Raji M P	<i>Raji M P</i>	<i>Raji M P</i>
32	Ansari <sup>Zeba Taspyim</sup> Sebastian	<i>Ansari</i>	<i>Ansari</i>
33	Madhumita Battacharjee	<i>Madhumita</i>	<i>Madhumita</i>
34	Ms. Nishan Patnauk	<i>Nishan</i>	<i>Nishan</i>









# *Fr. C. Rodrigues Institute of Technology*

## **Department of Information Technology**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

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### **ACADEMIC YEAR 2018 - 2019**

#### **List of Events**

Sr. No	Event name	Date of Event	Coordinator
1	One Week AICTE-ISTE approved Short Term Training Program on "Recent Trends in Mobile (Android) Apps Development" organized by the Department of Information Technology at Fr.CRIT,Vashi	24th-28th June 2019	Mrs. Rupali Deshmukh, Mrs. Himani Jawale





# *Fr. C. Rodrigues Institute of Technology*

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**Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)**

### **Brief Activity/Event Report**

1. **Name of the Activity/Event** : AICTE –ISTE Approved STTP program on “Recent Trends in Mobile(Android) Apps Development”
2. **Activity/Event Venue & Date** :Fr.C.R.I.T IT Department & 24 june to 28 june 2019
3. **Nature of Participants** : Staff of IT and Computer engineering department of Mumbai university
4. **Number of Participants** :20
5. **Staff Coordinator** :Archana Shirke and Rupali Deshmukh
6. **Brief Summary of the Activity/Event (in maximum 500 words):**
  - a. **Objectives** :
    - To teach the fundamental techniques and principles in programming Platform Mobile Applications.
    - To introduce Android platform and its architecture.
    - To learn activity creation and Android UI designing.
    - To be familiarized with Intent, Broadcast receivers and Internet services.
    - To work with SQLite Database and content providers.
    - To integrate multimedia, camera and Location based services in Android Application.
    - To explore Mobile security issues.
  - b. **Technical Description** :
    - Introduction to Android and Architecture of Android and Applications, Activities and Building User Interface
    - Intents, Broad cast receiver and Internet Resources
    - Data Persistence and Content Providers
    - Audio, Video ,Camera, Maps, Geocoding and Location Based services and Securing and Publishing Android Application
  - c. **Outcomes** :
    - Describe Android platform, Architecture and features Securing and Publishing Android Application and Design User Interface and develop activity for Android App.
    - 2. Use Intent , Broadcast receivers and Internet services in Android App.
    - 3. Design and implement Database Application and Content providers.
    - 4. Use multimedia, camera and Location based services in Android App. and Discuss various security issues in Android platform.
  - d. **Summary of Feedback** :



# Fr. C. Rodrigues Institute of Technology

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- STTP is well organised and effectively delivered
- Goals of the training are clearly defined
- Interactive sessions and knowledgeable facilitator







# Fr. C. Rodrigues Institute of Technology

## Department of Information Technology

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### Course Fees

ISTE Member : Rs.2006(1700+18%GST)  
Non-ISTE Member: Rs.2360 (2000+18%GST)  
(Inclusive of course materials, refreshments & lunch)

The teachers sponsored by AICTE recognized institutions are required to send the registration form, duly filled, along with a bank demand draft in the favour of "PRINCIPAL Fr. C. R. I. T., Vashi" payable at Navi Mumbai.

### Important Dates:

Last date for Registration with DD: 17/06/2019

### Contacts:

- Prof. Rupali Deshmukh  
M- 9967812583
- Prof. Himani Jawale  
M -9767020667

Email: [itdeptfcrit@gmail.com](mailto:itdeptfcrit@gmail.com)

### Information Technology Department:

Phone: 022- 41611000

Fax: 022- 27660619

Visit: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### Patrons

Rev. Fr. Almeida, MD, ATEC, Vashi.  
Rev. Fr. Peter ATEC, Vashi.  
Dr. S.M.Khot, Principal, Fr. C.R.I.T., Vashi.

### Advisory Committee

Dr. Milind Shah, HOD, E&TC Dept  
Dr. Bindu S, HOD, Electrical Dept  
Dr. Lata Raghav, HOD, Computer Dept  
Dr. H.K. Chavan, HOD, IT Dept  
Dr. Nilaj Deshmukh, HOD, Mechanical Dept  
Dr. Christu N. HOD, Humanities & Basic Sciences Dept  
Dr. Sushil Thale, Dean Research & Development  
Dr. Nitesh Yelve, Dean PG Studies  
Prof. Lakshmi M. Gadhihar, IT Dept

### Resource Persons

- Mr. Suresh Pal, ATS Learning Solutions, Mumbai
- Mr. Sumit Sharma, ATS Learning Solutions, Mumbai
- Mr. Gaurav Pangam ICM S/W Mumbai
- Mr. Shashank Chavan Telstra Pune
- Experts from TCS, Mumbai.

### Accommodation:

Participants who desire accommodation in the campus are requested to indicate so in the registration form. Accommodation will be provided at a nominal rate for limited number of delegates.

### Approximate Travel Time For Reaching Agnel Technical Education Complex

- Vashi Railway Station: 15 mins. (2 kms.)
- Vashi Bus Depot: 5 mins. (0.5km)
- Domestic Airport to Vashi: 1 hr. (20 kms.)



AICTE-ISTE APPROVED  
SHORT TERM TRAINING  
PROGRAMME

On  
"Recent Trends in  
Mobile(Android) Apps  
Development"  
(24<sup>th</sup> – 28<sup>th</sup> June, 2019)



Organized By  
Department of  
INFORMATION TECHNOLOGY

Fr. C. Rodrigues Institute of Technology,  
Agnel Technical Education Complex,  
Sector 9A, Vashi  
Navi Mumbai – 400 703  
Visit: [www.fcrit.ac.in](http://www.fcrit.ac.in)

Convener  
Mrs. Archana Shirke

Coordinators  
Mrs. Rupali Deshmukh  
Ms. Himani Jawale

### Profile of the Institute:

Fr. C. Rodrigues Institute of Technology was established in 1994 in Navi Mumbai, Vashi, as a part of Agnel Technical Education Complex. The aim of the Institute is to provide quality technical education in addition to inculcating moral values to its students. Apart from academic excellence, the campus is also reputed for its extensive facilities that have led to it being awarded an "A" grade by the Directorate of Technical Education, Maharashtra, right from its inception. The institute is affiliated to the University of Mumbai and all the five UG engineering programmes (i.e. Computer, Mechanical, Electronics & Telecommunication, Electrical and Information Technology) are accredited from August 2012 by the National Board of Accreditation, New Delhi.

The institute also offers PG Courses in Mechanical Engg. (M/C Design), Electrical Engg. (Power Electronics and Drives), Electronics & Telecommunication).

The institute has recently started approved research Centre in Mechanical Engineering and Electrical Engineering to broaden the prospects of imparting higher technical education and research culture.

### About Department:

IT department aims at empowering students for lifelong learning, Research and successful adaptation of ever changing technology, it helps students to develop an ability to analyze, design and provide novel IT solutions for engineering problems

### Vision:

To become a leading center of excellence for quality education, advance research and development in the field of Information Technology for self-sustaining professionals.

### Mission:

1. To provide industry oriented quality education and training to students related to cutting edge technologies in the field of information technology.
2. To promote multidisciplinary activities that inspires students to serve society through innovative applications.
3. To promote entrepreneurship skills in students with overall personality development.

### Course Objectives:

- To teach the fundamental techniques and principles in programming Platform Mobile Applications.
- To introduce Android platform and its architecture.
- To learn activity creation and Android UI designing.
- To be familiarized with Intent, Broadcast receivers and Internet services.
- To work with SQLite Database and content providers.
- To integrate multimedia, camera and Location based services in Android Application.
- To explore Mobile security issues.

### Course Content:

1. Introduction to Android and Architecture of Android and Applications, Activities and Building User Interface
2. Intents, Broadcast receiver and Internet Resources
3. Data Persistence and Content Providers
4. Audio, Video, Camera, Maps, Geocoding and Location Based services and Securing and Publishing Android Application

### Course outcome:

1. Describe Android platform, Architecture and features Securing and Publishing Android Application and Design User Interface and develop activity for Android App.
2. Use Intent, Broadcast receivers and Internet services in Android App.
3. Design and implement Database Application and Content providers.
4. Use multimedia, camera and Location based services in Android App, and Discuss various security issues in Android platform.

### STTP on

"Recent Trends in Mobile  
(Android) Apps Development"

### Registration Form

Full Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Institute: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_

Mobile: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Accommodation Required: Yes / No

ISTE Member: Yes/No

(If yes, Membership No: \_\_\_\_\_)

Registration fee (Rs.): \_\_\_\_\_

Mode of Payment: Cheque / Demand Draft

Cheque/DD No: \_\_\_\_\_ Date: \_\_\_\_\_

Name of the Bank: \_\_\_\_\_

I agree to abide by rules and regulations governing the above STTP

\_\_\_\_\_

Date: \_\_\_\_\_ Signature of applicant

\_\_\_\_\_

Recommendation of Employer

The applicant will be permitted to participate in the above program, if selected

\_\_\_\_\_

Date: \_\_\_\_\_ Signature

Name &

Designation of

Sponsoring authority with seal



# Fr. C. Rodrigues Institute of Technology

## Department of Information Technology

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

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Agnel Charities'

Fr. C. Rodrigues Institute of Technology

Department of Information Technology

### STTP on "Recent Trends in Mobile (Android) Apps Development"

#### Attendance Sheet

Sr.No.	Full name:	28/06/2019		
		Session 16 Sign	Session 17 Sign	Session 18 Sign
1	Sushopti Gawade			
2	Mamata Onkar Barve			
3	Mrs. Pradaya A. Patil			
4	Renuka Naggare			
5	Madhu M Nashipudimath			
6	Ms. Meenu Sujitkumar Ugale			
7	Jyotsna Bhushan More			
8	Lakshmi M. Gadlikar			
9	Sachin Annappa Navar			
10	Vinita Bhandiwad			
11	Arunjo Sovarna			
12	Bushra Shaikh			
13	Sonali Vaidya			
14	Dr.H.K. Chavan			
15	Trupti Lotlikar			
16	Kalpna Wani			
17	Suraj Khandare			
18	Rupali Deshmukh			
19	Smriti Rekhande			
20	Himani Jawale			





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Fr. C. R. Institute of Technology, Vashi  
Department of Information Technology  
AICTE-ISTE Approved STTP on  
"Recent Trends in Mobile (Android) Apps Development"  
24<sup>th</sup> to 28<sup>th</sup> June 2019

### Training Evaluation Form

We are interested in your assessment of the training provided and would like to ask you to complete the form. For each statement, please check if you agree or disagree using a rating scale from "1" to "5". A rating of "1" indicates that you strongly disagree with the statement and a rating of "5" indicates that you strongly agree and "3" is the level where you neither agree nor disagree.

Categories	Check your response				
	Strongly disagrees - Strongly Agree				
	1	2	3	4	5
<b>Preparation</b>					
The invitation for training stated the goals clearly.					✓
<b>Content Delivery</b>					
The goals of the training were clearly defined.					✓
The topics covered were relevant.					✓
Each session stated the objectives clearly.					
There was sufficient opportunity for interactive participation.				✓	
The training was too technical and difficult to understand.				✓	
The training experience will be useful in my work.				✓	✓
I got most of my questions answered during the training.				✓	✓
The material were pitched at the right level.					✓
The material for the training were helpful.				✓	✓
The schedule for the training provided sufficient time to cover all of the proposed activities.			✓		
<b>Facilitator</b>					
The facilitators were knowledgeable about the topics.					✓
The facilitators encouraged active participation.					✓
The facilitators were well prepared for the session.				✓	
The facilitators answered questions in a complete and clear manner.				✓	
The facilitators used variety of training methods.				✓	
The facilitators were respectful of the different skills and values Presented by the participants					
<b>Facility</b>					
The meeting room and related facilities provided a comfortable setting for the training.			✓		
The location for the training was convenient for me.				✓	
The refreshments and food provided were of good quality.				✓	
The computer during session worked well.				✓	
The sessions lasted about the right amount of time.					
<b>General Satisfaction</b>					
The goals of the training have been met.					✓
I am satisfied with my increase understanding of the topic.					✓
I am very satisfied with all aspects of this training event.				✓	
I am satisfied with the variety of training methods used.				✓	

Comment:

Good

Signature:

*[Signature]*

*[Signature]*

Coordinator STTP

*[Signature]*

Hod Information Technology



*Agnel Charities'*

**Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai.**

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**Academic Year  
2017-18**





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Computer Engineering**

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### **ACADEMIC YEAR 2017 - 2018**

#### **List of Events**

<b>Sr. No.</b>	<b>Name of FDP/STTP</b>	<b>Date</b>	<b>Coordinator/Convener</b>
1.	One-week STTP on " <b>Machine Learning</b> "	02 <sup>th</sup> -06 <sup>th</sup> January, 2018	Mr.Amroz K Siddiqui Mr.Rahul Jadhav
2.	One day FDP on " <b>Open Source Technology</b> "	23 <sup>rd</sup> October,2017	Mr.Mritunjay.Ojha

  
Staff Coordinator

  
HOD



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### Event-1

## One Week Short Term Training Program (STTP) on "Machine Learning"

(02<sup>nd</sup> -06<sup>th</sup> January, 2018)

#### Registration Form

##### • Personal Information

- Full Name: (In Block Letters)

- Email address:

- Contact Number(s):

- Residential Address:

##### • Professional Information

- Designation:

- Organization:

- Qualification:

##### • Registration Information

- ISTE Member: ☐ Yes ☐ No

- If Yes, Membership No.:

- Fees: ☐ Rs. 2500/- ☐ Rs. 3000/-

- Mode of Payment: ☐ Cash ☐ DD

- DD No.:

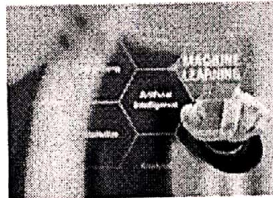
- Date:

- Bank / Branch:

Candidate's  
Signature

Seal and Signature of Sponsoring  
Authority

Linked Regression  
Decision Tree  
Support Vector  
Machine Learning  
Naive Bayes  
K-Nearest Neighbors  
Random Forest  
Gradient Boosting  
Deep Learning  
Neural Networks  
Convolutional Neural Networks  
Recurrent Neural Networks  
Generative Adversarial Networks  
Variational Autoencoders  
Generative Stochastic  
Neural Networks



#### The People

##### Chief Patrons

Rev. Father Saturnino Almeida  
Managing Director

Rev. Father Ivon Almeida  
Assistant Managing Director

##### Patrons

Dr. S. M. Khot  
Principal

Dr. Lata Ragha  
Head, Department of Computer Engineering

#### Organizing Committee

Faculty of Department of Computer Engineering.



ISTE Approved  
Short Term Training Program  
(STTP)

on

Machine Learning

(January 02 - January 06, 2018)

#### Organized by

Department of Computer Engineering

Fr. C. Rodrigues Institute of Technology.

Agnel Technical Education Complex,

Sector 9A, Vashi, Navi Mumbai - 400703

[www.fcrit.ac.in](http://www.fcrit.ac.in)

#### Conveners

• Amroz K. Siddiqui

- amroz@fcrit.ac.in

- 8411508262 / 9221796825

• Rahul Jadhav

- rahul.jadhav@fcrit.ac.in

- 9619793406

Staff Coordinator

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### Overview

The Department of Computer Engineering of Fr.CRIT, that is, Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, is organizing a Short Term Training Program on Machine Learning from January 02 to January 06, 2018. The Program will comprise of lectures, hands on lab exercises and quizzes by experts from Industries and Research Organizations. The knowledge imparted through this course will expose the participants to the advancements in latest technologies in these fields. The program is open to Faculty members and Ph.D. students to further enhance their knowledge in the field of Machine Learning.

#### The Vision and Mission of the Department

##### Vision:

To contribute significantly towards high quality technical education with ever changing world and empower the students to be the self-sustainable professionals in computer technology and responsible citizens possessing Indian values and ethics.

##### Mission:

1. To provide quality and application oriented education in the field of Computer Engineering to meet the industry requirements
2. To prepare technically competent, ethical, socially committed professionals with good leadership qualities.
3. To facilitate an opportunity to interact with prominent institutes, alumni and industries to understand the impact of computer technology in global and local context.

### Institute Profile

Fr. C. Rodrigues Institute of Technology was established in 1994 in the heart of Navi Mumbai, Vashi, as a part of Agnel Technical Education Complex. The main aim of the Institute is to provide quality technical education in addition to inculcating moral values in its students. The College has been granted Religious minority status and prides on being one of few that has been accredited for all five branches twice, one in the year 2006 another in 2012. Our Institute



has been ranked between the top 150 200 engineering colleges in India, according to NIRF (National Institute Ranking Framework). This ranking has been given to only three private colleges in the Mumbai city.

### Features of the Training Program

This program provides a broad introduction to Machine Learning along with hands-on practice through innovative and challenging lab-exercises using Python and R programming languages, followed by two small quizzes to test our understanding.

#### Topics include:

- Linear Regression, Logistic Regression, Classification and clustering
- Reinforcement Learning
- Bayesian Belief Networks, Hidden Markov Models
- Neural Networks
- K-means, fuzzy c-means, Mixture modeling, Expectation maximization for segmentation
- Decision Trees
- Support Vector Machines
- Sparse dictionary modeling
- Deep Learning, Tensor Flow

### Resource Persons

Eminent speakers from industries and institutes will conduct the sessions. Listed below are the names of few.

### Session Speakers

- Ms. Shilpa Karkera, Myraa Technologies
- Mr. Shaun D'Souza, Accenture
- Mr. Deyesh Rajadhyax, Cere Labs
- Mr. Nikesh Dalvi, Cere Labs
- Mr. Sanket Korgaonkar, Sears Holdings
- Mr. Saurabh Shigwan, IIT Bombay
- Ms. Kratika Gupta, IIT Bombay

### Guidelines

- The Registration Fees for the Program is
  - Rs. 3000/- (For Non ISTE Members)
  - Rs. 2500/- (For ISTE Members)
- 30 Seats have been allotted for this Training Program and will be filled on First Come basis.
- Scanned copy of completed Registration forms are required to be sent in the prescribed format duly attested by the competent authority to Coordinators email address before December 20, 2017.
- The fees can be paid either through cash OR Demand Draft in favour of "Fr. C. Rodrigues Institute of Technology" payable at Navi Mumbai
- The registration fee covers training program kit, STIP participation certificate, refreshments and lunch.
- Kindly contact Program Coordinators for any further enquiries.

### Institute Address

- Fr. C. Rodrigues Institute of Technology, Agnel Technical Education Complex, Sector 9A, Vashi, Navi Mumbai, Maharashtra, Pin- 400703
- Phone: +91-22-27771000, 27662949
- Fax: +91-22-27660619,
- Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

Staff Coordinator

HOD



# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Computer Engineering**

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### **Brief Activity/Event Report**

- 1) Name of the Activity/Event      One week STTP on "Machine Learning"  
(2<sup>nd</sup> -6<sup>th</sup> January, 2018)
- 2) Activity/Event Venue & Date      Open Source Tech. Lab-AX-510, 2<sup>nd</sup> -6<sup>th</sup> January, 2018
- 3) Nature of Participants      Students and faculty from various Engineering colleges.
- 4) Number of Participants      20
- 5) Staff Coordinator      Mr.Amroz K Siddiqui & Mr.Rahul Jadhav
- 6) Brief Summary of the Activity/Event (in maximum 500 words):

**a. Objective:**      Provides broad introduction to machine learning along with hands-on practice using Python and R programming languages.

**b. Technical Description:**

One week STTP on "Machine Learning" introduced several fundamental concepts and methods for machine learning to the participants. The aim is to familiarize the audience with some basic learning algorithms and techniques and their applications, as well as general questions related to analysing and handling large data sets. Several software libraries and data sets publicly available were used to illustrate the application of these algorithms. The emphasis was thus on machine learning algorithms and applications, with some broad explanation of the underlying principles. The main topics covered are: Linear Regression, Logistic regression, classifications, clustering, reinforcement learning, Bayesian belief network, neural network, K-means, fuzzy c means, decision trees, support vector machine, Sparse dictionary modelling, deep learning.

**c. Outcome**

Participants were able to

- i. understand complexity of Machine Learning algorithms and their limitations;
- ii. understand modern notions in data analysis oriented computing;
- iii. be capable of confidently applying common Machine Learning algorithms in practice and implementing their own;
- iv. be capable of performing distributed computations;
- v. be capable of performing experiments in Machine Learning using real-world data.

Staff Coordinator

  
HOD





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### List of Participants

Fr. C. Rodrigues Institute of Technology, Vashi  
Department of Computer Engineering  
ISTE and AICTE approved Short Term Training Program  
On

#### "MACHINE LEARNING"

JANUARY 02 - 06, 2018

#### Daily Attendance

Sl. No.	Name of the participant	02.01.2018		03.01.2018		04.01.2018		05.01.2018		06.01.2018	
		Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening
1	Advait Kamath	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
2	Aditya Jadhav	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
3	Swapnil Shinde	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
4	Tanvi Rajadhyaksha	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
5	Dr. Gresha S. Bhatia	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
6	Kavita Sheike	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
7	Shagufa Rajguru	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
8	Sai Vinherkar	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
9	Anita Jadhav	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
10	Manita Rajput	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
11	Sreedevi S. Nar. Sanjeev	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
12	Amey N. Gangal	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13	Sandhya Awate	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
14	Poonam P. Bari	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
15	Neelkamal Surve	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
16	Nikomal More	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
17	Varsha Wangikar	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
18	Deepa Parasar	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
19	Sonali Mhatre	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
20	Varsha Hole	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
21	Seema Yadav	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
22	Amruta Pabarekar	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
23	Suchita Kadam	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
24	Jayashree Hajgude	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present

Staff Coordinator

HOD





*Fr. C. Rodrigues Institute of Technology, Vashi*

**Department of Computer Engineering**

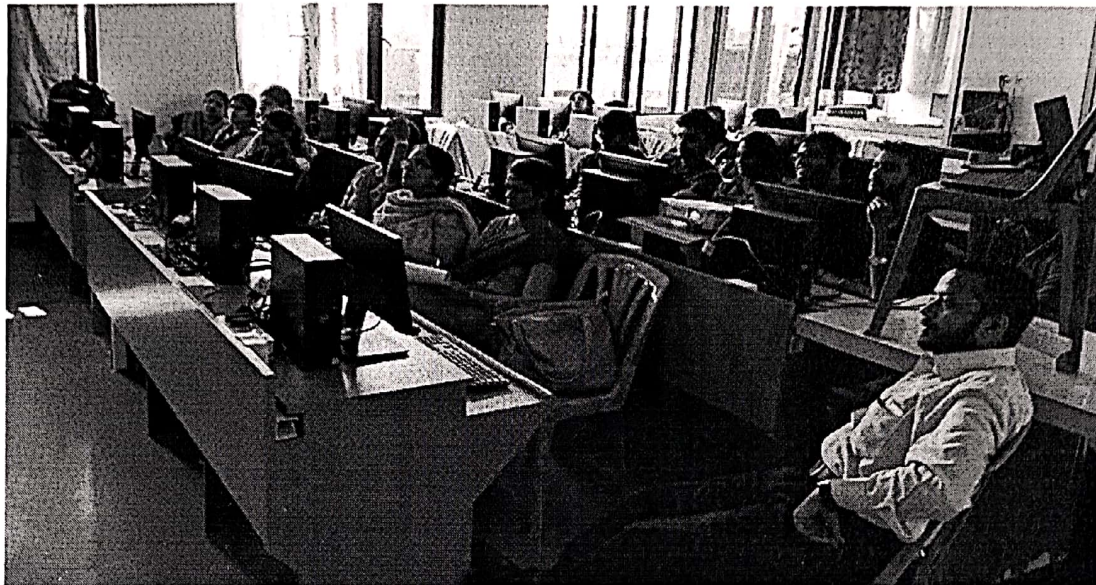
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### Activity / Event Photographs



*Participants attending session during STTP  
(Date: 04/01/2018)*



*Group photo of participants, Course coordinator & Program Coordinator  
(Date: 06/01/2018)*

Staff Coordinator

HOD





# *Fr. C. Rodrigues Institute of Technology, Vashi*

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### **Event-2**

## **One day Faculty Development Program (FDP) on “Open Source Technology”**

**(23<sup>rd</sup> October, 2017)**

### **Brief Activity/Event Report**

- 1) Name of the Activity/Event: One day Faculty Development Program (FDP) on “Open Source Technology”
- 2) Activity/Event Venue & Date: Wireless Lab, 4<sup>th</sup> Floor (Old Building) 23<sup>rd</sup> October, 2017
- 3) Nature of Participants: Faculty from computer department of the Institute
- 4) Number of Participants: 10
- 5) Staff Coordinator: Mr. Mrintunjay. Ojha
- 6) Brief Summary of the Activity/Event (in maximum 500 words):

#### **a) Objective:**

Tata Consultancy Services Limited is an Indian multinational information technology service and consulting company headquartered in Mumbai, Maharashtra, India. TCS is conducting Faculty development Program referring to a range of activities that are perceived to help academicians in improving their professional skills that are vital for carrying out their teaching, research or administrative activities. Faculty Development Programs are conducted as per the recommendations of Industrial Experts to share the knowledge pertaining to the present industrial activities.

#### **b) Technical Description:**

FDP on “Open Source Technology” introduce faculty to open source software. Participants were provided with the insight of common open source software licenses, open source project structure, distributed team software development, and current events in the open source world. organizations work on an open source project and its significant contribution were discussed and also explained common open source licenses and the impact of choosing a licensed focussed on competent distributed software engineering tools and processes such as test-driven development, issues tracking, unit testing, code review, distributed version control, and continuous integration

  
Staff Coordinator

  
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### List of Participants

#### Department of Computer Engineering

##### Session on - "Open Source Platform"

By : Vashal Mehrotra is the Global Head - Open Source Platform, at Tata Consultancy Services

Date : 23/10/17

Sr. No	Staff Name	Signature
		Teaching Staff
1	Dr. Lata Ragha	NK
2	Ms. M. Karabika	
3	Mr. Anuroz S.	
4	Ms. Smita D.	Smita D.
5	Ms. Shweta E.	Shweta E.
6	Ms. Rakhi Kalantri	Rakhi Kalantri
7	Ms. Sandhya Pati	Sandhya Pati
8	Ms. Shagufa R.	
9	Ms. Kavita S.	
10	Ms. Dakshayani G.	Dakshayani G.
11	Mr. Mritunjay O.	
12	Mr. Rahul J.	
13	Ms. Padamshree	Ms. Padamshree

NK  
Dr. Lata Ragha

Staff Coordinator

HOD









# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

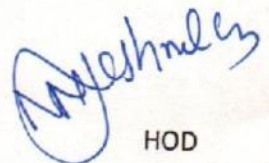
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### ACADEMIC YEAR 2017 - 2018

#### List of Events

Sr. No.	Name of FDP/STTP	Date	Coordinator/Convener
1.	FDP on Fundamentals of CAD & CAE using AutoDesk-Fusion 360	3 <sup>rd</sup> -5 <sup>th</sup> July, 2017	Ms. Suvarna R and Dr. Nilaj Deshmukh
2.	Orientation Program on Computer Aided machine Drawing	25 <sup>th</sup> July, 2017	Prof. N. Kshirsagar Dr. Nilaj Deshmukh
3.	Skill Development Program on ANSYS	5 <sup>th</sup> -7 <sup>th</sup> December, 2017	Dr. Nitin Satpute Prof. Kshirsagar Nanaji Prof. Praseed Kumar
4.	Four Days Hands on Training Program for students on Skill Development in Computer Aided Design (CAD), using "SOLIDEDGE"	20 <sup>th</sup> - 23 <sup>rd</sup> Dec, 2017	Mrs. Suvarna Rode
5.	Five Days Training Program on FEA using ANSYS Mechanical	26 <sup>th</sup> - 30 <sup>th</sup> December, 2017	Dr. Nitin Satpute Prof. Girish Dalvi
6.	One week STTP on "MEMS & Mechatronics"	2 <sup>nd</sup> -7 <sup>th</sup> January, 2018	Praseed K. Deepak D.
7.	Orientation Program on Industrial Electronics.	15 <sup>th</sup> January, 2018	Mr. Rajendra Soni

Staff Coordinator

  
HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

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### Event-1

## FDP on Fundamentals of CAD & CAE using AutoDesk-Fusion 360 3<sup>rd</sup> - 5<sup>th</sup> July, 2017

### Brochure

#### REGISTRATION FORM

NAME: \_\_\_\_\_

DESIGNATION: \_\_\_\_\_

DEPARTMENT: \_\_\_\_\_

INSTITUTE: \_\_\_\_\_

SUBJECTS TAUGHT: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

MOBILE NO: \_\_\_\_\_

EMAIL ID: \_\_\_\_\_

SIGN OF THE PARTICIPANT

SIGN AND SEAL OF THE COMPETENT  
AUTHORITY

#### REGISTRATION

No registration fees will be charged as the program is sponsored by AUTODESK. Scanned copy of a registration form is required to be sent in the prescribed format duly attested by the competent authority to [mechanical@fcrit.ac.in](mailto:mechanical@fcrit.ac.in). Maximum number of participants is limited and registration will be confirmed only after receipt of softcopy of the registration form. No TA/DA will be provided for attending this program.

#### ADDRESS

Co-ordinator, FDP  
Department of Mechanical Engineering,  
Agnel Technical Education Complex,  
Fr. C. Rodrigues Institute of Technology,  
Sector-9A, Vashi, Navi Mumbai,  
Maharashtra-400703

#### CO-ORDINATORS

Dr. Nilaj Deshmukh  
Dean (Faculty) & Associate Professor  
+91 9867167754  
Mrs. Suvarna Rode  
Assistant Professor  
+91 9920170373

#### CONVENER

Prof. T. Mathewlal  
HOD Mechanical Engg. Dept.

#### CHAIRMAN

Dr. S. M. Khat  
Principal  
F.C.R.I.T. Vashi



**AUTODESK.**

#### FACULTY DEVELOPMENT PROGRAMME

On

#### FUNDAMENTALS OF CAD & CAE USING AUTODESK - FUSION 360

Organized By  
Department of Mechanical  
Engineering,  
Fr. C. Rodrigues Institute of  
Technology, Vashi

Sponsored By

**AUTODESK.**

3<sup>rd</sup> - 5<sup>th</sup> July 2017

Experts from AUTODESK will  
conduct all the sessions

Staff Coordinator

HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

Sector - 9A, Vashi, Navi Mumbai - 400 703, INDIA.


Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### Brief Activity/Event Report

1. Name of the Activity/Event : FDP on Fundamentals of CAD & CAE using AutoDesk-Fusion 360
2. Activity/Event Venue & Date : 1<sup>st</sup> Floor Internet Lab (3<sup>rd</sup> to 5<sup>th</sup> January, 2017)
3. Nature of Participants : Faculty from different Engineering colleges.
4. Number of Participants : 28
5. Staff Coordinator : Ms. Suvarna R and Dr. Nilaj Deshmukh
6. Brief Summary of the Activity/Event (in maximum 500 words):
  - a) Objectives : Provide Knowledge of CAD-CAM and CAE using AutoDesk-Fusion 360
  - b) Technical Description :

FDP on Fundamentals of CAD & CAE using AutoDesk- Fusion 360 was conducted in different sessions through out three days of the program. FDP included explanation and hands on training on " basics of Fusion 360, 3D Part Design, Detailed Component Design, Fusion assembly, Free form Modelling, Product Documentation, Simulatio-Static stress, Thermal stress, Design Optimization, CAM, Global Competitions and Opportunities."
  - c) Outcome : Participants were able to
    - i. Understand the basics of AutoDesk-Fusion 360
    - ii. Get knowledge of different fields of CAD Modelling.
    - iii. Get knowledge of different fields of Simulation and Optimization.

  
Staff Coordinator

  
HOD





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### List of Participants

F.C.R.I.T. Vashi Navi Mumbai

Department of Mechanical Engineering

Faculty Development Programme, 3- 5 July 2017

Sr No.	Name	Email ID	Mobile Number
1	Mr. Shoaib Shaik	shoaib.shaik64@gmail.com	9769061276
2	Mr. Rajaram Ghutukade	rsggutukade@vishwanik.edu.in	8888006965
3	Mr. Rushikesh Khatavkar	rakhatavkar@vishwanik.edu.in	9158701803
4	Mr. Abhijeet Mandave	akmandave@vishwanik.edu.in	8306300405
5	Mr. Dharam V. Ranka	dharam.ranka@disco.ac.in	9773767119
6	Mr. Mohammed Jawed	ranka.rvd@gmail.com	9967546166
7	Mr. Atul N. Mesharam	jawed.bld@gmail.com	9323948596
8	Mr. Momin Mohammad Nafe	atulnmesharam@gmail.com	9860660053
9	Mr. Nawaz Irshad Motiwala	momin.mohammadnafa@gmail.com	9987843559
10	Ms. Pallavi Khaire	nawazmotiwala1989@gmail.com	9870119469
11	Ms. Suvarna Rode	pallavikhaire@yahoo.com	9920170373
12	Mr. Girish Dalvi	suvarna.rode@yahoo.com	8425900497
13	Mr. Akshay Koli	gpdalvi@gmail.com	8425050976
14	Mr. Manoj Kshirsagar	koliakshay17@gmail.com	9773217827
15	Ms. Sulekha Walunj	manoj_ksagar@rediffmail.com	9987130665
16	Mr. Pradip Kumar Pal	sulu1602@gmail.com	9431351650
17	Ms. Rashmi Gawai	pradippal@ternaengg.ac.in	7738992208
18	Mr. Sagar Gavhane	rashmigawai@ternaengg.ac.in	8425874574
19	Mr. Zeeshan Ahmad	sagargavhane111@gmail.com	9892132779
20	Ms. Geetha Subramanian	zeeshan.rcge@gmail.com	9892850207
21	Ms. Meera Kokate	geethaywh@gmail.com	9422815032
22	Mr. Sunny Sarraf	meera.kokate@gmail.com	9308992780
23	Ms. Shubhangi Gurav	fightersonny@gmail.com	9226961293
24	Ms. Padmini Pawar	gurav.shubhangi@gmail.com	9967337725
25	Mr. Shaikh Adnan Iqbal	rayatlotus@gmail.com	9937265039
26	Mr. Manishkumar Gadle	s.adnan1987@gmail.com	9730761757
27	Mr. Abdullah Ansari	mggadle@ausit.ac.in	9623120129
28	Mr. Pratik Mishraunkar	afamechanical@gmail.com	8097534553
		pratik.mhamunkar@gmail.com	

Staff Coordinator

HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

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## F.C.R.I.T. Vashi Navi Mumbai

### Department of Mechanical Engineering

Faculty Development Programme, 3- 5 July 2017

4/7/2017

Sr No.	Name	Institute	Sign
1	Prof. Omkar Jarali	GIT, Lavel, Ratnagiri	
2	Prof. Shoaib Shaik	SPIT, Mumbai	
3	Prof. Rajaram G.	VIMEET, Khalapur	
4	Prof. Rushikesh K.		
5	Prof. Abhijeet Mandave		
6	Prof. Dharam Ranka	D. J. Sanghvi College of Engineering	
7	Prof. Mohammed Jawed	Anjuman I Islam Kalsekar Technical Campus, New Panvel	
8	Prof. Atul Mesharam		
9	Prof. Momin Nafe		
10	Prof. Nawaz Motiwala		
11	Prof. Pallavi Khaire	FCRIT, Vashi	
12	Prof. Suvarna Rode		
13	Prof. Girish Dalvi		
14	Prof. Akshay Koli	Kohinoor Tech. Inst.	
15	Prof. Manoj Kshirsagar	Kerana college of Engg., Ner	
16	Prof. Suresh Walunj		
17	Prof. Pradipkumar Pal		
18	Prof. Rashmi Gawai	LTCOE	
19	Prof. Sagar Gavhane		
20	Prof. Zeeshan Ahmad		
21	Prof. Geetha Subramanian		
22	Prof. Meera Kokate		
23	Prof. Sunny Saraf	BVCOE	
24	Prof. Shubhangi Gurav		
25	Prof. Padmini Pawar.	A R Kalsekar Polytechnic, Panvel	
26	Prof. Shaikh Adnana Iqbal		
27	Prof. Manishkumar Gadha	A P Shah Institute of Technology	
28	Prof. Abdullah Ansari	PCE	
29	Prof. Pratik Mhamunkar		

Co-ordinator.

Staff Coordinator

HOD





**Fr. C. Rodrigues Institute of Technology, Vashi**

**Department of Mechanical Engineering**

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**Event-2**

**Orientation Program on Computer Aided machine Drawing  
25th July, 2017**

**Invitation**

**Fr.C.Rodrigues Institute of Technology, Vashi**

**Letter of Invitation**

Date: 24/07/2017

To  
The H.O.D.,  
Department of Mechanical/Automobile Engineering

**Subject:** Invitation for Course orientation meet on the course "Computer Aided Machine Drawing" on 25<sup>th</sup> July 2017 at 2:00 pm.

Dear Sir/Madam,

With reference to the schedule provided by University of Mumbai for course orientation meet of semester III Mechanical and Automobile Engineering, Fr. C. Rodrigues Institute of technology is organizing course orientation meet for the course "Computer Aided Machine Drawing" on 25<sup>th</sup> July 2017 at 2:00 pm.

We would like to invite your concern faculty to attend the same.

Thank You.

Regards,

H.O.D.

Mechanical Engineering,

Fr.C.Rodrigues Institute of Technology, Vashi

Invitation letters. were sent by E-mail

*[Signature]*

*[Signature]*  
Staff Coordinator

*[Signature]*  
HOD



# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

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University of Mumbai  
Board of Studies in Mechanical Engineering  
Schedule for Course Orientation Meet of Semester III Mechanical and Automobile Engineering

Sr #	Course Name and Code	Date	Organizing Institute	Resource Faculty	Coordinator and Contact Number
1	MEC301 Applied Mathematics III	Tentatively at MGM CoE Kamothe, Date and Time will be informed on Mathematics Teacher's WhatsApp group. The program will be common for Civil, Mechanical, Automobile and Production Engineering			
2	MEC302 Thermodynamics	29/07/2017 2 pm onwards	MES's Pillai College of Engineering, New Panvel	Prof Rashed Ali, PCE Prof Hemant Chavan, FAMT	Prof Rashed Ali 9892884530
3	MEC303 and MEL302 Strength of Materials	28/07/2017 2 pm onwards	LTCOE, Koparkhairane		Dr Kavita Dhanawade 9224410022
4	MEC304 Production Process I	28/07/2017 2 pm onwards	DJSCOE, Vileparle	Prof Frank Crasta	Dr K N Vijaykumar 9869363683
5	MEC305 and MEL303 Material Technology	29/07/2017 2 pm onwards	MES's Pillai College of Engineering, New Panvel	Dr Divya Padmanabhan	Dr Divya Padmanabhan 9322839587
6	MEL301 Computer Aided Machine Drawing	25/07/2017 2 pm onwards	FrCRIT, Vashi	Prof N Kshirsagar	Dr Nilaj Deshmukh 9867167754

*(Signature)*  
(Coordinator)

*(Signature)*  
Staff Coordinator

*(Signature)*  
HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

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### Brief Activity/Event Report

#### Fr.C.Rodrigues Institute of Technology, Vashi

#### Report on Subject Orientation Meet

Date: 25/07/2017

Venue: Class Room-101 (Fr.C.Rodrigues Institute of Technology)

Chairperson: Dr.S.M.Khot (Principal-FCRIT)

Members present: Dr. Nilaj Deshmukh (H.O.D.), Mr.Kshirsagar Nanaji (Coordinator), Ms. Pallavi Khaire, Mr. Bipin Mashilkar and 24 faculty from various engineering colleges (Attendance sheet is attached).

With reference to the schedule provided by University of Mumbai for course orientation meet of semester III Mechanical and Automobile Engineering, Fr. C. Rodrigues Institute of technology had organized course orientation meet for the course "Computer Aided Machine Drawing" on 25<sup>th</sup> July 2017 at 2:00 pm.

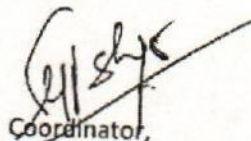
Agenda of meet was as follows:

- 1) Welcome Address by Dr. Nilaj Deshmukh.
- 2) Address by Dr. S. M. Khot.
- 3) Brief explanation of syllabus content by Mr. Kshirsagar N.
- 4) Questions and answers.

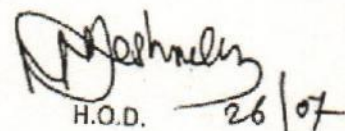
Following points were discussed in the meet:

- The syllabus content was briefly discussed.
- Dr.S.M.Khot explained the importance of introducing reverse engineering in the course content and how the subject content will make the students competent with industry requirements.
- Suggestions were taken from faculty of various engineering colleges. Few faculty members suggested that Sheet metal modelling and plastic modelling has to be added in the syllabus by compressing some content of solid modelling.

The course orientation meet ended at 4:15 pm.

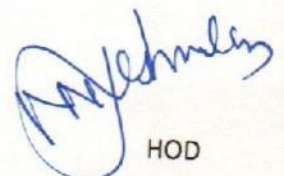
  
Coordinator,

Mr. Kshirsagar N.

  
H.O.D. 26/07

Dr. Nilaj Deshmukh

  
Staff Coordinator

  
HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### List of Participants

## Fr. C. Rodrigues Institute of Technology, Vashi

### Department of Mechanical Engineering

Course Orientation Meet, 25 July 2017

#### Attendance Sheet

Sr. No.	Name of the Faculty	Institute's Name	Contact No.	Email id	Sign.
1	Mr. Omkar Bhatkar	RMCE, Ambar	8007390954	om.bhatkar@rmcet.com	
2	Mr. Deepak Satsangi	DRJEMS, Neral	9833270371	deepakcontact123@gmail.com	
3	Mr. Vinod Chavan	St John's CE, Patghar	9977671375	avi.d.chavan@gmail.com	
4	Mr. V. S. Kumbhar	Pillai College	986943980	vkumbhar@gmail.com	
5	Mr. Shivaprasad P	Pillai College	9987271776	smuthusaudiprasad@gmail.com	
6	Amol Damodare	Bharat College	9026627939	adamodare@gmail.com	
7	Gaurav Chavre	LTCIE, Koparkhaimore	7721839495	gaurav.chavre@gmail.com	
8	Sagar Gauthare	LTCIE, Koparkhaimore	8425874574	sagargauthare11@gmail.com	
9	Pavani Nikam	VDGCE, Shahapur	9763532529	pavani.nikam@gmail.com	
10	SHAIKH TAUSEEF	VDGCE, Shahapur	8698272904	taushaikh007@gmail.com	
11	Mahesh Kavre	Terna Engg.	9821199339	maheshkavre@gmail.com	
12	R. V. Venigeri	" "	9869554910	raaviyenigeri@ternaengg.ac.in	
13	Mohammed Jawed	Kalsekar Tech	9961546166	jawed.bld@gmail.com	
14	Madhavi Chikane	PHCET, Ranayani	8652135216	madhavi@mai.ac.in	
15	V. N. Jayap	VCET Vasai	9970453741	vijayjayap52@gmail.com	
16	Vishwas Palve	VCET Vasai	9870300102	vishwas.palve@vnet.co.in	
17	G. P. Deshmukh	ACPCE Kharghar	9768100010	digvijay07@gmail.com	
18	Abhijit S. Chate	Terna Engg, Neral	9221490876	abhijitchate@gmail.com	
19	Smruti Kandam	APSIT, Thane	9619550706	smkandam2010@gmail.com	
20	Padmaji Sawant	BVCOE, Navi Mumbai	9961337725	royatlotus@gmail.com	
21	Sachin Oak	TCEI, Kandioli	9757104730	sachin.oak@thakureducation.org	
22	Mr. Azar. Bargie	SGOE, Kharghar	9595340580	azar.bargie@gmail.com	
23	A. H. Jagtap	MHSSCE, Yveli	9920858814	ahjagtap@gmail.com	
24	D. S. N. Reddy	MHSSCE, Yveli	8080233442	dsnrreddy2@gmail.com	
25					

Note:- Attendance certificates were given to all above faculty members

*(Signature)*  
26/07

*(Signature)*  
(Co-ordinators)

*(Signature)*  
Staff Coordinator

*(Signature)*  
HOD





**Fr. C. Rodrigues Institute of Technology, Vashi**

**Department of Mechanical Engineering**

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### Event-3

## Skill Development Program on ANSYS

5<sup>th</sup> -7<sup>th</sup> December, 2017

### Brief Activity/Event Report

**Fr. C. Rodrigues Institute of Technology, Vashi**

**"Skill Development Programme on ANSYS"**

December 5<sup>th</sup> to December 7<sup>th</sup>, 2017

Fr. C. Rodrigues Institute of Technology, Vashi conducted three days workshop on "Skill Development on ANSYS", organized by VJTI Mumbai under Share and Mentor (Margadarshan) Institutes Scheme of AICTE from December 5<sup>th</sup> to December 7<sup>th</sup>, 2017.

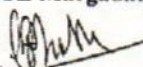
On Behalf of an Organizing Institute, anchor Prof. Kshirsagar N. G. welcomed all Participants and Guests. Programme was inaugurated with welcome speech by Dr. Nilaj Deshmukh, Head, Mechanical Engineering Department Fr CRIT Vashi. Followed by talk about Margadarshan Scheme by Dr. V.M. Phalle (Training and Placement officer and Margadarshan coordinator, Associate Professor VJTI Mumbai) and Dr. Vikram Patil (Principal, B. R. Hame college of engineering.). Dr. S. M. Khot Principal, Fr.CRIT Vashi highlighted the importance of faculty development programs in engineering practices. Vote of thanks gave by coordinator Dr. Nitin Satpute.

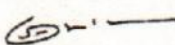
Total 10 Margadarshan colleges with 20 faculties participated in the workshop. Resource person Mr. Prasant Patil from ARK Info Solutions Pvt. Ltd. Pune conducted the training programme for entire 3 days. Sessions were including lectures and Hands-on practice on modeling and simulation using ANSYS workbench-18 platform. Participants enjoyed the sessions.

Valedictory ceremony was conducted on last day. Participants thanked for organizing this training workshop and suggested the need of similar programs in their institutes in future. Dr. S. M. Khot, Dr. Nilaj Deshmukh, Dr. V. M. Phalle (Margdarshan Coordinator VJTI) and Dr Sushil Thale Professor, Dean (R & D) at Fr. CRIT Vashi handed over the certificates to the participants.

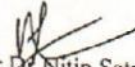
An overall co-ordinator Dr Sushil Thale on behalf of both institutes thanked organizing team for their efforts in successful conduction of the programme.

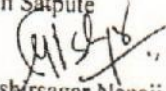
#### AICTE Margadarshan Scheme

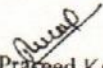
  
Dr. V. M. Phalle  
(Margadarshan coordinator, Associate  
Professor VJTI Mumbai)

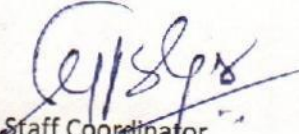
  
Dr Sushil Thale  
Professor, Dean (R & D) at Fr. CRIT Vashi

#### Conduction Team

  
Coordinator Dr. Nitin Satpute

  
Prof. Kshirsagar Nanaji G

  
Prof. Praseed Kumar

  
Staff Coordinator

  
HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

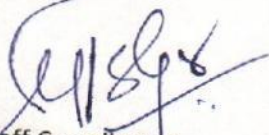
## Department of Mechanical Engineering

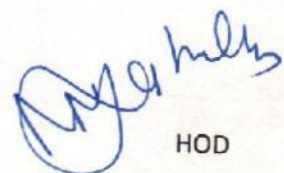
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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### Brief Activity/Event Report

- 1) Name of the Activity/Event : Skill Development Programme on ANSYS- (5<sup>th</sup> -7<sup>th</sup> Dec 2017)
- 2) Activity/Event Venue & Date : CAD/CAM Lab - 1<sup>st</sup> Floor New Building
- 3) Nature of Participants : Students and faculty from 10 Margadarshan colleges.
- 4) Number of Participants : 20 (3 faculty members from FCRI, Vashi)
- 5) Staff Coordinator : Dr. Nitin Satpute, Prof. Kshirsagar Nanaji G and Prof. Praseed Kumar
- 6) Brief Summary of the Activity/Event (in maximum 500 words):
  - a) Objectives : Provide platform and training for developing skills on ANSYS.
  - b) Technical Description :

The skill development programme was conducted by resource person Mr. Prashant Patil from ARK Infosolutions Pvt. Ltd Pune. The three days training program was divided into different sessions covering lectures and hands on training practice on modeling and simulation using ANSYS workbench-18 platforms.
  - c) Outcomes : Participants were able to
    - i. Understand the basics of ANSYS.
    - ii. Develop Modeling skills using ANSYS 18 platform.
    - iii. Develop simulation skills using ANSYS.

  
Staff Coordinator

  
HOD





*Fr. C. Rodrigues Institute of Technology, Vashi*







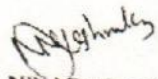
**Department of Mechanical Engineering**

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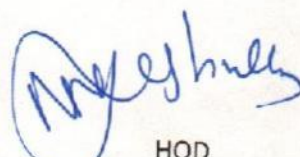
Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

**List of Participants**

	<p><b>Veermata Jijabai Technological Institute (VJTI)</b> (Matunga, Mumbai-400019)</p>	
	<p>in association with <b>Fr. C. Rodrigues Institute of Technology</b> (Vashi, Navi Mumbai-400703)</p>	
<p><b><u>CERTIFICATE OF APPRECIATION</u></b></p>		
<p>This is to certify that <u>Prof. Nitin Satpute</u> of <u>F.C.R.I.T., Navi Mumbai</u> has worked as coordinator for conducting three days workshop on "ANSYS SKILL DEVELOPMENT PROGRAM" under "SHARE AND MENTOR INSTITUTIONS (MARGDARSHAN) SCHEME" of AICTE conducted by Veermata Jijabai Technological Institute and Fr. C. Rodrigues Institute of Technology, from 5<sup>th</sup> to 7<sup>th</sup> December 2017.</p>		
 <b>Dr. S.M. Khot</b> Principal, FCRIT	 <b>Dr. V. M. Phalle</b> Margdarshan Coordinator, VJTI	 <b>Dr. Sushil Thale</b> Margdarshan Coordinator, FCRIT
		 <b>Dr. Nilaj Deshmukh</b> HOD-Mech, FCRIT

  
Staff Coordinator

  
HOD



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**Veermata Jijabai Technological Institute (VJTI)**

(Matunga, Mumbai-400019)

in association with


**Fr. C. Rodrigues Institute of Technology**

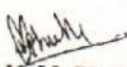
(Vashi, Navi Mumbai-400703)




**CERTIFICATE OF APPRECIATION**

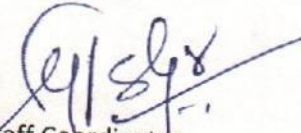
This is to certify that Prof. Praseed Kumar of F.C.R.I.T., Navi Mumbai has conducted three days workshop on "ANSYS SKILL DEVELOPMENT PROGRAM" under "SHARE AND MENTOR INSTITUTIONS (MARGDARSHAN) SCHEME" of AICTE conducted by Veermata Jijabai Technological Institute and Fr. C. Rodrigues Institute of Technology, from 5<sup>th</sup> to 7<sup>th</sup> December 2017.

  
**Dr. S.M. Khot**  
Principal, FCRIIT

  
**Dr. V. M. Phalle**  
Margdarshan Coordinator, VJTI

  
**Dr. Sushil Thale**  
Margdarshan Coordinator, FCRIIT

  
**Dr. Nilaj Deshmukh**  
HOD-Mech, FCRIIT

  
Staff Coordinator

  
HOD





**Fr. C. Rodrigues Institute of Technology, Vashi**

**Department of Mechanical Engineering**

Sector - 9A, Vashi, Navi Mumbai - 400 703, INDIA.

Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)



**Veermata Jijabai Technological Institute (VJTI)**

(Matunga, Mumbai-400019)

in association with


**Fr. C. Rodrigues Institute of Technology**


(Vashi, Navi Mumbai-400703)

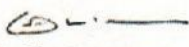


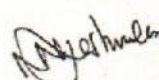
**CERTIFICATE OF APPRECIATION**

This is to certify that Prof. Kshirsagar Nanaji of F.C.R.I.T., Navi Mumbai has conducted three days workshop on "ANSYS SKILL DEVELOPMENT PROGRAM" under "SHARE AND MENTOR INSTITUTIONS (MARGDARSHAN) SCHEME" of AICTE conducted by Veermata Jijabai Technological Institute and Fr. C. Rodrigues Institute of Technology, from 5<sup>th</sup> to 7<sup>th</sup> December 2017.

  
**Dr. S.M. Khot**  
Principal, FCRIT

  
**Dr. V. M. Phalle**  
Margdarshan Coordinator, VJTI

  
**Dr. Sushil Thale**  
Margdarshan Coordinator, FCRIT

  
**Dr. Nilaj Deshmukh**  
HOD-Mech, FCRIT

  
Staff Coordinator

  
HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

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### Event-4

## Four Days Hands on Training Program for students on Skill Development in Computer Aided Design (CAD), using "SOLIDEDGE"

(20<sup>th</sup> - 23<sup>rd</sup> Dec, 2017)

### Brochure/Invitation

Four Days Hands on Training  
Program for Students,  
On  
Skill Development in  
Computer Aided Design (CAD),  
Using "SOLID EDGE"

#### REGISTRATION FORM

Name: \_\_\_\_\_

Mobile Number: \_\_\_\_\_

Email ID: \_\_\_\_\_

Department/Branch: \_\_\_\_\_

Semester: \_\_\_\_\_

Institute: \_\_\_\_\_

Institute Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SIGN OF THE PARTICIPANT

#### REGISTRATION

Registration fees of Rs.1200/- per student will be charged for the program. The fee is to be paid through a Cheque in favour of "Milestone Technologies". Scanned copy of a registration form is required to be sent in the prescribed format to [mechanical@fcrit.ac.in](mailto:mechanical@fcrit.ac.in). Maximum number of participants is limited to 25 and registration will be confirmed only after receipt of Cheque and softcopy of the registration form.

#### ADDRESS

Co-ordinator,  
Department of Mechanical Engineering,  
Agnel Technical Education Complex,  
Fr. C. Rodrigues Institute of Technology,  
Sector-9A, Vashi, Navi Mumbai,  
Maharashtra-400703

#### CO-ORDINATOR

Mrs. Suvarna Rode  
Assistant Professor  
+91 9920170373

#### CONVENER

Dr. Nilaj Deshmukh  
HOD Mechanical Engg. Dept. & Dean (Faculty)  
F.C.R.I.T. Vashi

#### CHAIRMAN

Dr. S. M. Khot  
Principal  
F.C.R.I.T. Vashi



Four Days Hands on Training  
Program for Students,

On

Skill Development in  
Computer Aided Design (CAD),  
Using "SOLID EDGE"

20<sup>th</sup> - 23<sup>rd</sup> December, 2017

Organized by

Agnel Charities,

Fr. C. Rodrigues Institute of  
Technology

Mechanical Engineering Department  
Vashi, Navi Mumbai.

In coordination with

"Milestone Technologies"

MILESTONE INSTITUTE OF TECHNOLOGY

Staff Coordinator

HOD





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### **Brief Activity/Event Report**

1. Name of the Activity/Event : Four Days Hands on Training Program for students on Skill Development in Computer Aided Design (CAD), using "SOLIDEDGE"
2. Activity/Event Venue & Date : CAD/CAM Lab (20<sup>th</sup> - 23<sup>rd</sup> Dec, 2017)
3. Nature of Participants : Students and faculty from different engineering colleges.
4. Number of Participants : 10
5. Student Coordinator : Mrs. Suvarna Rode
6. Staff Coordinator : Mrs. Suvarna Rode
7. Brief Summary of the Activity/Event (in maximum 500 words):
  - a) Objectives : To enhance the skills of Engineering students in the field of CAD using SOLIDEDGE Software.

b) **Technical Description** :

The skill development programme was conducted in collaboration with Milestone Technologies, Vashi. The training program included hands on training sessions on SOLIDEDGE software. Different topics like Geometrical Modelling, assembly and drafting using SOLIDEDGE Software we covered during the four days training program.

- c) **Outcomes** : Participants were able to
- i. Understand the basics of Modeling using SOLIDEDGE.
  - ii. Develop Geometrical Modeling skills using SOLIDEDGE.
  - iii. Develop assembly and drafting skills using SOLIDEDGE.

Staff Coordinator

HOD





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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### List of Participants

#### Agnel Charitie's Fr. C. Rodrigues Institute of Technology Mechanical Engineering Department

Training Program for students on Skill Development in Computer Aided Design (CAD), Using  
"SOLID EDGE" (20-12-17 to 23-12-17)

Attendance sheet

Sr. No.	Name	20-12-2017	21-12-2017	22-12-2017	23-12-2017
1	Joel Thomas	Joel	Joel	Joel	Joel
2	Prabhav Jayaprakash	Prabhav	Prabhav	Prabhav	Prabhav
3	Steven S. Pereira	Steven	Steven	Steven	Steven
4	Remju Jose	Remju	Remju	Remju	Remju
5	Abraar Upadhye	Abraar	Abraar	Abraar	Abraar
6	Aditya Shende	Aditya	Aditya	Aditya	Aditya
7	Rohan John	Rohan	Rohan	Rohan	Rohan
8	Jeswin Emmanuel	Jeswin	Jeswin	Jeswin	Jeswin
9	Ajintya Kulkarni	Ajintya	Ajintya	Ajintya	Ajintya
10	Alex Aaron Ruban	Alex	Alex	Alex	Alex

Suvarna Rode.  
Co-ordinator.

Staff Coordinator

HOD





**Fr. C. Rodrigues Institute of Technology, Vashi**

**Department of Mechanical Engineering**

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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### Event-5

## Five Days Training Program on FEA using ANSYS Mechanical 26<sup>th</sup> - 30<sup>th</sup> December, 2017

### Invitation

26<sup>th</sup> - 30<sup>th</sup> Dec. 2017

Agnel Charities

**Fr. C. Rodrigues Institute of Technology,  
Vashi, Navi-Mumbai**

Finite Element Analysis using ANSYS Mechanical APDL

Course Curriculum (Duration: 40 Hrs.)

ANSYS includes a tools of engineering simulation software for engineers and designers to virtually analyze how their products work in real world environment, at an early stage of product design. ANSYS software is being used across a wide range of industries to analyze various performance parameters such as mechanical failure, vibration analysis, thermal analysis and electromagnetic interference.

#### COURSE CONTENT

##### Chapter 1:


- Introduction to the Finite Element Method.
- General Steps of the Finite Element Method.
- Explanation of 1D, 2D and 3D Elements with examples of ANSYS Elements.
- Enlisting different FEM methods and detailed explanation of any one.
- Derivation of stiffness matrix equation.
- Types of analysis that can be done using ANSYS. Advantages and limitations of FEA.
- Introduction to the ANSYS GUI and operational modes, convergence criteria.

##### Chapter 2 (with command prompt and GUI):

- Using Pan-Zoom-Rotate commands
- Understanding co-ordinates systems used.
- 2D and 3D modeling operations.
- Working with Boolean operations, working Plane, importing of 3D models.

##### Chapter 3 (with command prompt and GUI):

- Different elements used and their attributes

  
Staff Coordinator

  
HOD





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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

- Free, mapped and hybrid meshing, submodeling.
- Mesh extrusion, volume sweeping
- Material Properties- Material library and specifying properties
- Applying boundary conditions and different types of loads
- Solving Multiple Load Steps

### Chapter 4 (with command prompt and GUI):

- Post-processing, contour plot viewing, path operations
- Estimating solution error, time history postprocessor

### Exercise and case studies on the following types of analysis;

- |                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| ➤ Static structural analysis            | ➤ Coupled thermal and structural analysis |
| ➤ Axisymmetric and symmetric load cases | ➤ Transient analysis                      |
| ➤ Modal Analysis, Harmonic analysis     | ➤ Non-Linear Analysis                     |
| ➤ Coupling & Constraint Equations       | ➤ Optimization                            |
| ➤ Electromagnetics                      | ➤ Active vibration control                |

Dates for training : 26.12.2017 to 30.12.2017

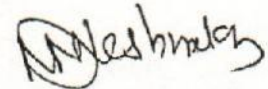
Time : 8.30 am to 5.30 pm


Course fees : 2500/- per student (Includes tea and snacks)

Interested students may please contact Prof. (Dr.) Nitin Satpute (99309 35860) / Prof. Girish Dalvi (8425900497) for the enrolment.

A Certificate will be awarded to participants upon success completion of the training programme.

  
Prof. Nitin Satpute

  
Prof. (Dr.) Nilaj Deshmukh  
Head-Mechanical Engineering Department

  
Staff Coordinator

  
HOD





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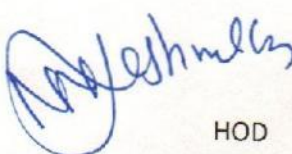
Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### Brief Activity/Event Report

1. Name of the Activity/Event : Five Days Training Program on FEA using ANSYS Mechanical
2. Activity/Event Venue & Date : CAD/CAM Lab (26<sup>th</sup>- 30<sup>th</sup> Dec 2017)
3. Nature of Participants : Students and faculty from different engineering colleges
4. Number of Participants : 04
5. Student Coordinator : Dr. Nitin Satpute and Prof. Girish Dalvi
6. Staff Coordinator : Dr. Nitin Satpute and Prof. Girish Dalvi
7. Brief Summary of the Activity/Event (in maximum 500 words):
  - a) Objectives : To understand basics of Finite Element Analysis and apply ANSYS Mechanical APDL to solve different engineering problems.
  - b) Technical Description :

The training program included lectures on the basics of Finite Element Analysis and Hands on training using ANSYS Mechanical APDL. The 40 hours training program was divided into different sessions topics like 2D and 3D modeling operations, Boolean operations, Working plane, Importing of 3D models, different elements used and their attributes, free, mapped and hybrid meshing, submodeling, mesh extrusion, volume sweeping, and post processing. Finally, exercises and case studies on structural and thermal problems were performed.
  - d) Outcomes : Participants were able to
    - i. Understand the basics of Finite Element Analysis.
    - ii. Develop Modeling skills using ANSYS Mechanical APDL.
    - iii. Develop simulation skills using ANSYS Mechanical APDL.

  
Staff Coordinator

  
HOD



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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### List of Participants

**Fr. C. Rodrigues Institute of Technology**

(Vashi, Navi Mumbai-400703)

**Mechanical Engineering Department**

Course attendance for Finite Element Analysis using ANSYS

Dates: 26.12.2017 to 30.12.2017

Duration: 8.30 - 5.30 (40 Hours)

Sr. No.	Name	26.12.17	27.12.17	28.12.17	29.12.17	30.12.17
1	ADITYA NAIKDHURE					
2	ADITYA NAIR					
3	AJITH NAIR					
4	Prof. Kunal J Padalkar, RAIT, Nerul					

Course Coordinator

Head-MED

Staff Coordinator

HOD





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### Event-6

## One Week Short Term Training Program (STTP) on "Micro Electro-Mechanical Systems (MEMS) and Mechatronics"

(2<sup>nd</sup> - 7<sup>th</sup> January, 2018)

### Brochure/Invitation

#### REGISTRATION FORM

Name (in Block Letter): (Mr./Mrs./Ms./Dr.) \_\_\_\_\_

Designation: \_\_\_\_\_

Educational Qualification: \_\_\_\_\_

Organization: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Telephone \_\_\_\_\_

Office: \_\_\_\_\_

Mobile: \_\_\_\_\_

Email: \_\_\_\_\_

DD No. and date: \_\_\_\_\_

Registration fees : Rs. 3000/-

Accommodation required in Campus:  
YES/NO

Signature of Candidate: \_\_\_\_\_

Seal and Signature of Sponsoring  
Authority

#### Rules and Regulations

- 30 Seats have been allotted for this Training Program and will be filled on First Come basis.
- Scanned copy of completed Registration forms are required to be sent in the prescribed format duly attested by the competent authority will need to be submitted to Coordinators email as mentioned before December 20, 2017.
- The fees can be paid either through Demand Draft (in favour of "Fr. C. Rodrigues Institute of Technology" payable at Navi Mumbai) or online banking (Name of the Beneficiary: FCRIIT, A/C No. 039601000007942, IFS Code IOBA0000596, Indian Overseas Bank, Vashi).
- The registration fee (Rs.3000/-) covers training program kit, STTP participation certificate, refreshments and lunch.
- Accommodation for the participants can be arranged at Institute Hostel on request.
- Kindly contact Program Coordinators for any further enquires.
- Institute Address: Fr. C. Rodrigues Institute of Technology, Agnel Technical Education Complex, Sector 9A, Vashi, Navi Mumbai, Maharashtra, Pin: 400703. Phone: +91-22-41611000, Fax: +91-22-41611025, Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)



Agnel Charities  
Fr. C. Rodrigues Institute of  
Technology, Vashi, Navi Mumbai  
Mechanical Engineering Department

One Week Short Term  
Training Program (STTP) on  
Micro Electro-Mechanical  
Systems (MEMS) and  
Mechatronics  
(2<sup>nd</sup> - 7<sup>th</sup> January, 2018)

#### Chief Patron

Dr. S. M. Khot  
Principal

#### Convener

Dr. Nilaj Deshmukh  
HOD & Dean (Faculty)

#### Coordinators

Praseed Kumar  
Assistant Professor  
Deepak Devasagayam  
Assistant Professor

Staff Coordinator

HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

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### STTP Overview

The Mechanical Engineering Department of Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai is organizing a One Week Short Term Training Program (STTP) on **Micro Electro-Mechanical Systems (MEMS) and Mechatronics** on 2<sup>nd</sup> - 7<sup>th</sup> January, 2018. The Training Program will comprise of lectures by experts from leading Institutions, Research Organizations, and Industries. The information disseminated through this technical interaction will expose the newcomers and knowledge seekers to the advancements in latest technologies in these fields. The program will also include a one day visit to MEMS Laboratory at IIT Bombay, to facilitate participants, to get an overview of current research being undertaken, at highest level in the nation. The program is open to Faculty members and students pursuing Ph.D. to further enhance their knowledge in the field of MEMS and Mechatronics.

### Resource Persons

#### Session Speakers:

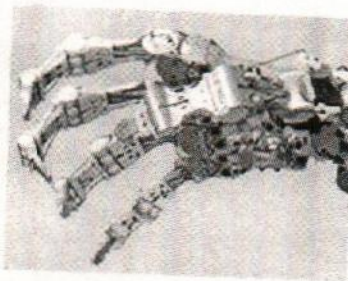
Dr. P. S. Gandhi, IIT Bombay  
Dr. Nitin Kale, IIT Bombay  
Dr. K. P. Karunakaran, IIT Bombay  
Dr. Suhas Deshmukh, Sinhgad, Pune  
Dr. Kiran Bhole, SPCE, Andheri  
Dr. Nilaj Deshmukh, Fr.CRIT

#### Company Sponsors:

SMC Pneumatics (India) Pvt. Ltd.  
SAGE Automation

#### Program Coordinators:

Praseed Kumar, Assistant Professor,  
9324562101, [praseedkumar@fcrit.ac.in](mailto:praseedkumar@fcrit.ac.in)  
Deepak Devasagayam, Assistant  
Professor, 9920827263, [d.deepak@fcrit.ac.in](mailto:d.deepak@fcrit.ac.in)



### Institute Profile

Fr. C. Rodrigues Institute of Technology was established in 1994 in the heart of Navi Mumbai, Vashi, as a part of Agnel Technical Education Complex. The main aim of the Institute is to provide quality technical education in addition to inculcating moral values in its students. The College has been granted Religious minority status. The college prides on being one of few that has accreditation for all five branches vide file no. 28-41/2010-NBA dated 14.11.2012. Our Institute has been ranked between the top 150-200 engineering colleges in India, according to NIRF (National Institute Ranking Framework). This ranking has been given to only three private colleges in the Mumbai city.



### Brief Activity/Event Report

1. Name of the Activity/Event : One week STTP on "MEMS and Mechatronics"
2. Activity/Event Venue & Date : Measurement Lab, CNC Lab (2<sup>nd</sup> -7<sup>th</sup> January, 2018)
3. Nature of Participants : Students and faculty members from different Engineering colleges.
4. Number of Participants : 14
5. Student Coordinator : Praseed Kumar and Deepak D.
6. Staff Coordinator : Praseed Kumar and Deepak D.
7. Brief Summary of the Activity/Event (in maximum 500 words):
  - a. Objectives : Provide Knowledge of MEMS and Mechatronics and

Staff Coordinator

HOD





# *Fr. C. Rodrigues Institute of Technology, Vashi*

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related fields.

### **b. Technical Description :**

One week STTP on "**MEMS and Mechatronics**" was focused on providing basic understanding as well as develop skills in various sections of MEMS and Mechatronics. The STTP was focused on topics like Microfabrication, Nanosniff, CNC Machines Microlithography, Visual Instrumentation, Automation and Rapid Prototyping.

### **c. Outcomes :** Participants were able to

- i. Understand the basics of MEMS and Mechatronics.
- ii. Develop skills on Virtual Instrumentation and CNC Machines.
- iii. Get knowledge of different fields like Microfabrication, Automation and Rapid Prototyping.

Staff Coordinator

HOD



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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### List of Participants

#### MEMS & Mechatronics STTP - Participants List

Date:  
Time:

Sr. no.	Name	Institute	Designation	Phone No.	Email	Sign
1	Nafees Ahmed Khan	M.H. Saboo Siddik College of Engg.	Assistant Professor	9821636217	<a href="mailto:nafeeskhan89@gmail.com">nafeeskhan89@gmail.com</a>	Kt Khan
2	Dabir Shahab Ahmed Hanif	M.H. Saboo Siddik College of Engg.	Assistant Professor	9821446846	<a href="mailto:shahabdabir@yahoo.in">shahabdabir@yahoo.in</a>	SD Hanif
3	Shoaib Shaik	SPIT, ANDHERI	Assistant Professor	9769061276	<a href="mailto:shoaib.shaik64@gmail.com">shoaib.shaik64@gmail.com</a>	Shoaib Shaik
4	Ameya Pradeep Nijasure	Pillai College of Engg.	Assistant Professor	8097652234	<a href="mailto:npradeep@mes.ac.in">npradeep@mes.ac.in</a>	Ameya
5	Ajinkya Kulkarni	FCRIT	Masters Student	9082756400	<a href="mailto:ajinkyak1986@gmail.com">ajinkyak1986@gmail.com</a>	Ajinkya
6	Nitin Nandeshwar	Terna College of Engg.	Assistant Professor	9930327579	<a href="mailto:nitinandeshwar@ternaengg.ac.in">nitinandeshwar@ternaengg.ac.in</a>	Nitin Nandeshwar
7	Dipti Agrawal	Datta Meghe College of Engg	Assistant Professor	9665124488	<a href="mailto:diptiagrwal@gmail.com">diptiagrwal@gmail.com</a>	Dipti Agrawal
8	Nawaz Irshad Motiwala	Katsekar Khalsekar College of Engg.	Assistant Professor	9987843559	<a href="mailto:nawazmotiwala1989@gmail.com">nawazmotiwala1989@gmail.com</a>	Nawaz
9	Santosh Chauhan	FCRIT	Assistant Professor	9892331500	<a href="mailto:santosh.jnc@gmail.com">santosh.jnc@gmail.com</a>	Santosh
10	Shamim Pathan	FCRIT	Assistant Professor	9220055866	<a href="mailto:shamim.pathan@fcrit.ac.in">shamim.pathan@fcrit.ac.in</a>	Shamim
11	Chetan S. Baviskar	Fr. Agnel Polytechnic	Lecturer	7709310426	<a href="mailto:chetanbaviskar11@gmail.com">chetanbaviskar11@gmail.com</a>	Chetan
12	Amol B. Suryavanshi	Fr. Agnel Polytechnic	Lecturer	9029504966	<a href="mailto:amol Suryavanshi1987@yahoo.com">amol Suryavanshi1987@yahoo.com</a>	Amol
13	Suvarchala M.	Fr. Agnel Polytechnic	Lecturer	227661924	<a href="mailto:mail2motukuru@gmail.com">mail2motukuru@gmail.com</a>	Suvarchala
14	Suchito Kodam	RAIT	Assist Prof	900466500	<a href="mailto:ssuchitokodam">ssuchitokodam</a>	Suchito
15						

Staff Coordinator

HOD





*Fr. C. Rodrigues Institute of Technology, Vashi*

**Department of Mechanical Engineering**

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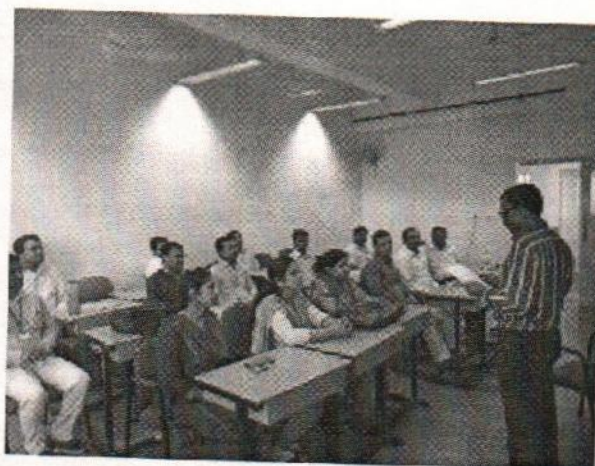
Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

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### Activity / Event Photographs



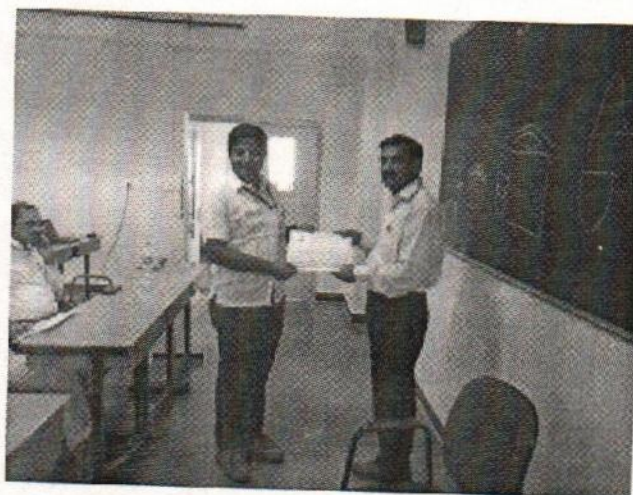
*Inauguration function  
(Date: 02/01/2018)*



*Program co-ordinator addressing  
the participants  
(Date: 03/01/2018)*



*Certificate distribution by the HOD  
(Dr. Nilaj Deshmukh)  
(Date: 07/01/2018)*



*Group photo of participants,  
co-ordinators and convener  
(Date: 07/01/2018)*

Staff Coordinator

HOD





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**Event-7**

**Orientation Program on Industrial Electronics  
15<sup>th</sup> January, 2018**

**Invitation**



**Fr. C. Rodrigues Institute of Technology**  
Agnel Technical Education Complex, Sector - 9A, Vashi, Navi Mumbai - 400703, INDIA  
Telephone: 022 - 27771000 FAX: 022 - 27660619  
Email: [principal@fcrit.ac.in](mailto:principal@fcrit.ac.in) Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

Date: 12/01/2018

Dear Sir/Madam

You are cordially invited to the Orientation Programme for the subject of **Industrial Electronics** (Mechanical Engineering Semester - IV CBCGS) on Monday 15<sup>th</sup> January 2018 at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai. The program will commence at 1 30 pm. Kindly attend or depute appropriate staff for the same

Kindly be present to make the Orientation Programme more interactive and informative. This will help the staff to deliver the contents of syllabus both theoretically and practically in a well-defined manner and students will be benefited to the maximum extent

Please register for the orientation by sending mail or sms to undersigned

Thank You.

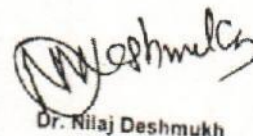
Venue: Classroom AX-111, first floor (New Building)

  
Mr. Rajendra Soni

Coordinator

Contact: 8097945451

Email: [rajendra.soni@fcrit.ac.in](mailto:rajendra.soni@fcrit.ac.in)

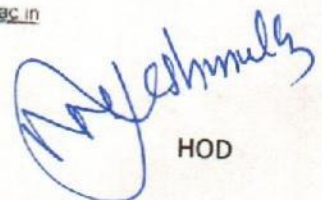
  
Dr. Nilaj Deshmukh

HOD Mechanical

Contact: 9867167754

Email: [nilaj.deshmukh@fcrit.ac.in](mailto:nilaj.deshmukh@fcrit.ac.in)

Staff Coordinator

  
HOD





**Fr. C. Rodrigues Institute of Technology, Vashi**  
**Electronics and Telecommunication Engineering Department**

Sector - 9A, Vashi, Navi Mumbai - 400 703, INDIA.  
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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

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**ACADEMIC YEAR 2017 - 2018**

**List of Events**

Sr. No.	Name of FDP/STTP	Date	Coordinator/Convener
1.	One Days FDP on "Machine Learning"	26 <sup>th</sup> - June, 2018	Ms. Amruta P.

  
Staff Coordinator

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HOD



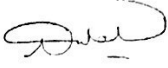
**Fr. C. Rodrigues Institute of Technology, Vashi**  
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**Event-1**  
**One Days FDP on "Machine Learning"**  
**26<sup>th</sup> June, 2018**

**Brief Activity/Event Report**

1. **Name of the Activity/Event** : Faculty development program on Machine Learning.
2. **Activity/Event Venue & Date** : AX502, 26<sup>th</sup> June 2018
3. **Nature of Participants** : Staff of Electronics and Telecommunication
4. **Number of Participants** : 11
5. **Staff Coordinator** : Ms. Amruta Babarekar
6. **Brief Summary of the Activity/Event (in maximum 500 words):**
  - a. **Objectives** : The objective of this session is to have an overview of various softwares used in Machine learning.
  - b. **Technical Description** : Staff Training workshop titled "Machine Learning" was conducted on 26<sup>th</sup> June 2018 for faculty members of Electronics & Telecommunication Engineering department at Fr. C. Rodrigues Institute of Technology, Vashi.  
  
The resource person was Dr. Vijay K. Singh, Associate Professor, SIES, Nerul. The workshop was aimed at training faculty members in Machine learning for performing simulations in python using Anaconda software. Around eleven teachers participated this workshop. In the lab session, machine learning for hand-written digit recognition was covered.
  - c. **Outcomes** : Staff members were able to write few programs on Jupyter notebook, run the programs, decode it and get necessary outputs. They will be able to implement in their respective courses, curriculum in an effective manner. This workshop has resulted in mapping PO1 (Knowledge) and PO12 (Life-long learning). Based on technical evaluation after the workshop, the attainment level obtained was 3.
  - d. **Summary of Feedback** : It would be better if we have more days to the hands on sessions.
  - e. **Action to be Taken based on Feedback**: The feedback from staff members have been noted.

  
Staff Co-ordinator

  
HOD

  
Staff Coordinator

  
HOD





**Fr. C. Rodrigues Institute of Technology, Vashi**  
**Electronics and Telecommunication Engineering Department**

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**List of Participants**

**Morning**

**Date: 26/06/2018**

**Staff Training Workshop on "Machine Learning"**

Sr. No.	Staff Name	Signature
1	Dr. Lalit Shah	Ab
2	Dr. Arjun	Ab
3	Mrs. Sadhana Pai	Sadhana Pai
4	Ms. Megha Kolhekar	Ab
5	Ms. Savitha Upadhyay	Ms.
6	Ms. Pushpa U. S.	Pushpa
7	Ms. Smita Chopde	Smita Chopde
8	Ms. Pranali Choudhari	P
9	Mr. Ashish Harsola	Ab
10	Ms. Nilashree Waghmare	Nilashree
11	Mr. Yogesh Chandekar	Yogesh
12	Ms. Smita Wande	Smita
13	Ms. Anita Jadhav	Anita
14	Ms. Manita Rajput	Ab
15	Ms. Sneha Desai	Sneha
16	Mrs. Anuradha Pabarikar	Anuradha
17	Ms. Sneha B. Wankar	Sneha
18	Mr. Jatin Desai	Jatin
19	Mr. Vijay Sateve	Ab
20	Ms. Sakala Nair	Sakala
21	Mr. Santosh M.	Ab
22	Mr. Sameer Jadhav	Ab
23	Mr. Prashant	Prashant

  
Staff Coordinator.

  
HOD



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Afternoon

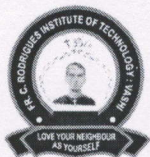
**Staff Training Workshop on "Machine Learning"**

Sr. No.	Staff Name	Signature
1	Dr. Rahul Shah	Ab
2	Dr. Ayar	Ab
3	Mrs. Sadhana Patil	<i>[Signature]</i>
4	Mrs. Megha Kolbekar	Ab
5	Mrs. Savitha Upadhyay	<i>[Signature]</i>
6	Mrs. Pashpa U. S.	Ab
7	Mrs. Smita Chopde	<i>[Signature]</i>
8	Mrs. Pranali Choudhari	<i>[Signature]</i>
9	Mr. Ashish Harsole	Ab
10	Ms. Nilashree Walunde	<i>[Signature]</i>
11	Mr. Yogesh Chandurkar	<i>[Signature]</i>
12	Ms. Kamta Hande	<i>[Signature]</i>
13	Ms. Anita Jain	<i>[Signature]</i>
14	Ms. Manita Pujari	Ab
15	Ms. Sreedevi Nair	<i>[Signature]</i>
16	Mrs. Anuradha Bhatnagar	<i>[Signature]</i>
17	Mrs. Sneha Revankar	<i>[Signature]</i>
18	Mr. Jatin Desai	Ab
19	Mr. Vijay Satoive	Ab
20	Ms. Sneha Nair	Ab
21	Mr. Santosh M.	Ab
22	Mr. Sameer J. Shah	Ab
23	Mr. Prashant	Ab

*[Signature]*  
Staff Coordinator

881  
HOD





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Electrical Engineering**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

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### **List of Activities (2017-18)**

<b>Sr. No.</b>	<b>Name of the Activity/Event</b>	<b>Duration</b>	<b>No. of days</b>	<b>Staff Incharge</b>
1	ISTE approved one-week short term training Programme on "ELECTRIC AND HYBRID ELECTRIC VEHICLE TECHNOLOGY" organized by Department of Electrical Engineering, FCRIT, Vashi	June 18 <sup>th</sup> -23 <sup>rd</sup> , 2018	6	Rashmi K.

*B. Indus*

*B. Indus*



# Short Term Training Programme on

## "ELECTRIC AND HYBRID ELECTRIC VEHICLE TECHNOLOGY"

### REGISTRATION FORM

Name : \_\_\_\_\_

Age : \_\_\_\_\_

Designation : \_\_\_\_\_

Institute/Industry: \_\_\_\_\_

Mailing Address : \_\_\_\_\_

\_\_\_\_\_

Tel. No : \_\_\_\_\_

e-Mail : \_\_\_\_\_

Qualification : \_\_\_\_\_

Experience : \_\_\_\_\_

ISTE Membership No.: \_\_\_\_\_

Accommodation required : YES/NO

I agree to abide by rules and regulations governing the above STTP.

Date: \_\_\_\_\_ Signature of applicant

Recommendation of Employer

The applicant will be permitted to participate in the above program, if selected.

Date:

Signature  
Name & Designation of  
the Sponsoring Authority with Seal

### PATRONS

- Rev. Fr. Saturnino Almeida, Managing Director, ATEC, Vashi.
- Rev. Fr. L. Dias, Procurator, ATEC, Vashi.
- Rev. Fr. Ivon Almeida, Assistant Managing Director, ATEC Vashi.

### ADVISORY COMMITTEE

- Dr. S.M. Khot, Principal, Fr. C.R.I.T., Vashi.

### CONVENER

Dr. Bindu S., Professor & Head,  
Department of Electrical Engineering.  
Mobile: 09819220504  
e-mail: bindubalu@rediffmail.com

### COURSE CO-ORDINATOR

Mrs. Rashmi Kale: 8551801598  
e-mail: rashmi.kale@fcrit.ac.in

### MEMBERS OF ORGANISING COMMITTEE

- Dr. Sushil Thale Mob: 09869396998
- Mrs Bindu R. Mob: 9769497345

### Department Vision:

To evolve as a progressive centre for modern technical education in the field of Electrical Engineering to produce self-sustainable professionals through value based education.

### Department Mission:

- To provide quality education in the areas of Electrical Engineering.
- To collaborate with Industries and Institutes of repute.
- To provide holistic environment for the development of socially responsible citizens.

### ISTE APPROVED

### SHORT TERM TRAINING PROGRAMME

on

## "ELECTRIC AND HYBRID ELECTRIC VEHICLE TECHNOLOGY"

(June 18<sup>th</sup> -23<sup>rd</sup> , 2018)



### Organized by

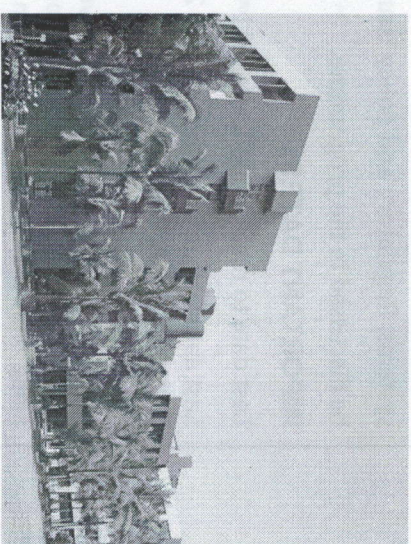
Department of Electrical Engineering  
Fr. C. Rodrigues Institute of Technology

Sector 9A, Vashi,

Navi Mumbai - 400 703.

Phone: 022 27771000 Extn. 339

Fax: 022 27660619



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## SCOPE OF STTP

In transportation engineering, scarcity of fossil energy resources and the need for alternate energy option have lead designers to look for new and improved designs in electric and hybrid electric vehicle technology. Often, it is a challenge for engineers to design efficient and cost effective systems without compromising the integrity of the system. Electric vehicle engineering is a professional discipline which combines knowledge in electrical and mechanical engineering for the purpose of designing, quantitatively evaluating, predicting, measuring and improving vehicle technology.

This training program intends to impart a general theoretical, practical and design background in the areas of Automobile in Electrical, Electronic, Power Electronic and Mechanical systems. The participants will be introduced to design system and their energy systems. Regulatory and policy issues etc. will also be discussed in the programme.

## IMPORTANT DATES:

Last date to receive application: 31<sup>st</sup> May 2018

Last date for confirmation: 2<sup>nd</sup> June 2018

## REGISTRATION FEE:

For ISTE members: ₹ 3000

The teachers sponsored by respective institutions and others are required to send registration form, duly filled along with a bank demand draft in favor of "Fr. C. Rodrigues Institute of Technology" payable at Vashi, Navimumbai.

## PROFILE OF THE INSTITUTE

Fr. C. Rodrigues Institute of Technology (FrCRIT) is one of the leading academic institutions of Mumbai University. It was established in 1994 at Vashi, Navi Mumbai, as a part of the Agnel Technical Education Complex. Apart from academic excellence the campus is also reputed for its extensive facilities that have led to it being awarded an 'A' grade by the Directorate of Technical Education, Maharashtra right from its inception. All the five UG engineering programmes (Computer, Mechanical, Electrical, Electronics & Telecommunication and Information Technology) of the institute were accredited in August 2012 by the National Board of Accreditation, New Delhi.

The institute is also recognized by the AICTE and is dedicated to fulfilling the following missions:

1. To provide industry oriented quality education.
2. To provide holistic environment for overall personal development.
3. To foster relationship with other institute of repute, alumni and industry.

## ABOUT THE DEPARTMENT

The department offers BE (Electrical Engineering), ME (Power Electronics and Drives) and Ph.D programmes. The department has well-qualified faculty and well equipped laboratories and other infrastructure. The department regularly conducts seminars, project contests and short-term courses for the benefit of students, academicians and industry personnel.

## OBJECTIVES OF THE COURSE

This course aims:

- To give an overview on electric and hybrid electric vehicle technology.
- To provide knowledge on electric drives and energy sources management.
- To impart exposure to the research activities in the transportation engineering.

## COURSE CONTENT

Following topics in engineering research are covered with practical sessions on:

- Battery management and Electric motor drives
- Modelling, simulations and control for electric, hybrid electric and plug in hybrid vehicles.
- Standard, policies and regulations for transportation engineering.

## FACULTY

The speakers will be from IIT Bombay, VITL, BARC, industry etc. The demo & practical sessions will be conducted by experts from the industry and the institutes.

## ACCOMMODATION

Participants who desire accommodation in the campus are requested to indicate so in the registration form. Accommodation will be provided at a nominal rate for limited number of delegates. **Note:** Photocopy or downloaded copy of the registration form can also be used

## HOW TO REACH:

Nearest railway terminus : Vashi Station  
Nearest Bus depot : Vashi Depot  
Landmark : Noor Masjid





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Electrical Engineering**

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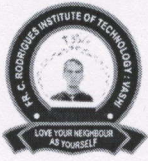
### **Brief Activity/Event Report (2017-18)**

- 1) Name of the Activity/Event : AICTE-ISTE approved one week Short term training Programme on "ELECTRIC AND HYBRID ELECTRIC VEHICLE TECHNOLOGY" (June 18<sup>th</sup> -23<sup>rd</sup>, 2018)
- 2) Activity/Event Venue & Date : Seminar Hall and Classroom 211 (June 18<sup>th</sup> -23<sup>rd</sup>, 2018)
- 3) Nature of Participants : Faculty from different Engineering colleges.
- 4) Number of Participants : 27 (including ME students)
- 5) Student Coordinator : Volunteers from 2<sup>nd</sup> and 3<sup>rd</sup> year Electrical class
- 6) Staff Coordinator : Mrs. Rashmi G.Kale
- 7) Brief Summary of the Activity/Event (in maximum 500 words):
  - a) **Objectives** : To give an overview on Electric and Hybrid Electric Vehicle Technology, Provide knowledge of Electric drives and Energy Sources Management, To impart exposure to research activities in the Transportation Engineering.
  - b) **Technical Description** : The six days STTP on "ELECTRIC AND HYBRID ELECTRIC VEHICLE TECHNOLOGY" covered various sessions on Electric Vehicle Technology. Sessions were taken by experts from various institutions and industries. Dr. Sheldon Williamson, Professor and NSERC Canada Research Chair, oshawa ,ontario, Canada took sessions on "Modern Transportation Electrification and Autonomous E-mobility :Recent Trends and Future Challenges."and "Innovative Application-driven industry Collaboration and Research: Future Markets for E-transport and Mobility". Also sessions were taken on "Battery Management and demonstrations on Batteries", "EV-HEV in Indian Perspective", "Control of Battery and Ultra-capacitor in Electric Vehicle", "Basic concepts of Automobile Engineering" , "Role of New Transportation in Demand-side Management", "Tractive Forces in Transportation Engineering", "Design Methodology of Solar Electric Vehicle", "Opportunities and Issues in Present Transportation Scenario (Li-ion Battery)", "Charging Infrastructure for EV", "Future Trends /Technology of HEV". Research Scholars from IIT, Bombay took sessions on

RAJ

Bachus





# *Fr. C. Rodrigues Institute of Technology, Vashi*

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“Fast Charging Stations for Electric Vehicle” and “Drives System in Electric Vehicles”.

Renewable Energy Interface Demonstration was taken by faculty from FCRIT.

- c) **Outcomes** : Participants were able to -
- i. Understand role and Issues of Electric vehicles in Indian Scenario.
  - ii. Knowledge of Different topologies for fast charging of EV.
  - iii. Information about Research activities in the field of Electric and Hybrid Electric Vehicles.
  - iv. Demonstration of Renewable interface for EV.

*PSA*

*B. S. S.*



**AICTE-ISTE Approved Short Term Training Programme on  
“ELECTRIC AND HYBRID ELECTRIC VEHICLE TECHNOLOGY”**

**(June 18<sup>th</sup>– 23<sup>rd</sup>, 2018)**

**Attendance Sheet**

Date: 22/6/18

Sr. No.	Name	Sign Session I	Sign Session II	Sign Session III	Sign Session IV
1	MR. JAYWANT R. BAVISKAR	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2	MS. HARSHADA C.B.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	MS. SHREYASHI DE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4	MS. RUSHALI R. THAKKAR	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5	MR. G.T.HALDANKAR	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6	MS. RUCHI HARCHANDANI	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7	MS. MUGHDA M. GOKARN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8	MS. SEEMA JADHAV	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9	MS. SHASHI PRABHA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10	MS. UMA L.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11	MS. NISHAN P.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12	MS. S.D.WANKHADE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13	MS. POORNIMA RAO	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14	MR. J.P.SHAH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
15	MS. S.S.KHAIRNAR	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
16	MS. S.A.BORADE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
17	Bindu R	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



**AICTE-ISTE Approved Short Term Training Programme on  
“ELECTRIC AND HYBRID ELECTRIC VEHICLE TECHNOLOGY”**

**(June 18<sup>th</sup> – 23<sup>rd</sup>, 2018)**

**Attendance Sheet**

Date: 22/6/2018

Sr. No.	Name	Sign Session I	Sign Session II	Sign Session III	Sign Session IV
1	MR. ABHISHEK D.CHALWADI	<i>Achalwadi</i>	<i>Achalwadi</i>	<i>Achalwadi</i>	<i>Achalwadi</i>
2	MR. NIKHIL S. SARODE	<i>Sarode</i>	<i>Sarode</i>	<i>Sarode</i>	<i>Sarode</i>
3	MR. SURAJ P. KAMAT	<i>Kamat</i>	<i>Kamat</i>	<i>Kamat</i>	<i>Kamat</i>
4	MR. SALIL S. PATWARDHAN	<i>Patwardhan</i>	<i>Patwardhan</i>	<i>Patwardhan</i>	<i>Patwardhan</i>
5	MS. SREEDEVI S.NAIR	<i>Sen</i>	<i>Sen</i>	<i>Sen</i>	<i>Sen</i>
6	MR. K.VENKATACHARYULU	<i>K.Ven</i>	<i>K.Ven</i>	<i>K.Ven</i>	<i>K.Ven</i>
7	MR. KAMLESH S.	<i>Shga</i>	<i>Shga</i>	<i>Shga</i>	<i>Shga</i>
8	MS. ARCHANA S. KOLEKAR	<i>Kolekar</i>	<i>Kolekar</i>	<i>Kolekar</i>	<i>Kolekar</i>
9	MR. MAYUR B SHELAR	<i>Shelar</i>	<i>Shelar</i>	<i>Shelar</i>	<i>Shelar</i>
10	Mr. Ameya J. More	<i>Ameyas</i>	<i>Ameyas</i>	<i>Ameyas</i>	<i>Ameyas</i>





2018-6-23 14:05





# *Fr. C. Rodrigues Institute of Technology*

**Department of Information Technology**

**Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.**

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**Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)**

## **ACADEMIC YEAR 2017 - 2018**

### **List of Events**

Sr. No	Event name	Date of Event	Coordinator
1	AICTE-ISTE approved STTP on “Hands on Cross Platform Mobile Application Development and IoT	07 <sup>th</sup> to 11 <sup>th</sup> May 2018	Mrs. Smita Rukhande, Mr. Suraj Khandare
2	3 days workshop on “Networking with LINUX”	17th to 19th April 2018	Mr. Imran J.
3	FDP on Research & Innovation	16-Jun-18	Dr. H. K. Chavan





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### **EVENT 1**

#### **Brief Activity/Event Report**

- 1. Name of the Activity/Event : AICTE-ISTE APPROVED SHORT TERM TRAINING**  
**PROGRAMME on “Hands on Cross Platform Mobile Application Development and IoT”**
- 2. Activity/Event Venue & Date : Fr. CRIT, IT Department & 07th – 11th May, 2018**
- 3. Nature of Participants : Staff of IT and Computer Engg. Dept**
- 4. Number of Participants : 22**
- 5. Staff Coordinator : Prof. Smita Rukhande & Prof. Suraj Khandare**
- 6. Brief Summary of the Activity/Event (in maximum 500 words):**
  - a. Objectives :**
    - i) To teach the fundamental techniques and principles in programming Cross Platform Mobile Applications and Arduino.
    - ii) To provide an overview of hands on Cross Platform Mobile Application Development and Arduino.
  - b. Technical Description : Course covered following contents**
    1. Introduction to Cross Platform Mobile Application Development
    2. Process and Tasks Handling Activity Lifecycle Events.
    3. Introduce Android APIs for Camera and Location Based Service.
    4. Discuss various security issues with Android Platform.
    5. Introduction to Arduino, installation, configure and manage Arduino
    6. Design own circuit board using Arduino.
  - c. Outcomes :**
    1. Experiment on Integrated Development Environment for Android Application Development
    2. Design and Implement Database Application and Content Providers.
    3. Use multimedia, camera and Location based services in Android App
    4. Develop Android App with Security features.
    5. Apply concept of IoT to different applications.
    6. Design and develop smart city using IoT.





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- d. **Summary of Feedback** : The goal of the training were clearly defined and met , the facilitators were knowledgeable about the topics and used variety of training method, the material for the training were helpful and participates are satisfied with all aspect of the training event.

### 7. Activity / Event Photograph :







# Fr. C. Rodrigues Institute of Technology

## Department of Information Technology

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### Brochure

#### Course Fees

ISTE Member : Rs. 1500/-  
Non-ISTE Member : Rs. 1850/-  
(Inclusive of course materials, refreshments & lunch)

The teachers sponsored by AICTE recognized institutions are required to send the registration form, duly filled, along with a bank demand draft in the favour of "PRINCIPAL Fr. C. R. I. T., Vashi" payable at Navi Mumbai.

#### Important Dates:

Last date for Registration with DD:  
30/04/2018

#### Contacts:

- Prof. Smita Rukhande  
M- 9892558122
- Prof. Suraj Khandare  
M - 9004879308

E mail: [itdeptfcrit@gmail.com](mailto:itdeptfcrit@gmail.com)

Password is @itdept2016

Information Technology Department:

Phone: 022- 41611000

Fax: 022- 27660619

Visit: [www.fcrit.ac.in](http://www.fcrit.ac.in)

#### Patrons

Rev. Fr. Almeida, MD, ATEC, Vashi.  
Rev. Fr. Ivon Almeida, AMD, ATEC, Vashi.  
Dr. S.M.Khot, Principal, Fr. C.R. I. T., Vashi.

#### Advisory Committee

Dr. Milind Shah, HOD, E&TC Dept  
Dr. Bindu S, HOD, Electrical Dept  
Dr. Lata Ragha, HOD, Computer Dept  
Dr. Nilaj Deshmukh, HOD, Mechanical Dept  
Dr. Christu N. HOD, Humanities & Basic Sciences Dept  
Dr. Sushil Thale, Dean Research & Development  
Dr. Nitesh Yelwe, Dean PG Studies  
Prof. Lakshmi M. Gadhihar, IT Dept  
Prof. Archana Shirke, IT Dept

#### Resource Persons

- Dr. M. M. Chandane, VJTI, Mumbai.
- Mr. Suresh Pal, ATS Learning Solutions, Mumbai
- Mr. Sumit Sharma, ATS Learning Solutions, Mumbai
- Mr. Anshu Kumar, ATS Learning Solutions, Mumbai
- Mr. Krunal Panchal, ATS Learning Solutions, Mumbai
- Experts from TCS, Mumbai.

#### Accommodation:

Participants who desire accommodation in the campus are requested to indicate so in the registration form. Accommodation will be provided at a nominal rate for limited number of delegates.

#### Approximate Travel Time For Reaching Agnel Technical Education Complex

- Vashi Railway Station: 15 mins. (2 kms.)
- Vashi Bus Depot: 5 mins. (0.5km)
- Domestic Airport to vashi: 1 hr. (20 kms.)

#### AICTE-ISTE APPROVED SHORT TERM TRAINING PROGRAMME

On

#### “Hands on Mobile Application Development”

(07<sup>th</sup> – 11<sup>th</sup> May, 2018)

Organized By

Department of

INFORMATION TECHNOLOGY

Fr. C. Rodrigues Institute of Technology,  
Agnel Technical Education Complex,

Sector 9A, Vashi

Navi Mumbai – 400 703

Visit: [www.fcrit.ac.in](http://www.fcrit.ac.in)

Convener

Dr. H. K. Chavan

Coordinators

Prof. Smita Rukhande

Prof. Suraj Khandare

#### Course Fees

ISTE Member : Rs. 1500/-  
Non-ISTE Member : Rs. 1850/-  
(Inclusive of course materials, refreshments & lunch)

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Prof. Suraj Khandare





# Fr. C. Rodrigues Institute of Technology

## Department of Information Technology

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### Attendance Sheet

FR C RODRIGUES INSTITUTE OF TECHNOLOGY, VASHI  
STTP ON "HANDS ON CROSS PLATFORM MOBILE APPLICATION DEVELOPMENT AND IOT"  
7 MAY-11MAY 2018  
DEPARTMENT OF INFORMATION TECHNOLOGY  
SIGNATURE

DATE 7/05/18

SESSION 10.30 - 1.00 pm

SR NO	NAME	SIGNATURE
1	Ms Sushma Nagdeote	
2	Naina Vaity	
3	Preeti Nawoka	
4	Sonali Mhatre	
5	Bhavna Dakhare	
6	Sachin Derekar	
7	Vinita Bhandiwad	
8	Snigdha	
9	Mukta N	
10	Rahul Jadhav	
11	Dhanashree H.	
12	Sachin Derekar	
13	Mukesh Yadav	
14	Poojita Shrivastava	
15	Kanchan Dhuri	
16	Anuja Gote	
17	Smriti Chapekar	
18	Poonam Bari	
19	Kalpna Wari	
20	Smriti R	
21	Rupali D	
22	Suraj K	

Coordinator STTP  
Technology

Hod Information



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**Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.**

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---

## **EVENT 2**

### **Brief Activity/Event Report**

- **Name of the Activity/Event : 3 days workshop on “Networking with LINUX”**
- **Activity/Event Venue & Date : FCRIT, IT Department & 17th to 19th April 2018**
- **Nature of Participants : Non Teaching Technical Staff (All Dept)**
- **Number of Participants : 12**
- **Staff Coordinator : Mr. Imran Jamadar**
- **Brief Summary of the Activity/Event (in maximum 500 words):**

**This event was mainly for non-teaching technical staff to well versed with networking commands and management of network using linux.**





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**Fr. C. Rodrigues Institute of Technology, Vashi, Navi-Mumbai  
Department of Information Technology**

Date: April 3, 2018

To  
The Principal,  
FCRIT, Vashi

**Sub: Approval for conducting 3- day\workshop on “Networking with LINUX”**


Respected sir,


FCRIT Vashi always promote Open source tools and Software usage. To make this happen IT department is planning to organize a three day hands on workshop on **Networking with LINUX** for lab assistants of FCRIT and will be conducted by Prof. Imran Jamadar. The proposed dates are 17<sup>th</sup> April to 19<sup>th</sup> April 2018 as it won't disturb any other pre-planned academic activities of FCRIT. The detailed scheduled is enclosed herewith for your kind consideration and approval.

This hands-on workshop will help Lab assistant to get acquainted with Linux operating system and after successful completion of workshop they may troubleshoot the system as well as network related issues during future conduction of laboratories.

Thanking you

Yours truly

  
Dr. H.K. Chavan  
Head,  
IT Department,  
FCRIT, Vashi

  
Mr. Imran Jamadar  
Assistant Professor  
IT Department  
FCRIT Vashi



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**Department of Information Technology**

### Networking with LINUX

Schedule (April 2018)

DAY-One (Tuesday 17 <sup>th</sup> April 2018)		Duration
<b>Introduction to Linux and its variants</b>		30 min
	Installation of Stable Linux variants.(like Ubuntu 16.04/18.04)	60 min
	Demonstration of basic commands in Ubuntu.	60 min
	<b>Managing User and groups in Ubuntu (Writing a shell script to create multiple user and delete them)</b>	60 min
	Creating user profile based on their role(Role based ACL)	30 min
DAY-Two (Wednesday 18 <sup>th</sup> April 2018)		
<b>Networking/ LAN Management</b>		30 min
	OSI Model, TCP/IP stack	30 min
	Addressing Concepts	60 min
	LAN Technology	30 min
	Different devices, mediums, connectors used in LAN implementation	60 min
	VLAN Concepts, Implementation(Layer3 switch)	30 min
	Tools/utility used in networking	
DAY-Three (Thursday 19 <sup>th</sup> April 2018)		
<b>Installation and troubleshooting in Ubuntu</b>		60 min
	Package installation through command line	
<b>System troubleshooting and problem solving</b>		60 min
	Techniques to troubleshoot	
	Troubleshoot resources (Internet, Log files, readme file etc.)	
	Solving common problems in Ubuntu (Unable to login, resetting password, lost/forgotten root password)	
	Solving boot problems	
<b>Network Troubleshooting</b>		60 min
	Unable to get IP address	
	Network connectivity problem	
	Server connectivity Problem	
<b>Server installation</b>		60 min
	DHCP,DNS,FTP, etc.	

**Note:** Content may change as per feedback and requirement.





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12

Fr. C. Rodrigues Institute of Technology, Vashi

Department Of Information Technology

Workshop on "Networking with Linux" April 2018  
Attendance

Sr. No.	Name of Participant	Department	18 <sup>th</sup> April 2018 (Day-02)	
			Morning Session	Afternoon Session
001	Sudhir Patil	Comp		
2	Pranant Mehta	EXTC		
3	Kalidas Shinde	Elect		
4	Paulin W	mech		
5	Shrikant m.	Elect		
6	Pramod More	COMP		
7	Shantanu S.	IT.		
8)	Chandrashekhar Patil	Comp		
9	Asha K	Elect		
10	Binoy Alex	IT		
11	Abhijit T	IT		



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20<sup>th</sup> Fr. C. Rodrigues Institute of Technology, Vashi

Department Of Information Technology

Workshop on "Networking with Linux" April 2018

Attendance

Sr. No.	Name of Participant	Department	20 <sup>th</sup> April 2018 (Day-03)	
			Morning Session	Afternoon Session
1	Kalish Shinde	Elect.	<i>[Signature]</i>	
2	Asha	<del>ELECT</del> <i>[Signature]</i>	<i>[Signature]</i>	
3)	Pankaj	Mech	P	
4)	Pranav	Comp	<i>[Signature]</i>	
5)	Santosh. M	EXTC	P	
6)	Abhijit Tannu	IT	<i>[Signature]</i>	<i>[Signature]</i>
7)	Chandrashekar Bhu	Comp	<i>[Signature]</i>	<i>[Signature]</i>
8)	Shantanu S.	I.T.	<i>[Signature]</i>	<i>[Signature]</i>
9)	Shrikant Mayekar	Elect	<i>[Signature]</i>	<i>[Signature]</i>
10	Prashant Moh	EXTC	<i>[Signature]</i>	<i>[Signature]</i>
11	Binoy Alex	IT	<i>[Signature]</i>	<i>[Signature]</i>
12	Sudhir	Comp	<i>[Signature]</i>	<i>[Signature]</i>





# Fr. C. Rodrigues Institute of Technology

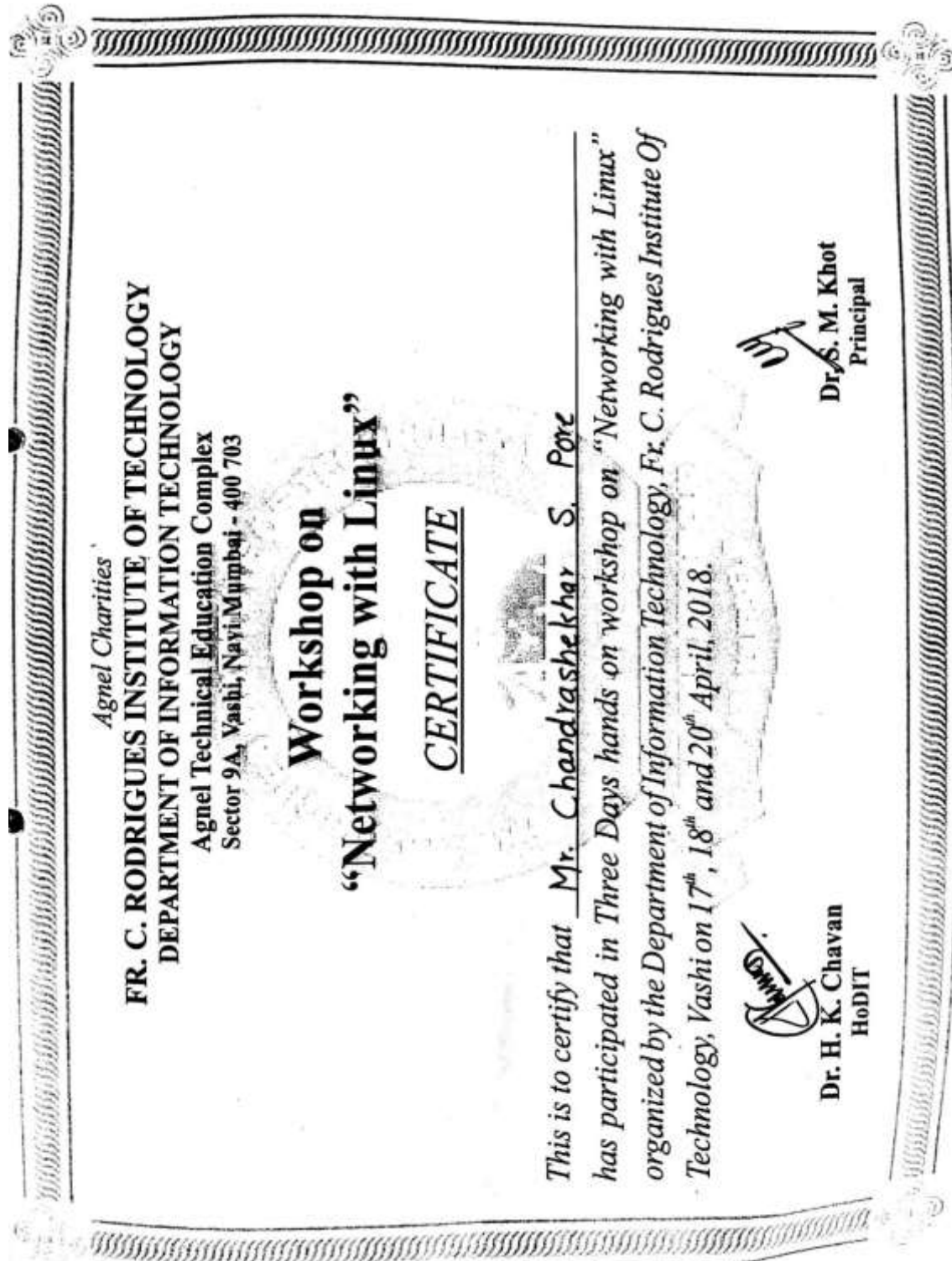
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Sample Certificate:





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---

## **EVENT 3**

### **Brief Activity/Event Report**

- **Name of the Activity/Event : One day FDP on Research & Innovation**
- **Activity/Event Venue & Date : FCRIT, IT Department & 16th June 2018**
  
- **Nature of Participants : Staff of IT and Computer Engg. Dept**
- **Number of Participants : 14**
- **Staff Coordinator : Dr. H. K. Chavan**
- **Brief Summary of the Activity/Event (in maximum 500 words):**





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**Department of Information Technology**

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**Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)**



Topic:	RESEARCH & INNOVATION
Institute:	FR. CONCEICAO RODRIGUES Institute of Technology, Vashi -
TCS Resource Person:	MR. DINESHKUMAR SINGH
Date(s):	16-10-18

S. #	Participant Details				Rating - scale of 4 to 1 4- Best; 1 - Worst				Appreciations, if any	Suggestions for improvement, if any
	Name	Dsgn	Dept	Institution / Organization						
1	Amrde Siddiqui	Asst. Prof	Comp. Engg.	Fr. C. R. I. T.	✓	3	2	1	Very good	
2	Trypti. Lohi. Kev	" "	IT dp	Fr. C. R. I. T.	✓	3	2	1	good, practical knowledge	
3	Shagufta. R	"	Comp	Fr. CRIT	✓	3	2	1	good	
4	Dharmendra Hadsul	"	I.T.	Fr. C. R. I. T.	✓	3	2	1	Excellent Session	
5	Dakshayani. G	"	comp	"	✓	3	2	1	Excellent	
6	Kavita. S	"	"	"	✓	3	2	1		
7	Mulcha N	"	IT	FCRIT	✓	3	2	1	Very good	
8	Rahul T	"	comp	FCRIT	✓	3	2	1	VG.	
9	Mrs. Rathi. Kalantai	"	"	"	✓	3	2	1		
10	Mrs. Sandhya P	"	Comp	Fr. CRIT	✓	3	2	1		
11	Mrs. Poonam B	"	IT	Fr. CRIT	✓	3	2	1		
12	Mr. Anandkumar P	"	IT	Fr. CRIT	✓	3	2	1		
13	Dr. H. K. Chavhan	Prof	IT	FCRIT	✓	3	2	1		
14	Mr. Imran Jamadar	Asst. Prof	IT	FCRIT	✓	3	2	1	very good	
15	Mrs. Archana Shinde	Asst. Prof	IT	FCRIT	✓	3	2	1		
16					4	3	2	1		
17					4	3	2	1		
18					4	3	2	1		
19					4	3	2	1		
20					4	3	2	1		

Signature & Name of the TPO



Topic:	
Institute:	
TCS Resource Person:	Mr DINESH KUMAR SINGH
Date(s):	16-10-18

S. #	Name	Dsgn	Dept	Institution / Organization	Rating - scale of 4 to 1 4- Best; 1 - Worst					Appreciations, if any	Suggestions for improvement, if any
					4	3	2	1			
1	Amrbez Sidiqvi	Asst. Prof	Comp. Engg.	Fr. C. R. I. T.	✓	3	2	1		Very good	
2	Trupti Lokiker	"	IT dp	Fr. C. R. I. T.	✓	3	2	1		good, practical knowledge	
3	Shagufta R	"	Comp	Fr. CRIT	✓	3	2	1		good	
4	Dharmesh Haddad	"	I.T.	Fr. C. R. I. T.	✓	3	2	1		Excellent Session	
5	Datsheyawari G	"	comp	"	✓	3	2	1		Excellent	
6	Kavita S	"	"	"	✓	3	2	1			
7	Mulata N	"	IT	FCRIT	✓	3	2	1		very good	
8	Rahul T	"	comp	FCRIT	✓	3	2	1		vg	
9	Mrs. Rathi. kalavati	"	"	"	✓	3	2	1			
10	Mrs. Sandhya P	"	comp	Fr. CRIT	✓	3	2	1			
11	Mrs. Pooja B	"	IT	Fr. CRIT	✓	3	2	1			
12	Mr. Anand Kumar P	"	IT	Fr. CRIT	✓	3	2	1			
13	DV H K CHAVAN	Prof	IT	FCRIT	✓	3	2	1			
14	Mr. Jyotiraj Jambekar	Asst. Prof	IT	FCRIT	✓	3	2	1			
15	Mrs. Archana Shinde	Asst. Prof	IT	FCRIT	✓	3	2	1		very good	
16					4	3	2	1			
17					4	3	2	1			
18					4	3	2	1			
19					4	3	2	1			
20					4	3	2	1			

Signature &amp; Name of the JPO



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**Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai.**

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**Academic Year**  
**2016-17**





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Computer Engineering**

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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### **ACADEMIC YEAR 2016 - 2017**

#### **List of Events**

<b>Sr. No.</b>	<b>Name of FDP/STTP</b>	<b>Date</b>	<b>Coordinator/Convener</b>
1.	One-week STTP on “Data Science & Big data Analytics”	19 <sup>th</sup> -24 <sup>th</sup> December, 2016	Mrs.Smita Dange, Mrs.Rakhi Kalantri, Mrs.Kavita Shelke
2.	One day FDP on “Enterprise Packaged Application”	15 <sup>th</sup> June,2017	Mr.Mritunjay.O
3.	One day FDP on “Agile Project Implementation”	15 <sup>th</sup> June,2017	Mr.Mritunjay.O
4.	One day FDP on “SAP HANA”	14 <sup>th</sup> October,2017	Mr.Mritunjay.O

  
Staff Coordinator

  
HOD



# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Computer Engineering

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### Event-1

## One Week Short Term Training Program (STTP) on "Data Science and Big data Analytics"

(19<sup>th</sup> -24<sup>th</sup> December, 2016)

**STTP on "Data Science and Bigdata Analytics"**  
**Registration Form**

Full Name: \_\_\_\_\_  
Designation: \_\_\_\_\_  
Institute: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
Tel No: \_\_\_\_\_  
E-Mail: \_\_\_\_\_  
Accommodation Required: Yes / No \_\_\_\_\_  
ISTE member: Yes/No \_\_\_\_\_  
(If yes, Membership No: \_\_\_\_\_)  
Registration fee (Rs.): \_\_\_\_\_  
Mode of Payment: Cheque / Demand Draft  
Cheque/DD No: \_\_\_\_\_ Date: \_\_\_\_\_  
Name of the Bank: \_\_\_\_\_  
I agree to abide by rules and regulations governing the above STTP  
Date: \_\_\_\_\_ Signature of applicant \_\_\_\_\_  
**Recommendation of Employer**  
The applicant will be permitted to participate in the above program, if selected  
Date \_\_\_\_\_ Signature \_\_\_\_\_  
Name & \_\_\_\_\_  
Designation of \_\_\_\_\_  
Sponsoring authority with seal

**Topics to be covered**

- ☐ Introduction To Data Science , Bigdata Analytics
- ☐ Overview of Hadoop Eco System
- ☐ Analytics tool R
- ☐ Introduction to Python

**Hands on Session** includes installation of Hadoop, working with Hadoop Eco system like HDFS, Map Reduce, Hive, Pig, Flume, No SQL, R Analytics and Python



**Note :** Resource Persons are from reputed industries, well experienced.

**Advisory Committee**  
Rev. Fr. Almeida, MD, ATEC, Vashi  
Dr. S.M. Khot, Principal, Fr. C.R.I.T., Vashi  
Prof. M.Kirothika HOD (UC), COMP

**Accommodation:**  
Participants who desire accommodation in the campus are requested to indicate so in the registration form. Accommodation will be provided at a nominal rate for limited number of delegates.

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**ISTE APPROVED  
SHORT TERM TRAINING  
PROGRAMME**  
on  
"Data Science and Bigdata Analytics"  
(December 19 - December 24, 2016)  
  
**Organized By**  
**COMPUTER ENGG.  
DEPARTMENT**  
Fr. C. Rodrigues Institute of Technology,  
Agnel Technical Education Complex,  
Sector 9A, Vashi  
Navi Mumbai - 400 703  
Visit [www.fcrit.ac.in](http://www.fcrit.ac.in)  
Course Convener  
Mrs. Smita Dange

Staff Coordinator

HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Computer Engineering

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### Course Fees

ISTE Member Rs. 4500/-  
Non-ISTE Member Rs. 5000/-

(Inclusive of course materials,  
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recognized institutions are required to send  
the registration form, duly filled, along with a  
bank demand draft in the favour of  
"PRINCIPAL Fr. C. R. I. T., Vashi" payable  
at Mumbai.

### Important Dates:

Last date for Registration: 10/12/16

### Course Coordinators & Contacts:

• Prof. Rakhi Kalamri  
M- 8879353821

• Prof. Kavita Shelke  
M-9867956622

Email: [fcritcompstp2016@gmail.com](mailto:fcritcompstp2016@gmail.com)

Computer Engineering Department:

Phone: 022- 41611000 Ext: 173, 175

Fax: 022- 27660619

Visit: [www.fcrit.ac.in](http://www.fcrit.ac.in)

**MISSION:** To provide quality and application  
oriented education in the field of Computer  
Engineering to meet the industry requirements

**VISION:** To contribute significantly towards high  
quality technical education with ever changing  
world and empower the students to be the world  
leaders in computer technology and responsible  
global citizen possessing human values.

### Course Objective

More and more organizations these days use their  
data as a decision supporting tool and to build data-  
intensive products and services. The collection of  
skills required by organizations to support these  
functions has been grouped under the term "Data  
Science". This course will cover the basic concepts  
of big data, methodologies for analyzing structured  
and unstructured data with emphasis on the  
relationship between the Data Scientist and the  
business needs.

### Resource persons

The speakers will be from eminent industry and  
institute. The practical sessions will be conducted  
by well experienced people both from the industry  
and the institute.

**Profile of the Institute** Fr. C. Rodrigues  
Institute of Technology was established in  
1994 in the heart of Navi Mumbai, Vashi, as  
a part of Agnel Technical Education  
Complex. The aim of the Institute is to  
provide quality technical education in  
addition to inculcating moral values to its  
students. Apart from academic excellence,  
the campus is also reputed for its extensive  
facilities that have led to it being awarded an  
"A" grade by the Directorate of Technical  
Education, Maharashtra, right from its  
inception. The institute is affiliated to the  
University of Mumbai and all the five UG  
engineering programmes (i.e. Computer,  
Mechanical, Electronics &  
Telecommunication, Electrical) are  
accredited from 2006-2009 and  
reaccredited from August 2012. Information  
Technology is accredited from 2006-2009 by  
the National Board of Accreditation, New  
Delhi. The Institute also offers PG and PhD  
Courses in

Mechanical Engineering (M/C Design)

- Electrical Engineering (Power  
Electronics and Drives)

- Electronics & Telecommunication

The institute is an approved Research Centre  
for Mechanical Engineering, Electronics &  
Telecommunication and Electrical  
Engineering.

Staff Coordinator

HOD



## *Fr. C. Rodrigues Institute of Technology, Vashi*

### **Department of Computer Engineering**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

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### **Brief Activity/Event Report**

1)	Name of the Activity/Event	One week STTP on " Data Science and Big Data Analytics" (19 <sup>th</sup> -24 <sup>th</sup> December, 2016)
2)	Activity/Event Venue & Date	Internet lab-computer Center, 19 <sup>th</sup> -24 <sup>th</sup> December, 2016
3)	Nature of Participants	Student and Faculty from various Engineering colleges.
4)	Number of Participants	34
5)	Staff Coordinator	Mrs.Smita Dange, Mrs.Rakhi Kalantri and Mrs.Kavita Shelke
6)	Brief Summary of the Activity/Event (in maximum 500 words):	
	<b>a. Objective:</b>	Introduction to Data Science and Big data concepts and provide hands on experience for analysing data
	<b>b. Technical Description:</b>	
	One week STTP on "Data Science and Big data Analytics" provides an introduction to big data and a Data Analytics Lifecycle to address business challenges that leverage big data. It provides grounding in basic and advanced analytic methods and an introduction to big data analytics technology and tools, including MapReduce and Hadoop. The course has extensive labs throughout to provide practical opportunities to apply these methods and tools and includes a final lab in which participants address a big data analytics challenge by applying the concepts taught in the course in the context of the Data Analytics Lifecycle.	
	<b>c. Outcome</b>	





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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### List of Participants

Fr. C. Rodrigues Institute of Technology, Vashi

Computer Engineering Department

ISTE APPROVED STEP

On

**"DATA SCIENCE AND BIG DATA ANALYTICS"**

December 19 - 24, 2016

Registration/Reporting form

Sr.No.	Name of the participant	Name to be printed in the Certificate	Name of the Institute/Industry	Kit * provided	Signature with reporting date
1.	Aditya Jadhav	JADHAV ADITYA	FCRIT		
2.	Advait Kumbhar	KUMBHAR ADVAIT	FCRIT		
3.	Sachin George	SACHIN GEORGE	FCRIT		
4.	Vanessa Almond	VANESSA ALMOND	FCRIT		
5.	Akshay Koul	AKSHAY KOUL	FCRIT		
6.	Aditya Krishnamurthy Chaudhary	ADITYA CHAUDHARY	FCRIT		
7.	Soujan Ganesh Shetty	SOUJAN GANESH SHETTY	FCRIT		
8.	Sheryl Saji	SHERYL SAJI	FCRIT		
9.	Elizabeth James	ELIZABETH JAMES	FCRIT		
10.	Ann Sara Sajee	ANN SARA SAJEE	FCRIT		
11.	Nisha Marim Thomas	NISHA MARIM THOMAS	FCRIT		
12.	Varsha Hole	VARSHA R. HOLE	FCRIT		
13.	Sumithra TV	SUMITHRA TV	FCRIT		
14.	Dakshayani G	DAKSHAYANI G	FCRIT		



# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Computer Engineering

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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

Sr.No.	Name of the participant	Name to be printed in the Certificate	Name of the Institute/ Industry	Kit provided	Signature with reporting date
15.	Siddhi Kadam	Siddhi Kadam	RAIT, Mumbai	✓	[Signature]
16.	Shilpa Kotte	Shilpa Kotte	RAIT, Mumbai	✓	[Signature]
17.	Shilpa P. Bhat	Shilpa P. Bhat	RAIT, Mumbai	✓	[Signature]
18.	Shweta Vilas Patil	Shweta V. Patil	FCRIT	✓	[Signature]
19.	Kavita Shelke	KAVITA SHELKE	FCRIT	✓	[Signature]
20.	Favin George	FEVIN GEORGE	FCRIT	✓	[Signature]
21.	Pati Sandhya	SANDHYA PATI	FCRIT	✓	[Signature]
22.	Rakhi Kalantri	RAKHI KALANTRI	FCRIT	✓	[Signature]
23.	Shweta A. Patil	Shweta A. Patil	FCRIT	✓	[Signature]
24.	Sandesh Sudhakar Dhanwale	Sandesh Sudhakar Dhanwale	FCRIT	✓	[Signature]
25.	Rahul Divakar Jadhav	Rahul Divakar Jadhav	FCRIT	✓	[Signature]
26.	Shagun Rajguru	Shagun Rajguru	FCRIT	✓	[Signature]
27.	Manish Nagare	MANISH ANIL NAGARE	FCRIT	✓	[Signature]
28.	Roshan Mathew	ROSHAN MATHIEW	FCRIT	✓	[Signature]
29.	Shriya Wadke	SHRIYA ANIL WADKE	FCRIT	✓	[Signature]
30.	Dipti Pawade	DIPTI YOGESH PAWADE	KJSCE	✓	[Signature]
31.	Ashwini Dalvi	ASHWINI ANANT DALVI	KJSCE	✓	[Signature]
32.	Rupali Deshmukh	RUPALI N. DESHMUKH	FCRIT	✓	[Signature]
33.	Archana Gupta	ARCHANA GUPTA	KJSCE	✓	[Signature]

\*Kit consists of: Bag, Writing pad, Pen, Programme Schedule, I Card

Sr.No.	Name of the participant	Name to be printed in the Certificate	Name of the Institute/ Industry	Kit provided	Signature with reporting date
34.	Samarth	Samarth	FCRIT	✓	[Signature]
35.					
36.					

Staff Coordinator

HOD





*Fr. C. Rodrigues Institute of Technology, Vashi*

**Department of Computer Engineering**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

---

### Activity / Event Photographs



*Group photo of participants, course coordinators & Program coordinator  
(Date: 24/10/2016)*

  
Staff Coordinator

  
HOD



# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Computer Engineering**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### **Event-2**

## **One day Faculty Development Program (FDP) on “Enterprise Packaged Application” (15<sup>th</sup> June, 2017)**

### **Brief Activity/Event Report**

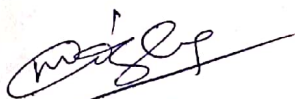
- 1) Name of the Activity/Event      One day Faculty Development Program (FDP) on  
“Enterprise Packaged Application”
- 2) Activity/Event Venue & Date      Wireless Lad-4<sup>th</sup> Floor(old building), 15<sup>th</sup> June, 2017
- 3) Nature of Participants      Faculty from computer department of the Institute
- 4) Number of Participants      9
- 5) Staff Coordinator      Mr. Mrintunjay. Ojha
- 6) Brief Summary of the Activity/Event (in maximum 500 words):

#### **a) Objective:**

Tata Consultancy Services Limited is an Indian multinational information technology service and consulting company headquartered in Mumbai, Maharashtra, India. TCS is conducting Faculty development Program referring to a range of activities that are perceived to help academicians in improving their professional skills that are vital for carrying out their teaching, research or administrative activities. Faculty Development Programs are conducted as per the recommendations of Industrial Experts to share the knowledge pertaining to the present industrial activities.

#### **b) Technical Description:**

“Enterprise Packaged Application” provide comprehensive and cost-effective management of packaged applications. Packaged application implementation framework maximizes the value of whatever software package and vendor we select for implementation. By modelling system and process changes, critical business decisions can be reviewed and finalized well in advance of system configuration. By modelling change as early as possible in the project, we get broader and better buy-in from impacted users, more control over budgets and timelines, and greater efficiencies from system experts provided by packaged application vendor. Packaged Application Services include a set of offerings that provide customers with ongoing support and maintenance for dominant packages. They provide the skills, expertise, processes, tools and methodologies needed to manage package application implementation. The offerings provide flexible and effective ongoing support that is crucial for organization to realize a return on investment in the application. Which will work with to build a stable application environment and implement processes with defined service levels -- enabling us to better predict and reduce the costs associated with your packaged applications.

  
Staff Coordinator

  
HOD





*Agnel Charities*

Pt. C. Rodrigues Institute of Technology, Vashi, Navi-Mumbai  
Department of Computer Engineering

## Attendance of FDP on

### "Enterprise Packaged Application"

Resource Person-Mr. Hemant T

Date-15/06/2017

Sr. No.	Teaching Staff Name	Signature
1.	Dr. Lata Ragha	<i>Net</i>
2.	M. Kinadhika	<i>Net</i>
3.	Mrs. Smita D	<i>Smita D</i>
4.	Mrs. Shweta T	<i>Shweta</i>
5.	Mrs. Rakhi K	<i>Rakhi K</i>
6.	Mrs. Sandhya P	<i>Sandhya P</i>
7.	Mrs. Shapulla R	<i>Shapulla R</i>
8.	Mrs. Kavita S	<i>Kavita S</i>
9.	Mr. Montyraj O	<i>Montyraj O</i>

*Net*  
Dr. Lata Ragha

(HOD- Computer Dept)





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Computer Engineering**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### **Event-3**

## **One day Faculty Development Program (FDP) on “Agile Project Implementation” (15<sup>th</sup> June, 2017)**

### **Brief Activity/Event Report**


- 1) Name of the Activity/Event      One day Faculty Development Program (FDP) on  
“Agile Project Implementation”
- 2) Activity/Event Venue & Date      Wireless Lab-4<sup>th</sup> Floor(old building), 15<sup>th</sup> June, 2017
- 3) Nature of Participants              Faculty from computer department of the Institute
- 4) Number of Participants              9
- 5) Staff Coordinator                    Mr. Mrintunjay. Ojha
- 6) Brief Summary of the Activity/Event (in maximum 500 words):

#### **a) Objective:**

Tata Consultancy Services Limited is an Indian multinational information technology service and consulting company headquartered in Mumbai, Maharashtra, India. TCS is conducting Faculty development Program referring to a range of activities that are perceived to help academicians in improving their professional skills that are vital for carrying out their teaching, research or administrative activities. Faculty Development Programs are conducted as per the recommendations of Industrial Experts to share the knowledge pertaining to the present industrial activities.

#### **b) Technical Description:**

**Agile is a project management methodology** that uses short development cycles called “sprints” to focus on continuous improvement in the development of a product or service. Although designed originally for the software industry, many industries now use agile when developing products and services because of the highly collaborative and more efficient nature of the methodology. Some agile methods include: Scrum, Kanban, Lean (LN), Dynamic System Development Model, (DSDM), Extreme Programming (XP), Crystal, Adaptive software development (ASD), Agile Unified Process (AUP), Crystal Clear methods, Disciplined agile delivery, Feature-driven development (FDD), Scrumban, RAD(Rapid Application Development)

  
Staff Coordinator

  
HOD





## *Fr. C. Rodrigues Institute of Technology, Vashi*


### **Department of Computer Engineering**

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Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619










Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)


### **List of Participants**

 *Agree! Cherishes*  
Fr. C. Rodrigues Institute of Technology, Vashi, Navi-Mumbai  
Department of Computer Engineering

**Attendance of FDP on**  
**"Agile Project Implementation"**

**Resource Person-Mr. Sourav Singla      Date-15/06/2017**

Sr. No.	Teaching Staff Name	Signature
1.	Dr. Lata Ragna	
2.	M. Karthika	
3.	Mrs. Smrita D	
4.	Mrs. Shweta T	
5.	Mrs. Ruchi S	
6.	Mrs. Sandhya R	
7.	Mrs. Shagun R	
8.	Mrs. Kavita S	
9.	Mr. Anshuman D	

  
Dr. Lata Ragna  
(HOD- Computer Dept)



# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Computer Engineering

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### Event-4

#### One day Faculty Development Program (FDP) on "SAP HANA"

(14<sup>th</sup> October, 2016)

#### Brief Activity/Event Report

- 1) Name of the Activity/Event One day Faculty Development Program (FDP) on "SAP HANA"
- 2) Activity/Event Venue & Date Internet Lab-Computer center 14<sup>th</sup> October, 2016
- 3) Nature of Participants Faculty from computer department of the Institute
- 4) Number of Participants 8
- 5) Staff Coordinator Mr. Mrintunjay. Ojha
- 6) Brief Summary of the Activity/Event (in maximum 500 words):

##### a) Objective:

Tata Consultancy Services Limited is an Indian multinational information technology service and consulting company headquartered in Mumbai, Maharashtra, India. TCS is conducting Faculty development Program referring to a range of activities that are perceived to help academicians in improving their professional skills that are vital for carrying out their teaching, research or administrative activities. Faculty Development Programs are conducted as per the recommendations of Industrial Experts to share the knowledge pertaining to the present industrial activities.

##### b) Technical Description:

SAP HANA (high-performance analytic appliance) is an application that uses in-memory database technology that allows the processing of massive amounts of real-time data in a short time. The in-memory computing engine allows HANA to process data stored in RAM as opposed to reading it from a disk. This allows the application to provide instantaneous results from customer transactions and data analyses. SAP HANA is designed to process structured data from relational databases, both SAP and non-SAP, and applications and other systems rapidly. It is capable of using three styles of data replication depending on the source of the data – log-based, ETL-based and trigger-based. The relocated structured data is stored directly in memory. Because of this, data can be accessed quickly in real time by the applications that use HANA.

SAP HANA supports various use cases for real-time analytics. Some examples include:

- Monitoring and optimization of telecommunications network
- Supply chain and retail optimization
- Fraud detection and security
- Forecasting and profitability reporting
- Energy use optimization and monitoring

  
Staff Coordinator

  
HOD





## Fr. C. Rodrigues Institute of Technology, Vashi

### Department of Computer Engineering

Sector - 9A, Vashi, Navi Mumbai - 400 703, INDIA.

Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### List of Participants

**Computer Engineering Department**  
**Faculty Development Program**  
Date : 14/10/2016

Topic Name : HANA  
Resource Person : Mr. Milind Chavan ( TCS )  
PROJECT MANAGER

Sr. No	Staff Name	Signature
	Teaching Staff	
1	Ms. M. Kiruthika	
2	Mr. Amroz S.	
3	Ms. Vijayalakshmi	
4	Ms. Smita D.	
5	Ms. Shweta T.	
6	Ms. Rakhi Kalantri	
7	Ms. Sandhya Pati	
8	Ms. Shagufta R.	
9	Ms. Kavita S.	
10	Ms. Dakshayani	
11	Mr. Mritunjay O.	
12	Mr. Rahul J.	
13	Ms. Deepshree	

Mr. Milind Chavan  
Project Manager



**Fr. C. Rodrigues Institute of Technology, Vashi**

**Department of Mechanical Engineering**

Sector - 9A, Vashi, Navi Mumbai - 400 703, INDIA.

Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

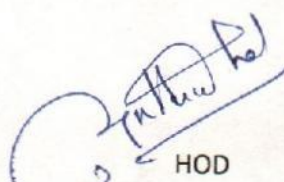
Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

**ACADEMIC YEAR 2016 - 2017**

**List of Events**

Sr. No.	Name of FDP/STTP	Date	Coordinator/Convener
1.	Three Days Hands on Course on "Measurement and Virtual Instrumentation"	21 <sup>st</sup> - 23 <sup>rd</sup> June, 2017	Dr. Nilaj Deshmukh

  
Staff Coordinator

  
HOD





**Fr. C. Rodrigues Institute of Technology, Vashi**

**Department of Mechanical Engineering**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

---

**Event-1**

**Three Days Hands on Course on "Measurement and Virtual Instrumentation"**

**21<sup>st</sup> - 23<sup>rd</sup> June, 2017**

**Brochure/Invitation**



*Agnel Charities*

**Fr. C. Rodrigues Institute of Technology, Vashi**

**Three Days hands-on Course**

**on**

**Measurement and Virtual Instrumentation**

**Course Contents**

Study of different types of Sensors, Characteristics of Sensors, Selection of Sensors, Calibration Types of Data Acquisition (DAQ) Systems, Hardware Configuration, Introduction to Labview Programming, Designing the Software, Basic Programming, Programming Loops and Structures

**Live Projects on:**

- Temperature measurement and control
- Acoustic Measurement
- Pressure Measurement
- Flow Measurement
- Strain Measurement
- Speed Measurement

**Course Duration:** 20 Hrs (3 Days)

**Date:** 21 – 23, June 2017

**Limited Number of Participants:** 30

**Course Fees:** Rs 3000/- (External Students), Rs.2000/- (Internal Students)

**Contact**

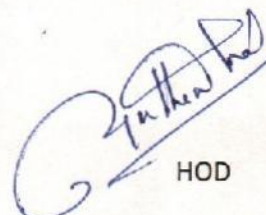
**Dr. Nilaj N. Deshmukh**

Department of Mechanical Engineering

Fr. C. Rodrigues Institute of Technology, Vashi, India 400703

[nilaj.deshmukh@fcrit.ac.in](mailto:nilaj.deshmukh@fcrit.ac.in) , [nilajdeshmukh2000@gmail.com](mailto:nilajdeshmukh2000@gmail.com), 9867167754

  
Staff Coordinator

  
HOD



*Fr. C. Rodrigues Institute of Technology, Vashi*

**Department of Mechanical Engineering**

Sector - 9A, Vashi, Navi Mumbai - 400 703, INDIA.

Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

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**Registration Form**

Please submit the registration form along with course fees Cheque /DD in the name of "Fr. CRIT" to contact person. We will complete your registration once payment is received.

**Please print in block letters.**

Surname: \_\_\_\_\_ First Name: \_\_\_\_\_

Name as you would like it on your certificate:

Gender: Male ( ) Female ( )


Degree/ Diploma: \_\_\_\_\_ Year: \_\_\_\_\_

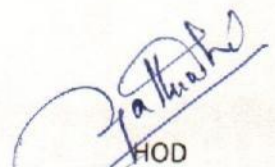
Institution / Organization:

Mailing Address:

Mobile Number: \_\_\_\_\_ E-mail: \_\_\_\_\_

**Signature**

  
Staff Coordinator

  
HOD





---

**Brief Activity/Event Report**

- 1) Name of the Activity/Event : Three Days Hands-on Course on  
Measurement and Virtual  
Instrumentation"
- 2) Activity/Event Venue & Date : Measurement Lab (21<sup>st</sup> - 23<sup>rd</sup> June, 2017)
- 3) Nature of Participants : Students and faculty members from different  
Engineering colleges.
- 4) Number of Participants : 09
- 5) Student Coordinator : Dr. Nilaj Deshmukh
- 6) Staff Coordinator : Dr. Nilaj Deshmukh
- 7) Brief Summary of the Activity/Event (in maximum 500 words):

a) **Objectives** : Provide Knowledge of Measurement Techniques and  
Virtual Instrumentation.

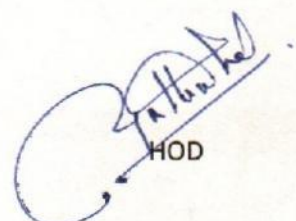
b) **Technical Description** :

The three days hands on training program covered different topics like Sensors, Characteristics of sensors, Calibration, Types of Data Acquisition System (DAQ), Hardware configuration, Introduction to Labview Programming, Designing the software, Basic Programming, Programming Loops and Structures. Besides, live projects on Temperature measurement and control, Acoustic Measurement, Pressure Measurement, Flow Measurement, Strain Measurement and Speed Measurement were conducted.

c) **Outcomes** : Participants were able to

- Understand different types of sensors and Data Acquisition Systems (DAQ).
- Develop skills on Virtual Instrumentation using LabView.
- Develop skills on different measurement devices.

  
Staff Coordinator

  
HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

Sector - 9A, Vashi, Navi Mumbai - 400 703, INDIA.  
Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619  
Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### List of Participants

#### Agnel Charities

Fr. C. Rodrigues Institute of Technology, Vashi  
Three Days hands-on Training Course on  
Measurement and Virtual Instrumentation  
21-23, June 2017

#### Candidates Registration Details

Sr. No.	Name	Institute	Email	Registration Fees details
1	Aditya Kalidas Nair	Fr.CRIT, Vashi	<a href="mailto:aditya.kalidas@gmail.com">aditya.kalidas@gmail.com</a> 9664300026	Standard Chartered Bank Fort, Mumbai-400001 Cheque - 000136 Amt- 2000/-
2	Rahane Pruthviraj Pratap	PIIT, Panvel Ph. D. Student	<a href="mailto:prahane@mes.ac.in">prahane@mes.ac.in</a> 9892540955	State Bank of Travancore Vichumbe Branch-71073 Panvel Cheque - 578203 Amt - 2000/-
3	Atul V. Shenoy	Fr.CRIT, Vashi	<a href="mailto:atulshenoy15@gmail.com">atulshenoy15@gmail.com</a> 9819535484 / 9820971672	Indian Overseas Bank Vashi - 400705 Cheque - 098029 Amt - 2000/-
4	Nair Amith Pradeep Kumar	Manipal University, Jaipur	<a href="mailto:amithpradeep97@gmail.com">amithpradeep97@gmail.com</a> 9869135079	Axis Bank Ltd, Mulund Mumbai - 400080 Cheque - 243892 Amt - 3000/-
5	Nair Ajith Pradeep Kumar	Fr.CRIT, Vashi	<a href="mailto:ajithnair.vandersa@gmail.com">ajithnair.vandersa@gmail.com</a> 9619331539	Axis Bank Ltd, Mulund Mumbai - 400080 Cheque - 243893 Amt - 2000/-
6	Naikdhure Aditya Sanjay	Fr.CRIT, Vashi	<a href="mailto:naikdhureaditya@gmail.com">naikdhureaditya@gmail.com</a> 9969065976	The Bharat Co-op Bank (Mumbai-081) Ltd Cheque no.: 424252 Amt: 2000/-
7	Kadam Akash Angad	Fr.CRIT, Vashi	<a href="mailto:kadamash97@gmail.com">kadamash97@gmail.com</a> 8369092799	DNS bank Bhiwandi Cheque No. 152419 Amt: 2000/-
8	Pathan Shamin Sattarkhan	Fr.CRIT, Vashi	<a href="mailto:shamin19pathan@gmail.com">shamin19pathan@gmail.com</a> 9220055866	---
9	Zarar Karbelkar	Kalsekar College, Panvel	<a href="mailto:zararfaisal@gmail.com">zararfaisal@gmail.com</a> 70397881205	Bank of India Kharghar Cheque no: 007313 Amt: 3000/-
Total Amount				18000/-

*[Signature]*  
Staff Coordinator

*[Signature]*  
HOD





**Fr. C. Rodrigues Institute of Technology, Vashi**  
**Electronics and Telecommunication Engineering Department**

Sector - 9A, Vashi, Navi Mumbai - 400 703, INDIA.  
Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619  
Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

**ACADEMIC YEAR 2016 - 2017**

**List of Events**

Sr. No.	Name of FDP/STTP	Date	Coordinator/Convener
1.	One Days FDP on "IE3D software training"	7 <sup>th</sup> - April, 2017	Ms. Amruta P.

Staff Coordinator

8E1

HOD



**Fr. C. Rodrigues Institute of Technology, Vashi**  
**Electronics and Telecommunication Engineering Department**

Sector - 9A, Vashi, Navi Mumbai - 400 703, INDIA.  
Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619  
Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

**Event-1**  
**One Day Course on "IE3D software Training"**  
**7<sup>th</sup> April, 2017**

**Brief Activity/Event Report**

1. Name of the Activity/Event : Staff Training workshop on "IE3D software training"
2. Activity/Event Venue & Date : AX502, 7<sup>th</sup> April 2017
3. Nature of Participants : Staff of Electronics and Telecommunication
4. Number of Participants : 16
5. Staff Coordinator : Ms. Amruta Pabarekar
6. Brief Summary of the Activity/Event (in maximum 500 words):

The resource person was Mr. Sumit Patil, Associate Technical Manager (EDA) TECHLABS. Pune.

- a. Objectives : The objective of this session is to have an overview of various softwares used in Machine learning.

- b. Technical Description:

IE3D is the first SCALABLE EM design and verification platform that delivers the modeling accuracy for the combined needs of high-frequency circuit design and signal integrity engineers across multiple design domains. For many companies, there is no longer just one EM problem at hand, but several different ones each presenting a unique bottleneck and delaying overall design closure. IE3D's multi-threaded and distributed simulation architecture and high-design capacity is the most cost-effective EM simulation and modeling solution for component-level and circuit-level applications. IE3D offers the highest simulation capacities and fastest turnaround times for the broadest number of applications making it the best choice for improving your design team productivity and meeting design schedules on time.

The workshop was aimed at training faculty members in IE3D software for performing simulations in the field of antennas.

- c. Outcomes : Staff members were able to write few programs for designing antenna using IE3D software. This workshop has resulted in mapping PO1 (Knowledge) and PO12 (Life-long learning).





**Fr. C. Rodrigues Institute of Technology, Vashi**  
**Electronics and Telecommunication Engineering Department**

Sector - 9A, Vashi, Navi Mumbai - 400 703, INDIA.  
Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619  
Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

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- d. Summary of Feedback : It would be better if we have more days to the hands on sessions.
- e. Action to be Taken based on Feedback: The feedback from staff members have been noted.

Staff Co-ordinator

  
HOD

Staff Coordinator

  
HOD



# Fr. C. Rodrigues Institute of Technology, Vashi

## Electronics and Telecommunication Engineering Department

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Telephone: 022-2777 1000, 2766 1924, 2766 0618 Fax: 2766 0619  
Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### List of Participants

Fr. C. Rodrigues Institute of Technology, Vashi  
Department of Electronics & Telecommunication Engineering

Date: 07/04/2017

#### STAFF TRAINING WORKSHOP

Time: 11

After break

Sr. No.	Staff Name	Signature
1	Dr. Anil Shah	Ab
2	Ms. Saurana Pal	Ab
3	Ms. Megha Kolhekar	Ab
4	Ms. Savitha Upadhy	<del>Ab</del>
5	Ms. Pushpa U. S	<i>Pushpa U. S</i>
6	Ms. Smita Chopde	<i>Smita Chopde</i>
7	Ms. Anurag Choudhary	<i>Anurag</i>
8	Mr. Ashish Harsola	Ab
9	Ms. Nilashree Wankhede	<i>Nilashree Wankhede</i>
10	Mr. Yogesh Chandurka	<i>Yogesh Chandurka</i>
11	Ms. Smita Hande	<i>Smita Hande</i>
12	Ms. Anil Jadhav	<i>Anil Jadhav</i>
13	Ms. Manita Rajput	<i>Manita Rajput</i>
14	Ms. Siddhesh Nair	<i>Siddhesh Nair</i>
15	Ms. Anurita Mhatre	<i>Anurita Mhatre</i>
16	Ms. Sneha Revankar	<i>Sneha Revankar</i>
17	Mr. Jay V. Desai	<i>Jay V. Desai</i>
18	Ms. Keerthi Unni	<i>Keerthi Unni</i>
19	Mr. Vijay Satore	<i>Vijay Satore</i>
20	Ms. Srikala Nair	Ab
21	Mr. Santosh M.	<i>Santosh M.</i>
22	Mr. Sameer Jadhav	Ab
23	Mr. Prashant	<i>Prashant</i>

*[Signature]*  
Staff Coordinator

88  
HOD





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Electrical Engineering**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

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### **List of Activities (2016-17)**

<b>Sr. No.</b>	<b>Name of the Activity/Event</b>	<b>Duration</b>	<b>No. of days</b>	<b>Staff Incharge</b>
1	ISTE approved one-week short term training Programme on ""RELIABILITY IN ELECTRICAL AND ELECTRONIC SYSTEMS"" organized by Department of Electrical Engineering, FCRI, Vashi	June 27 <sup>th</sup> – July 1 <sup>st</sup> , 2017	5	Seema J.

*B. S. Chawla*



**Short Term Training Programme on  
"RELIABILITY IN ELECTRICAL AND  
ELECTRONIC SYSTEMS"  
REGISTRATION FORM**

Name : Keta-S-Bhatt  
Age : 20  
Designation : SE NHITM EEC  
Institute/Industry: NHITM  
Mailing Address : sonyabbatteni@gmail.com  
Address: SEEMA VARBHAV, CHS,  
A wing, SYNDICATE, KALYAN  
Tel. No : (C/W)  
E-Mail : sonyabbatteni@gmail.com  
Qualification : SE, ETE  
Experience : —  
Accommodation required : YES/NO ✓  
I agree to abide by rules and regulations governing the above STTP.

Date: 22/6/17 Signature of applicant [Signature]

**Recommendation of Employer**  
The applicant will be permitted to participate in the above program, if selected.  
Date: \_\_\_\_\_ Signature \_\_\_\_\_  
Name & Designation of \_\_\_\_\_  
the Sponsoring Authority with Seal

**PATRONS**

- Rev. Fr. Saturnino Almeida, Managing Director, ATEC, Vashi.
- Rev. Fr. L. Dias, Procurator, ATEC, Vashi.
- Fr. Ivon Almeida, Assistant Managing Director, ATEC Vashi.

**ADVISORY COMMITTEE**

- Dr. S. M. Khot, Principal, Fr. C.R.I.T., Vashi.

**CONVENER**

Dr. Bindu S., Professor and Head,  
Department of Electrical Engineering,  
Mobile: 09819220504  
E-mail: bindubalu@rediffmail.com

**COURSE CO-ORDINATOR**

Mrs. Seema Jadhav, Mob: 09969302048  
E-mail: mrnumai\_seema@rediffmail.com

**MEMBERS OF ORGANISING COMMITTEE**

- Dr. Sushil Thale, Mob: 09869396998
- Mrs. Poornima Rao, Mob: 09769235052

**Department Vision:**

To provide world class education through effective teaching learning process, research based activities and industrial collaboration to produce professionally, ethically and socially responsible electrical engineers.

**Department Mission:**

1. To provide students with basic foundation in the traditional and modern areas of Electrical Engineering.
2. To provide quality education with projects, research and industry collaborations.
3. To develop electrical engineers with ethical values who can effectively solve techno-social problems.

**ISTE APPROVED  
SHORT TERM TRAINING PROGRAMME**

on

**"RELIABILITY IN ELECTRICAL AND  
ELECTRONIC SYSTEMS"  
(June 27<sup>th</sup> to July 01<sup>st</sup>, 2017)**



**Organized by**

Department of Electrical Engineering  
Fr. C. Rodrigues Institute of Technology  
Sector 9A, Vashi,  
Navi Mumbai - 400 703.  
Phone: 022 27771000 Extn. 164  
Fax: 022 27660619



[www.fcrit.ac.in](http://www.fcrit.ac.in)



## SCOPE OF STTP

Scarcity of time and resources and the need for efficiency have forced designers to look for improved designs. Often, it is a challenge for engineers to design efficient and cost effective systems without compromising the integrity of the system. Reliability engineering is a professional discipline which combines knowledge in statistics and engineering for the purpose of quantitatively evaluating, predicting, measuring and improving the reliability of products.

Reliability engineering procedures have been applied to a vast array of products, like machines, structures, computer software and materials etc. It makes use of the analysis tools which are generated from the collective knowledge assembled within the discipline for its practitioners. These analysis tools will prove useful as justification for the design changes, corrective actions and planning decisions which directly improve product reliability. Approaching a reliability task from the correct perspective is required to obtain valid results.

This workshop intends to impart a general theoretical and practical background in the areas of Reliability in Electrical, Electronics and Power Electronic systems. The participants will be introduced to design of reliable power system and renewable energy systems. Regulatory and policy issues etc. will also be discussed in the programme.

## PROFILE OF THE INSTITUTE

Fr. C. Rodrigues Institute of Technology (Fr. CRIT) is one of the leading academic institutions of Mumbai University. It was established in 1994 at Vashi, Navi Mumbai as a part of the Agnel Technical Education Complex. Apart from academic excellence the campus is also reputed for its extensive facilities that have led to it being awarded an 'A' grade by the Directorate of Technical Education, Maharashtra

light from its inception. All the five undergraduate engineering programmes (Computer, Mechanical, Electrical, Electronics & Telecommunication and Information Technology) of the institute were accredited in August 2012 by the National Board of Accreditation, New Delhi. The institute is also recognized by the AICTE and is dedicated to fulfilling the following missions:

- To provide industry oriented quality education.
- Provide holistic environment for overall personal development
- To foster relationship with other institute of repute, alumni and industries.

## ABOUT THE DEPARTMENT

The department offers BE (Electrical Engineering), ME (Power Electronics and Drives) and PhD programmes. The department has well-qualified faculty and well equipped laboratories and other infrastructure. The department regularly conducts seminars, project contests and short-term courses for the benefit of students, academicians and industry personnel.

## OBJECTIVES OF THE COURSE

- To give an overview on Reliability in various fields of Engineering.
- To provide knowledge on applications of reliability engineering in Electrical and Electronics systems.
- To impart exposure to the research activities in the reliability engineering.

## COURSE CONTENT

Following topics in engineering research are covered with practical sessions on:

- Reliability in various fields of Engineering

- Reliability issues in smart grid and Renewable energy systems
- Reliability in Electrical and Electronics circuits.

## FACULTY

The speakers will be from IIT Bombay, VIT, BARC, industry etc. The demo & practical sessions will be conducted by experts from the industry and the institutes.

## ACCOMMODATION

Participants who desire accommodation in the campus are requested to indicate so in the registration form. Accommodation will be provided at a nominal rate for limited number of delegates.

**Note:** Photocopy or downloaded copy of the registration form can also be used

## REGISTRATION FEES:

**Teachers (ISTE Members):** Rs. 2000/-  
**Teachers (non - ISTE Members):** Rs. 3500/-  
**Industry Professionals:** Rs. 8000/-  
**Students:** Rs. 2000/-

The teachers sponsored by their respective institutions and others are required to send the registration form, duly filled, along with a bank demand draft in favour of "PRINCIPAL-FCRIT" payable at Vashi, Navi Mumbai.

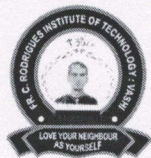
## IMPORTANT DATES:

**Last date to receive application:** 19 June 2017  
**Last date for confirmation to participants:** 20 June 2017

## HOW TO REACH:

Nearest railway terminus : Vashi Station  
Nearest Bus depot : Vashi Depot.  
Landmark : Noor Masjid





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Electrical Engineering**

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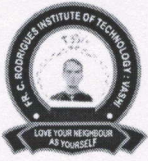
### **Brief Activity/Event Report (2016-17)**

- 1) Name of the Activity/Event : ISTE approved one-week Short term training  
Programme on "RELIABILITY IN ELECTRICAL AND  
ELECTRONIC SYSTEMS" (June 27<sup>th</sup> – July 1<sup>st</sup> , 2017)
- 2) Activity/Event Venue & Date : Wireless lab (June 27<sup>th</sup> – July 1<sup>st</sup> , 2017)
- 3) Nature of Participants : Faculty from different Engineering colleges and ME  
students.
- 4) Number of Participants : 14 (including ME students)
- 5) Student Coordinator : Volunteers from 2<sup>nd</sup> and 3<sup>rd</sup> year Electrical class
- 6) Staff Coordinator : Mrs. Seema M.Jadhav
- 7) Brief Summary of the Activity/Event (in maximum 500 words):
  - a) **Objectives** : To give an overview on Reliability in various fields of  
Engineering, To provide knowledge on applications of Reliability Engineering in  
Electrical and Electronics Systems, To impart exposure to research activities in  
Reliability Engineering.
  - b) **Technical Description** : The five days STTP on "RELIABILITY IN ELECTRICAL AND  
ELECTRONIC SYSTEMS" covered various sessions on Applications of Reliability  
Engineering in different fields. Sessions were taken by experts from various institutions  
and industries. The sessions were taken on topics like "Importance of Reliability Analysis  
in Engineering Applications", "Industry perspective in reliable system design",  
"Emergence of Renewable energy and Reliability issues", "Introduction to Reliability  
Engineering", "Power system Reliability", "Reliability in Project Management" ,  
"Reliability in power system protection", "Applications of Reliability in Electronics  
systems", "Smart grid cyber security and Reliability", "Power Quality and Reliability",  
"Reliability in Power Electronics systems". Tutorial sessions were taken on "Monte carlo  
simulation", "System Reliability", "LoLP and LoEE".
  - c) **Outcomes** : Participants were able to -
    - i. Understand basic concepts about Reliability Engineering.

*Seema*

*B. Jadhav*





*Fr. C. Rodrigues Institute of Technology, Vashi*

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- 
- ii. Understand Application of Reliability in various fields like power Quality, Power System Engineering, Power Electronics, Power System Protection.
  - iii. Get knowledge about Reliability issues in upcoming fields like Smart grid and Cyber Security.

*Lee*

*B. B. B. B.*



**AICTE-ISTE Approved Short Term Training Programme on  
"Reliability in Electrical and Electronic Systems"**

**(June 27<sup>th</sup> – July 1<sup>st</sup>, 2017)**

**Attendance Sheet**

Date: 30/6/17.

Sr. No.	Name	Sign Session I	Sign Session II	Sign Session III	Sign Session IV
1	Ms Rashmi Kale				
2	Ms Priti Sathe				
3	Ms Ruchi Harchandani				
4	Mr. Yogesh K				
5	Mr Arun N Gawande				
6	Mr Vijay V. Bhosale				
7	Ms Ekta S Bhatt				
8	Ms Alisha Jha				
9	Ms Prachi Sagwekar				
10	Ms Esther Jennifer				
11	Mr Abhishek Shiwalkar				
12	Mr Rajendra Soni				
13	Ms Lavanya Ashok Swaminathan				
14	Ms Swapna Manurkar				

Leed





ISTE Approved  
Short Term Training Programme  
On  
RELIABLE & IN ELECTRIC  
ELECTRONIC SYSTEMS

419  
415  
24  
23  
22



## **ACADEMIC YEAR 2016 - 2017**

### **List of Events**

Sr. No	Event name	Date of Event	Coordinator
1	DesignTech Pvt. Ltd. and IT department has jointly organized a Mathwork workshop on “Designing and Implementing Signal Processing, Computer Vision and Communications Systems using MATLAB and Simulink”	April 14,2016	Mrs. Archana S.



FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY, VASHI

Department of Information Technology

**NOTICE**

This is to inform you that DesignTech Pvt. Ltd. and IT department has jointly organized a Mathwork workshop on “**Designing and Implementing Signal Processing, Computer Vision and Communication Systems using MATLAB and Simulink**” for teaching staff of Mumbai University colleges on 15/04/2016 at from 9:00am – 1:30pm in seminar hall.

Kindly requesting all to attend the workshop.

Thank you.



Ms. Archana S.

IT coordinator

**Invitation Of Mathworks Workshop On 12th April**

Sagar Gawande <sagar.gawande@designtechsys.com>  
 To: vijalaj2001@gmail.com; archanashirke25@gmail.com  
 Cc: principalcrt@gmail.com

Wed, Apr 6, 2016 at 6:35 PM

Dear Madam,

Please find the below E-Mailer for our MATLAB seminar on 12<sup>th</sup> April 2016. We request you & your colleagues to register for this workshop.

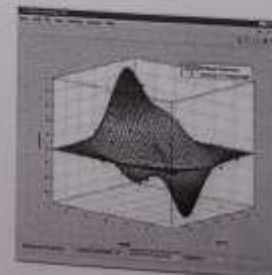
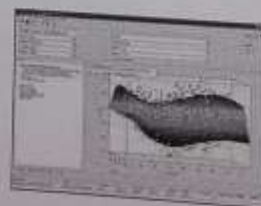
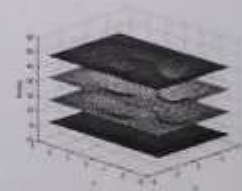
[View this message in desktop](#)



● Please Visit us at:

Designing and Implementing  
 Signal Processing, Computer  
 Vision and Communication  
 Systems using MATLAB and  
 Simulink

Venue: Fr. C. Rodrigues Institute of  
 Technology, Agnel Technical  
 Education Complex, Sector-9A,  
 Vashi, Navi Mumbai- 400703.





Dates: 12th April, 2016

[View All >>](#)

[Click to Register](#)

### ● Designing and Implementing Signal Processing, Computer Vision and Communication Systems using MATLAB and Simulink

Join us for a complimentary seminar to see how MathWorks tools, with their rich modeling and computational capabilities can help accelerate the pace of learning, discovery, and research in engineering education.

Incorporating MathWorks tools into an engineering curriculum enables students to investigate what-if scenarios and experiment with data, algorithms, and models. They gain proficiency in problem solving, analysis, and design while using industry-standard tools.

In this seminar, the Application Engineer will demonstrate how engineering curricula can be enhanced with the incorporation of MATLAB and Simulink. The presentation will cover capabilities in MATLAB and Simulink - like System Toolboxes for Signal Processing, Computer Vision and Communication systems and automatic C code generation from MATLAB and Simulink for deployment on low cost hardware like Beagleboard. The attendees will also gain insight of the new toolboxes for advance communication systems design.

This seminar has been designed to be an 'instructors only' seminar. If you are a student, please do not register for this seminar. You are however welcome to forward the invitation to your instructors.

Time	Agenda
09:30 am - 10:00 am	Registration
10:00 am - 10:15 am	Welcome Address
10:15 am - 11:45 am	<b>Signal Processing and Communications System Design</b> <ul style="list-style-type: none"><li>• Introduction to system objects</li><li>• Digital filter design and analysis</li><li>• Advanced wireless communications systems design</li><li>• Simulation acceleration</li></ul>
11:45 am - 12:00 pm	Tea/Coffee Break
12:00 pm - 01:30 pm	<b>Image Processing and Computer Vision System Design</b> <ul style="list-style-type: none"><li>• Object Detection and Tracking</li><li>• Stereo vision workflow (camera calibration, point cloud processing and 3D scene reconstruction)</li><li>• Working with large images, large image datasets and live video</li><li>• Working with low-cost hardware platforms such as Raspberry Pi and Beagle Bone Black</li></ul>
01:30 pm onwards	Wrap -up and Lunch



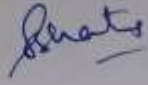


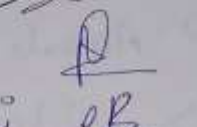



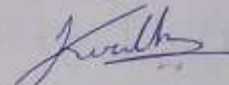


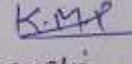
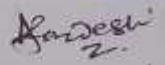
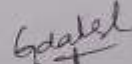
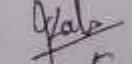




To Request for More Information or To Register [Click Here >>](#)

# Mathworks workshop

on 12 April 2016

S.R. No.	Name	College	Sign
①	Shilpa Verma	T.S.E.C.	<u>Shilpa</u>
2)	Gayatri Gurrav	P.V. Polytechnic SNDT Women's University	<u>Gayatri</u>
3)	Manita Rajput	FCRIT, Vashi	<u>M.R. Rajput</u>
4)	Anita Tadhar		<u>Anita</u>
5)	Amruta Mhatre	FCRIT, Vashi	<u>Amruta</u>
6)	Nilashree Wankhede	FCRIT, Vashi	<u>Nilashree</u>
7)	Keerthi Ummi	FCRIT, Vashi	<u>Keerthi</u>
8)	Divya. M	FCRIT, Vashi	<u>Divya</u>
9)	Smita Hande	FCRIT, Vashi	<u>Smita</u>
10)	Nishan P.	FCRIT Vashi	<u>Nishan</u>
11)	Mrs V.A. Pawale	TEC, Nerul	<u>V.A. Pawale</u>
12)	Mrs. S. Dashmali	—	<u>S. Dashmali</u>
13)	Seema B. Jay	TEC Nerul	<u>Seema</u>
14)	Dhanashree Madwal	FCRIT, Vashi	<u>Dhanashree</u>
15)	Rakhi Kalaritri	FCRIT, Vashi	<u>Rakhi</u>
16)	Neelam M. Gaurud	VESIT, Chembur	<u>Neelam</u>
17)	Prachi V. Joshi	VESIT, Chembur	<u>Prachi</u>
18)	Sushma Nagdeale	Fr. CRCE, Bandra	<u>Sushma</u>
19)	Bincy Joseph	Fr. CRCE, Bandra	<u>Bincy</u>
20)	Wategaonkar S.R.	BVCOE, NM	<u>S.R.</u>
21)	Ingale N.R.	BVCOE, NM, Kharvel	<u>Ingale</u>
22)	Poonam P. Bari	Fr. CRIT Vashi	<u>Poonam</u>



SR No.	Name	College	
23)	Kalpana Wani	Fr. C.R.I.T. Vashi	
24)	Nitin P. Chawande	ACPCE	
25)	Shrishti Bhatia	TSEC	
26)	Rupali Deshmukh	Fr. C.R.I.T. Vashi	
27)	Mrs. P.B. Vijayalakshmi	"	
28)	Mrs. Archana Shirke	"	
29)	Pamrita Das	Fr. CRIT, Vashi	
30)	Chetana Badgajar	Fr. CRIT, Vashi	
31)	Rahul Jadhav	Fr. C.R.I.T. Vashi	
32)	Trupti Lotlikar	Fr. CRIT, Vashi	
33)	Smita Rukhane	Fr. CRIT, Vashi	
34)	Dr. D.R. Ingle	BVCE Navi Mumbai	
35)	Khushbu P	Fr. CRIT Vashi	
36)	Anandkumar Pardeshi	Fr. CRIT VASHI	
37)	Dalshayani G	Fr. CRIT Vashi	
38)	Kavita Shelke	Fr. CRIT Vashi	
39)	Shweta Tripathi	Fr. CRIT Vashi	
40)	Smile Dange	Fr. C.R.I.T. Vashi	
41)	P. Sandhya	Fr. CRIT Vashi	
42)	Shagufa R	Fr. CRIT Vashi	



*Agnel Charities'*

**Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai.**

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**Academic Year  
2015-16**





*Fr. C. Rodrigues Institute of Technology, Vashi*

**Department of Computer Engineering**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

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**ACADEMIC YEAR 2015 - 2016**

**List of Events**

Sr. No.	Name of FDP/STTP	Date	Coordinator/Convener
1.	One week STTP on “Digital and Cyber Forensics ”	28 <sup>th</sup> December, 2015-2 <sup>nd</sup> January,2016	Mrs.Kiruthika.M, Mrs.Shweta Tripathi, Mr.Mritunjay.O

Staff Coordinator

HOD



# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Computer Engineering

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### Event

## One Week Short Term Training Program (STTP) on "Digital and Cyber Forensics"

(28<sup>th</sup> December, 2015-2<sup>nd</sup> January, 2016)

STTP on "Digital and Cyber Forensics" Registration Form	Topics to be covered	ISTE APPROVED SHORT TERM TRAINING PROGRAMME on "Digital and Cyber Forensics" (December 28 - January 02, 2015)
<p>Full Name: _____</p> <p>Designation: _____</p> <p>Institute: _____</p> <p>Mailing Address: _____</p> <p>Tel. No: _____</p> <p>E-Mail: _____</p> <p>Accommodation Required: Yes / No</p> <p>ISTE member: Yes/No (If yes, Membership No: _____)</p> <p>Registration fee (Rs.): _____</p> <p>Mode of Payment: Cheque / Demand Draft Cheque/DD No: _____ Date: _____</p> <p>Name of the Bank: _____</p> <p>I agree to abide by rules and regulations governing the above STTP</p> <p>Date: _____ Signature of applicant</p> <p>Recommendation of Employer</p> <p>The applicant will be permitted to participate in the above program, if selected</p> <p>Date: _____ Signature</p> <p>Name &amp; Designation of Sponsoring authority with seal</p>	<p>Practical Sessions will be taken by Helix Advisory Ltd.</p> <p>Advisory Committee</p> <p>Rev. Fr. Almeida, MD, ATEC, Vashi.</p> <p>Dr. S M Khot, Principal, Fr.C.R.I.T, Vashi.</p> <p>Prof. H. K. Kaura, HOD, Dept. of Computer Engg.</p> <p>Resource Persons</p> <p>The speakers will be from eminent industry and institute. The practical sessions will be conducted by well experienced people from R &amp; D centers Educational institutes and Industry.</p> <p>Approximate Travel Time for Reaching Agnel Technical Education Complex</p> <ul style="list-style-type: none"><li>Vashi Railway Station: 15 mins. (2 kms.)</li><li>Vashi Bus Depot: 5 mins. (0.5km)</li><li>Domestic Airport to Vashi: 1 hr. (20 kms.)</li></ul>	<p>Organized By</p> <p>Department of Computer Engineering</p> <p>Fr. C. Rodrigues Institute of Technology, Agnel Technical Education Complex, Sector 9A, Vashi Navi Mumbai - 400 703 Visit: <a href="http://www.fcrit.ac.in">www.fcrit.ac.in</a></p> <p>Course Convener</p> <p>Mrs. M.Kiruthika</p>

Staff Coordinator

HOD





## *Fr. C. Rodrigues Institute of Technology, Vashi*

### **Department of Computer Engineering**

Sector - 9A, Vashi, Navi Mumbai - 400 703, INDIA.

Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

#### **Course Fees**

Students : Rs. 4000/-

ISTE Member : Rs. 5000/-

Non-ISTE Member : Rs. 6000/-

(Inclusive of refreshments & lunch)

The teachers sponsored by AICTE recognized institutions are required to send the registration form, duly filled, along with a bank demand draft in the favour of "PRINCIPAL, Fr.C.R.I.T., Vashi" payable at Mumbai.

#### **Important Dates:**

Last date for Registration: 10/11/15

#### **Course Coordinators & Contacts:**

• Prof. Shweta Tripathi  
M. +919819789496

• Prof. Mritunjay Qha  
M. +919987800789

Email: [fcritcompstps@gmail.com](mailto:fcritcompstps@gmail.com)

#### **Computer Engineering Department:**

Phone: 022- 41611000 Ext: 172, 174

Fax: 022- 27660619

Visit: [www.fcrit.ac.in](http://www.fcrit.ac.in)

#### **Course Objective**

Digital and Cyber Forensics is a short course which includes the basic theoretical concepts of digital forensics as well as the practical side of digital forensics, i.e. how to conduct digital forensic investigations. Digital evidence features in every part of our personal and business lives. Legal and business decisions hinge on having timely data about what people have actually done. This course will help in understanding how to conduct investigations to correctly gather, analyze and present digital evidence to both business and legal audiences. Also it may help in learning how to find tools to locate and analyze digital evidence on a variety of devices, including mobile phones, and help in updating changing technologies, laws and regulations in digital forensics.

**Learning Outcomes:** After completing this course, delegates will gain theoretical knowledge and hands-on practical experience in digital forensic investigations. Delegates will gain experience in several areas of digital forensic investigations, including hardware forensics, software forensics, network forensics and live forensics. In addition, a delegate will get an also gain insight into ethics and law aspects of digital forensics.

#### **Profile of the Institute**

Fr. C. Rodrigues Institute of Technology was established in 1994 in the heart of Navi Mumbai, Vashi, as a part of Agnel Technical Education Complex. The aim of the Institute is to provide quality technical education in addition to inculcating moral values to its students. Apart from academic excellence, the campus is also reputed for its extensive facilities that have led to it being awarded an "A" grade by the Directorate of Technical Education, Maharashtra right from its inception. The institute is affiliated to the University of Mumbai and all the five UG engineering programmes (i.e. Computer, Mechanical, Electronics & Telecommunication, Electrical and Information Technology) have been accredited by the National Board of Accreditation, New Delhi for two years w.e.f. 14.11.2012.

The Institute also offers PG Courses in

- Mechanical Engineering (M.T. Design)
- Electrical Engineering (Power Electronics and Drives)
- Electronics & Telecommunication

The Institute has started an approved Research Centre in Mechanical Engineering, Electrical Engineering and Electronics and Telecommunication Engineering to broaden the prospects of imparting higher technical education and research culture.



# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Computer Engineering

Sector - 9A, Vashi, Navi Mumbai - 400 703, INDIA.

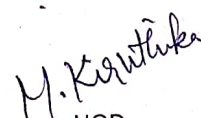
Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### Brief Activity/Event Report

1)	Name of the Activity/Event	One week STTP on " Digital and Cyber Forensics" (28 <sup>th</sup> December, 2015-2 <sup>nd</sup> January,2016)
2)	Activity/Event Venue & Date	Internet lab-computer Center, 28 <sup>th</sup> December, 2015-2 <sup>nd</sup> January,2016
3)	Nature of Participants	Faculty from various Engineering colleges.
4)	Number of Participants	12
5)	Staff Coordinator	Mrs.Kiruthika.M,Mrs.Shweta Tripathi & Mr.Mritunjay.O
6)	Brief Summary of the Activity/Event (in maximum 500 words):	
	<b>a. Objective:</b>	Introduce digital forensic investigation areas, law aspects of digital forensics and ethics, also provide hands on in the digital forensic investigation by making use of tools.
	<b>b. Technical Description:</b>	
	One week STTP on "Digital and Cyber Forensics" includes the basic theoretical concepts of digital forensics as well as the practical side of it. Legal and business decision hinge on having timely data about what people have actually done. This program helps in how to conduct investigation to correctly gather, analyse and investigate digital evidences, also demonstrates tools to locate and analyse digital evidences on variety of devices.	
	<b>c. Outcome</b>	
	Participants were able to i. To provide an understanding Computer forensics fundamentals ii. To analyse various computer forensics technologies iii. To provide computer forensics systems iv. To identify methods for data recovery. v. To apply the methods for preservation of digital evidence.	

  
Staff Coordinator

  
HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Computer Engineering

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Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### List of Participants

Fr. C. Rodrigues Institute of Technology, Vashi  
Dept of Computer Engineering  
ISIL Approved STIP  
On

"Digital and Cyber Forensics"

December 28, 2015 - January 02, 2016

#### Daily Attendance

Sr No	Name of the participant	28/12/15		29/12/15		30/12/15		31/12/15		02/01/16	
		Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening
1	Ms. Swati Kishorkar	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk
2	Mrs. Sandhya P	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar
3	Mrs. Rakhi K.	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar
4	Mrs. Rupali D.	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar	P. Sankar
5	Mrs. Shweta T.	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk
6	Mrs. Kirutika	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk
7	Mrs. Shagufa	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk
8	Mr. Motunjoyo.	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk
9	Mrs. Vijayadasini	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk
10	Ms. Rashmi P.	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk
11	Ms. Kavitha. V	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk	Stk
12											

Staff Coordinator

M. Kirutika  
HOD



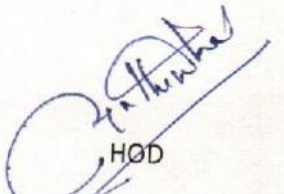
*Fr. C. Rodrigues Institute of Technology, Vashi*  
Department of Mechanical Engineering

ACADEMIC YEAR 2015 - 2016

List of Events

Sr. No.	Name of FDP/STTP	Date	Coordinator/Convener
1.	Orientation Program on Machine Design-II	14 <sup>th</sup> August, 2015	Mr. Sanjay W Rukhande

  
Staff Coordinator

  
HOD





**Fr. C. Rodrigues Institute of Technology, Vashi**  
**Department of Mechanical Engineering**

**Brief Activity/Event Report**

**Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai**

**Department of Mechanical Engineering**

To,  
The chairman,  
Board of studies in Mechanical Engineering  
University of Mumbai, Mumbai.

**Subject:** Minutes of meeting held on 14.08.2015 with an agenda '**Orientation Program in Machine Design-II**' Course, semester VII – (CBSGS) of Mechanical Engineering.

Dear Sir,

I Mr. Sanjay W Rukhande from Fr. C. Rodrigues Institute of Technology am hereby reporting the minutes of meeting held on 14<sup>th</sup> August, 2015 in the Mechanical Engineering Department on behalf of University of Mumbai with an agenda '**Orientation Program in Machine Design-II**' Course semester VII – (CBSGS) of Mechanical Engineering.

The Program was attended by 12 invitees from the various institute, the list is attached for the ready reference.

The orientation program begun with the welcoming all the faculty members and introduction of all present faculties from various institute.

- 1) At the outset program coordinator Mr. Sanjay W. Rukhande has read the official guideline received from Dr. S.M. Khot, The Chairman, The chairman, Board of studies in Mechanical Engineering, University of Mumbai for the Orientation Program.
- 2) With the introduction of number of module, the discussion on the depth of the syllabus to be covered has took place.

**a. Module 1:**

- i. Design of spur, helical, bevel and worm gears with strength, wear and thermal considerations.
- ii. Two stage Gear box with fixed ratio consisting of spur, helical and bevel gear pairs: gear box housing layout and housing design.  
Note: (Housing layout and design can be completed during practical hours.)

**b. Module 2:**

Types of bearing and designation, Selection of rolling contact bearings based on constant / variable load & speed conditions

(includes deep groove ball bearing, cylindrical roller, spherical roller, taper roller, self-aligning bearing and thrust bearing)

**c. Module 3:**

Staff Coordinator

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**Fr. C. Rodrigues Institute of Technology, Vashi**  
**Department of Mechanical Engineering**

- i. Design of hydro dynamically lubricated bearings (Self contained)
- ii. Introduction to hydro static bearings
- iii. Types and selection of Mechanical Seals

**d. Module 4:**

Design of cam and roller follower mechanisms with spring and shaft

**e. Module 5:**

- i. Design and selection of Belts:- Flat and V belt with Pulley construction.
- ii. Design and selection of standard roller chains.

**f. Module 6:**

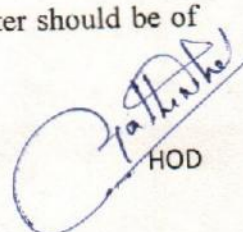
Design of single plate, multiplate and cone clutches, with spring, lever design and thermal, wear considerations.

- 3) After the discussions based on the content of the topics general conclusion are drawn as follow.
- a. The numbers of hours allotted per module in the syllabus are not found sufficient by most of the faculties to complete the syllabus. The entire module requires more hours to complete the contents. Hence some portion can be covered during practical hours.
  - b. In the module no. 4 Cam follower motion should be restricted to SHM only.
  - c. In the examination only **PSG Design Data Book** should be allowed rather than other author like 'Mahadevan' to avoid the confusion among students and Institute during examination.
  - d. In the End semester exam the module wise weightage and content is proposed as follow.

Module No.	Content	Hours Allotted	Marks Distribution
1	Spur, Helical, bevel, Worm and Worm Wheel	16	38 - 42
2 & 3	Bearing ( Rolling contact and Hydro dynamically lubricated bearing)	10	24 - 26
4	Cam and Follower	6	14 - 16
5	Belt ( Flat, V), Chain	8	18 - 22
6	Clutch	8	18 - 22

- e. In End Semester Exam, the question set by paper setter should be such that within three hours the average student should be able to solve four questions.
- f. To avoid the variations in the assessment, questions set by the paper setter should be of specific nature.

  
Staff Coordinator

  
HOD





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Mechanical Engineering**

- g. It is expected to have 15 to 20% theory and 80 to 85% numerical in the end semester exam.
  - h. Frame the question paper for End Semester Exam which will test both average and good students.
  - i. Term Work, course project, oral/practical exam, and Internal Assessment exam has been discussed to the conformance to the syllabus.
  - j. For practical Exam any one design problems from the syllabus should be given as design task and Oral has to be conducted after design task completed. Marks Distribution is as per given in the syllabus.
- 4) The meeting was concluded thanking all of the members present on behalf of University of Mumbai and host Institute with high tea for being attended the program to bring about the uniformity in teaching and assessment.
- 5) Special thanks to Dr. S. M. Khot, Chairman, Board of Studies, Mechanical Engineering for being present and explaining the right approach and detailed description of the content of this subject to all the present faculties from various institute.

Prof. Sanjay W. Rukhande

Program Coordinator

Prof. T. Mathewlal

HOD, Mechanical Engg. Dept.

  
Staff Coordinator

  
HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

### List of Participants

Fr. C. Rodrigues Institute of Technology, Vashi  
Mechanical Engineering Department

Orientation Program on MACHINE DESIGN-II SEM VII (CBGS)

Sl.No.	Name of Staff Member	College Name	Contact/Mobile No.	E-mail ID	Signature
1	Varghese Koshy	Viva Institute of Technology, Virar	9702523316	varghese.k10@gmail.com	
2	Rohit K. Chaurasia	D.J. Sanghavi College of Engg.	8655421092	rohit.chaurasia@disco.ac.in	
3	Devkare Santosh V.	SSICET, Asangdon	9930238629	santosh.devkare@gmail.com	
4	Prashant Ambadekar	SIES	9224636634	prashant.ambadekar@siesgst.ac.in	
5	Nikita Y. Kodam	S.S. Jondhale, Dombivoli	7045124553	kodamnikitai@gmail.com	
6	Vinay Bhattar	Thakur College of Engg. Tech. (Autonomous)	9405677867	vinaykumar106@gmail.com	
7	Mr. S.J. Nimankar	SSPM's College of Engg. Kankarvili	9423396277	rahul.nimankar@yahoo.co.in	
8	Binsu Babu	Pillai Institute of Technology (Autonomous)	9869685662	plbinsu@gmail.com	
9	Johnson Varghese	Don Bosco College of Engg. & Tech.	9970199657	nellisery.johnson@gmail.com	
10	Ashwini N. Ghole	SSICET, Asangdon	9820692937	ashwinikn@gmail.com	
11	Gajendra V. Patil	Pillai Inst. Paul	9224281153	gpatil0mes.ac.in	
12	Sanjay Rukhade	FCRIT, Vashi	9819860469	sanrukh78@gmail.com	
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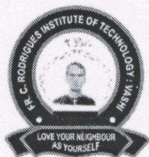
Date: 24/08/2022



Staff Coordinator

HOD





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Electrical Engineering**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### **List of Activities (2015-16)**

<b>Sr. No.</b>	<b>Name of the Activity/Event</b>	<b>Duration</b>	<b>No. of days</b>	<b>Staff Incharge</b>
1	ISTE approved one-week short term training Programme on "Microgrid, Smartgrid & Futuristic Energy Paradigms" organized by Department of Electrical Engineering, FCRIT, Vashi	(June 27 <sup>th</sup> – July 1 <sup>st</sup> , 2016)	5	Ruchi H.
2	ISTE approved one-week Short term training Programme on "Software Tools for Engineering Researchers" organized by Department of Electrical Engineering, FCRIT, Vashi	(October 5 <sup>th</sup> - 9 <sup>th</sup> , 2015)	5	Divya M.

*B. Indur*

*B. Indur*



## Short Term Training Programme "Microgrid, Smartgrid and Futuristic Energy Paradigms"

### REGISTRATION FORM

Name : \_\_\_\_\_  
 Age : \_\_\_\_\_  
 Designation : \_\_\_\_\_  
 Institute/Industry : \_\_\_\_\_  
 Mailing Address : \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Tel. No : \_\_\_\_\_  
 E-Mail : \_\_\_\_\_  
 Qualification : \_\_\_\_\_  
 ISTE Membership No. (Life/Annual)  
 : \_\_\_\_\_

Experience : \_\_\_\_\_  
 Payment details  
 DD No. & Date : \_\_\_\_\_  
 Bank name : \_\_\_\_\_

Accommodation required : YES/NO

I agree to abide by rules and regulations governing  
 above STTP.

Date: \_\_\_\_\_ Signature of applicant

### Recommendation of Employer

The applicant will be permitted to participate in the  
 above program, if selected.

Date: \_\_\_\_\_ Signature

Name & Designation of  
 the Sponsoring Authority with Seal

### PATRONS

**Rev. Fr. Saturnino Almeida**  
 Managing Director, ATEC, Vashi  
**Rev. Fr. L. Dias**  
 Procurator, ATEC, Vashi.

### ADVISORY COMMITTEE

**Dr. S. M. Khot**  
 Principal, Fr. C.R.I.T., Vashi

**Dr. Sincy George**  
 Professor & Head,  
 Department of Electrical Engineering

### COURSE CO-ORDINATOR

**Mrs. Ruchi Harchandani,**  
 Assistant Professor  
 Mobile: 09819984345  
 e-mail: [ruchi.harchandani@fertilac.in](mailto:ruchi.harchandani@fertilac.in)

### MEMBERS OF ORGANISING COMMITTEE

- **Dr. Bindu S.**  
 Mob: 09819220504
- **Dr. Sushil Thale**  
 Mob: 09869396998
- **Mrs. Poorrima Rao**  
 Mob: 09769235052

### ISTE APPROVED

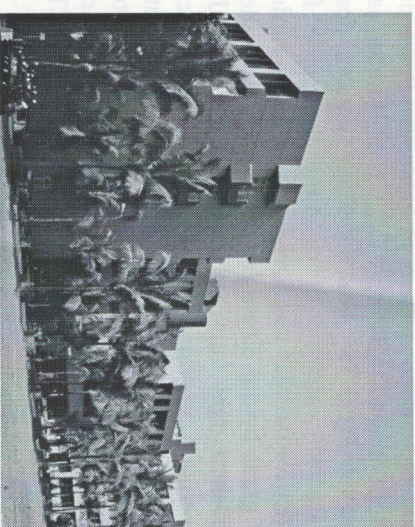
### SHORT TERM TRAINING PROGRAMME

**"MICROGRID, SMARTGRID AND  
 FUTURISTIC ENERGY PARADIGMS"**  
 (June 27 - July 1, 2016)



*Organized by*

**Department of Electrical Engineering  
 Fr. C. Rodrigues Institute of Technology**



*Venue Address*

**Fr. C. Rodrigues Institute of Technology**  
 Sector 9A, Vashi, Navi Mumbai - 400703.  
 Phone: 022 27771000 extn. 164  
 Fax: 022 27660619  
[www.fertilac.in](http://www.fertilac.in)



## SCOPE OF STP

Microgrids have been identified as being a necessary part of the modern electrical grid. With their grid interconnectivity advantages, a microgrid improves system energy efficiency, reliability and provides grid independence to end user sites. Enabling grid modernization and integration of multiple distributed and renewable energy sources help to reduce peak load and losses by locating generation near demand meeting end user needs. Interconnection of renewable energy generation ensures energy supply for critical loads, controlling power quality and reliability at the local level, and promoting customer participation through demand side management and community involvement in electricity supply.

This workshop intends to impart a general theoretical background in the areas of microgrid, smartgrid and futuristic energy model. The participants will be introduced to power optimization and design of renewable energy systems. Regulatory and policy issues etc. will also be discussed in the programme.

## PROFILE OF THE INSTITUTE

Fr. C. Rodrigues Institute of Technology (FCRIT) is one of the leading academic institutions of Mumbai University. It was established in 1994 at Vashi, Navi Mumbai, as a part of the Agnel Technical Education Complex. Apart from academic excellence, the campus is also reputed for its extensive facilities that have led to it being awarded an 'A' grade by the Directorate of Technical Education, Maharashtra right from its inception. All the five UG engineering programmes (Computer, Mechanical, Electrical, Electronics & Telecommunication and Information Technology) of the institute were accredited in August 2012 by the National Board of Accreditation, New Delhi. The institute is also recognized by the AICTE and is dedicated to fulfilling the following missions:

- To provide industry oriented quality education and training.
- Provide holistic environment for overall personal development.
- To bring to full blossoming the potential in every student.

## ABOUT THE DEPARTMENT

The department offers both BE (Electrical Engineering), ME (Power Electronics and Drives) and PhD programmes. The department has well-qualified faculty and well-equipped laboratories and other infrastructure. The department regularly conducts seminars, project contests and short-term courses for the benefit of students, academicians and industry personnel.

## OBJECTIVES OF THE COURSE

This course aims to give:

- Seminars based on latest trends in fields of microgrid, smartgrid and modern electric grid.
- Overview on integration of distributed generation and renewable energy sources to the power grid.

## COURSE CONTENT

Glimpse of topics in which will be covered is as follows:

- Microgrid, Smartgrid and Futuristic Energy Paradigms
- Energy Scenario and Non-conventional Energy
- Renewable energy sources and Distributed Generation
- Power Optimization in Renewable Energy Systems
- Wind, Solar, Biomass, Fuel cell, Nuclear, Geothermal and Tidal energy
- Microgrid, Smart Microgrid and Multi Microgrid Scenario
- Design aspects of microgrid infrastructure
- Emerging Regulatory and policy issues in Grid connection
- Regulatory Authorities and Infrastructure for Microgrid and Smartgrid deployment
- Business Model and Entrepreneurship Opportunities in Futuristic Energy Paradigms.

## FACULTY

The speakers will be from IIT Bombay, VJTI, BARC, MERC etc. The demo & practical sessions will be conducted by experts from the industry and the institutes.

## ACCOMMODATION

Participants who desire accommodation in the campus are requested to indicate so in the registration form. Accommodation will be provided at a nominal rate of limited number of delegates.

**Note:** Photocopy or downloaded copy of the registration form can also be used.

## REGISTRATION FEE:

■ Teachers (ISTE members):	Rs.2000/-
■ Teachers (non-ISTE members):	Rs.3500/-
■ Industry Professionals:	Rs.8000/-
■ Students:	Rs.2000/-

The teachers sponsored by their respective institutions and others are required to send the registration form, duly filled, along with a bank demand draft in the favour of "PRINCIPAL-FCRIT" payable at Vashi, Navi Mumbai.

## IMPORTANT DATES:

Last date of receiving applications : 13/06/2016  
Last date for confirmation to participants: 18/06/20

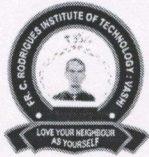
## HOW TO REACH:

**Nearest railway station** : Vashi Station  
(Distance from station is around 2 km)

**Nearest Bus depot** : Vashi Depot.  
((Distance from station is around 0.25 km))

**Landmark** : Noor Masjid





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Electrical Engineering**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

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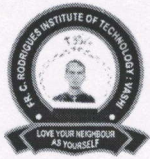
### **Brief Activity/Event Report (2015-16)**

- 1) Name of the Activity/Event : ISTE approved one-week Short term training  
Programme on "Microgrid, Smartgrid & Futuristic  
Energy Paradigms" (June 27<sup>th</sup> – July 1<sup>st</sup> , 2016)
- 2) Activity/Event Venue & Date : Wireless lab (June 27<sup>th</sup> – July 1<sup>st</sup> , 2016)
- 3) Nature of Participants : Faculty from different Engineering colleges.
- 4) Number of Participants : 23 (including ME students)
- 5) Student Coordinator : Volunteers from 2<sup>nd</sup> and 3<sup>rd</sup> year Electrical class
- 6) Staff Coordinator : Mrs. Ruchi H.
- 7) Brief Summary of the Activity/Event (in maximum 500 words):
  - a) **Objectives** : To arrange seminars on latest trends in the fields of microgrid, smartgrid and modern Electric grid, Overview on integration of Distributed Generation and Renewable Energy Sources to the power grid.
  - b) **Technical Description** : The five days STTP on "Microgrid, Smartgrid & Futuristic Paradigms" covered various sessions on introduction to latest research topics on Microgrid and Smartgrid in the field of electrical engineering. Renowned speakers from industry and academic field had come to share their knowledge and Research work. The sessions were taken on topics like " Power Systems Past, Present & Future", "Distributed Generation, Microgrid and Smart Grid' and Practical Design Aspects of RES system design", "Design of compensators for converters used in power conditioning units", "Characteristics of solar photovoltaic system", "wind energy system", "Fuel cell system", FC microgrid and FC system at NMRL" , "Nuclear Energy System", Mr. Abhishek Bhagat from Visa Power-Tech discussed about 'Rooftop Solar PV plant'. He discussed about the benefits of installing Rooftop Solar PV plant. "Policies and regulations in the renewable sector in India", "Mr. Prajof Prabhakaran PhD research scholar from IIT Bombay discussed about 'DC Microgrid'. Mr. Pratik Bajaria PhD research scholar from VJTI, Mumbai spoke about the 'Strategic Control for paralleled source converters in Standalone Power System'.

*Khin*

*B. B. B.*





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Electrical Engineering**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619

Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

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In the session 'Business Opportunities in Renewable sector' was discussed by Mr Gokul Prakash. Practical sessions on 'Hands on session on use of DSP in Renewable Energy' and 'Demonstration of close loop control of power conditioning units' was taken by faculty of FCRIIT.

- c) **Outcomes** : Participants were able to -
- i. Understand basic concepts related to Micro-grids, Smart grids and Distributed Generation.
  - ii. Learn and understand the characteristics of Renewable sources like Solar Photovoltaic Systems, Wind Energy, Fuel Cells etc.
  - iii. Get knowledge about designing of Compensators for Converters in Power Conditioning Units.
  - iv. Get information on 'Business Opportunities in Renewable sector' and "Policies and regulations in the renewable sector in India".

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**Department of Electrical Engineering, FCRIT**  
**STTP -2016**  
**Attendance Sheet**

**Date:-** 27/6/16

A. P. Bernson

Sr. No	Name of Staff	Signature
1	Pranita R Chavan	
2	Anant K Dhulshette	<u>AS</u>
3	Urvi Hemant Sawant	<u>Urvi</u>
4	Minal R. Rade	<u>mpled</u>
5	Kushal Gopalrao Dhawad	<u>Kd</u>
6	Nikita Amit Ingle	<u>Nikita</u>
7	Nutan Attarde	<u>Nuttarde</u>
8	S.K. Muchande	<u>muchande</u>
9	Divya M	<u>Divya</u>
10	Uma L	<u>Uma</u>
11	Divya Sajeesh	<u>Divya</u>
12	Rajendra Soni	<u>Rajendra</u>
13	Chanchal Patil	<u>Chanchal</u>
14	Dhumale S.P.	<u>Dhumale</u>
15	Amruta Mhatre	<u>Amruta</u>
16	Harshada C. Bhosale	<u>Harshada</u>
17	Seema Jadhav	<u>Seema</u>
18	Sreedevi Sanjeev Nair	<u>Sreedevi</u>
19	Chaitanya K Wadke	<u>ckwadke</u>
20	Smita Hande	<u>Smita</u>
21	Rashmi Kale	<u>Rashmi</u>

22 Shrutika Nema  
 23 Mohini Kher

Shrutika  
Mohini





29

28

27

26



## Short Term Training Programme "Software Tools for Engineering Researchers"

### REGISTRATION FORM

Name : Mohini Kher  
Age : 39  
Designation : Asst. Professor  
Institute/Industry : F.C.R.I.T. Vashi  
Mailing Address : ~~Sector 9A, Vashi~~  
F.C.R.I.T. Vashi

Tel. No : 9029003131  
E-Mail : sagarmohini@gmail.com  
Qualification : M.F.  
ISTE Membership No. ( Life/Annual ) :

Experience : 09 yrs  
Payment details  
DD No. & Date :   
Bank name :

Accommodation required : YES/NO ✓

I agree to abide by rules and regulations governing the above STTP.

Date : 3/10/15 Signature of Applicant Mohini

### Recommendation of Employer

The applicant will be permitted to participate in the above program, if selected.

Date: 13/10/15

Signature [Signature]

Name & Designation of  
the Sponsoring Authority with Seal

### PATRONS

- Rev. Fr. Saturnino Almeida,  
Managing Director, ATEC, Vashi.
- Rev. Fr. L. Dias,  
Procurator, ATEC, Vashi.
- Rev. Fr. Russel D'Souza,  
Principal, Fr. Agnel Multipurpose School,  
Vashi.

### ADVISORY COMMITTEE

- Dr. S.M. Khot,  
Principal, Fr. C.R.I.T., Vashi.
- Dr. C.V Ghule,  
Principal, Agnel Polytechnic, Vashi.

### CONVENER

Dr. Sincy George, Professor & Head,  
Department of Electrical Engineering.  
Mobile: 09869125295  
e-mail: sincygeopen@yahoo.com

### COURSE CO-ORDINATOR

Mrs. Divya M., Assistant Professor.  
Mobile: 08655350596  
e-mail: mdivya2@yahoo.com

### MEMBERS OF ORGANISING COMMITTEE

- Dr. Bindu S. Professor  
Mobile: 09819220504
- Mr. Sushil Thale, Asso. Professor  
Mobile: 09869396998
- Mrs. Poorima Rao, Asso. Professor  
Mobile: 09769235052

## ISTE APPROVED SHORT TERM TRAINING PROGRAMME

**"SOFTWARE TOOLS FOR ENGINEERING  
RESEARCHERS"**  
(October 05 - 09, 2015)



### Organized by

Department of Electrical Engineering  
Fr. C. Rodrigues Institute of Technology

Sector 9A, Vashi,  
Navi Mumbai - 400 703.  
Phone: 022 41611000 extn. 164  
Fax: 022 27660619



[www.fcrit.ac.in](http://www.fcrit.ac.in)



## SCOPE OF STTP

Computer-based simulation tools have revolutionized research and development in science and engineering over past few decades. These tools have also turned out to be extremely useful in teaching as they provide a better idea regarding the sensitivities in input/output relationships, thereby providing a deeper understanding of various physical phenomena. Nowadays, several general-purpose technical computing platforms as well as field-specific tools are available for researchers and engineers. This workshop intends to impart a general theoretical background in the areas of system modeling, control and optimization techniques. The participants are also introduced to some of the software tools which are widely used by researchers and teachers working in the field of engineering. It is also planned to provide hands-on sessions on some of the software like MATLAB, ETAP, PSS-SINCAL, PROTEUS, FPGA etc.

## PROFILE OF THE INSTITUTE

Fr. C. Rodrigues Institute of Technology (FrCRIT) is one of the leading academic institutions of Mumbai University. It was established in 1994 at Vashi, Navi Mumbai, as a part of the Agnel Technical Education Complex. Apart from academic excellence the campus is also reputed for its extensive facilities that have led to it being awarded an 'A' grade by the Directorate of Technical Education, Maharashtra right from its inception. All the five UG engineering programmes (Computer, Mechanical, Electrical, Electronics & Telecommunication and Information Technology) of the institute were accredited in August 2012 by the National Board of Accreditation, New Delhi. The institute is also recognized by the AICTE and is dedicated to fulfilling the following missions:

- To provide industry oriented quality education and training.
- Provide holistic environment for overall personal development.
- To bring to full blossoming the potential in every student.

## ABOUT THE DEPARTMENT

The department offers both BE (Electrical Engineering) and ME (Power Electronics and Drives) programmes. The department has well-qualified faculty and well equipped laboratories and other infrastructure. The department regularly conducts seminars, project contests and short-term courses for the benefit of students, academicians and industry personnel.

## OBJECTIVES OF THE COURSE

This course aims to give:

- Seminars based on latest trends in various fields of engineering research by experts from various institutes and industries.
- Hands on experience in MATLAB, ETAP, PSS-SINCAL, PROTEUS, FPGA etc.

## COURSE CONTENT

Following topics in engineering research are covered with practical sessions:

- Power Systems
- Power Electronics
- Control Systems
- Embedded Systems
- Project demonstration

## FACULTY

The speakers will be from IIT Bombay, VITL, BARC etc. The demo & practical sessions will be conducted by experts from the industry and the institutes.

## ACCOMMODATION

Participants who desire accommodation in the campus are requested to indicate so in the registration form. Accommodation will be provided at a nominal rate for limited number of delegates.

**Note:** Photocopy or downloaded copy of the registration form can also be used

## REGISTRATION FEE:

- Teachers (ISTE members): Rs.2000/-
- Teachers (non-ISTE members): Rs.2500/-
- Industry Professionals: Rs.3000/-
- Students: Rs.2000/-

The teachers sponsored by their respective institutions and others are required to send the registration form, duly filled, along with a bank demand draft in the favour of **PRINCIPAL-FCRIT** payable at Vashi, Navi Mumbai.

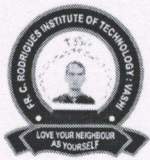
## IMPORTANT DATES:

Last date of receiving applications : **25/09/15**  
Last date for confirmation to participants : **28/09/15**

## HOW TO REACH:

Nearest railway terminus : Vashi Station.  
Nearest Bus depot : Vashi Depot.  
Landmark : Noor Masjid.





# *Fr. C. Rodrigues Institute of Technology, Vashi*

## **Department of Electrical Engineering**

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### **Brief Activity/Event Report (2015-16)**

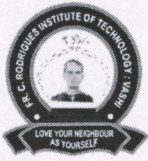
- 1) Name of the Activity/Event : ISTE approved one week Short term training Programme on "Software Tools for Engineering Researchers" (October 5th -9th, 2015)
- 2) Activity/Event Venue & Date : Wireless lab, Electrical and Electronics Computer lab (October 5<sup>th</sup> -9<sup>th</sup> , 2015)
- 3) Nature of Participants : Faculty from different Engineering colleges
- 4) Number of Participants : 22 (including ME students)
- 5) Student Coordinator : Volunteers from 2<sup>nd</sup> and 3<sup>rd</sup> year Electrical class
- 6) Staff Coordinator : Mrs. Divya M.
- 7) Brief Summary of the Activity/Event (in maximum 500 words):
  - a) Objectives : To arrange seminars on latest trends in various fields of Engineering Research by experts from various institutes and Industries, To get hands on Experience in MATLAB, ETAP, PSS-SINCAL, Proteus, FPGA etc.
  - b) Technical Description : The five days STTP on "Software Tools for Engineering Researchers" covered various sessions on introduction to latest research topics in the field of engineering. Renowned speakers from industry and academic field had come to share their knowledge and Research work. The sessions were taken on topics like "Importance of softwares on Engineering Research", "Recent Trends in Power Systems", "Microgrids: challenges in Research on Large Power Electronics System", "PWM Rectifiers", "Optimal power Extraction from Renewable Energy sources: Recent Trends", "Estimation" and "Non-linear Estimators-Recent Research Trends", "FPGA based Embedded System".

Hands on Practical sessions were taken on "simulation tutorials based on ETAP, pss-sincal and MATLAB m-file", "PWM rectifiers for power factor correction", "Sliding Mode controller", "FPGA based Embedded Systems", "Softwares: KEIL and Proteus", "software\_FEMM" and "Modeling of solid state Marx generator using Proteus" by faculties from Electrical and Electronics and Communication department of FCRIIT.

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# *Fr. C. Rodrigues Institute of Technology, Vashi*

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**c) Outcomes** : Participants were able to -

- i. Understand the importance of selecting appropriate simulation tool or software for simulations.
- ii. Get knowledge about different fields of Engineering for Research and latest trends.
- iii. Get hands on training on different simulation tools like MATLAB , FEMM, PSS-SINCAL, FPGA , KEIL and Proteus

*F. R.*

*B. Rodrigues*

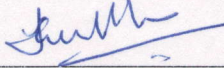
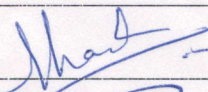



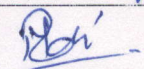

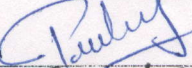
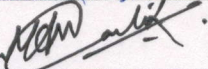

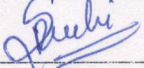



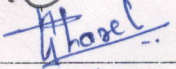


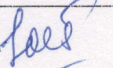
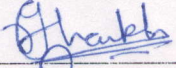




05/10/15 - Morning

ISTE Approved Short Term Training Programme  
"SOFTWARE TOOLS FOR ENGINEERING RESEARCHERS"  
October 05-09, 2015

Date:

Time:

Sr. No.	Name	Signature
1	Keerthi Unni	
2	Rajendra Soni	
3	Smita Hande	
4	Amruta Mhatre	
5	Sreedevi Sanjeev Nair	
6	Nilashree Wankhede	
7	Yutika D <del>Chaudhari</del> Chaudhari	
8	Selwyn Martin	
9	Navita Pandey	
10	Mrudul Ajay Mawlikar	
11	Rohan Ramesh Pote	
12	Ruchi Singh	
13	Rupali Saha	
14	Maitreyee Deshmukh	
15	Chanchal Patil	
16	Harshada Ghawde	
17	Mohini Kher	
18	Dipti D Patil	
19	Seema Jadhaw	
20	Shahbaz Gulamnabi <del>Shah</del> Shaikh	
21	Prachi Godbole	
22	Veena Narayankar	





ISTB approved  
Short Term Training Programme  
On  
"Software Tools for Engineering Researchers"  
October 5th - 9th 2015  
Organized by  
Department of Electrical Engineering  
Fr. C. Rodrigues Institute of Technology  
Agnel Technical Education Complex  
Sector - 9A, Vashi, Navi Mumbai 400703.







# *Fr. C. Rodrigues Institute of Technology*

## **Department of Information Technology**

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

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Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)

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### **ACADEMIC YEAR 2015 - 2016**

#### **List of Events**

Sr. No	Event name	Date of Event	Coordinator
2015-16	ISTE approved STTP on “Big Data Analytics”	04th -8th January, 2016	Mrs. Kalpana Wani, Mrs. Parimita Das
2015-16	ISTE approved STTP on “Cloud Computing”	06th to 10th July 2015	Mrs. Poonam P. Bari Mr. Anand Pardeshi





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### **Brief Activity/Event Report**

1. **Name of the Activity/Event:** STTP on Big Data Analytics
2. **Activity/Event Venue & Date :** Department of Information Technology, 4<sup>th</sup> -8<sup>th</sup> Jan 2016
3. **Nature of Participants:** Students of IT department / Staff of Computer & IT department of various colleges and staff of IT department of Fr.C.R.I. T Vashi
4. **Number of Participants:** 15 (8 staff & 7 students)
5. **Student Coordinator:** Ashesh Kumar
6. **Staff Coordinator:** Mrs.Parimita Das, Mrs.Kalpana Wani
7. **Brief Summary of the Activity/Event (in maximum 500 words):**
  - a. **Objectives:**
    - To provide an overview of an exciting growing field of big data analytics.
    - To introduce the tools required to manage and analyze big data like Hadoop, NoSQL Map-Reduce.
    - To teach the fundamental techniques and principles in achieving big data analytics with scalability and streaming capability.
    - To enable students to have skills that will help them to solve complex real-world problems in for decision support.
  - b. **Technical Description:** During STTP topics like Introduction to Big Data, Introduction to Hadoop, NoSQL, Map Reduce and the New Software Stack, Finding Similar Items, Mining Data, Link Analysis, Frequent Item sets, Clustering, Recommendation Systems, Mining Social- Network Graphs are covered theoretically as well as practically by expert speaker.
  - c. **outcomes:** Staff members of various college are trained for the subject Big Data Analytics theoretically as well as practically by expert speaker.
8. **Summary of Feedback:** overall feedback is good, need to include more technical session.
9. **Action to be Taken based on Feedback:** More technical sessions will be included in next STTP by expert.



# Fr. C. Rodrigues Institute of Technology

## Department of Information Technology

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### Sample Attendace Sheet:

#### STTP ON "BIG DATA ANYLTICS" 4TH JANUARY-8TH JANUARY 2016 DEPARTMENT OF INFORMATION TECHNOLOGY

#### SIGNATURE SHEET

DATE

4/1/16

SESSION - 1.

SR NO	NAME	SIGNATURE
1	AVINASH GONDAL	
2	PANKAJ VANWARI	
3	SATISHKUMAR VARMA	
4	SEEMA NEHETE	
5	SEEMA REDEKAR	
6	AMOL PATIL	
7	DHANASHREE HADSUL	
8	MUKTA NIVELKAR	

### STTP Boucher:

<b>STTP on "Big Data Analytics" Registration Form</b> Full Name: _____ Designation: _____ Institute: _____ Mailing Address: _____ Mobile: _____ E-Mail: _____ Accommodation Required: Yes / No _____ ISTE member: Yes/No _____ (If yes, Membership No: _____) Registration fee (Rs.) _____ Mode of Payment: Cheque / Demand Draft _____ Cheque/DD No: _____ Date: _____ Name of the Bank: _____ I agree to abide by rules and regulations governing the above STTP Date: _____ Signature of applicant Recommendation of Employer The applicant will be permitted to participate in the above program, if selected Date: _____ Signature Name & Designation of Sponsoring authority with seal	<b>Vision</b> To become a leading center of excellence for quality education, advance research and development in the field of Information Technology to yield self-sustaining professionals. <b>Mission</b> ✓ To provide industry oriented quality education and training to students related to cutting edge technologies in the field of information technology. ✓ To promote multidisciplinary activities in students to serve society through innovative applications. ✓ To promote entrepreneurship skills in students with overall personality development. <b>Advisory Committee</b> Rev. Fr. Almeida, MD, ATEC, Vashi. Dr. S.M. Khut, Principal, Fr. C.R. I.T., Vashi. Dr. Deven Shah, Chairman, Board of Studies of Information Technology & Principal, Terce College of Engineering, Navi Mumbai Dr. J. W. Bakal, Principal, SSJCE, Dombivli. Prof. H. K. Kaura, HOD, COMP & IT Dept Prof. Lalashmi M. Gadhiakar, IT Dept Prof. Archana Shirke, IT Dept <b>Accommodation:</b> Participants who desire accommodation in the campus are requested to indicate so in the registration form. Accommodation will be provided at a nominal rate for limited number of delegates. <b>Approximate Travel Time For Reaching Agnel Technical Education Complex</b> • Vashi Railway Station: 15 mins. (2 kms.) • Vashi Bus Depot: 5 mins. (0.5km) • Domestic Airport to Vashi: 1 hr. (20 kms.)	 <b>ISTE APPROVED SHORT TERM TRAINING PROGRAMME</b> On <b>"Big Data Analytics"</b> (4 <sup>th</sup> - 8 <sup>th</sup> January, 2016)  Organized By <b>DEPARTMENT OF INFORMATION TECHNOLOGY</b> Fr. C. Rodrigues Institute of Technology, Agnel Technical Education Complex, Sector 9A, Vashi Navi Mumbai - 400 703 Visit: <a href="http://www.fcrit.ac.in">www.fcrit.ac.in</a> Conveners Mrs. Parimita Das Mrs. Kalpana Wani
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# Fr. C. Rodrigues Institute of Technology

## Department of Information Technology

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<p><b>Course Fees</b></p> <p>ISTE Member : Rs. 2500/- Non-ISTE Member : Rs. 3000/- (Inclusive of course materials, refreshments &amp; lunch)</p> <p>The teachers sponsored by AICTE recognized institutions are required to send the registration form, duly filled, along with a bank demand draft in the favour of "PRINCIPAL, Fr. C. R. I. T., Vashi" payable at Navi Mumbai.</p> <p><b>Important Dates:</b></p> <p><b>Last date for Registration with DD: 19/12/2015</b></p> <p><b>Contacts:</b></p> <ul style="list-style-type: none"><li>• Prof. Parimita Das M- 9892276607</li><li>• Prof. Kalpana Wani M - 9594912919</li></ul> <p><b>Email:</b> <a href="mailto:fcrit.ittp@gmail.com">fcrit.ittp@gmail.com</a></p> <p><b>Information Technology Department:</b></p> <p><b>Phone:</b> 022- 41611000 Ext: 151, 152</p> <p><b>Fax:</b> 022- 27660619</p> <p><b>Visit:</b> <a href="http://www.fcrit.ac.in">www.fcrit.ac.in</a></p>	<p><b>Topics to be covered</b></p> <ul style="list-style-type: none"><li>• Introduction to Big Data</li><li>• Introduction to Hadoop</li><li>• NoSQL</li><li>• Map Reduce and the New Software Stack</li><li>• Finding Similar Items</li><li>• Mining Data</li><li>• Link Analysis</li><li>• Frequent Itemsets</li><li>• Clustering</li><li>• Recommendation Systems</li><li>• Mining Social- Network Graphs</li></ul> <p><b>Course Objective</b></p> <ul style="list-style-type: none"><li>• To provide an overview of an exciting growing field of big data analytics.</li><li>• To introduce the tools required to manage and analyze big data like Hadoop, NoSQL, Map-Reduce.</li><li>• To teach the fundamental techniques and principles in achieving big data analytics with scalability and streaming capability.</li><li>• To enable students to have skills that will help them to solve complex real-world problems in for decision support.</li></ul> <p><b>Resource persons</b></p> <ul style="list-style-type: none"><li>• Dr. Deven Shah, Principal, Terna College of Engineering, Navi Mumbai.</li><li>• Eminent Speakers from Academics and Industry.</li><li>• Dr. Aniya Kumar Tripathy, DBIT,Kurfa.</li><li>• Dr. S. K. Shinde, LTCE, Koparkhane.</li><li>• Prof. Dayanand Ambawade, S.P.I.T, Andheri</li><li>• Mr. Swapnil Deshpande, TCS.</li><li>• Prof. Madhu M.PIT,Parvel.</li><li>• Prof. Archana Shirke, Fr.CRIT,Vashi.</li></ul>	<p><b>Profile of the Institute</b></p> <p>Fr. C. Rodrigues Institute of Technology was established in 1994 in the heart of Navi Mumbai, Vashi, as a part of Agnel Technical Education Complex. The aim of the Institute is to provide quality technical education in addition to inculcating moral values to its students. Apart from academic excellence, the campus is also reputed for its extensive facilities that have led to it being awarded an "A" grade by the Directorate of Technical Education, Maharashtra, right from its inception. The institute is affiliated to the University of Mumbai and all the five UG engineering programmes (i.e. Computer, Mechanical, Electronics &amp; Telecommunication, Electrical and Information Technology) are accredited from August 2012 by the National Board of Accreditation, New Delhi.</p> <p>The institute also offers PG Courses in</p> <ul style="list-style-type: none"><li>• Mechanical Engineering (M/C Design)</li><li>• Electrical Engineering (Power Electronics and Drives).</li><li>• Electronics &amp; Telecommunication</li></ul> <p>The institute has recently started approved research Centre in</p> <ul style="list-style-type: none"><li>• Mechanical Engineering</li><li>• Electrical Engineering</li><li>• Electronics &amp; Telecommunication</li></ul>
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### Brief Activity/Event Report

1. Name of the Activity/Event : STTP organization
2. Activity/Event Venue & Date : Department of Information Technology ,FCRIT.  
July6 to July 2015
3. Nature of Participants : Staff of Mumbai University
4. Number of Participants : 22
5. Student Coordinator : ----
6. Staff Coordinator : Mrs. Poonam P. Bari and Anandkumar Pardeshi
7. Brief Summary of the Activity/Event (in maximum 500 words):

#### Objectives:

- To present the general characteristics of cloud computing and virtualization, opportunities and challenges.
- To explore about industry expertise on virtualization and cloud computing. □
- To provide common platform for UG/PG students, research fellows, experts and faculty members for interaction and exchange of ideas/research issues/best practices in the area of cloud computing.
- To build cloud computing lab using open source tools. □
- To know and to develop applications on open source cloud platform.□
- To discuss research areas, technology, problems and issues, an interaction between industry and academia.

#### Technical Description :

What is Cloud Computing?

**Cloud computing** means *on demand delivery of IT resources* via the internet with pay-as-you-go pricing. It provides a solution of IT infrastructure in low cost.

Why Cloud Computing?

Actually, Small as well as some large IT companies follows the traditional methods to provide the IT infrastructure. That means **for any IT company, we need a Server Room that is the basic need of IT companies.**

In that server room, there should be a *database server, mail server, networking, firewalls, routers, modem, switches, QPS*(Query Per Second means how much queries or load will be handled by the server) , configurable system, *high net speed* and the *maintenance engineers*.



# *Fr. C. Rodrigues Institute of Technology*

## **Department of Information Technology**

**Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.**

**Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619**

**Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)**

---

To establish such IT infrastructure, we need to spend lots of money. To overcome all these problems and to reduce the IT infrastructure cost, Cloud Computing comes into existence.

### **Advantages of Cloud Computing**

- 1) Lower cost computer for users*
- 2) Lower IT infrastructure cost*
- 3) Fewer maintenance cost*
- 4) Lower Software Cost*
- 5) Instant software updates*
- 6) Increased computing Power*
- 7) Unlimited storage capacity*

### **Disadvantages of Cloud Computing**

- 1) Require a constant Internet Connection*
- 2) Require High Speed Internet connection*
- 3) Stored Data Might Not Be Secure*

### **Types of Cloud Computing**

#### **Public Cloud**

Public cloud allows the accessibility of systems and services easily to general public. Eg: Amazon, IBM, Microsoft, Google, Rackspace etc.

#### **Private Cloud**

The Private cloud allows the accessibility of systems and services within the organization. Private cloud is operated only within a particular organization. But it will be managed internally or by third party.

#### **Hybrid Cloud**

The Hybrid cloud is the mixture of public and private cloud. Non-critical activities are performed by public cloud while critical activities are performed by private cloud.





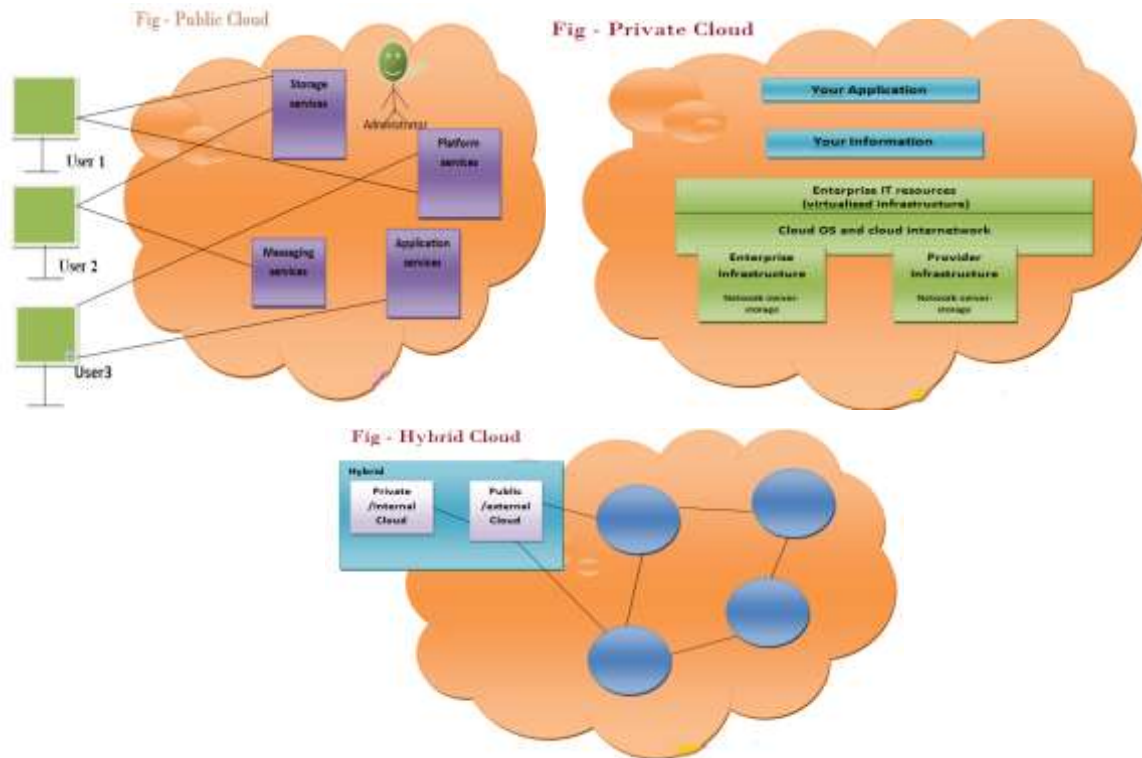
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### Cloud service models

Software as a Service | SaaS

Infrastructure as a Service | IaaS

Platform as a Service | PaaS

### Virtualization in Cloud Computing

**Virtualization** is the "creation of a virtual (rather than actual) version of something, such as a server, a desktop, a storage device, an operating system or network resources".

In other words, Virtualization is a technique, which allows to share a single physical instance of a resource or an application among multiple customers and organizations. It does by assigning a logical name to a physical storage and providing a pointer to that physical resource when demanded.

### Types of Virtualization:

1. *Hardware Virtualization.*
2. *Operating system Virtualization.*
3. *Server Virtualization.*
4. *Storage Virtualization.*



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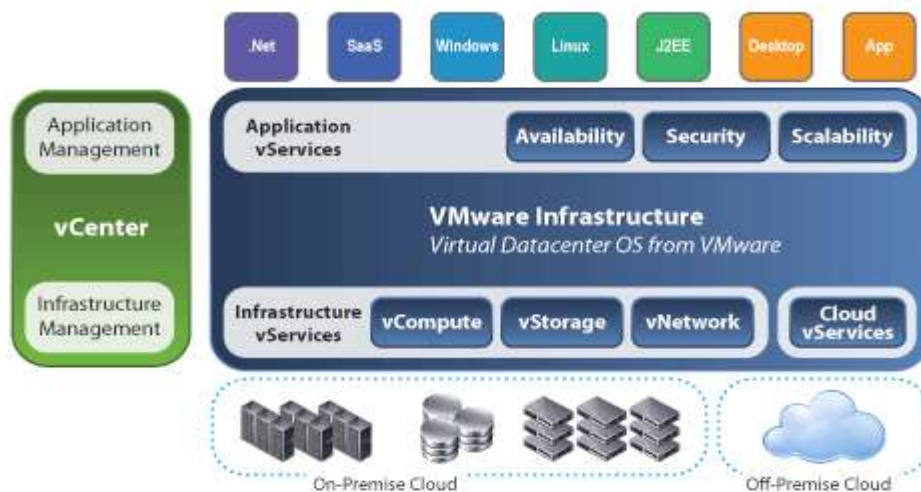
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### How does virtualization work in cloud computing?

**Virtualization** plays a very important role in the cloud computing technology, normally in the cloud computing, users share the data present in the clouds like application etc, but actually with the help of virtualization users shares the Infrastructure.

The **main usage of Virtualization Technology** is to provide the applications with the standard versions to their cloud users, suppose if the next version of that application is released, then cloud provider has to provide the latest version to their cloud users and practically it is possible because it is more expensive.

To overcome this problem we use basically virtualization technology, By using virtualization, all servers and the software application which are required by other cloud providers are maintained by the third party people, and the cloud providers has to pay the money on monthly or annual basis.



### Activity / Event Photograph :







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### STTP Boucher :

**STTP on "Cloud Computing"**  
**Registration Form**

Full Name: \_\_\_\_\_  
Designation: \_\_\_\_\_  
Institute: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
\_\_\_\_\_  
Tel. No: \_\_\_\_\_  
E-Mail: \_\_\_\_\_  
Accommodation Required: Yes / No

ISTE member: Yes/No  
(If yes, Membership No: \_\_\_\_\_)

Registration fee (Rs.): \_\_\_\_\_  
Mode of Payment: Cheque / Demand Draft  
Cheque/DD No: \_\_\_\_\_ Date: \_\_\_\_\_  
Name of the Bank: \_\_\_\_\_

I agree to abide by rules and regulations governing the above STTP

Date: \_\_\_\_\_ Signature of applicant

**Recommendation of Employer**

The applicant will be permitted to participate in the above program, if selected

Date: \_\_\_\_\_ Signature  
Name &  
Designation of  
Sponsoring authority with seal

#### Topics to be covered

- Introduction to Cloud Computing
- Virtualization
- Open Source Cloud Implementation and Administration
- Cloud Deployment Techniques
- Hands on Cloud Programming
- Risks of Cloud Computing and Related Costs
- Security as a service, Mobile Cloud Computing

#### Advisory Committee

Rev. Fr. Almeida, MD, ATEC, Vashi.  
Dr. Rollin Fernandes, Principal, Fr. C.R. I.T., Vashi.

Dr. J. W. Bakal, Principal, S. S. Jondhale College of Engineering, Mumbai.

Dr. Deven Shah, Chairman, Board of Studies of Information Technology & Principal, Terna College of Engineering, Mumbai

Prof. H. K. Kaura, HOD, COMP & IT Dept

Prof. Lakshmi M. Gadhihar, Associate Professor

Prof. Archana Shirke, Assistant Professor

#### Accommodation:

Participants who desire accommodation in the campus are requested to indicate so in the registration form. Accommodation will be provided at a nominal rate for limited number of delegates.

#### Approximate Travel Time For Reaching Agnel Technical Education Complex

- Vashi Railway Station: 15 mins. (2 kms.)
- Vashi Bus Depot: 5 mins. (0.5km)
- Domestic Airport to vashi: 1 hr. (20 kms.)



#### ISTE APPROVED SHORT TERM TRAINING PROGRAMME

on

#### "CLOUD COMPUTING"

(July 6<sup>th</sup>, 2015 – July 10<sup>th</sup>, 2015)



Organized By

#### DEPARTMENT OF INFORMATION TECHNOLOGY

Fr. C. Rodrigues Institute of Technology,  
Agnel Technical Education Complex,  
Sector 9A, Vashi  
Navi Mumbai – 400 703  
Visit: [www.fcrit.ac.in](http://www.fcrit.ac.in)

Convenors

Ms. Poonam P. Bari  
Mr. Anandkumar V. Pardeshi

#### Course Fees

ISTE Member : Rs. 2500/-  
Non-ISTE Member : Rs. 3000/-  
(Inclusive of course materials, refreshments & lunch)

The teachers sponsored by AICTE recognized institutions are required to send the registration form, duly filled, along with a bank demand draft in the favour of "PRINCIPAL Fr. C. R. I. T., Vashi" payable at Mumbai.

#### Important Dates:

Last date for Registration with DD: 30/06/15

#### Course Coordinators & Contacts:

- Mrs. Poonam P. Bari  
M - 9324817927
- Prof. Anandkumar Pardeshi  
M - 9757051555

Email: [isttp.cloud15@gmail.com](mailto:isttp.cloud15@gmail.com)

#### Information Technology Department:

Phone: 022- 41611000 Ext: 151, 152

Fax: 022- 27660619

Visit: [www.fcrit.ac.in](http://www.fcrit.ac.in)

#### Course Objective

- To present the general characteristics of cloud computing and virtualization, opportunities and challenges.
- To explore about industry expertise on virtualization and cloud computing.
- To provide common platform for UG/PG students, research fellows, experts and faculty members for interaction and exchange of ideas/research issues/best practices in the area of cloud computing.
- To build cloud computing lab using open source tools.
- To know and to develop applications on open source cloud platform.
- To discuss research areas, technology, problems and issues, an interaction between industry and academia.

#### Resource persons

- Dr. Deven Shah, Principal, Terna College of Engineering, Navi Mumbai
- Prof. Dayanand Ambawade Associate Professor, S.P.I.T., Mumbai
- Eminent Speakers from Academics.
- Expert Team, TCS

#### Profile of the Institute

Fr. C. Rodrigues Institute of Technology was established in 1994 in the heart of Navi Mumbai, Vashi, as a part of Agnel Technical Education Complex. The aim of the Institute is to provide quality technical education in addition to inculcating moral values to its students. Apart from academic excellence, the campus is also reputed for its extensive facilities that have led to it being awarded an "A" grade by the Directorate of Technical Education, Maharashtra, right from its inception. The institute is affiliated to the University of Mumbai and all the five UG engineering programmes (i.e. Computer, Mechanical, Electronics & Telecommunication, Electrical and Information Technology) are accredited from August 2012 by the National Board of Accreditation, New Delhi.

The institute also offers PG Courses in

- Mechanical Engineering (M/C Design)
- Electrical Engineering (Power Electronics and Drives).
- Electronics & Telecommunication

The institute has recently started approved research Centre in Mechanical Engineering and Electrical Engineering to broaden the prospects of imparting higher technical education and research culture.



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Sample of Attendance Sheet:

**FR C RODRIGUES INSTITUTE OF TECHNOLOGY ,VASHI**

**STTP ON "CLOUD COMPUTING"**

**6TH JULY-10TH JULY 2015**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**SIGNATURE SHEET**

**DATE** 09/07/2015

**SESSION** 11:30 - 01:30

SR NO	NAME	SIGNATURE
1	MR.CHINTAN SHAH	Chintan
2	MR. KAILASH KARNEKAR	Kailash
3	MS. PRANALI WAGH	Pranali
4	MS. NILIMA DONGARE	Nilima
5	MS. MRINAL KHADASE	Mrinal
6	MS. CHINTAL MAISHERI	Chintal
7	MS. SUPRIYA JOSHI	Supriya
8	MS. JAYA JESWANI	Jaya
9	MS. BINDU SADANANDAN	Bindu
10	MS. ANKITA RAYKAR	Ankita
11	MS. ANUSHRI JOG	Anushri
12	MS. VICHARE PRADNYA	Pradnya
13	MS. PRIYANKA KHEDEKAR	Priyanka
14	MS. MANASI DEODHAR	Manasi
15	MS. SOUMI BANERJEE	Soumi
16	MR. SUDHIR BAGADE	Sudhir
17	MR. VIKRAM HANDE	Vikram
18	MS. APARNA BHONDE	Aparna
19	MR. ANAND PARDESHI	Anand
20	MS. ARCHANA SHIRKE	Archana
21	MS. M KIRUTHIKA	M Kiruthika
22	MS. SHWETA TRIPATHI	Shweta



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### Sample Feedback form:

Name: Mr. Kailash S. Karnekar

FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY, VASHI  
Department of Information Technology

ISTE approved STTP on  
"Cloud COMPUTING"  
(6<sup>th</sup> - 10<sup>th</sup> July, 2015)

Feedback Form

A. Effectiveness of the Speaker	Excellent	Good	Satisfactory
Prof. D. Ambwade, SPIT	✓		
Prof. Dr. Deven Shah, TERNA		✓	
Ms. Pinal Shah, TCS		✓	
Mr. Hiren Solanki, TCS		✓	
Ms. Zalak Shah, TCS		✓	
Mr. Jaiprakash S, TCS	✓		
Mr. Rahul Sharma, TCS	✓		
Mr. Pravin Pote, FCRIT			✓
Mr. Bimal Shah, TCS	✓		
B. Knowledge Acquired		✓	
C. Hospitality		✓	
D. Lunch Arranged		✓	
E. Accommodation Facility		-	
F. Effectiveness of STTP		✓	
G. Over All Organization	-	.	
H. Your Comments /Suggestions	Training program was very helpful for academic purpose		

Signature:

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Name: Mr. Kailash S. Karnekar

FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY, VASHI  
Department of Information Technology

ISTE approved STTP on  
"Cloud COMPUTING"  
(6<sup>th</sup> - 10<sup>th</sup> July, 2015)

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Prof. Dr. Deven Shah, TERNA		✓	
Ms. Pinal Shah, TCS		✓	
Mr. Hiren Solanki, TCS		✓	
Ms. Zalak Shah, TCS		✓	
Mr. Jaiprakash S, TCS	✓		
Mr. Rahul Sharma, TCS	✓		
Mr. Pravin Pote, FCRIT			✓
Mr. Bimal Shah, TCS	✓		
B. Knowledge Acquired		✓	
C. Hospitality		✓	
D. Lunch Arranged		✓	
E. Accommodation Facility		-	
F. Effectiveness of STTP		✓	
G. Over All Organization	-	.	
H. Your Comments /Suggestions	Training program was very helpful for academic purpose		

Signature:

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*Agnel Charities'*

**Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai.**

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**Academic Year  
2014-15**





## Department of Computer Engineering

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### ACADEMIC YEAR 2014 - 2015

#### List of Events

Sr. No.	Name of FDP/STTP	Date	Coordinator/Convener
1.	Two days FDP on “Big Data Analytics-Hadoop”	15 <sup>th</sup> -16 <sup>th</sup> April,2015	Mrs.Smita Dange

Staff Coordinator

  
HOD







# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Computer Engineering

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### List of Participants

Fr. C.R.Institute Technology ,Vashi		
Computer Engineering Department		
FDP on Bigdata -Hadoop		
Attendance Sheet		
Date :15/04/2016		
Sr. No	Staff Name	Signature
1	Prof. H. K. Kauria	
2	Ms. M. Kishorika	
3	Mr. Amroz S	
4	Ms. Vijayalakshmi	
5	Ms. Smita D.	
6	Ms. Shweta T.	
7	Ms. Rakhi Kalantri	
8	Ms. Sandhya Pati	
9	Ms. Shagunika R.	
10	Ms. Kavita S	
11	Ms. Dakshayani	
12	Mr. Mritunjay O.	
13	Mr. Rahul J.	
14	Ms. Rupali Deshmukh	
15	Ms. Swati K.	
16	Ms. Padmashree	

*Swati D*

Staff Coordinator

*Nitin*  
HOD



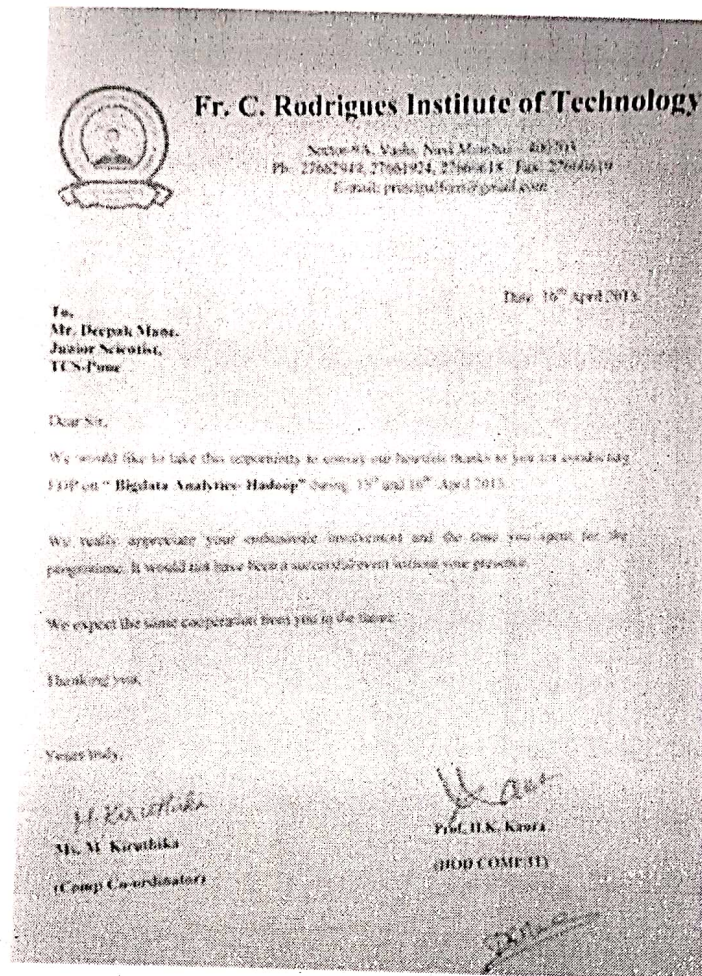
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*SwiteD*  
Staff Coordinator

*Nata*  
HOD





**ACADEMIC YEAR 2014 - 2015**

**List of Events**

Sr. No.	Name of FDP/STTP	Date	Coordinator/Convener
1.	FDP on "Product Life Cycle Management"	30 <sup>th</sup> June-4 <sup>th</sup> July, 2014	Mr. Nitin Gurav
2.	FDP on "Altair Hyperworks - FEA Technology & its Optimization Capabilities and 3D Printing"	10 <sup>th</sup> February, 2015	Mr. T. Mathewlal Ms. Pallavi Khaire




# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

### Event-1

### FDP on "Product Life Cycle Management"

30th June-4th July, 2014

REGISTRATION FORM	REGISTRATION	SIEMENS
<p>NAME: _____</p> <p>DESIGNATION: _____</p> <p>DEPARTMENT: _____</p> <p>INSTITUTE: _____</p> <p>SUBJECTS TAUGHT: _____</p> <p>ADDRESS: _____</p> <p>PHONE: _____</p> <p>MOBILE NUMBER: _____</p> <p>EMAIL ID: _____</p> <p>ACCOMMODATION REQUIRED? YES / NO (ONLY FOR OUTSTATION CANDIDATES. CHARGES WILL BE APPLICABLE)</p> <p>FOOD PREFERENCE? YEG/ NON-YEG</p> <p>SIGN OF THE PARTICIPANT</p> <p>SIGN AND SEAL OF THE COMPETENT AUTHORITY</p>	<p>No registration fees will be charged as the program is sponsored by <b>SIEMENS</b>. Registration form scanned copy is required to be sent in the prescribed format duly attested by the competent authority to <a href="mailto:fcrit.mech@gmail.com">fcrit.mech@gmail.com</a> and hard copy should reach us on below mentioned address before <b>26<sup>th</sup> June, 2014</b>.</p> <p>Address: 'Co-ordinator, FDP on PLM-2014' Agnel Technical Education Complex, Fr. C. Rodrigues Institute of Technology, Sector-9A, Vashi, Navi Mumbai, Maharashtra -400703</p> <p>Maximum number of participants is limited to 30 and registration will be confirmed only after receipt of registration form. No TA/DA will be provided for attending this program.</p> <p><b>CO-ORDINATOR</b> Mr. Nitin Gurav Assistant Professor +91 9870 169109</p> <p><b>CHAIRMAN</b> Dr. S. M. Khot Professor and Head, Department of Mechanical Engineering</p>	<p> <b>SIEMENS</b></p> <p>Mechanical Engg Dept., Fr. C. Rodrigues Institute of Technology, organizing</p> <p><b>SIEMENS</b> sponsored</p> <p><b>FACULTY DEVELOPMENT PROGRAMME (FDP) on PRODUCT LIFECYCLE MANAGEMENT (PLM)</b></p> <p><b>30<sup>th</sup> JUNE to 04<sup>th</sup> JULY, 2014 (ONE WEEK)</b></p>

  
Staff Coordinator

  
HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

DAY 1	
09.00 AM to 09.30 AM	Registrations
09.30 AM to 10.00 AM	Breakfast and Tea
10.00 AM to 11.00 AM	Inauguration
11.00 AM to 12.00 PM	Program Objective & Orientation
12.00 PM to 01.30 PM	LUNCH
01.00 PM to 03.30 PM	Introduction to NX CAX & Integration with PLM
03.30 PM to 04.00 PM	Tea
DAY 2	
09.30 AM to 10.00 AM	Breakfast and Tea
10.00 AM to 12.00 PM	Introduction to PLM & its features & functionalities
12.00 PM to 01.00 PM	LUNCH
01.00 PM to 03.30 PM	Introduction to PLM & its features & functionalities
03.30 PM to 04.00 PM	Tea
DAY 3	
09.30 AM to 10.00 AM	Breakfast and Tea
10.00 AM to 12.00 PM	Introduction to PLM & its features & functionalities
12.00 PM to 01.00 PM	LUNCH
01.00 PM to 03.30 PM	Introduction to PLM & its features & functionalities
03.30 PM to 04.00 PM	Tea
DAY 4	
09.30 AM to 10.00 AM	Breakfast and Tea
10.00 AM to 12.00 PM	Introduction to PLM & its features & functionalities
12.00 PM to 01.00 PM	LUNCH
01.00 PM to 03.30 PM	Introduction to new Technologies - DM
03.30 PM to 04.00 PM	Tea
DAY 5	
09.30 AM to 10.00 AM	Breakfast and Tea
10.00 AM to 12.00 PM	Introduction to new Technologies - DM
12.00 PM to 01.00 PM	LUNCH
01.00 PM to 03.30 PM	Closing & Valedictory Function
03.30 PM to 04.00 PM	Tea

### INSTITUTE PROFILE

Fr. C. Rodrigues Institute of Technology was established in 1994 in the heart of Navi Mumbai, Vashi, as a part of Agnel Technical Education Complex.

The main aim of the Institute is to provide quality technical education in addition to inculcating moral values to its students. Apart from academic excellence, the campus is also reputed for its extensive facilities that have led to it being awarded an "A" grade by the Directorate of Technical Education, Maharashtra right from its inception. The institute is affiliated to the University of Mumbai and accredited by NBA for all its five programs.

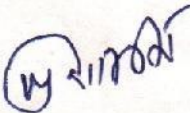
### PROGRAMME OBJECTIVE

Product Lifecycle Management (PLM) course/subject is included in many engineering undergraduate and post-graduate programs of Mumbai University.

This Faculty Development Program is being organized by Mechanical Engineering Department in order to impart high quality technical education and to enhance the knowledge in the emerging field of PLM.

PLM emerged in the early twenty-first Century as a new paradigm for manufacturing companies. As its name implies, Product Lifecycle Management enables companies to manage their products across their lifecycles. From the earliest idea for a product all the way through to the end of its life. This is one of the most important activities in any company that develops and supports products.

SIEMENS being the market leader in PLM Industry Software Services is invited to design and conduct this program. They are fully sponsoring this program to enhance quality of education.

  
Staff Coordinator

  
HOD





*Fr. C. Rodrigues Institute of Technology, Vashi*  
**Department of Mechanical Engineering**

**Brief Activity/Event Report**

1. Name of the Activity/Event : FDP on "Product Life Cycle Management
1. Activity/Event Venue & Date : Seminar Hall (Diploma Side)(30<sup>th</sup> June-4<sup>th</sup> July, 2014)
2. Nature of Participants : Faculty members from different Engineering colleges.
3. Number of Participants : 34
4. Staff Coordinator : Mr. Nitin Gurav
5. Brief Summary of the Activity/Event (in maximum 500 words):
  - a. Objectives : Provide Knowledge on Product Life Cycle management.

**b. Technical Description :**

The faculty Development Program on PLM was focused on introduction of the basic ideas of PLM and subsequently move towards new trends followed in the field in industries. The FDP was organized in association with SIEMENS which is a leading company in Product Life cycle Management. Various aspects of PLM were discussed along with the modern software tools used in the field.

**c. Outcomes :** Participants were able to

- i. Understand the basics of PLM
- ii. Get acquainted with the modern trends in PLM being followed in industries.
- iii. Get knowledge of different softwares being used in the field of PLM.

Staff Coordinator

HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

### List of Participants



FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY, VASHI

DEPARTMENT OF MECHANICAL ENGINEERING

Sector - 9A, Vashi, Navi Mumbai - 400703 Tel: 022-41611000

[www.fcrit.ac.in](http://www.fcrit.ac.in)

01/07/14

### FCRIT VASHI and SIEMENS organized FACULTY DEVELOPMENT PROGRAMME (FDP)

#### PRODUCT LIFECYCLE MANAGEMENT (PLM)

30<sup>th</sup> JUNE to 04<sup>th</sup> JULY, 2014 (ONE WEEK)

SR. NO.	NAME	INSTITUTE	SIGN
1.	Mr. R. K. Agarwal	Yadavrao Tasgaonkar College Of Engineering & Management, Chandhai, Karjat	<i>R.K. Agarwal</i>
2.	Mr. Anant Namdeo Tarase	Fr. C. Rodrigues College of Engineering, Bandra	<i>AT</i>
3.	Mr. Sagar Bone	Vidhyavardhinis College of Engineering, Vasai	<i>Absent</i>
4.	<del>Mr. N. J. Panaskar</del> Mr. Nitin J. Panaskar	L. A. Institute of Technology	<i>NJ</i>
5.	Mr. Dhiraj S. Kharatmal	L. A. Institute of Technology	<i>D. S. Kharatmal</i>
6.	Dr. Rajesh Buktar	Sardar Patel College of Engineering, Mumbai	<i>Absent</i>
7.	K.N. Maheshwarappa	Bapuji Polytechnic Shabanur, Davangere Karnataka	<i>Absent</i>
8.	Mr. Madan Jagtap	Saraswati College of Engineering, Kharghar, Navi Mumbai	<i>Madan Jagtap</i>
9.	Mr. Yuvraj Kandpile	Don Bosco Institute of Technology, Mumbai	<i>Y. Kandpile</i>
10.	Mr. Virkunvar Anvesh	Yadavrao Tasgaonkar College Of Engineering & Management, Chandhai, Karjat	<i>V. Anvesh</i>
11.	Mr. Omkar Joshi	Viva Institute of Technology	<i>Omkar Joshi</i>
12.	Mr. Mohd. Asif Gandhi	Anjuman-I-Islam Kalsekar Technical Campus, New Panvel	<i>M. Asif Gandhi</i>
13.	Mr. Mohammad Jawed	Anjuman-I-Islam Kalsekar Technical Campus, New Panvel	<i>M. Jawed</i>
14.	Mr. R. S. Khavekar	D J Sanghavi College of Engineering, Mumbai	<i>R. S. Khavekar</i>
15.	Mr. Mehul Prajapati	D J Sanghavi College of Engineering, Mumbai	<i>M. Prajapati</i>

*(Signature)*  
Staff Coordinator

*(Signature)*  
HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

16.	Mr. Arun P. Raju	Pillai Institute of Information Technology, Engineering, Media Studies and Research,	<i>Arun Raju</i>
17.	Mr. Anoop Sambherao	Pillai Institute of Information Technology, Engineering, Media Studies and Research,	<i>AB</i>
18.	Mr. Ameya More	Pillai HOC College of Engineering and Technology, Rasayani	<i>Ameya</i>
19.	Mr. Sandeep Joshi	L. T. College of Engineering, Navi Mumbai	<del>Absent</del>
20.	Mr. Ajay Kashikar	L. T. College of Engineering, Navi Mumbai	<del>Absent</del>
21.	Mr. Yayati Shinde	Bharati Vidyapeeth College of Engineering, Navi Mumbai	<i>Yayati</i>
22.	Mr. Deelip Bhagwatrao Radkar	Bharati Vidyapeeth College of Engineering, Navi Mumbai	<i>Deelip</i>
23.	Mr. Shoaib Shaik	Sardar Patel Institute of Technology, Mumbai	<del>Absent</del>
24.	Mr. Tushar P. Shinde	Yadavrao Tasgaonkar Institute of Engineering and Technology, Bhivpuri	<del>Absent</del>
25.	Mr. A. S. Raut	Rajendra Mane College of Engineering and Technology, Devrukh, Ratnagiri	<i>Achut</i>
26.	Ms. Shamim S. Pathan	Fr. C. Rodrigues Institute of Technology, Vashi	<i>Shamim</i>
27.	Mr. Gangaprasad Shirale	Sardar Patel College of Engineering, Mumbai	<i>Gangaprasad</i>
28.	Mr. Praseed Kumar	Fr. C. Rodrigues Institute of Technology, Vashi	<i>Praseed</i>
29.	Mr. Nilesh Sonu Varkute	Fr. C. Rodrigues Institute of Technology, Vashi	<i>Nilesh</i>
30.	Ms. Shradha M. Patil	Fr. C. Rodrigues Institute of Technology, Vashi	<i>Shradha</i>
31.	Mr. Ravi Vairagkar	ME Machine Design - Student, Fr. C.R.I.T. Vashi	<i>Ravi Vairagkar</i>
32.	Miss Priya Bramhwarshi	YTCEM Karjat	<i>Priya</i>
33.	Mr. Vibramaditya A. Khatke	YTCEM, Karjat	<i>Vibramaditya</i>

34. Mr. Vyankatesh R. Wadhavkar SPCE, Mumbai *Venky*

*[Signature]*  
Staff Coordinator

*[Signature]*  
HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

### Event-2

## "FDP on "Altair Hyperworks - FEA Technology & its Optimization Capabilities and 3D Printing"

10<sup>th</sup> February, 2015

### Brochure/Invitation

#### REGISTRATION FORM

NAME: SANKET D. PARAB  
DESIGNATION: Assistant Professor  
DEPARTMENT: Production  
INSTITUTE: O.T. Sanghvi College  
SUBJECTS: of Engineering.  
TAUGHT: Manufacturing Production  
& Control, CAM & OR.  
ADDRESS: A-1101, Building No. 90,  
Udwala Residency, Tilaknagar,  
Chembur, Mumbai - 400089.  
PHONE: \_\_\_\_\_  
MOBILE NO: 7506051846  
EMAIL ID: snkt.prb@gmail  
com

Sanket  
SIGN OF THE PARTICIPANT

Dr. S.M. Khot  
SIGN AND SEAL OF THE COMPETENT AUTHORITY



#### REGISTRATION

No registration fees will be charged as the program is sponsored by *DesignTech*. Registration form scanned copy is required to be sent in the prescribed format duly attested by the competent authority to [mechanical.fcrit@gmail.com](mailto:mechanical.fcrit@gmail.com) and hard copy should reach us on below mentioned address before 7 February 2015.

#### ADDRESS

Co-ordinator, FDP  
Department of Mechanical Engineering,  
Agnel Technical Education Complex,  
Fr. C. Rodrigues Institute of Technology,  
Sector-9A, Vashi Navi Mumbai,  
Maharashtra-400703

Maximum number of participants is limited and registration will be confirmed only after receipt of registration form.  
No TA/DA will be provided for attending this program

#### CO-ORDINATORS

Mr. T. Mathewlal  
Associate Professor  
+919619352343/09819660312

Ms. Pallavi Khairé  
Assistant Professor  
+91 9870119459

#### CHAIRMAN

Dr. S.M. Khot  
Professor and Head,  
Department of Mechanical Engineering



• *DesignTech*  
Technology For Designing The Future

#### FACULTY DEVELOPMENT

#### PROGRAMME

(FDP)

on

ALTAIR HYPERWORKS-FEA

TECHNOLOGY AND ITS

OPTIMIZATION CAPABILITIES

AND 3D PRINTING

Organized By

Department of Mechanical  
Engineering,  
Fr. C. Rodrigues Institute of  
Technology, Vashi

Sponsored By

*DesignTech*

10 February 2015

Dr. T. Mathewlal  
Staff Coordinator

Dr. S.M. Khot  
HOD





### PROGRAM SCHEDULE

9:30 am to 10:00 am	Registration
10:00 am to 11:00 am	Introduction to Altair HyperWorks Suite of Products
11:00 am to 11:30 am	Live example DEMO for Meshing and Analysis
11:30 am to 11:45 am	Tea/Coffee
11:45 am to 12:30 pm	Introduction to Design Optimization using Optistruct sTinspire
12:30 pm to 1:15 pm	Live example DEMO on Optimization
1:15 pm to 2:00 pm	Lunch
2:00 pm to 3:30 pm	Introduction to 3D printing: FDM Technology
3:30 pm to 3:45 pm	Tea/Coffee
3:45 pm to 4:30 pm	Introduction to CFD using AcuSolve
4:30 pm to 5:00 pm	Q & A

### INSTITUTE PROFILE

Fr. C. Rodrigues Institute of Technology was established in 1994 in the heart of Navi Mumbai-Vashi, as a part of Agnel Technical Education Complex.

The main aim of the institute is to provide a quality technical education in addition to inculcating moral values to its students. Apart from academic excellence, the campus is also reputed for its extensive facilities that have led to being awarded an "A" grade by the Directorate of Technical Education, Maharashtra right from its inception. The institute is affiliated to the University of Mumbai and was accredited twice by NBA.

### PROGRAMME OBJECTIVE

Finite Element Analysis (FEA) and Optimization courses/subjects are included in many engineering undergraduate and post graduate programs of Mumbai University.

The Program is being organized by Mechanical Engineering Department in order to impart high quality technical education and to enhance the knowledge in the emerging field of FEA, Optimization and 3D Printing. This Faculty Development Program will be covering use of CAE Technology for Design Optimization (Topology and Topography) and awareness to 3D printing technology.

  
Staff Coordinator

  
HOD






*Fr. C. Rodrigues Institute of Technology, Vashi*  
**Department of Mechanical Engineering**

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**Brief Activity/Event Report**

- 1) Name of the Activity/Event : FDP on Altair Hyperworks-FEA Technology & its optimization Capabilities & 3D Printing
- 2) Activity/Event Venue & Date : Seminar Hall(10<sup>th</sup> Feb-2015)
- 3) Nature of Participants : Faculty of Mechanical Engineering and Production Engineering in Mumbai University.
- 4) Number of Participants : 43
- 5) Staff Coordinator : Mr. T. Mathewlal & Ms. Pallavi Khaire
- 6) Brief Summary of the Activity/Event (in maximum 500 words):
  - a) **Objectives** : Provide Knowledge on Altair Hyperworks-FEA Technology & its optimization Capabilities and 3d printing.
  - b) **Technical Description** :

Mr. Kushal Kesrod, National Manager-CAE, Design Tech gave an expert talk on "Design optimization using *obstistruct sTinspire* with live example demo on optimization using altair hyperworks and an introduction to CFD using AcuSolve software. Mr. Ravi Patil, National Manager-RPT, DesignTech gave demo on "3D Printing".
  - c) **Outcomes** :Participants were able to
    - i. Understand the finite element analysis technology using Altair.
    - ii. Visualize Design optimization using *obstistruct sTinspire*.
    - iii. Visualize CFD using AcuSolve software.
    - iv. Acquire knowledge on 3D Printing.

  
Staff Coordinator

  
HOD





# Fr. C. Rodrigues Institute of Technology, Vashi

## Department of Mechanical Engineering

### List of Participants

Fr.C.Rodrigues Institute of Technology,Vashi.

Mechanical Engineering Department.

SR NO.	NAME OF FACULTY	INSTITUTE	SIGNATURE
1	ANWESH K.VIRKUNWAR	SSJCET, ASANGAON	
2	SANTOSH V.DEOKARE	SSJCET, ASANGAON	
3	GANESH KADAM	SIESGST, NERUL	
4	SONAL SALI	BVCOE, KHARGHAR ✓	
5	PRAMOD R.SURYAVANSHI	BVCOE, KHARGHAR ✓	
6	BALBHEEM KAMANNA	BVCOE, KHARGHAR ✓	
7	SAGAR DHARMADHIKARI	BVCOE, KHARGHAR ✓	
8	G.N.THOKAL	PIIT, NEW PANVEL	
9	LOMESH TIKARIHA	PIIT, NEW PANVEL	
10	RICHA AGARWAL	PIIT, NEW PANVEL	
11	SHINDE RAKESH	LTCOE, KOPERKHAIRANE	
12	WAGHMARE SAINATH	LTCOE, KOPERKHAIRANE	
13	KHAN NAFEEES AHMED	VCET, VASAI	
14	SANJAY RUKHANDE	FCRIT, VASHI	
15	BHUSHAN LOKHANDE	SSJCET, DOMBIVALI	
16	SAGAR PAWAR	SSJCET, DOMBIVALI	
17	KAMLESH BACHKAR	LTCOE, KOPERKHAIRANE	
18	DEEPAK DUBBAWAR	GHARDA INSTITUTE OF TECHNOLOGY, LVEL	
19	PRAVIN JADHAV	GHARDA INSTITUTE OF TECHNOLOGY, LVEL	
20	ONKAR V POTADAR	SIESGST, NERUL	
21	YUSUF KHAN	MGMCT, KAMOTHE	
22	LALAN SHARMA	WEENER EMPIRE PLASTICS PVT LTD.	
23	ABHINAV GUPTA	WEENER EMPIRE PLASTICS PVT LTD.	
24	RAKESH POJARI	ARMILT, SHAHAPUR	
25	MOHAMMED JAVED	AIKTC, PANVEL	
26	CHRISTU M	FCRIT, VASHI	
27	SANKET PARAB	D.J. SANGHVI COLLEGE OF ENGINEERING	
28	GEETHA SUBRAMANIAN	LTCOE, KOPERKHAIRANE	

Swati D. Rahate LTCOE

Divya Singh (ICARE)

Saurabh Korgoonkar (FCOE, Bandra)

Binu Varghese (SJCET) (ACTCOE)

Vinod Surange (SJCET)

Pawan Rayar (VCET, Vasai)

Mayur Patil (SJCET) (ACTCOE)

Suresh Kunjan (SIESGST Nerul)

Prof. Dhananjay (DJSCOE)

Shrinivas Dombale (Pentair)





**Fr. C. Rodrigues Institute of Technology, Vashi**  
**Department of Mechanical Engineering**

**Fr.C.Rodrigues Institute of Technology,Vashi.**  
**Mechanical Engineering Department.**

SR NO.	NAME OF FACULTY	INSTITUTE	SIGN
1	Swati Devidas Rahate	LTCOE	Pshale
2	Darshan Rayar	VCCD VASAI	Rayar
3	Nawaz Motiwala	A.T.K.T.C, PUNE	Motiwala
4	Altamash Ghazi	"	Ghazi
5	Momin Nafe	"	Nafe
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Staff Coordinator

HOD



*Fr. C. Rodrigues Institute of Technology*

**Department of Information Technology**

**Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.**

**ACADEMIC YEAR 2014 - 2015**

**List of Events**

Sr. No	Event name	Date of Event	Coordinator
1	ISTE Approved STTP on “Open Source Technologies”	07 <sup>th</sup> to 11 <sup>th</sup> July 2014	07 <sup>th</sup> to 11 <sup>th</sup> July 2014
2	Improving Leadership Qualities	4th Oct 2014	4th Oct 2014





# *Fr. C. Rodrigues Institute of Technology*

## **Department of Information Technology**

**Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.**

### **EVENT 1**

#### **Brief Activity/Event Report**

- 1. Name of the Activity/Event : STTP organization**
- 2. Activity/Event Venue & Date : Department of Information Technology ,FCRIT.  
June 30 to July 4 2014**
- 3. Nature of Participants : Staff of Mumbai University**
- 4. Number of Participants : 11**
- 5. Student Coordinator : ----**
- 6. Staff Coordinator : Mrs. Trupti Lotlikar**
- 7. Brief Summary of the Activity/Event (in maximum 500 words):**

#### **Objectives:**

#### **Course Objectives:**

1. To introduce the concept of Open Source Technology.
2. To enable students to learn installation, management, administration and security of Red Hat Enterprise Linux environment
3. To enable students to learn security of Red Hat Enterprise Linux environment
4. To enable students to write shell programm in Linux environment
5. To acquaint with Drupal.
6. To enable students to learn setting up the environment for developing android application.
7. To make students well versed with mobile programming.

#### **Technical Description :**

- This course contains concept of Open source technology. Open source software is software in which the source code used to create the program is freely available for the public to view, edit, and redistribute.
- It gives idea of Red Hat Enterprise Linux; Managing, Administering, Securing Red Hat Enterprise Linux.
- This course explains Drupal source content management platform powering millions of websites and applications.
- This course also explains about Linux based operating system(Android) for mobile devices such as smartphones and tablet computers.



# Fr. C. Rodrigues Institute of Technology

## Department of Information Technology

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

### STTP Boucher :

**STTP on "Open Source Technologies"**  
**Registration Form**

Full Name: \_\_\_\_\_  
Designation: \_\_\_\_\_  
Institute: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
\_\_\_\_\_  
Tel. No: \_\_\_\_\_  
E-Mail: \_\_\_\_\_  
Accommodation Required: Yes / No  
ISTE member: Yes/No  
(If yes, Membership No. \_\_\_\_\_)  
Registration fee (Rs.): \_\_\_\_\_  
Mode of Payment: Cheque / Demand Draft  
Cheque/DD No: \_\_\_\_\_ Date: \_\_\_\_\_  
Name of the Bank: \_\_\_\_\_

I agree to abide by rules and regulations governing the above STTP

Date: \_\_\_\_\_ Signature of applicant

**Recommendation of Employer**

The applicant will be permitted to participate in the above program, if selected

Date: \_\_\_\_\_ Signature  
Name &  
Designation of  
Sponsoring authority with seal

#### Topics to be covered

- Over View of Open Source Software
- Installation of Linux
- File System Management
- System Administration
- Network and Security Administration
- Shell Programming
- Version Control using RCS and CVS
- Open Source Mobile Programming
- Working with IPTABLES, OpenVAS
- Hands-on on Drupal, Android Programming and other open source tools.

#### Advisory Committee

Rev. Fr. Almeida, MD, ATEC, Vashi.  
Dr. Rollin Fernandes, Principal, Fr. C.R. I. T., Vashi.  
Dr. Ukarande, Dean, Faculty of Technology, University of Mumbai.  
Dr. J. W. Bakal, Chairman, Board Of Studies of Information Technology & Principal, S. S. Jondhale College of Engineering, Mumbai.  
Dr. Devan Shah, Principal, Terna College of Engineering, Mumbai  
Prof. H. K. Kaura, HOD, COMP & IT Dept  
Prof. Archana Shirke, Associate Professor

#### Accommodation:

Participants who desire accommodation in the campus are requested to indicate so in the registration form. Accommodation will be provided at a nominal rate for limited number of delegates.  
**Approximate Travel Time For Reaching Agnel Technical Education Complex**

- Vashi Railway Station: 15 mins. (2 kms.)
- Vashi Bus Depot: 5 mins. (0.5km)
- Domestic Airport to Vashi: 1 hr. (20 kms.)



ISTE APPROVED  
SHORT TERM TRAINING  
PROGRAMME

on  
**"OPEN SOURCE  
TECHNOLOGIES"**

(July 7<sup>th</sup>, 2014 – July 11<sup>th</sup>, 2014)



Organized By

**DEPARTMENT OF  
INFORMATION TECHNOLOGY**

Fr. C. Rodrigues Institute of Technology,  
Agnel Technical Education Complex,  
Sector 9A, Vashi  
Navi Mumbai – 400 703  
Visit: www.frcrit.ac.in

Course Convener  
**Prof. (Mrs.) Trupti Lotlikar**

#### Course Fees

ISTE Member : Rs. 2500/-  
Non-ISTE Member : Rs. 3000/-  
(Inclusive of course materials, refreshments & lunch)

The teachers sponsored by AICTE recognized institutions are required to send the registration form, duly filled, along with a bank demand draft in the favour of "PRINCIPAL, Fr. C. R. I. T., Vashi" payable at Mumbai.

#### Important Dates:

**Last date for Registration with DD: 21/06/14**

#### Course Coordinators & Contacts:

- Prof. Trupti Lotlikar  
M- 8419942424
- Prof. Dhanashree Hadsul  
M - 9892809062

Email: frcritsttp2014@gmail.com

#### Information Technology Department:

Phone: 022- 41611000 Ext: 151, 152

Fax: 022- 27660619

Visit: www.frcrit.ac.in

#### Course Objective

Open Source Software is taking over the world. If you believe in this statement and you are a software engineer, then this course is for you. The main objective of this STTP is to train faculty of Mumbai University in the subject "Open Source technologies" for semester V of Information Technology. This course introduces essential skills and concepts for open source development. Hands-on Training will be provided with lab interaction.

#### Resource persons

- Dr. Deepak B. Bhatak Professor, CSE IIT Bombay, Mumbai.
- Dr. Sanjibhar Iyer Professor, CSE IIT Bombay, Mumbai.
- Dr. Jyotsna Agte Professor, CSE IIT Bombay, Mumbai.
- Dr. Ashwin Gumasate Associate Professor, CSE IIT Bombay, Mumbai.
- Mr. Sudhir Bhaskaran, Head, Global Learning Services, Redhat
- Dr. Devan Shah, Principal, Terna College of Engineering, Mumbai
- Prof. Dayanand Ambavade Associate Professor, S.P.I.T., Mumbai
- Prof. Vaishali Khaimaar, HOD, Comp. Dept. Terna College of Engineering, Mumbai
- Mr. Bipin Kulkarni, IT Networking & Security Consultant, Pune

#### Profile of the Institute

Fr. C. Rodrigues Institute of Technology was established in 1994 in the heart of Navi Mumbai, Vashi, as a part of Agnel Technical Education Complex. The aim of the Institute is to provide quality technical education in addition to inculcating moral values to its students. Apart from academic excellence, the campus is also reputed for its extensive facilities that have led to it being awarded an "A" grade by the Directorate of Technical Education, Maharashtra, right from its inception. The institute is affiliated to the University of Mumbai and all the five UG engineering programmes (i.e. Computer, Mechanical, Electronics & Telecommunication, Electrical and Information Technology) are accredited from August 2012 by the National Board of Accreditation, New Delhi.

The institute also offers PG Courses in

- Mechanical Engineering (M/C Design)
- Electrical Engineering (Power Electronics and Drives).
- Electronics & Telecommunication

The institute has recently started approved research Centre in Mechanical Engineering to broaden the prospects of imparting higher technical education and research culture.





# *Fr. C. Rodrigues Institute of Technology*

## **Department of Information Technology**

**Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.**

### **List of Participants:**

#### **FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY**

##### **Department of Information Technology**

**STTP on “Open Source Technologies” (07 July-11 July, 2014)**

#### **Registration List**

<b>Sr. No</b>	<b>Name</b>	<b>College</b>	<b>ISTE</b>	<b>Contact No.</b>
1	Soumi Banerjee,	RAIT	Yes	8451845924
2	Anita Patil Mhatre .	RAIT	No	9970893294
3	Deepali Nayak	VIT	No	9004089604
4	Shashikant Mahajan	VIT	No	8097615087
5	Kalpesh Narendra Kubal	SFIT	Yes	8097236187
6	Bushra Shaikh	SIES,GST	Yes	9833199844
7	Sandhya Pati	Fr.C.R.I.T	Yes	9869331668
8	Swati Kinehekar	Fr.C.R.I.T	No	9930352244
9	Kalpana Wani	Fr.C.R.I.T	Yes	9594912919
10	Poonam Bari	Fr.C.R.I.T	Yes	9324817927
11	Prachi Goel	Fr.C.R.I.T	No	9769342396

**Co-coordinator IT Department**



# *Fr. C. Rodrigues Institute of Technology*

## **Department of Information Technology**

**Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.**

### **EVENT 2**

#### **Brief Activity/Event Report**

- 1. Name of the Activity/Event : Improving Leadership Qualities**
- 2. Activity/Event Venue & Date : Department of Information Technology ,FCRIT.**

**4th Oct 2014**

- 3. Nature of Participants : Staff of IT department (FCRIT)**
- 4. Number of Participants : 14**
- 5. Student Coordinator : ----**
- 6. Staff Coordinator : Mrs Archana Shirke**
- 7. Brief Summary of the Activity/Event (in maximum 500 words):**

Improving Leadership Qualities FDP is meant to get a head start on leadership development plan, This one day FDP to improve

#### **1. Strategic thinking.**

Improve my ability to see the big picture and take a longer range, broader business perspective. Learn to step back from the day-to-day tactical details of my business and focus on the “why”, not just the “what” and “how”.

#### **2. Listening.**

Learn to pay attention and demonstrate to others that I value what they have to say. Use active listening, open-ended questions, body language, and eliminate distractions that get in the way of my ability to listen.

#### **3. Coaching.**

Shift my leadership style away from always directing and telling and learn to guide and develop my direct reports. Work with each of my direct reports to create their own individual development plans.

#### **4. Financial acumen.**

Learn how to understand, interpret, and use “the numbers” to improve my business.

#### **5. Cross-functional knowledge and perspective.**

Learn about other aspects of the business other than my own functional silo.

#### **6. Industry, competitive, and customer knowledge.**

Improve my understanding of our industry and our competitors. Get closer to our customers and find out what they need and value.

#### **7. Leadership presence.**

Improve my ability to “command a room” and communicate in an authentic way that inspires others.





# *Fr. C. Rodrigues Institute of Technology*

## **Department of Information Technology**

**Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.**

### **8. Change leadership.**

Be more of a change catalyst, a champion of change. Learn to implement and sustain change in my organization.

### **9. Remote management.**

**8.** Improve my ability to manage my remote direct reports and organization. Make better use of technology to improve internal communications and collaborate virtually.

**9.**

### **10. Collaboration.**

Improve relationships with my peers. Be a better partner, understand their goals and needs, and learn to work together to help achieve each others goals.

### **11. Talent management.**

Improve my ability to assess, hire, promote, and develop. Fill all open positions with nothing but “A” players and replace chronic underperformers. Develop a “virtual bench” for all key positions and a succession plan for my own position.

### **12. Time management.**

Get a handle on where I’m wasting time and shift my focus to more value-added activities. Learn ways to work more efficiently and prioritize.



# Fr. C. Rodrigues Institute of Technology

Department of Information Technology

Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.

## FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY, VASHI

Department of Information Technology

### NOTICE

Date: 1/10/2014

This is to inform you that IT department has scheduled seminar on "Improving leadership qualities" for teaching and non-teaching staff of the department. All are requested to attend the seminar on 04/10/2014 at 2:00pm in Lab 5.

Resource Name	Topic	Venue	Date & Time
Mr. Debasis Das Manager content Development, Jetking Mumbai	Improving leadership qualities	Lab5	04/10/2014 2:00pm - 5:00pm

Thank you.

Ms. Archana S.  
IT coordinator