3.2.2 Reports of workshops/seminars conducted on Industry-Academia Innovative practices during the last five years

Academic Year: 2015-16

Brief Activity/Event Report

Name of the activity/Event: Expert Lecture

Nature of Participants: AY 2015-2016

Number of expert lectures:06

Objective: To bridge the gap between syllabus and recent trends in Engineering & Technology, the concept of content beyond syllabus is introduced. Guest/Expert lectures on advanced technologies are conducted for students.

Total 06 expert lectures delivered in year 2015-2016.Details are attached with this report

M. Kiruthika

H.O.D

Department of Computer Engineering

Sr.No.	Title	Expert Name	Name of Organization	Date	Sem	No. of Students
1.	Embedded Systems and Latest Microprocessors and Microcontrollers	Ms. Janhavi B	DBIT, Kurla, Mumbai	17/2/2016	IV	52
2.	Distributed Databases	Mr. Manoj Panch	IClarity IT Services, Mumbai	27/2/2016	VI	44
3.	Mobile Communication and Computing	Prof. H.K.Kaura	HOD, Computer Dept., Fr.C.R.I.T	1/3/2016	VI	39
4.	Theory of Computer Science	Mr. Supratik Chakraborty	IIT ,Bombay	12/4/2016	IV	26
5.	BigData	Dr. Amiya Tripathi	DBIT, Mumbai	18/2/2016	IV	45

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Brief Activity/Event Report

1. **Name of the Activity/Event**   **:**Departmental Seminar

2. **Activity/Event Venue & Date** : Agnel Computer Engineering Students Symposium(ACESS'2018), 1st Floor Seminar Hall New building, Agnel Technical Complex, 26/8/15

3. **Nature of Participants**   : Students of Computer Engineering

4. **Number of Participants**   :205

5. **Student Coordinator**   : Mr. Jonathan

6. **Staff Coordinator**   :Ms. Vijay Lakshmi

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

a) **Objectives**   :

- Exposure with Industrial Professionals to groom a career path.

- Unifying Technical Reviews with the Recent Technologies.

- Inducing and Inculcating Leadership Qualities.

- Accessibility for Campus Placements.

b) **Technical Description :** Seminars on following topics were conducted in the during the symposium

- Topic 1: Overview on Cloud Computing
  Mr. Sankara Krishnan delivered a presentation on the topic " Overview on Cloud Computing". He spoke about how cloud computing enables companies to consume compute resources as a utility – just like electricity—rather than having to build and maintain computing infrastructures in-house.

  Cloud Computing promises several attractive benefits for businesses and end users. Three of the main benefits of cloud computing include:

  Self-service provisioning: End users can spin up computing resources for almost any type of workload on-demand.

  Elasticity: Companies can scale up as computing needs increase and then scale down again as demands decrease.

  Pay per use: Computing resources are measured at a granular level, allowing users to pay only for the resources and workloads they use.

  Cloud Computing services can be private, public or hybrid.

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Private cloud services are delivered from a business data centre to unternal users. This model offers versatility and convenience. While preserving management, control and security. Internal customers may or may not be billed for services through IT chargeback.

In the public cloud model, a third-party provider delivers the cloud service over the internet. Public cloud services are sold on-demand, typically by the minute or the hour. Customers only pay for the CPU cycles, storage or bandwidth they consume. Leading public cloud providers include Amazon Web Services(AWS), Microsoft Azure, IBM/SoftLayer and google Compute Engine.

- Topic 2: Distributed Database
  The second session about Distributed Database was conducted by Mr. Awdhesh Singh who is currently working as the consultant at Dell Software.

  In his Session. He started by giving introduction on distributed database(DDBMS) via practical and Technical definitions. He talked about parallel, shared databases and applications of DBMS. Promises of Distributed databases its advantages and disadvantages along with the key issues of DDBMS and touched the topic: Distributed query optimization od distributed databases. After the conclusion of his seminar he conducted an interactive question and answer session. The concept of DDBMS was accurately explained by Mr. Awdhesh Singh and his session turned out to be highly informative and enlightening.

c) **Outcomes**   :

- Students got internship opportunity
- The students were made aware on basic concepts of Cloud Technology.
- Students took up project Distributed Database

d) **Activity / Event Photograph** :

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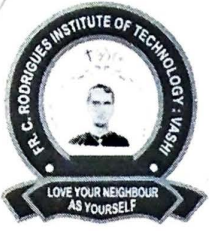
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1) **Name of the Activity/Event** **:**Departmental Seminar

2) **Activity/Event Venue & Date** : Agnel Computer Engineering Students Symposium(ACESS'2018), 1st Floor Seminar Hall New building, Agnel Technical Complex, 5/2/17

3) **Nature of Participants** : Students of Computer Engineering

4) **Number of Participants** :145

5) **Student Coordinator** : Ms. Gloria Benny

6) **Staff Coordinator** :Ms. Shweta Tripathi

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

e) **Objectives** :

- Exposure with Industrial Professionals to groom a career path.

- Unifying Technical Reviews with the Recent Technologies.

- Inducing and Inculcating Leadership Qualities.

- Accessibility for Campus Placements.

f) **Technical Description :** Seminars on following topics were conducted in the during the symposium

- Topic 1- Business Principles and Professional Ethics in Information Technology The Keynote speaker, Mrs. Ancy Bejoy, an alumnus of Computer Engineering Department, batch of 1998,the first BE - Computer batch, is currently working as Sr. Project Manager with Credit Suisse Risk & Finance IT. With 18 years of experience in the IT industry, her domains include CAD-GIS, Medical Pacemakers, Logistics and Banking. She started her Keynote address by sharing her memories in the college as a student. The main content of her speech was Personal and Professional Ethics in the Corporate World. She focused on the need to maintain professional integrity with the help of ethics and discussed topics like insider trading, bribery, discrimination, social responsibility and confidentiality. The ethics that need to be maintained while dealing with the above mentioned topics were discussed. She also happily answered questions regarding life in the corporate world. Her talk was greatly appreciated.

  The session ended with a vote of thanks given by Mrs. Shweta Tripathi. The students thereafter enjoyed the refreshments given to them. The session left an

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indelible mark on the students. Her thoughts were of great guidance in knowing how to deal with various kinds of situations in the real business world. The seminar was organized successfully with unstinted support of the CSI committee and the Computer Department.

g) Outcomes :

- Students got internship opportunity
- The students were made aware on the legal aspect of computer technologies.
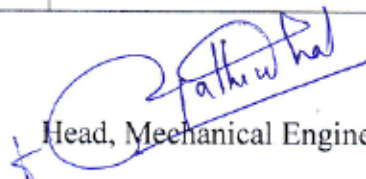- Students took up project on cyber security and blockchain technologies

Staff Coordinator

H.O.D.

Brief Activity/Event Report

1. Name of the Activity/Event: Expert lecture 2015-16

2. Number of Participants: --708

3. Objectives:

I. To provide exposure to the students about latest technological advancements in each course.

II. To expose students to the requirements of industry in different domains.

III. To Understand the role of engineers for societal benefit.

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

2015-2016

Activity/Event Venue & Date	Nature of Participants	Number of Participants	Expert Lecturer	Technical description
19/9/2015	Students of Sem III,V,VII	165	Mr.Guruprasad Rao,Director Technology and Operations, Imaginarium(Conducted under SYNERGY'15)	Rapid Prototyping (3D printing)
19/9/2015	Students of Sem III,V,VII	158	Mr. Sagar Parikh and Mr. Priyesh Mehta Engineer, Technology and Operations, Imaginarium(Conducted under SYNERGY'15)	Rapid Prototyping (3D printing)
26/9/2015	Students of Sem V	72	Varsha Rangaswamy Graduate Engineer Trainee, L&T Ltd.	Practical Exposure to material technology
17/2/2016	Students of Sem IV	62	Ramchandra Bhosale Research Scholar, IIT Bombay	Motor Selection
23/02/2016	Students of Sem VIII	63	Dr.P.Seshu Professor,Department of Mechanical Engg. IIT Bombay(Conducted under MESH'16)	Finite Element Dynamic Analysis
23/02/2016	Students of Sem VI	58	Dr. Sridhar Balasubramanian Asst. Professor,Department of Mechanical Engg. IIT Bombay(Conducted under MESH'16)	Advancements in Experimental methods for fluid flow
23/02/2016	Students of Sem IV	69	Dr.K.P.Karunakaran Professor,Department of Mechanical Engg. IIT Bombay(Conducted under MESH'16)	3D Printing
5/3/2016	Students of Sem VI	61	Mr.Jitendra Sardar Manager, Mazgaon Dock Ltd.	Shaft Design
Total		708		

Head, Mechanical Engineering Department

Department of Electronics & Telecommunication Engineering

A Report on the "LOOPS-2016"

This years "LOOPS-2016" programme of Electronics & Telecommunication Engineering Department & IETE-ETSA Students' Forum was conducted on **February 23, 2016 (Tuesday)** from 9.00 am to 12.30 pm in Class Room AX309, New Building, Fr. CRIT, Vashi. Total 170 students (SE/TE/BE) were allowed to attend LOOPS, around 12 teaching faculty members, 4 lab assistants, 3 guest, and student volunteers attended the programme consisting of following technical lectures:

LOOPS – 2016 Schedule			
Time	Activity	Speaker	Title
9.00 Hrs	Registration		
9.30 Hrs	Lecture - 1	**Mr. Prasad Menon Head-CIBA Fr. C. Rodrigues Institute of Management Studies, Vashi, Navi Mumbai.**	CIBA-Entrepreneur Initiative and Future
10.30 Hrs	Tea / Snack		
11.00 Hrs-11.45Hrs	Lecture - 2	**Dr. Deepak Shah MD, Biotech India Pvt Ltd**	Electronics in Medicine-Physiotherapy Instruments
11.45-12.30 Hrs	Lecture - 3	**Dr. Esther Assistant Professor- Deptt of Physiotherapy LT Govt Medical College, Sion Hospital**	Overview of Physiotherapy-Therapeutic Applications
12.30 Hrs	End of the Program		

All lectures were very well appreciated by the students and teachers. Mr. Prasad Menon Head-CIBA Fr. C. Rodrigues Institute of Management Studies, Vashi, Navi Mumbai delivered a lecture on Entrepreneur Initiative and Future.
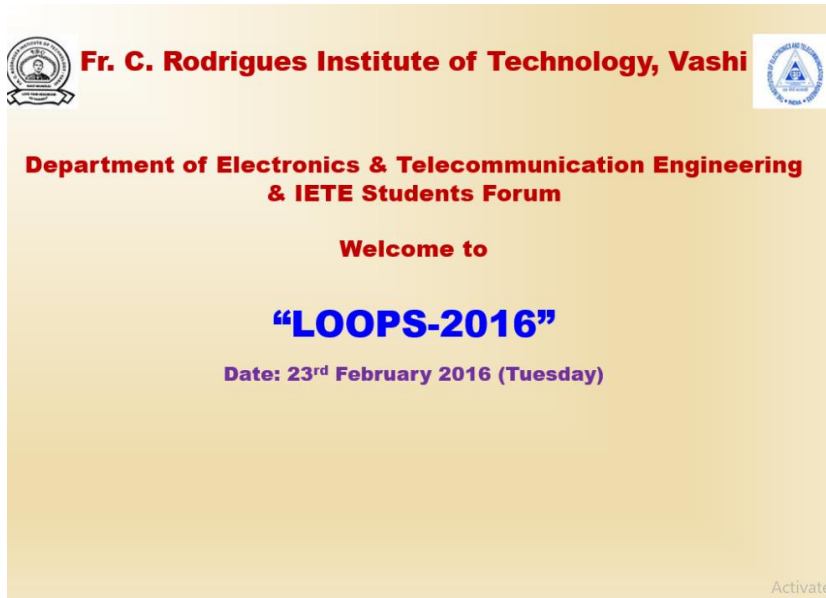Dr. Deepak Shah, MD, Biotech India Pvt Ltd, discussed on Electronics in Medicine-Physiotherapy Instruments.
And Dr. Esther, Assistant Professor- Dept. of Physiotherapy, LT Govt Medical College, Sion Hospital, gave an Overview of Physiotherapy in Therapeutic Applications.
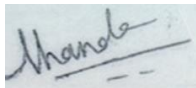
Fr. C. Rodrigues Institute of Technology, Vashi

Department of Electronics & Telecommunication Engineering

A Report on the "LOOPS-2016"

Some of the event photographs are as follows:

The LOOPS-2016 programme ended at 12.30 pm with a vote of thanks to one and all.

Ms. Smita Hande

Asst. Prof.

Dept of EXTC

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IETE-ETSA Students' Forum

Brief Activity/Event Report

1. **Name of the Activity/Event** : MICRO 2K15

2. **Activity/Event Venue & Date** : One day lecture series by industry experts. 4th floor Seminar hall Main Building. (21st July 2015)

3. **Nature of Participants** : Students of SE/TE/BE Staff of EXTC dept.

4. **Number of Participants** : 240

5. **Student Coordinator** : Mr. Aditya B. and Ms. Maria C.

6. **Staff Coordinator** : Ms. Neelashri W., Ms. Anita J., Ms. Smita H., Ms. Manita R.

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

   a. **Objectives** : Objective of MICRO2K15 is to update all the latest state of the art technologies being used or developed

   b. **Technical Description** : One-day lecture series from renowned industry representatives and researchers from reputed institutions for our department faculty members and all the department students. The following talks were conducted:

   - "Solutions using Embedded Systems"" by Mr. Abhay Phansikar, Corporate Strategy & Technology Consultant, Mumbai.

   - "Photonics: Shaping the Future of Electronics & International Year of Light:2015" by Mr. Sameer Gokhale, Founder Director & CEO of Jampot Photonics Pvt Ltd, Pune.

F, Acharya

Student Coordinator

Staff Coordinator

HOD

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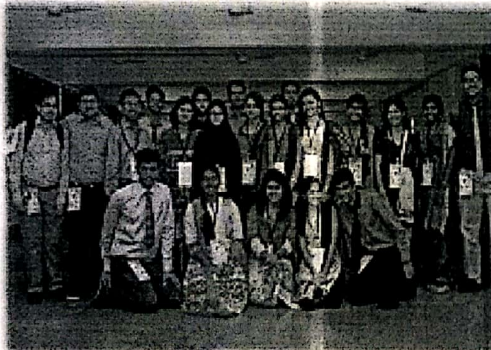
Website: www.fcrit.ac.in

IETE-ETSA Students' Forum

c. Outcomes : 1. Students got a detailed insight on applications of Embedded system in the talk of Mr. Abhay Phansikar

2. Students understood the various scopes of development in Electronics and also became aware about the impact of VLSI development on society.

d. Summary of Feedback   : ---

e. Action to be Taken based on Feedback: ---

8.   Activity / Event Photograph   :

MICRO 2K15

F, Acharya
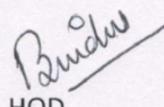**Student Coordinator**

Staff Coordinator

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HOD

ACTIVITY REPORT

In the academic year of 2015-2016, a total of 3 seminars were organized by experts under IEI chapter for students of second, third and final year Electrical engineering on various topics. The experts were eminent personalities form Industry. The topics of talk were technical as well as non-technical. The technical talks included domain areas of Electric Power Generation, AC traction, Industrial Safety, Clean Technology etc. The non-technical talks included Project Management, Business Environment, Emotional Intelligence etc. The summary of lectures is given below.

Sr No	Topic of Seminar	Date Duration	Resource person Designation	No. of students Attended
1	Synchronous Generator Maintenance	26/02/2016 02 Hr	Mr. Sagar S. Kher, TPCL, Trombay	74
2	Operation of Synchronous Generator	1/10/2016 02 Hr	Mr. Akhilesh Chandrakar, TPCL, Trombay	74
3	Financial Analysis in Project Management	20/02/2016 03 Hr	Mr. Balagopal, ICICI Bank	74

HOD

ACTIVITY REPORT

1. Name of activity/ event   : **Vidyut Seminar**
2. Activity/ Event Venue & Date: 24th July 2015
3. Nature of Participants   : Second year, third year and final year Electrical Engineering students
4. No. of Participants   : 240
5. Student Coordinator   : Class Representatives
6. Staff Coordinator   : Sneha Singh
7. Speakers   :
   1) Mr.Rahul Shah CEO & Executive Director, Tata Power Renewable Energy Limited. on the topic "Business Environment-Electrical Sector"
   2) Mr.Sidney Lobo, Head –Clean Technology projects, Tata Power company Limited. on the topic "Clean technologies and the challenges"
   3) Mr.MuruliKrishnan, Tata Power Limited. on the topic "Protection philosophy and case studies"
8. Brief Summary of the Activity/Event
   i. Objectives: Provide Knowledge of Business Environment-Electrical Sector, clean technologies and the challenges and Protection philosophy and case studies
   ii. Technical Description:
      1. Mr.Rahul Shah started with his seminar on the major difference between conventional and non-conventional sources of energy. Then he threw more light on the business opportunities and environment in electrical sector and in particular in renewable energy sectors. The input provided by him was quite informative to the students.
      2. Mr Sidney Lobo made the audience understand clearly that even though everyone talks about the role of renewable energy as the requirement of the day, the road towards the same is not easy. There is quite a huge challenge ahead and stake holders should anticipate them well in time.
      3. Mr.MuruliKrishnan's session was quite interesting since the various philosophies/methodologies used for protecting the Electrical system was discussed which helps in preventing the loss to the equipment and lives as per the saying "prevention is better than cure".
   iii. Outcomes:
      1. Active and immense participation by students
      2. Platform for students to showcase their organization skills
      3. Acquire knowledge of Business Environment-Electrical Sector, clean technologies and the challenges and Protection philosophy.

9. Activity / Event Photograph :

Seminar on "Business Environment-Electrical Sector"

HOD

ACTIVITY REPORT

1. Name of activity/ event   : **Vidyut Seminar**
2. Activity/ Event Venue & Date: 22nd Feb 2016
3. Nature of Participants   : Second year, third year and final year Electrical Engineering students
4. No. of Participants   : 200
5. Student Coordinator   : Class Representatives
6. Staff Coordinator   : Divya M
7. Speakers   :
   i. Mr.Swaminathan.E.V from Prajapati Brmhakumaris organization, Nerul. on the topic "Success and happiness with Emotional intelligence"
   ii. Mr.Sudhir Patil, Sr.Engineer, Railways on the topic "AC Traction"
   iii. Mr.N.N.Pisharody, Additional Chief Engineer(Industrial safety and Fire), NPCIL on the topic "Fundamentals of Industrial safety and Accident prevention"
8. Brief Summary of the Activity/Event
   i. Objectives: Provide Knowledge of Success and happiness with Emotional intelligence, AC Traction and Fundamentals of Industrial safety and Accident prevention
   ii. Technical Description:
      1. Mr.Swaminathan.E.V is well known for his communication skills and anecdotes. The audience were thrilled to hear the stories and examples of humans who have accomplished what they dream through good karma and Emotional intelligence. The message he gave was loud and clear to the students how to maintain their mental health though positive emotions.
      2. The students were enlightened with the advantages of AC traction over the DC traction. Also the different technologies used in AC traction was discussed in detail. The session was quite interactive especially with respect to the regenerative technology used in AC traction.
      3. The speaker Mr.N.N.Pisharody has many years of experience in this field of industrial safety. He started his seminar on the devices used for safety, their ratings and standards. Then on, he enlightened the audience on how to prevent accidents while working in electrical system and take care of the safety of living beings, society and environment.
   iii. Outcomes:
      1. Active and immense participation by students
      2. Platform for students to showcase their organization skills
      3. Acquire knowledge of of Success and happiness with Emotional intelligence, AC Traction and Fundamentals of Industrial safety and Accident prevention

9. Activity / Event Photograph   :

Seminar on "Fundamentals of Industrial safety and Accident prevention"

HOD

Brief Activity/Event Report

1. **Name of the Activity/Event** : Expert Lecture 2015-16
2. **Number of Participants** : **1431**
3. **Objectives :** i. To provide exposure to the students about latest technological advancements in each course.

    ii. To expose students to the requirements of industry in different domains.

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

    In the academic year of 2015-2016, a total of 17 seminars were organized by IT department students of second, third and final year Information Technology engineering on various topics. Many of the experts were eminent personalities form Industry. The topics of talks included The Future of Application Lifecycle Automation, Enterprise and Cloud Computing, Internet of Things, Big Data Analytics, etc. The summary of lectures is given below.

Sr. No.	Activity/Event Venue &Date	Nature of Participants	Number of Participants	Expert Lecturer	Technical Description
1	14/08/2015	Students of III, V, VII	228	Mr. Vishal Chandane Chief Staregy Officer , AllTimeIT Solution Pvt.Ltd.	The Future of Application Lifecycle Automation
2	14/08/2015	Students of III, V, VII	228	Mr. Ajit Joshi , Japanese MNC	Enterprise and Cloud Computing
3	22/02/16	Students of IV, VI, VIII	116	Mr. Kunal Bhat , Principal Consultant and Intrapreneur Tech Mahindra Ltd. ,Mumbai	Internet of Things
4	1/3/2016	Students of Sem IV	75	Mr. Debasis Das, (Jetking)	COA
5	12/3/2016	Students of Sem IV	70	Mr. Nitin Pawar, (TCS)	WP
6	29-02-16	Students of Sem IV	62	Mr. Kalichand Yadav (Jetking)	CN
7	8/3/2016	Students of Sem IV	72	Mr. Vikram Patil (AON Hewit)	AT
8	19-3-16	Students of Sem IV	60	Ms. Supriya Roakde (TCS)	ITC
Sr. No.	Activity/Event Venue &Date	Nature of Participants	Number of Participants	Expert Lecturer	Technical Description
9	20-02-16	Students of Sem VI	60	Mr. Akshat Bansal, (TCS)	AIT

10	20-02-16	Students of Sem VI	53	Mr. Gulshan Madhavani (MAXVAL technologies)	SE
11	27-02-16	Students of Sem VI	60	Prof. H. K. Chavan (Terena Enginerring College, Nerul)	DMBI
12	5/3/2016	Students of Sem VI	55	Prof. Roopkala R. (VESIT, Chembur)	DS
13	3/3/2016	Students of Sem VI	68	Prof.MritunjayOjha (FCRIT, Vashi)	SWS
14	18-02-16	Students of sem VIII	68	Mr.AmiyaTripathi (DBIT,Kurla)	BDA
15	18-03-16	Students of sem VIII	37	Mr.Pravin Pote, (FCRIT, Vashi)	SNMR
16	19-03-16	Students of sem VIII	65	Mr.Vinayak Patil (TCS)	STQA
17	18-03-16	Students of sem VIII	54	Ms.Mahalaxmi Shridhar (DBIT,Kurla)	CSM
	Total		**1431**		

Seminar on Enterprise and Cloud Computing

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