



Fr. Conceicao Rodrigues College of Engineering

Fr. Agnel Technical Education Complex Bandstand,

Bandra Mumbai -400 050

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Experiential Learning: Experiential learning is an engaged learning process whereby students “learn by doing” and by reflecting on the experience. Experiential learning activities include Project Based Learning, Activity Based Learning, Field Based Learning.

1.1. **Project Based Learning:** Consultancy Based Projects, Mini Projects ,Major Projects, Subject Projects are the activities conducted under Project Based Learning.

a) Consultancy Projects: The institute involves Students in the Consultancy Based Projects. Following document is one of the example.

 **MEDCO**
ISO 9001 : 2008
CRISIL RATING "BB"

MONALISA ELECTRONIC DESIGN CENTRE (P). LTD.
CIN No. U74110MH1988PTC051755

Bldg. No. 1/36, MHB Colony,
Ram Mandir Road, Khernagar,
Bandra (East), Mumbai - 400 051.
Phone: 6582 5501 / 02 / 6552 9573
E-mail: monalisa@monalisaedc.com
Website : www.monalisaedc.com

Date: 11.04.2018.

Technical Specifications: Digital Clock.

01. The digit size as was discussed earlier is as follows:
Hours and Minutes : 1" LED Display, Red.
Seconds, Date, temperature to be 1/2 " display. (If possible in green colour), year in last 2 digits only.

02. Power : 230 VAC +/- 10%, current: ...ma., 50 Hz.

03. Accuracy: Time.... +/- 1 sec. In
Temperature: +/- 1 Centigrade.
0 to 50 degrees.

04. Alarm: 10 timings.

05. Master and slave facility to run more displays.

06. All controls on rear side.

Note: We need:

a) Bill of material.
b) Software details.
c) Drawings of cabinet, PCB assembly and artwork.
d) Equipments required for testing and troubleshooting.

Contact person : Pritam Patankar (m): 9664100040
Sneha Kerkar (m): 7738949932.



Consultancy Project



Signature



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Department of Electronics Engineering

Fr. Conceicao Rodrigues College of Engineering

Date: 15/05/2017

Miss Pritam P.

Director HR,

Monalisa EDC Pvt. Ltd.,

(O):91-22-65825501/022-65529573

(M):96641 00040

Subject: Quotation for consultancy charges for the Real Time clock design

Dear Madam,

With respect to our discussion and the mail interaction we are pleased to inform you that the project commercials are as given below:

Sr. No.	Description	Cost
1	Design and Development cost	1,20,000
2.	Man power cost	1,70,000
	Total cost	2,90,000

Additional recurring cost for the PCB and e dumping of the program as per the order

The payment terms and conditions:

25 % advanced at the beginning of the said project. 50% at the time of demonstration of the working model 25% at time of handing over the design, program and finished product

The work is expected to be complete by 30th June 2017 worst case delay not exceeding 15 days after the scheduled date.

I hope that you will go through the quote and let me know the consent for the same.

Following Students from our final year Electronics Engineering will be working on the Project:

- 1) MAMANIYA KARAN RAJESH
- 2) MOMIN HAMAD MOHAMMED UMER

Thanking you,

Yours faithfully

Dr. Deepak V. Bhoir,

Professor and Head



Consultancy Project





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b) Mini Project/Major Project:

Students acquire a deeper knowledge through active exploration of real-world challenges and problems through mini projects and major projects.

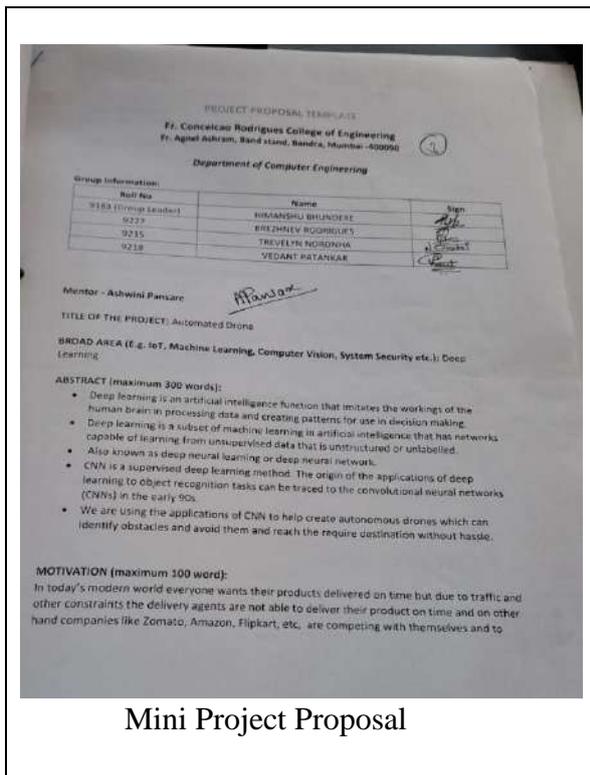
Students in a group of 2 to 4, carry out mini projects in 3rd, 4th, 5th, 6th semesters and a major project in 7th and 8th semester. The project idea and feasibility is first presented by students in the form of a proposal document. Faculty teams review the project ideas based on feasibility, innovations, etc. After the proposal is approved, students work on the project under the guidance of the assigned faculty members and complete the work in one or two semesters depending on the complexity of the project. The activity engages the students in solving a real-world problem and/or answering a complex question.

The projects are evaluated in three phases: mid-term presentation 1, mid-term presentation 2 and the final examination.

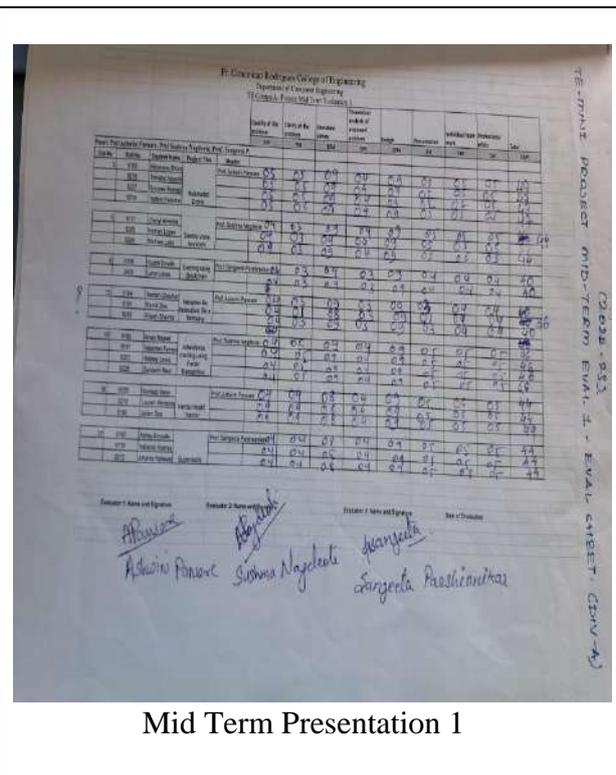
In mid-term presentations the progress of the project is evaluated by a group of teachers.

In the final examination the external faculty is invited to evaluate the project work who also gives a suggestions and feedback to students which helps in improving in the further semesters.

Following are the pictures of proposal , mid-term assessment sheets, and feedback of a sample Miniproject.



Mini Project Proposal



Mid Term Presentation 1



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Fr. Agnel Techn. Education Complex, Bandstand
Mumbai - 400050
Department of Computer Engineering
TE Mini Project Internal Assessment Evaluation II (Sem V)

Panel: Prof. Ashwin Patankar, Prof. Sushma Nagarkar, Prof. Sangera P. Date: _____

Sl. No.	Ref No.	Student Name	Title	Theoretical marks of project presentation (CO)							
				CO1	CO2	CO3	CO4	CO5	CO6	CO7	CO8
7	9183	Himanshu Bhambare	Automated Door	05	10	13	05	05	05	04	47
	9216	Trerziya Noronha		05	10	13	05	05	05	04	47
	9227	Brianer Rodrigues		05	10	13	05	05	05	04	49
	9218	Vedant Patankar		05	10	13	05	05	05	04	47
8	9177	Cheril Almeida	Desktop Voice Assistant	05	09	13	04	05	05	04	45
	9206	Nafisa Lopez		05	09	13	04	05	05	04	49
	9204	Mathew Lebo		05	09	13	04	05	05	04	45

Examiner 1: Sangera P. Examiner 2: Sushma Nagarkar. Date of Evaluation: 20/10/22

Mid Term Presentation 2

EXAMINER'S FEEDBACK FORM
TE MINI PROJECT ORAL EXAM SEM 5 (2022-23)
Branch: COMPUTER Class: (T.E) Semester: V

Name of Internal Examiner: Prof. Ashwin Patankar
Name of External Examiner: Prof. Sushma Nagarkar
College of External Examiner: Fr. Agnel Technical Education Complex / Bandstand
Date of Examination: 21/11/22

Student Performance Analysis (Put Tick as per your Observation) (Excellent), Very Good, Good

Sl. No.	Project Title	Observations	Yes	No	Yes	No
1	Quality of problem and clarity					
2	Innovativeness in solutions					
3	Cost-effectiveness and Social Impact					
4	Full functioning of working model as per stated requirements					
5	Effective use of skill sets					
6	Effective use of standard engineering norms					
7	Contribution of an individual's as a member or leader					
8	The clarity in written and oral communication					
9	Overall performance					

Project Title: Desktop Automation with Path Optimization

1. Quality of problem and Clarity
2. Innovativeness in solutions
3. Cost-effectiveness and Social Impact
4. Full functioning of working model as per stated requirements
5. Effective use of skill sets
6. Effective use of standard engineering norms
7. Contribution of an individual's as a member or leader
8. Clarity in written and oral communication
9. Overall performance

- Is the work done by the project group substantial to proceed in the next semester? (Yes/No)
- If No, suggest new Innovative Technique/Idea/objectives related to this project.

Signature of External Examiner: Prof. Sushma Nagarkar, 21/11/22

External Examiner Feedback



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Example of Mini Projects

B.E COMPUTER SEM VIII (2020-2021)

Subject: NATURAL LANGUAGE PROCESSING

Fr. Conceicao Rodrigues College Of Engineering

B.E. (Computer) (semester VIII) (2020-2021)

Subject: Natural Language Processing (NLP-CSDL08012)

Roll No.	Name of the Student	Mini Project Title
7623	Orvil Dsouza	Sentimental Analysis using nltk
7645	Sela Grace Koshy	Research Paper Summarization
8312	Abhishek Ahirrao	Extractive summary generation using nlp and neural network
8316	Princeton	Question Generation and Answering
8317	Amurto Basu	Keyword Suggestion to change Sentiment Polarity
8318	Shubham Bhate	Blog Shorts (Text Summarization)
8319	Simran Bindra	Spam Classification
8320	Carol Sebastian	Question Answering
8321	Kevin Ruffin Cheruthuruthy	Fake News Classifier using NLP
8322	Chowdhury Pratik Vinayak	Medical Analytica
8323	Rahim Chunara	Speech to Emotion Recognition
8324	Ariane Correa	Document Summarization
8325	Gavin Correia	speech to emotion detection
8326	Pratik Joseph Dabre	SMS spam detection
8327	Jason D'Costa	Resume Summariser
8328	Mahesh Desai	Voice Bases Visual Acuity Test
8329	Prince Dmello	SMS Spam Detection
8330	Ria Dmello	Twitter Sentiment Analysis
8331	Valiant Dmello	News Categorization
8332	Mario D'sa	Joint Entity and Relation Extraction using Transformers
8333	Elvis Dsouza	Medical Analytica
8334	Sherwyn D'souza	Pharma Chatbot using RASA
8335	Simran Dsouza	Resume Screener
8336	Susan Vincent Dsouza	NLP Spell checker
8337	Emmima Gnanaraj	Spam Classification
8338	Calista Luis Fernandes	Spell Checker and corrector in NLP
8339	Riya Gupta	Quora Question Pairs Similarity: Tackling a Real-Life NLP Problem
8340	Kevlyn Kadamala	Research Paper Summarization
8342	Abhishek Kollat	Resume Screener
8343	Sarvesh Kulkarni	Keyword Suggestion
8344	Mohit Kunder	Spam SMS identification
8345	Reynold Lopes	sms spam detection
8346	Elita Elroy Menezes	Research Paper Summarization
8347	Leesa Menezes	Spam Filtering
8349	Mishra Shaileshkumar	Document Similarity using NLP

LIST OF MINI PROJECTS



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1.2 Activity Based Learning: The faculty adopt active learning through the following activities:

- Debates, group discussions, skits/role play, movies
- Model making: Machining Science and Technology,
- Hardware implementation as well as simulation of mini projects, presentations, case studies etc.
- Educational Games, Brain Storming Session

a) Skit ,Motivational Movie

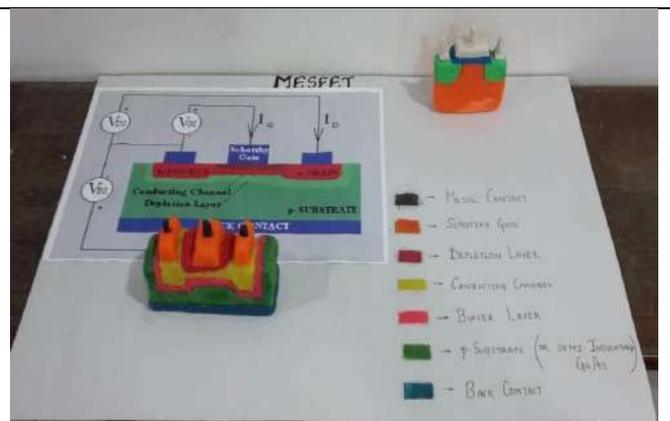


Skit



Motivational Movie

b) Model making



Model making (Subject ICT Technology)



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c) Educational Games

It is an established fact that educational games improve the process of teaching and learning. They have the potential to inspire learning. And they can help players improve coordination and visual skills. Also, Game-Based Learning plays important role in teaching by making students to collaborate, communicate, interact and work in teams.

A variety of educational games are designed specifically for the purpose of educating the students, can motivate self-learning and problem-solving skills to a great extent especially for team building and leadership exercises.

Subject- Business Communication and Ethics

Semester- V

Faculty-in-Charge- Dr. Khushbu A. Trehan

Example-

Mine Field / Watch your step.

Winner/Loser

Team building activities (Balloon Activity)



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Winner/Looser



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d) Brainstorming Sessions

Brainstorming sessions is usually group activity conducted in pursuit of new ideas (i.e. what happens after it ends). A typical brainstorming session brings people together into the creative process, and increases the social nature of the activity.

Additionally, creative brainstorming works to include different perspectives of the team members and improves the team's ability to think outside the box. Thus, it is an excellent way to drive innovation.

Example- Group Discussion, Case Studies Discussion



Group Discussion(Subject :Business Communication and Ethics)



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1.3 Field Based Learning: Field-based learning allows the students to contextualize their learning experience in a real-world setting. For understanding the work environment in the industries, industrial visits are organized every academic year, both at department and Institute level. All departments encourage the students to undergo internships/summer training at various Industries.

a) Industrial Internship: Following are the initiatives taken by Institute for supporting the students to get Internship offers at the Industry.

i) Internship Expo : TED-x CRCE organizes Internship Expo every year ,where many Technical and Non Technical companies visit the Campus. The expo gives the students an opportunity to have a close interaction with the employers of the Industry, and understand the various technical skills required by the Industry. The students are then interviewed and successful candidates get an opportunity to intern at these Industries.

TEDxCRCE
an independently organized TED event

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www.tedxcrce.com

INTERNSHIP EXPO 2022

20 Companies with 250+ Internship offers. So what are you waiting for ?

29th JAN, 2022

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Internship Expo Head, TEDxCRCE
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Internship EXPO organised by TED-x CRCE



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ii) Students are encouraged to Participate in various company initiated Hackathons like JP Morgan, TIAA and eventually students who successfully compete in these Hackathons, get the opportunity to Intern at these Industries, few of them also get placement offers in the same company. Following is the Internship sample proof:

TIAA Global Business Services (India) Private Limited
Registered office: 7th Floor, Winchester Building
Powai Business District, Powai
Mumbai, Maharashtra - 4000076
CIN: U72901MH2016FTC279876
Phone: +91 22 62298000



Date: 1-Sept-2022

Employee Name: Aaron Dsouza

Employee ID: 10004436

Internship Completion Letter

Dear Aaron Dsouza,

This is to certify that you have successfully completed your internship with TIAA Business Services (India) Private Limited during the period from 1-June-2022 to 22-July-2022

We wish you the very best in all your future endeavors.

If you have any queries, please contact us at indiasharedservices@tiaa.org

Thank you.

For TIAA Global Business Services (India) Private Limited.

Authorized Signature:

Certificate for Internship at TIAA



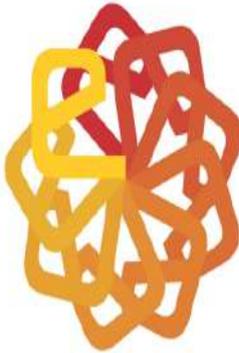
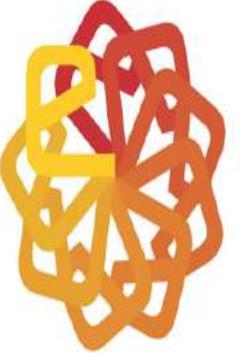


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iii) Some of the students who successfully compete at National Level Competitions like e-yantra, eyRC organised by IIT-Mumbai, get an opportunity to do Internship at IIT-Mumbai. Following are some of the examples of Students who got Internship offer at IIT Mumbai.

  <p>ERTS Lab Department of Computer Science and Engineering Indian Institute of Technology Bombay, Powai, Mumbai-400 076.</p> <p>Date of Issue: August 19th, 2021</p> <h3>INTERNSHIP CERTIFICATE</h3> <p>This is to certify that Brendan Lucas, student from Fr. Conceicao Rodrigues College of Engineering, Bandra, has undertaken Internship at e-Yantra, IIT Bombay working on a project entitled: eVLAD: e-Yantra Learning Analytics Dashboard during the period from 20th May 2021 to 8th July 2021 and has successfully completed the same.</p>   <p>Prof. Kavi Arya Principal Investigator, e-Yantra Professor Department of Computer Science and Engineering Indian Institute of Technology Bombay</p> <p>Engineering a better tomorrow</p>	  <p>ERTS Lab Department of Computer Science and Engineering Indian Institute of Technology Bombay, Powai, Mumbai-400 076.</p> <p>Date of Issue: September 19th, 2022</p> <h3>INTERNSHIP CERTIFICATE</h3> <p>This is to certify that Glenn Mendonca, student from Fr. Conceicao Rodrigues College of Engineering, Bandra has undertaken Internship at e-Yantra, IIT Bombay working on a project entitled: eYCoin during the period from 6th June 2022 to 23rd July 2022 and has successfully completed the same.</p>   <p>Prof. Kavi Arya Principal Investigator, e-Yantra Professor Department of Computer Science and Engineering Indian Institute of Technology Bombay</p> <p>Engineering a better tomorrow</p>
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b)Industrial Visit: : For understanding work environment in the industries, industrial visits are organized once in a year at Institute Level and Department Level.

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Office of Cultural & Student Affairs

CENTRALIZED INDUSTRIAL VISIT REPORT

CHANDIGARH & HIMACHAL PRADESH FROM 27TH DECEMBER 2019 TO 4TH JANUARY 2020

1. Overview & Introduction

The much-awaited annual industrial visit of Fr. Conceicao Rodrigues College of Engineering, Mumbai took place with a centralized conglomerate of staff & students to Chandigarh, Shimla & Manali from the 27th December 2019 to 4th January 2020 with proposed industrial visit sites scheduled at Rajiv Gandhi Information Technology (IT) Park at Chandigarh, Micro Turners Group at Baddi, (Himachal Pradesh) & Jay Bee Transformers at Panchkula (Haryana). The industrial visit was organized by the technical councils of the college viz. IEEE-WIE, SAE, ACM & CSI who handled every detail – right from the planning to execution. Leading the group were student Ricky Stanley of B.E. (Electronics Engineering), Akshay Dixit of T.E. (Production Engineering) & Sahil Gupta of T.E. (Computer Engineering).

A total of 145 students, mainly comprising from second year, third year & final year engineering from all four branches viz. electronics, production, computer & information technology were accompanied by the following staff members :-

- Dr. Brijmohan S. Daga, Professor & Head, Computer Engineering Department
- Dr. Nilesh M. Patil, Assistant Professor, Information Technology Department
- Prof. Unik B. Lokhande, Assistant Professor, Information Technology Department
- Prof. (Mrs.) Supriya S. Kamoji, Assistant Professor, Computer Engineering Department
- Prof. (Mrs.) Dipali Y. Koshti, Assistant Professor, Computer Engineering Department
- Prof. Jayen Modi, Assistant Professor, Electronics Engineering Department
- Mr. Yogesh Chavan, Non-teaching staff (Peon)

The complete arrangement of the tour was outsourced by the students' council to Mr. Nitish Parab of 'Around the Globe (ATG)' holidays who accompanied the group along with four of his associates. The journey began on morning of 27th December 2019 with the entire group assembling at Bandra Terminus Railway Station to catch the 12:45 pm Garib Rath Express (12216) which disembarked at Sarai Rohilla Railway Station, Delhi next day at 12:30 pm. The return journey was from Hazrat Nizamuddin Railway Station, New Delhi by Garib Rath Express (12910) on the afternoon of 3rd January 2020 at 03:35 pm. The whole group reached Mumbai safely in the late morning of 4th January 2020.



**Report on Annual Centralized Industrial Visit by IEEE-WIE, SAE, CSI & ACM
Chandigarh & Himachal Pradesh – 27th December 2019 to 4th January 2020**

3

Industrial Visit organised at Institute Level



Gupta



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FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING Office of Cultural & Student Affairs

2. Objectives of Industrial Visit

Usually the underlying objective of any industrial visit is for students to gather a first-hand experience of how the professional working methodology, various industrial processes, machinery & other related equipment are in place so that once they enter into the professional field, after the completion of their respective courses, so these industrial tours are an effort to bridge this gap of practical exposure. Typically benefits of any industrial visits are generally (but not confined to the following) :-

- It help students gain first hand information regarding functioning of the Industry
- Provides an insight into the real working environment of the Industry
- Helps them to see their future place in the working world
- This also serves as a relation building process between institutes and industry
- Many of the companies also use it as tool for building brand awareness
- Helps to enhance their interpersonal skills and communications
- Helps to understand the do's and don'ts of the industrial practice

3. Visit to Visions Software Pvt. Ltd. (Chandigarh)

Visions has a creative web design and software development team in India proudly servicing clients worldwide. The company specializes in web design & development, customized standalone software development as well as Mobile Applications. Their expertise includes Magento, MEAN / MERN Stack, React Native development, Python, UI / UX Design, PHP, Hybrid Mobile Apps across Android & iPhone platforms. With over two and a half decades of work experience in technology Visions Software Pvt. Ltd. is focused on understanding client's requirements, providing quality work & being result oriented.



Report on Annual Centralized Industrial Visit by IEEE-WIE, SAE, CSI & ACM
Chandigarh & Himachal Pradesh – 27th December 2019 to 4th January 2020

4

Industrial Visit organised at Institute Level



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FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING Department of Electronics & Computer Science (ECS)

6. Industrial Facility Tour & Video Demonstration

After the highly informative session on introduction to robotics by Mr. Deepak Balakunderi, the group enjoyed a hearty lunch courtesy of the organization. Later in the afternoon, the company engineers took the students for a brief tour of the small but well-equipped industrial facility. They witnessed real-time & real-life videos of various industrial robotic systems in action particularly in the automotive industry. The company engineers also briefed the students about the various aspects of using industrial robotics systems – right from planning, system designing, layout & implementation to the actual operation & programming. This activity was very well received by the students since it widened their horizon & gave them valuable insights on the recent advances & technologies in industrial automation systems.



7. Practical Demonstration of Industrial Robotic Systems

The main attraction or the highlight of the industrial visit was a practical demonstration of their existing industrial robotic systems to the entire group. Students & staff members were requested to organize into discrete groups wherein each batch was guided to a robotic workplace by an engineering staff of the company. They thoroughly explained each & every robotic system present in the facility – the structure, configuration, electronic & mechanical components, power supply, tools & other implements, programming & system communication. This was certainly the best phase of the visit since the staff & students got to observe the robots in actions – something they were missing during online classes.



Industrial Visit organised by Electronics and Computer Science Department





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2) Participative Learning: Following are the activities conducted under head Participative Learning:

2.1 Cooperative learning: Students work together to maximize their own and each others' learning through think pair-share, poster presentation techniques, Survey Form

a) Think-Pair-Share Activity: Think-Pair-Share (TPS) is a cooperative structure in which partners privately think about a question (or issue, situation, idea, etc.), then discuss their responses with one another. As a relatively simple structure that can be implemented quickly, Think-Pair-Share can be incorporated into almost any form of instruction. It is particularly useful for actively involving all students during lectures

<ul style="list-style-type: none"> • Topic name: NAND-NOR Realization • Year: [2019-20] • Learning objective = Upon completion of this activity students will be able to design any boolean circuit using universal gates NAND-NOR • Activity time duration = [30 mins] • Strategy used = Think-Pair-Share • Planned Date: 18/7/2019 • Actual Date: 19/7/2019 				
Outcome: Design the network using IP addressing and subnetting. (Apply)				
Activity: Designing network using IP addressing and subnetting.				
Step no.	Time (mins.)	What teacher will do	What student will do	Remarks
Think Phase	5 mins	Ask questions Think Question: For a given problem design circuit using basic gates: You are given the responsibility of building an automatic voting machine. – Assume there are 2 candidates. – Assume there are 3 voters, everyone gets a single vote. – The candidate with the most votes wins . - What logical variables would you use? Can you write a logical expression, which evaluates who wins (True = Candidate A, False = Candidate B)?	Answer the questions using their previous knowledge	
	3 mins	Explanation of above question	Listen and relate to their answer	
Pair Phase	6 mins	Ask Pair question 1) Implement above design using Basic gates.	Make a pair and brain storm to solve the given question	
Pair Phase	6 mins	Pair Question 2) Implement above design using only NOR Gates	Make a pair and brain storm to solve the given question	
Share phase	10 mins	1) Ask students (1/2 pairs) to share their answer 2) Teacher comments on solution presented. 3) she will disclose correct solution , if needed	a) Other Students will compare their solution with solution being presented b) student	

TPS Activity for Digital Logic Design and Analysis (Academic Year :2019-20)



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b)Poster Presentation: In some of the subject's Faculty conduct Poster Presentation activity on a particular topic. Groups are formed and students are assigned a Topic from syllabus. Following is the example of Poster Presentation activity conducted in the Subject Electronics Devices(Sem III).



Poster Presentation(Offline Mode)

Poster by SE-ECS :
 ADITYA CHAURASIA 8800
 HARSH SONI 8845
 SIDDHESH KSHATRIYA 8812
 VISHWA SHUKLA 8547

Schottky Diode

INTRODUCTION	PRINCIPLE	WORKING	APPLICATIONS
<p>Schottky diode is a device, which comes under the type of a metal semiconductor junction diode. Barrier diode and low voltage diodes are the other names for Schottky diode.</p> <p>When compared to a PN junction diode, power drop is lower in Schottky diode. A scientist named Walter.H.Schottky first discovered Schottky diode.</p>	<p>A Schottky diode, is a semiconductor diode which has a low forward voltage drop and a very fast switching action.</p> <p>There is a small voltage drop across the diode terminals when current flows through a diode</p>	<p>A junction is formed by bringing metal contact with a moderately doped N-type semiconductor material.</p> <p>The Schottky barrier diode is a unidirectional device conducting current flows only in one direction (Conventional current flow from the metal to the semiconductor)</p>	<p style="text-align: center;">Schottky pn-diode</p> <p>Schottky diodes are used in electronics industry for many applications in diode rectifier because of its properties. They are used for voltage clamping applications, to prevent transistor saturation. It is used as Schottky TTL in digital devices as these devices require fast switching, as the performance of digital computers is determined by switching speed of diodes, Schottky diode is an important component for digital computers</p>

Sample Poster



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ELECTRONIC DEVICES (ED) - ECC 302
S.E. (Electronics & Computer Science) - Semester III

Instructions Student work

Return 20 points

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<input type="checkbox"/>		Anushka Bobade	20		Adroit Dsouza		Photodiode-ED_A2_88... Marked
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<input type="checkbox"/>		Amandeep Singh			Amandeep Singh		ED_A2_8844.pdf Marked
<input type="checkbox"/>		Benhur Falcao	19		Andrea Pinto		ED_A2_8830.pdf Marked
<input type="checkbox"/>		Anushka Bobade			Anushka Bobade		ED_A2_8798.pdf Marked
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					Deon Dsouza		
					Divyanshu Tandon		

Poster Presentation conducted Online in the Subject Electronic Devices SemIII (Branch ECS)



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c) **Survey Form:** In Some of the Projects the students take the initiative to create a “Google Survey Form” to get inputs from the Stakeholders.

The screenshot shows a mobile browser interface with the URL 'locs.google.com'. The survey form is titled 'Organ Donation Survey Form' and features a header image of hands holding a red heart with the text 'organ donors save lives +'. The form contains the following questions:

- Are you aware that organs can be donated to save a life of another person? *
 Yes
 No
- Do you support the rise of organ donation and transplantation? *
 Yes
 No
 Not Sure
 Other:

- Have you heard of brain death? *It is impossible to recover from brain

Google Survey form for the Project “Organ Donation and Transplantation Website”



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d) Technical Paper Reading: Technical Papers were uploaded on the Google classroom by the faculty and students were told to refer to the Technical Paper for advanced Topics. Their findings on the Research Paper were evaluated through Group Discussion, Assignment Questions, Presentations.

Fr. Conceicao Rodrigues College of Engineering
Department of Computer Engineering

Class- TE-COMP(A)
Subject – Mobile Computing
Name of the teacher: Prof. Dipali Koshti
Academic year: 2021-22

Innovative Teaching Learning

To improve the students' learning experience innovative learning methods were implemented in the subject Mobile Computing semester III (year 2021-22).

Sr. No	Topic	Teaching/Learning method	Benefit to students	Supporting Doc
1	GSM <u>Architecture A5</u> Algorithm for GSM security	Shown and <u>explained</u> <u>informative</u> videos during lecture	Complex topics are hard <u>to understand</u> and realize. Informative videos in <u>3D</u> <u>help</u> students correlate theory with the animation shown in the video	Video links are given below
2	Quiz on each <u>module</u> <u>plus</u> additional practice quiz for weak learners.	Online Quizzes	Online quizzes help <u>assess</u> <u>students'</u> knowledge about a particular topic and motivate and engage the learner.	Quiz uploaded <u>on google</u> classroom
3	Micro and Macro mobility	Technical paper	Students were told to refer <u>to technical</u> papers for advanced topics where the material was not available in the reference books.	Uploaded <u>in google</u> classroom

Informative Videos (Shown in the classroom and same is uploaded in google classroom) Video

Links:

Video 1: GSM Architecture - YouTube

Video 1: A5/1 Algorithm (CSS) - usamazfr96-120 - YouTube

Video 3: https://nptel.ac.in/courses/106/106/106106167/

Technical paper:

[1] Josep Mangues-Bafalluy et al., "IP mobility. Macro mobility, micro mobility, quality of service and security", ARTICLEP, 2018.

[2] LTE-Advanced Technology Introduction White Paper

[3] Overview of LTE-A Technology, S. Kanchi, S. Sardilya, D. Bhosale, A. Pitkar and M. Gondhalekar, "Overview of LTE-A technology," 2013 IEEE Global High Tech Congress on Electronics, 2013, pp. 195-200, doi: 10.1109/GHTCE.2013.6767272

Ability: Investigate

Technical Paper Reading



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2.2 Paper Presentation and Publication: Following is the list of sample Papers published by Students in Conferences and Journals.

Sr. No	Title of Publication, Conference and Journal
1	Sujata Deshmukh, Bhushan Patil, Ketaki Joshi, Chinmay Gaonkar, Ms. Purna Pallan, Sumedh Bhatkar, "A Novel Method For IOT Based Smart Traffic System", Industrial Engineering Journal, Vol. XV & Issue No. 06 June – 2022-UGC approved Journal
2	Khasgiwala, Y., Castellino, D.T., Deshmukh, Sujata, "A Decentralized Federated Learning Paradigm for Semantic Segmentation of Geospatial Data", International conference on Intelligent Computing & Optimization. ICO, In: Vasant, P., Zelinka, I., Weber, G.W. (eds), 2021. Lecture Notes in Networks and Systems, vol 371. Springer, Cham, 01 January 2022, https://doi.org/10.1007/978-3-030-93247-3_20 - Scopus indexed
3	Sujata Deshmukh, P. Rede, S. Sharma and S. Iyer, "Voice-Enabled Vision For The Visually Disabled," 2021 International Conference on Advances in Computing, Communication, and Control (ICAC3), 2021, pp. 1-6, doi: 10.1109/ICAC353642.2021.9697125- Scopus indexed
4	Sujata Deshmukh, Candida Noronha, Lizel Farnandes, Gini Chacko, "Virtual E-mail Assistance for The Visually Impaired", IEEE Conference on Technologies for Future Cities 2021 (CTFC 2021), 8th & 9th October 2021.
5	Sujata Deshmukh, Amurto Basu, Sarvesh Kulkarni, Shubham Mishra, Prashant Deshmukh, Bhushan Patil, "Disaster Damage Assessment of Satellite Images Using Transfer Learning With Fine Tuning", Journal of Engineering, Project, and Production Management, 2022-Scopus indexed [Accepted through RGIT ICEI4.0]
6	Monali Shetty, S. Shetty, J. Dsouza "Cyber bullying Detection in Native Languages", Springer, International conference on soft computing for security applications, 2021
7	S. I. Amjad Abidi, A. A. Almeida, L. G. Soares and A. Pansare, "Interactive Map Application For Real-Time Crime Reporting," 2021 International Conference on Advances in Computing, Communication, and Control (ICAC3), 2021, pp. 1-8, doi: 10.1109/ICAC353642.2021.9697179.
8	Mario Dias, Hansie Aloj, Nijo Ninan, Dipali Koshti, "BERT Based Multiple parallel Co-attention for Visual Question Answering", 6th International IEEE conference ICICCS 2022, May 25-27 2022.
9	Sanath Shetty, Ganesh Reddy, Princely Lopes, Ashwini Pansare, "cyber bullying detection System" 4th International conference PICET 2022, AIP publishing, Scopus indexed
10	Supriya Kamoji, S., Koshti, D., Dmello, V. V., Kudel, A. A., & Vaz, N. R. (2021, July). Prediction of Parkinson's Disease using Machine Learning and Deep Transfer Learning from different Feature Sets. In <i>2021 6th International Conference on Communication and Electronics Systems (ICCES)</i> (pp. 1715-1720). IEEE.
11	Swati Ringe, Clayton Almeida, Ron George, Akshay Naphade, "Resolving the Data Imbalance problem in Fraud Detection Using Sampling and Machine Learning Techniques", POSITIF JOURNAL Volume 22, Issue 5, MAY 2022.



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12	Swati Ringe, Davin Barboza, Sanfer Noronha, Mayank Srivastava, "food ordering assistant with dish recognition and recommendation system" ICRTTEAS 2021 held on 19-20 July 2021
13	Vanessa De'mello, Yashaswini Chaudhari, Srushti Shah, "Autonomous Time table system using Genetic Algorithm, 4 th International Conference on Smart System and Inventive Technologies (ICSSIT 2022) organized by Francis Xavier Engineering College, India on 20-22 January 2022.
	Seema Talmale, Srija Unnikrishnan, B K Lande: Modified Linear Block code with code rate 1/2 and less than 1/2, Journal of Discrete Mathematical Sciences and Cryptography, Taylor and Francis, Vol. 22 (2019), No. 2, pp. 139-150, ISSN 0972-0829 (Print), ISSN 2169-0065 (online), DOI: 10.1080/09720529
14	Monica Khanore, Srija Unnikrishnan: A Robust Hybrid Interference Canceller for Multiuser, Multipath CDMA System, International Conference ICECEIC 2019, in association with IEEE Madras Section, Kanchipuram, Tamil Nadu, 30,31 January 2019
15	P.V. Kasambe, D. V. Bhoir, K. S. Bhole "Design and simulation of high snr varying thickness embedded strain sensing polymer micro-cantilever for bio-sensing applications' Proceedings of the ASME 2018 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference IDETC/CIE 2018 August 26-29, 2018, Quebec City, Canada
16	Singh, Deepika S, Patil, B.T. and Joshi, K.N. (2021). Comparative Economic Analysis of Injection-Moulded Component with Conventional and Conformal Cooling Channels, Journal of The Institution of Engineers (India): Series C, 1-11. (Scopus Indexed)
17	Joshi, K., & Patil, B.T. (2022). Automated inspection of spur gears using machine vision approach. International Journal of Computational Vision and Robotics (In press) (Scopus Indexed)
18	MVB Rao, Bhushan Patil, Vasim Shaikh, DSS Sudhakar, Sujata Deshmukh (April 2022), " Investigation of Surface Roughness and Cutting Temperature Parameters in Turning AISI 4340 Steel using MQL, Mist Technique with Nano-Fluids (n-AL ₂ O ₃ , n-MOS ₂ and n-Graphene) mixed in Edible Vegetable Coconut Oils", <i>MCT RGIT's International Conference on Embracing 4.0 Technologies for Sustainable Growth (ICEI 4.0)</i>
19	Dipali bhise, Bhushan Patil, Vasim Shaikh, Sujata Deshmukh, (April 2022), "Comparative Economic Analysis and investigation of Micro Lubrication over Conventional Cooling in Manufacturing", <i>MCT RGIT's International Conference on Embracing 4.0 Technologies for Sustainable Growth (ICEI 4.0)</i>
20	Advait C Purav, Deepika S Singraur and D S S Sudhakar (2021). Investigations into performance of conventional and conformal cooling channels of a plastic injection mold, IOP Conference Series Materials Science and Engineering 1070(1):012122 (Scopus Indexed)



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3) Problem Solving Methodology:

a) Problem Based Learning :Due to the quick development and active changes in the fields of science and technology, it is necessary to go beyond the traditional curriculum and investigate the most recent engineering achievements. Enrolling in numerous technical councils such as Team Vayushastra, Team Robocon , Team Abadha and Project Cell(E-yantra IITB initiatives) etc, provides students with opportunities and broad exposure to the dynamic world of practice. Participating in various projects, activities, and events provides students with hands-on learning opportunities. Through additional design-based experiments, lab work, and projects, the existing gap in the traditional education system is filled.

TEAM VAAAYUSHAstra

Established in 2012 as the face of Fr. Conceicao Rodrigues College of Engineering in the SAE Aero Design Competition annually held in the United States where teams from across the globe participate. Among the different classes in the competition the team has been participating in the Advanced class of SAE Aero Design Competition and has maintained position in the top 10 teams worldwide. The team has consistently come up with the affordable, optimised RC Aircraft that satisfies the problem statement.

The objective for academic year 2021-2022 was to design a suite of systems that can support the fight against wildfires through the delivery of water and parts for a ground vehicle. Ground Transport Vehicle (GTV) was safely to be delivered to the ground through a powered and autonomously guided aircraft PADA. Due to the global pandemic team could only participate in design report and presentation rounds in which it was able to secure **4th rank and 6th rank respectively, and 5th rank globally.**



Team Vayushastra





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Students' Participation in SAE Aero Modelling

2019-2020

10/29/2020 SAE-STAR Admin

Advanced Class: Outstanding Technical Design Report

Standing	School	Country	Late Penalty	Design Score
1	214 - Univ of Michigan - Ann Arbor (<i>M-Fly Advanced Class</i>)	United States	---	45.9118
2	201 - Georgia Institute of Technology (<i>ColumBUZZ 2XR Pro</i>)	United States	-5.0	44.2514
3	202 - Wroclaw University of Technology (<i>JetStream Advanced</i>)	Poland	---	41.0692
4	215 - Cedarville Univ (<i>CU Flight Crew</i>)	United States	---	40.2743
5	212 - Concordia University (<i>Stingers</i>)	Canada	---	40.1502
6	213 - McGill Univ (<i>AERO McGill Advanced</i>)	Canada	---	39.5034
7	222 - Vellore Institute of Technology (<i>Team Assailing Falcons</i>)	India	---	37.7713
8	231 - Universidad Nacional Autónoma de México (<i>UNAM Aero Design Advanced</i>)	Mexico	---	37.4402
9	211 - Inst Tech De Aeronautica (<i>LeviatãE</i>)	Brazil	---	37.0156
10	219 - University of Western Ontario (<i>Western Aero Design</i>)	Canada	---	36.9911
11	225 - California State Univ - Northridge (<i>El Toro Volador</i>)	United States	-5.0	36.3265
12	228 - Univ of Delaware (<i>Flyin' Hens</i>)	United States	---	33.5354
13	233 - Univ of Tennessee - Martin (<i>Hawkworks UTM</i>)	United States	---	32.7074
14	223 - Fr Conceicao Rodrigues College of Engrg (<i>Team Vaayushastra</i>)	India	---	32.2324
15	238 - Kennesaw State University (<i>Aerial Robotics</i>)	United States	---	30.7473
16	221 - Inst of Aeronautical Engrg Hyderabad (<i>IARE ASTRA</i>)	India	---	25.4049
17	218 - Université Laval (<i>Avion Cargo Laval -Advanced</i>)	Canada	-5.0	23.3289

<https://www.sae-stars.com/post.html?fileID=Y5yivZPhox2XIOGM5uv9cM3SBNjWheEKbfshAhSc3uvekc> 1/9



Students' Participation in Advanced class of SAE Aero Design Competition



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Advanced Class - Overall Standings

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Standings	University (Team)	Country	Design Scores	Presentation Scores	Mission Performance Scores	Technical Inspection Deductions	Overall Scores
1	219 - Wroclaw University of Technology	Poland	37.0268	48.6333	16.4150	-	102.0751
2	214 - AISSMS College of Engineering	India	42.2180	41.8833	0.0000	-	84.1013
3	223 - Nanjing Univ of Aeronautics & Astronauti	China	31.0350	46.2000	0.0000	-	77.2350
4	226 - Alexandria Univ	Egypt	28.1021	37.3333	0.0000	-	65.4355
5	211 - Fr. Conceicao Rodrigues College of Engrg	India	29.3220	36.0500	0.0000	-	65.3720
6	224 - Universidad Autonoma de Baja California	Mexico	0.0000	34.5125	0.0000	-	34.5125
7	212 - California State Univ - Northridge	United States	27.8351	44.4375	0.0000	-41.0	31.2726
N/R	222 - Univ of Pittsburgh - Pittsburgh	United States	0.0000	0.0000	0.0000	-	0.0000

* N/R = Not Ranked

Overall Ranking of Advanced class of SAE Aero Design Competition



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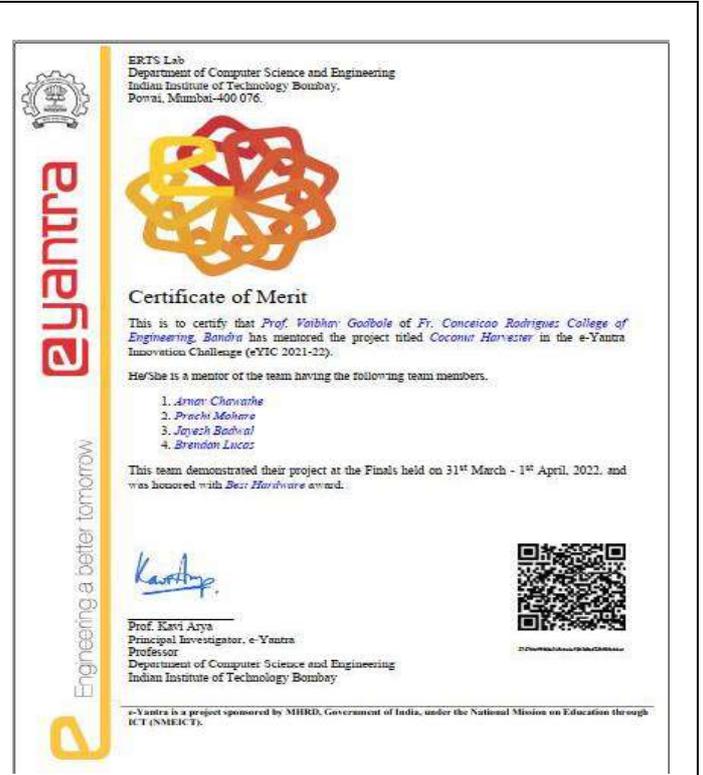


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Team Project Cell: Project Cell team Members Participate in e-yantra Idea Competition and e-yantra Robotics Competition every year,organised by IIT-Mumbai. Every year there is a Team participating and winning awards under different Categories like Most Innovative Solution, Best Hardware, Best Algorithm Design.



The project titled “Coconut harvester” received “Best hardware” Award in e-yantra ideas March, 2022.



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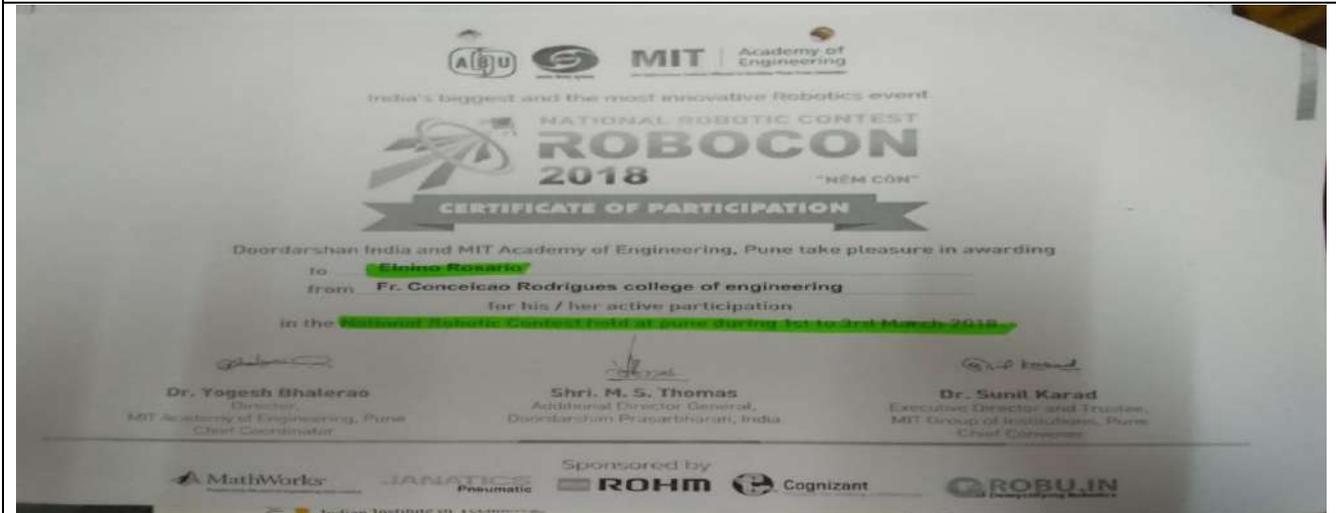
Team Robocon-CRCE: The student Team Members participate ever year in ABU Robocon which is the biggest collegiate robotics competition in Asia-Pacific.

Achievements:

- 2021-22: 21st Position in overall ranking
- 2019-20: 8th position in overall ranking
- 2017-18: 26th position in overall ranking
- 2016-17: 18th position in overall ranking
- 2015-16: 21st Rank from 105 participating teams
- 2014-15: 25th position in overall ranking



Student Participation in ABU Robocon July 2022 (All India Rank-21)



Student Participation Certificate in ABU Robocon March 2018



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TEAM ABADHA: Team ABADHA produces All Terrain Vehicle from buggy making to final ATV overcoming all constraints of time, investments, social connect activities etc. all under one roof in campus of Fr.CRCE and participates in the National Level competitions like SAE BAJA. They participated in Virtual E-BAJA SAE INDIA 2021-22 competition with flying colors. Team Abadha secured an overall rank of 15 at E-Baja SAE India Competition in June 2022 held at Pithampur, Indore, on the tracks of NATRAX and proved an exciting experience for students.



Organized by **INDIA SAE**

BAJA SAE INDIA 2022

eBAJA SAE INDIA 2022 OVERALL EVENT SCORE

COLLEGE	TEAM NAME	CITY	STATE	PRELIMINARY SCORE (OUT OF 100)	OVERALL STATIC SCORE (OUT OF 300)	OVERALL VIBR SCORE (OUT OF 400)	OVERALL DYNAMIC EVENT SCORE (OUT OF 300)	4WD BONUS (OUT OF 100)	VALIDATION EVENT SCORE (OUT OF 100)	ENDURANCE SCORE (OUT OF 300)	OVERALL EVENT SCORE (1600)	PHASE II PROTEST PENALTY	FINAL OVERALL SCORE
ACROPOLIS INSTITUTE OF TECHNOLOGY AND RESEARCH	ACROPACERS	INDORE	MAHARASHTRA	65.92	124.86	104.73	271.97		59.26	380.00	1025.83		1025.83
ADITYA ENGINEERS COLLEGE	FALGON STRATEGY 4.0	SURANPALLEM	ANDHRA PRADESH	39.40	61.72	BACKOUT				101.12			101.12
MEDS COLLEGE OF ENGINEERING, PUNE	REDWAGON RACING	PUNE	MAHARASHTRA	46.65	149.27	216.69				412.25			412.25
AAAL NITD COLLEGE OF ENGINEERING	TEAM TORERO	KANURAPALLY	KERALA	27.99	111.97	0.00				139.06			139.06
BIRLA INSTITUTE OF TECHNOLOGY, WISERA	TEAM AVEON RACING	BAHOI	JHARKHAND	60.82	158.69	26.21	41.46		36.99	132.25	455.99		455.99
CAMBRIDGE INSTITUTE OF TECHNOLOGY	CAMBRIDGE RALLY SPORT	BENGALURU	KARNATAKA	35.99	101.97	DNF			DQ		136.67		136.67
CHEMUN INSTITUTE OF TECHNOLOGY	NAALEE	CHENNAI	TAMIL NADU	55.00	120.81	DNF			DQ		175.01		175.01
DMR INSTITUTE OF TECHNOLOGY	EQUINDI	BANGALORE	KARNATAKA	35.25	59.26	BACKOUT					84.54		84.54
COLLEGE OF ENGINEERING PUNE	TEAM NEMERE RACING	PUNE	MAHARASHTRA	60.47	134.95	102.32	123.24		39.12	115.63	476.73		476.73
COLLEGE OF ENGINEERING, ADDOR	TEAM ASTRA	PATNANAMTHITTA	KERALA	45.54	99.26	79.45					223.85		223.85
DR. D. Y. PATIL INSTITUTE OF TECHNOLOGY, NARHE	TEAM DUREWAYS	PUNE	MAHARASHTRA	61.65	159.81	172.94					385.10		385.10
DIWAKARSHANKI SAKSHI COLLEGE OF ENGINEERING	DE KRONGS INDIA	MUMBAI	MAHARASHTRA	65.72	217.48	251.01					540.22		540.22
FRIDLEA ACADEMY OF MANAGEMENT AND TECHNOLOGY, SANTASHIR	TEAM MATADORS	KATNARSHI	MAHARASHTRA	39.54	141.96	155.09					418.59		418.59
FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING	TEAM ABADHA 2022	MUMBAI	MAHARASHTRA	64.51	142.42	125.15	153.81		49.77	373.50	1024.71		1024.71
IRAWDA BRNH-CADDS COLLEGE OF ENGINEERING AND TECHNOLOGY	TEAM BRAVIM	BATHINDA	PUNJAB	28.73	113.82	DQ					142.39		142.39
GOVERNMENT ENGINEERS COLLEGE, THIRUUR	BU O'E	THIRUVAR	KERALA	44.11	133.12	84.89	NOT ATTENDED			47.60	328.71		328.71
BT JODHPUR	NALEKUTI	JODHPUR	RAJASTHAN	62.84	132.92	0.00					213.38		213.38
HT KOPAN	AMU PANITA	KOPAN	PUNJAB	31.73	90.00	0.00					140.44		140.44
INDIAN INSTITUTE OF TECHNOLOGY, HYDERABAD	ITPI FASHION	SAYIDABADY	TELANGANA	64.84	BACKOUT	BACKOUT					44.14		44.14
INDIAN INSTITUTE OF TECHNOLOGY, INDORE	TEAM ENGINE AND DESIGN	INDORE	MAHARASHTRA	57.24	145.43	DNF					200.79		200.79
INDIAN INSTITUTE OF TECHNOLOGY, JODHPUR	TEAM ONDICE	JODHPUR	RAJASTHAN	62.69	147.91	13.29					218.72		218.72
INSTITUTE OF TECHNOLOGY, NIRMALA UNIVERSITY	TEAM STALLIONS	JAHNABAD	GUJARAT	62.42	134.91	BACKOUT	116.68				176.13		176.13
K.E. SOCIETYS RAJARAMBAPU INSTITUTE OF TECHNOLOGY RAJARAMBAPU,	TEAM GALACTUS RACING	ISLAMPUR	MAHARASHTRA	60.53	134.74	108.14					278.41		278.41
KALINIA INSTITUTE OF INDUSTRIAL TECHNOLOGY	SKYLINE RACING	BHUSANESWAR	ODISHA	46.34	123.53	61.16					176.28		176.28
RAJ TECHNOLOGICAL UNIVERSITY	TEAM CONCEPT DESIGN	MUMBAI	MAHARASHTRA	61.89	155.30	242.90	18.87		55.99	3.30	389.10		389.10
KE INSTITUTE OF TECHNOLOGY	RESOLVE RACING	BANGALORE	KARNATAKA	39.38	119.85	155.97					315.10		315.10





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b) Student Participation in National and International Competitions

Hackathons: Students of CRCE participate in various Hackathon's (National and International) to name a few SIH, Flipkart, NASA Global Hackathon throughout the year.



Participation in Flipkart Robotics Challenge to solve the Real world Problem



Participation in NASA Global Hackathon on Earth



Student Participation in Hackathon's



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Team Explorers - Won in AI hackathon an initiative of **SINE-IITB** supported by MSH, MEITY and organized by DERBI Foundation in the month of Aug 21. Prof. Swati Ringe, Nicola Mascarenhas, Yash Khasgiwala, Mario Dias



SMART INDIA HACKATHON

Team Digital Pirates – Winner in Final -Software Edition- Theme :Transportation and Logistics
Ministry of Ports, Shipping and Waterways



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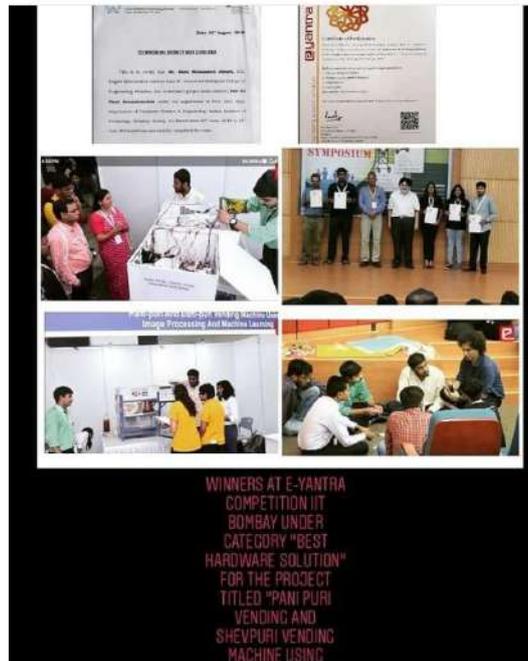
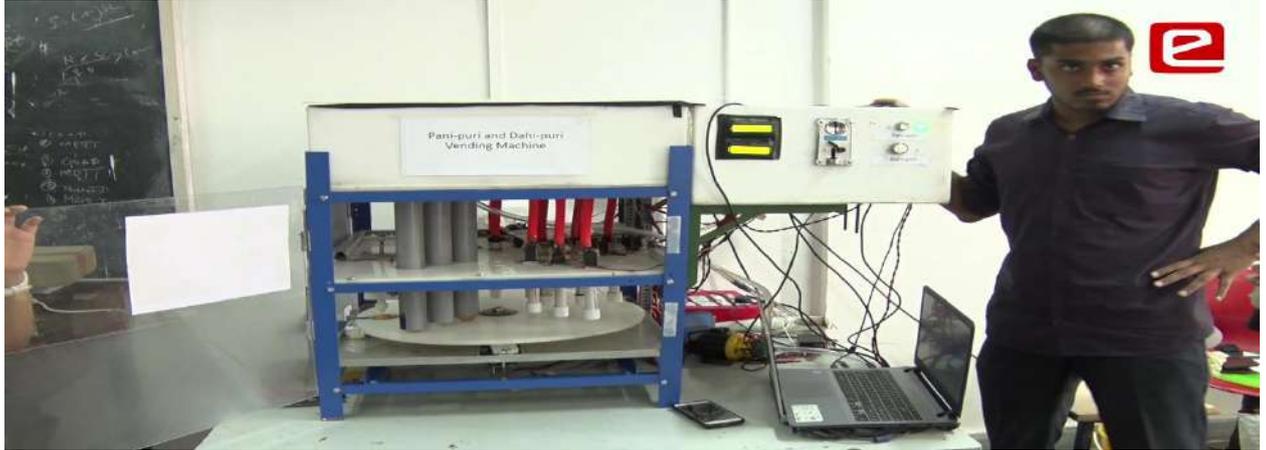
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c) Student Participation in Technical Event at IIT-Mumbai

1. A project titled “Pani-puri and dahi puri vending machine” received an award in e-yantra ideas competition, organized by IIT, Bombay under “Best hardware” category” in March, 2019



The Idea was to make a “Automatic Panipuri Vending Machine” which takes a Rs.10 coin and gives choice to the customer about the flavours. After Starting the items are processed and delivered. It also has provision for auto cleaning of the machine



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d) Students' Score Cards

<u>GRE</u>	<u>TOEFL</u>																																																														
<div style="text-align: center;"> </div> <p>TOEFL iBT® Test Taker Score Report</p> <p><small>THIS IS A PDF DOWNLOADABLE AND PRINTED BY THE TEST TAKER, INTENDED FOR THE TEST TAKER'S PERSONAL RECORD.</small></p> <p>Name: Poochawala, Chirag Parag <small>1441 Phoenix Boulevard, Suite 100, Phoenix, Arizona 85008</small></p> <p>Email: chiragpoochawala@gmail.com</p> <p>Gender: M Date of Birth: 18 Oct 1994</p> <p>Registration Number: 0039 0203 2394 9995 Test Date: 15 Sep 2018 Sponsor Code:</p> <p>Address: Poochawala, Chirag Parag C-10, Flat no. 16 Jeevan Bima Nagar Borivali West Mumbai, Maharashtra 400103 India</p> <p>Country of Birth: India Native Language: HINDI Test Center: AF0218922 - MUMBAI, 8302 - INDIA Test Center Country: India</p> <p>Web Code: 6974 99 Dist. Code: 1846 99 0023 99 5436 99</p> <p>TOEFL iBT Scaled Scores</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Reading</td><td>29</td></tr> <tr><td>Listening</td><td>30</td></tr> <tr><td>Speaking</td><td>28</td></tr> <tr><td>Writing</td><td>29</td></tr> <tr><td>Total Score</td><td>116</td></tr> </table> <p>Security Identification ID No.: xxxxxxxxxxxxxxxxxxxxxxxx ID Issuing Country: India</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Reading Skills</th> <th>Level</th> <th>Your Performance</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Reading</td> <td>High</td> <td> <p>Test takers who receive a score at the HIGH level, as you did, typically understand linguistic texts in English that require a wide range of reading skills regardless of the difficulty of the source.</p> <p>Test takers who score at the HIGH level, typically:</p> <ul style="list-style-type: none"> have a very good command of academic, vocabulary and grammatical structures; can understand and interpret information; make appropriate inferences, and synthesize ideas, even when the text is conceptually dense (and/or language is complex); can recognize the purpose (or purposes) of a text; and can distinguish major ideas from a text, even when the text is conceptually dense and contains complex language. </td> </tr> <tr> <td>High</td> <td> <p>Test takers who score at a level at the HIGH level, as you did, typically understand conversation and lectures in English that present a wide range of listening demands. 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All rights reserved. ETS, the ETS logo, TOEFL, and TOEFL iBT are registered trademarks of Educational Testing Service (ETS) in the United States and other countries.</small></p>	Reading	29	Listening	30	Speaking	28	Writing	29	Total Score	116	Reading Skills	Level	Your Performance	Reading	High	<p>Test takers who receive a score at the HIGH level, as you did, typically understand linguistic texts in English that require a wide range of reading skills regardless of the difficulty of the source.</p> <p>Test takers who score at the HIGH level, typically:</p> <ul style="list-style-type: none"> have a very good command of academic, vocabulary and grammatical structures; can understand and interpret information; make appropriate inferences, and synthesize ideas, even when the text is conceptually dense (and/or language is complex); can recognize the purpose (or purposes) of a text; and can distinguish major ideas from a text, even when the text is conceptually dense and contains complex language. 	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All rights reserved. ETS, the ETS logo and GRE are registered trademarks of Educational Testing Service (ETS) in the United States and other countries.</small></p> <p style="text-align: right;"><small>Page 1 of 3</small></p>	Verbal Reasoning	Quantitative Reasoning	Analytical Writing	<p>Your Scaled Score: 155</p> <p>89th Percentile</p>	<p>Your Scaled Score: 165</p> <p>88th Percentile</p>	<p>Your Score: 4.5</p> <p>82nd Percentile</p>	Test Date	Verbal Reasoning		Quantitative Reasoning		Analytical Writing		Scaled Score	Percentile	Scaled Score	Percentile	Score	Percentile	August 22, 2018	155	89	165	88	4.5	82	Report Date	Institution (Code)	Department (Code)	Test Title	Test Date					
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GRE AND TOEFL SCORE CARD



Chirag



Fr. Conceicao Rodrigues College of Engineering

Fr. Agnel Technical Education Complex Bandstand,

Bandra Mumbai -400 050

ETS TOEFL iBT Test Taker Score Report

Name: Ajani, Yameen TanveerHusain
 Last Family Name / Name: For Email: Newa Marka Nava
 Email: yameenajani@gmail.com
 Gender: M Appointment Number: 7113 9002 1481 9447
 Date of Birth: September 06, 2000 Test Date: September 11, 2021



Ajani, Yameen TanveerHusain
 36 A, Eko Arcade, 64 Hill Road,
 Bandra West, Mumbai
 Mumbai, Maharashtra 400050
 India

Inst. Code	Dept. Code
0806	76
0806	76
0803	76
0803	76

Country of Birth: India
 Native Language: English
 Test Center: AF0J-8222 - MUMBAI, 8222 INDIA
 Test Center Country: India

Security Identification
 ID Type: PASSPORT ID No. XXXXXXXXXXXXXXXXXXXX1270 Issuing Country: India

THIS IS A PDF SCORE REPORT, DOWNLOADED AND PRINTED BY THE TEST TAKER.

September 11, 2021
Test Date Scores

Total Score: **112** (out of 120)

Reading: 28 (out of 30)
 Listening: 30 (out of 30)
 Speaking: 26 (out of 30)
 Writing: 28 (out of 30)

MyBest™ Scores
Your highest section scores from all valid test dates, as of September 14, 2021.

Sum of Highest Section Scores: **112** (out of 120)

Reading: 28 (out of 30)
 Listening: 30 (out of 30)
 Speaking: 26 (out of 30)
 Writing: 28 (out of 30)

A total score is not reported when one or more sections have not been administered. Explicit scores are not included in MyBest™ calculations.

ETS GRE TEST TAKER SCORE REPORT

Note: This report is not valid for transmission of scores to an institution.

Yameen TanveerHusain Ajani Most Recent Test Date: August 31, 2021

Address: 26 A, Eko Arcade, 64 Hill Road, Bandra West, Mumbai, Mumbai, IN, MH, 400050 India
 Registration Number: 0758887
 Print Date: October 29, 2021

Email: yameenajani@gmail.com
 Phone: 91-4107593111
 Date of Birth: September 6, 2000
 Social Security Number (Last Four Digits):
 Gender: Male
 Intended Graduate Major: Computer Science (0402)

Your Scores for the General Test Taken on August 31, 2021

Verbal Reasoning	Quantitative Reasoning	Analytical Writing
Your Scaled Score: 154 62nd Percentile	Your Scaled Score: 163 79th Percentile	Your Score: 4.0 54th Percentile

Your Test Score History

General Test Scores

Test Date	Verbal Reasoning		Quantitative Reasoning		Analytical Writing	
	Scaled Score	Percentile	Scaled Score	Percentile	Score	Percentile
August 31, 2021	154	62	163	79	4.0	54

Subject Test Scores

You do not have reportable test scores at this time.

Your Score Recipient(s)

Undergraduate Institution

Report Date	Institution (Code)	Department (Code)	Test Title	Test Date

TOEFL AND GRE SCORE CARD

Government of Maharashtra
State Common Entrance Test Cell, Mumbai.
8th Floor, New Excelsior Building, A. K. Nayak Marg, Fort, Mumbai- 400 001

MBA/MMS CET 2021 Score Card

Roll No	Application Number	Category	Open
2111040137	215512222	Open	Open

*Candidate's Name: NERURKAR OM DNYANESH

*Candidate's Father's / Husband's Name: DNYANESH

*Candidate's Mother's Name: AMTA

MBA/MMS CET Percentile: 99.9250767

Date of the Result: 29-Oct-2021

IP address of the Computer from which Score Card downloaded: 42.106.241.208

Date and Time of downloading the Score Card: 06-11-2021 15:31

* As filled in by the candidate in online application form

MBA/MMS CET Scores are Normalized Scores across Multi Day and Multi-Session Papers are based on the relative performance of all those candidates who have appeared for the examination in one session. The Marks obtained are transformed into a scale ranging from 100 to 0 for each Session of Examinees.

MBA/MMS CET Score is NOT the same as PERCENTAGE of Marks obtained.

The detailed Process of Scoring Logic has been made available for the candidates on <https://cetcell.mahacet.org/> for reference.

State Common Entrance Test Cell, Maharashtra State, Mumbai
8th Floor, New Excelsior Building, A.K. Nayak Marg, Fort, Mumbai-400001, (M-8-2)

Receipt-cum-Acknowledgement of Institute Level Admission for Admission to First Year Post Graduate Technical Courses in Management Admissions (MBA/MMS) for the year 2021 - 2022

Application ID : M21120085

Personal Details:

Full Name: NERURKAR OM DNYANESH	Date of Birth: 08-09-2000
Nationality: Indian	Annual Family Income (₹): 2,50,001 - 3,00,000
Gender: Male	
Category-Caste: OPEN	
Applied For SEMS: N/A	
PH Type: N/A	
Type of Candidates: OPEN	

Institute Level Fee is filled by online payment of Rs. 1000/-

Fee Amount (₹)	₹ 1000/-	Payment Status	Successful	Transaction Id	order_1a391a4wm7wq888

Institute Details:

Institute Name: 3001 - Jammnalal Bajaj Institute of Management Studies, Mumbai (University Department - Autonomous - Non-Resorty)	Course Name: 3003 10210-M. M. S.
Tuition Fee (₹): 750000/-	Admission Date: 17-12-2021
Development Fee (₹): 250000/-	Admission Type:
Other Fee (₹): 304396/-	
Total Fee (₹): 1504396/-	Remark: All documents are verified and found correct.

Declaration by Candidate: I hereby agree to conform to rules, acts and laws enforced by Government. I hereby undertake that to sign as I am aware of College Statutes. I will not behave in a manner which may result in cancelling the admission to this institution. I fully understand that the Principal/Director of the Institute/College will have rights to accept, suspend or remove from the Institute, for any transgression of the rules prescribed by the college/institute/university/Government and the undertakings given.

Date: 21-12-2021

Signature of Candidate (NERURKAR OM DNYANESH)

INSTITUTE USE ONLY

Declaration by the College/Institute: We hereby declare that we are admitting this Candidate to our College / Institute for Post Year Post Graduate Technical Courses in Management Admissions (MBA/MMS) for the year 2021-2022 on verification of Candidate's Identity. The candidate has paid the Fee mentioned in the receipt. We also declare that the admission of Candidate is confirmed in presence of the Candidate.

Seal of Jammnalal Bajaj Institute of Management Studies, Mumbai

Signature of Institute Officer (3001)

Reported On: 21-12-2021 09:28:03 PM

Reported By: 3001

MBA CET SCORE CARD & ADMISSION AT JAMNALAL BAJAJ INSTITUTE OF MANAGE STUDIES





Fr. Conceicao Rodrigues College of Engineering

Fr. Agnel Technical Education Complex Bandstand,

Bandra Mumbai -400 050



GATE 2021 Scorecard

Graduate Aptitude Test in Engineering (GATE)

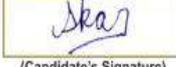
Candidate's Details

Name
KAR SUMANTO ASHIM

Parent's / Guardian's Name
ASHIM KUMAR KAR

Registration Number **Date of Birth**
EC21S42051051 15-May-2000

Examination Paper
Electronics and Communication Engineering (EC)

(Candidate's Signature)

Performance

GATE Score **412**

Marks out of 100* **29.33**

Qualifying Marks** **25.0** **22.5** **16.6**
General EWS/OBC (NCL) SC/ST/PwD

Number of Candidates Appeared in this paper **80629**

All India Rank in this paper **5334**

Valid up to 31st March 2024

* Normalized marks for Civil Engineering (CE), Computer Science and Information Technology (CS) and Mechanical Engineering (ME) Papers.

** A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which valid category certificate, if applicable, is produced along with this scorecard.



19th March 2021
Prof. Deepankar Choudhury
Organising Chairperson, GATE 2021
(on behalf of NCB - GATE, for MoE)



e53ab860833ab87a68cb064140727e11

The GATE 2021 score is calculated using the formula

$$GATE\ Score = S_q + (S_t - S_q) \frac{(M - M_q)}{(\bar{M}_t - M_q)}$$

where,
M is the marks obtained by the candidate in the paper, mentioned on this GATE 2021 scorecard
M_q is the qualifying marks for general category candidate in the paper
 \bar{M}_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of the candidates who appeared in the paper (in case of multi-session papers including all sessions)
S_q = 350, is the score assigned to **M_q**
S_t = 900, is the score assigned to **\bar{M}_t**

In the GATE 2021 score formula, **M_q** is 25 marks (out of 100) or $\mu + \sigma$, whichever is greater. Here μ is the mean and σ is the standard deviation of marks of all the candidates who appeared in the paper.

Qualifying in GATE 2021 does not guarantee either an admission to a post-graduate program or a scholarship/assistantship. Admitting institutes may conduct further tests and interviews for final selection.

Codes for XE and XL Paper Sections (compulsory section and any other two sections)

XE: Engineering Sciences A - Engineering Mathematics (compulsory) B - Fluid Mechanics C - Materials Science D - Solid Mechanics E - Thermodynamics F - Polymer Science and Engineering G - Food Technology	XL: Life Sciences P - Chemistry (compulsory) Q - Biochemistry R - Botany S - Microbiology T - Zoology U - Food Technology
--	--

GATE SCORE CARD



Signature



Fr. Conceicao Rodrigues College of Engineering

Fr. Agnel Technical Education Complex Bandstand,

Bandra Mumbai -400 050



GATE 2021 Scorecard

Graduate Aptitude Test in Engineering (GATE)



Candidate's Details

Name
ROUNAK SINGH HARPAL SINGH BUTTAR

Parent's / Guardian's Name
HARPAL SINGH BUTTAR

Registration Number **Date of Birth**
PI21S42052205 18-Feb-2000

Examination Paper
Production and Industrial Engineering (PI)




(Candidate's Signature)

Performance

GATE Score **563**

Marks out of 100* **53**

Qualifying Marks** **35.7** **32.1** **23.8**
General EWS/OBC (NCL) SC/ST/PwD

Number of Candidates Appeared in this paper **2059**

All India Rank in this paper **109**

Valid up to 31st March 2024



19th March 2021
Prof. Deepankar Choudhury
Organising Chairperson, GATE 2021
(on behalf of NCB - GATE, for MoE)



* Normalized marks for Civil Engineering (CE), Computer Science and Information Technology (CS) and Mechanical Engineering (ME) Papers.

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S_t = 900, is the score assigned to **\bar{M}_t**

In the GATE 2021 score formula, **M_q** is 25 marks (out of 100) or $\mu + \sigma$, whichever is greater. Here μ is the mean and σ is the standard deviation of marks of all the candidates who appeared in the paper.

Qualifying in GATE 2021 does not guarantee either an admission to a post-graduate program or a scholarship/assistantship. Admitting institutes may conduct further tests and interviews for final selection.

Codes for XE and XL Paper Sections (compulsory section and any other two sections)

XE: Engineering Sciences A - Engineering Mathematics (compulsory) B - Fluid Mechanics C - Materials Science D - Solid Mechanics E - Thermodynamics F - Polymer Science and Engineering G - Food Technology H - Atmospheric and Oceanic Sciences	XL: Life Sciences P - Chemistry (compulsory) Q - Biochemistry R - Botany S - Microbiology T - Zoology U - Food Technology
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Graduate Aptitude Test in Engineering (GATE) 2021 was organized by Indian Institute of Technology Bombay on behalf of the National Coordination Board (NCB) - GATE for the Department of Higher Education, Ministry of Education (MoE), Government of India.

GATE SCORE CARD



Signature



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CAT

COMMON ADMISSION TEST 2018 (CAT 2018)							
INDIAN INSTITUTES OF MANAGEMENT							
CAT 2018 SCORE CARD							
Name of the Candidate : OMKAR AJIT KHEDKAR							
Candidate's Contact Details : 201 GURUKRIPA CHS PLOT NO 18 POLICE OFFICERS CHS VERSOVA ANDHERI WEST MUMBAI							
Town/City : MUMBAI District : Mumbai Suburban State : Maharashtra Email : omkarkhedkaro@gmail.com							
							
CAT Registration Number		8038336		PWD Status		No	
Gender		Male		Category		General	
Date of Birth		09/Jan/1996		Date and Time of Test		25th Nov 2018 (2:30 PM - 5:30 PM)	
Section		Section		Section		Total	
Verbal Ability & Reading Comprehension		Data Interpretation & Logical Reasoning		Quantitative Ability			
Scaled Score	Percentile	Scaled Score	Percentile	Scaled Score	Percentile	Overall Scaled Score	Overall Percentile
39.46	77.94	14.96	63.67	7.97	53.88	62.39	69.24
Instructions:							
<ol style="list-style-type: none"> Only those candidates who have taken the Common Admission Test (CAT 2018) are entitled to receive the score card. Keep a print-out of this score card for your information pertaining to CAT 2018. You will not receive the score card by email or by post. The Overall Scaled Score is the sum of the scaled scores of the candidate in the three sections. Percentile refers to the percentage of candidates who receive score less than or equal to the score obtained by the candidate. IIMs and Non-IIM member institutions independently decide how to use CAT 2018 scores in line with their own selection process. The scores are to be used only for selecting the candidates to their respective Post Graduate / Fellow Programme in Management. Detection of instances of incorrect information and process violation by a candidate at any stage will lead to disqualification of the candidate. Candidate's score will become null and void and he/she will not be allowed to appear for CAT in future. If such instances go undetected during the current selection process but are detected in subsequent years, such disqualification and the associated penalties will take place with retrospective effect. All queries regarding post-CAT 2018 selection process must be directed to respective IIMs. CAT Centre will not answer post-CAT related queries. CAT 2018 score is valid only until 31st December 2019 and is subject to the candidate meeting the minimum eligibility marks in the qualifying examination. The score card will be available on www.iimcat.ac.in till 31st December 2019 to download. Toll free number 1-800-209-0830 will be available till 20th January, 2019 and webmail support cathelpdesk@iimcat.ac.in will be available till 31st March, 2019 respectively. 							
© Copyright CAT IIM 2018							



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e)Internet/Computing Facility for the students



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4)ICT Tools: Following are some of the ICT Tools used by the faculty to enhance the Teaching Learning Process.

a) YouTube: Some of the faculty have taken the initiative to make their own YouTube channel for their respective subjects.

The screenshot shows the YouTube channel for JAYEN MODI. The channel name is 'JAYEN MODI' with 67 subscribers and 17 videos. The bio states: '@jayenmodi • 67 subscribers • 17 videos This channel is about the analysis of electronic devices & circuits - particularly discrete electronic devic...'. The channel has tabs for HOME, VIDEOS, PLAYLISTS, and COMMUNITY. A video titled 'Module No. 5 RECTIFIERS & FILTERS' is featured, with a thumbnail showing the college logo and text: 'Electronic Devices (ED) – ECC 302 S.E. (Electronics & Computer Science) Semester III for Academic Year 2020 – 2021'. Below the video, there are 3 likes, a share icon, and a save icon. A list of other videos is shown, including 'Lecture 14 of Module No. 2 (Unit No. 2.2) - T...', 'Lecture 16 of Module No. 2 (Unit No. 2.2) - T...', and 'Lecture 15 of Module No. 2 (Unit No. 2.2) - T...'.

YouTube Channel Prof. Jayen Modi (ECS Department)/Subject: Electronic Devices (ECC 302) <https://youtube.com/@jayenmodi>

The screenshot shows a YouTube playlist titled 'Lecture Series BDA- Big Data Analytics' by Swati Ringe. The playlist has 30 videos and 3,460 views, updated 5 days ago. The video thumbnails and titles are as follows:

- 1. Lecture 2 -Big Data Analytics :What is big data. Types and characteristics of big data (54:52)
- 2. Lecture3 - Big Data Analytics (BDA) difference between RDBMS and Big Data, Big Data Case studies (57:57)
- 3. Lecture3 - Big Data Analytics (BDA) difference between RDBMS and Big Data, Big Data Case studies (57:57)
- 4. Lecture 4 -Big Data Analytics - Hadoop Core components (56:59)
- 5. Lecture 5 - Big Data Analytics - Hadoop and HDFS architecture SEM VII Mumbai University (55:18)

YouTube Channel Prof. Swati Ringe (Computer Engineering Department)/Subject: Big Data Analytics https://www.youtube.com/playlist?list=PLYK_ITZR6h8Vu_gCQZJb_NyVU6sBtV1In



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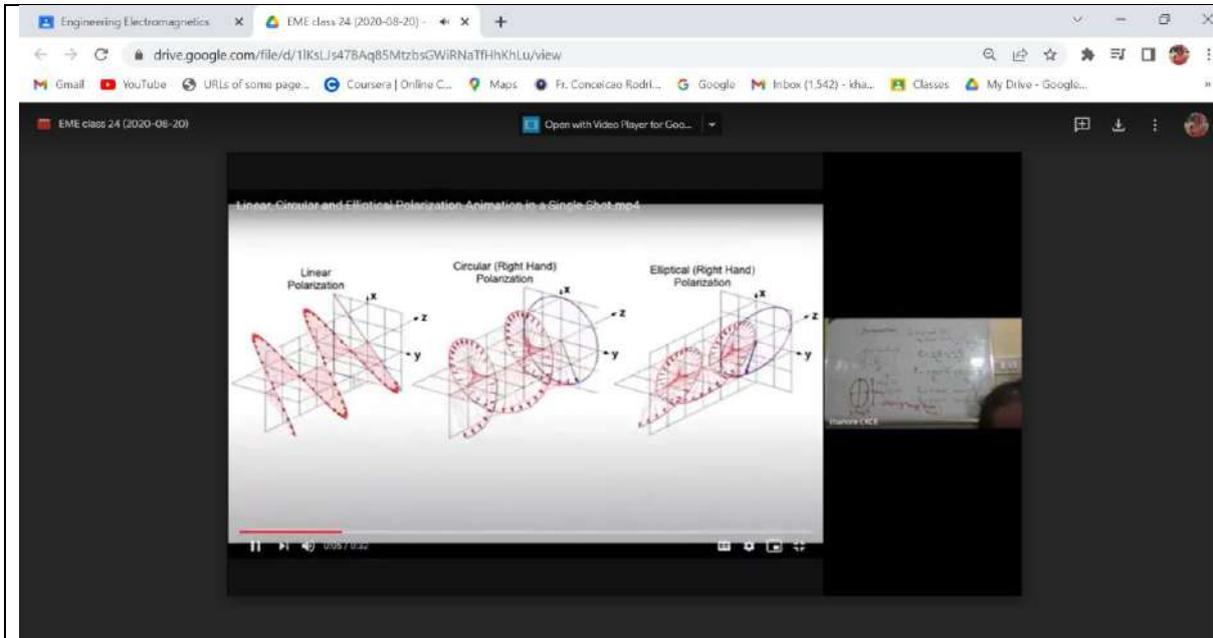


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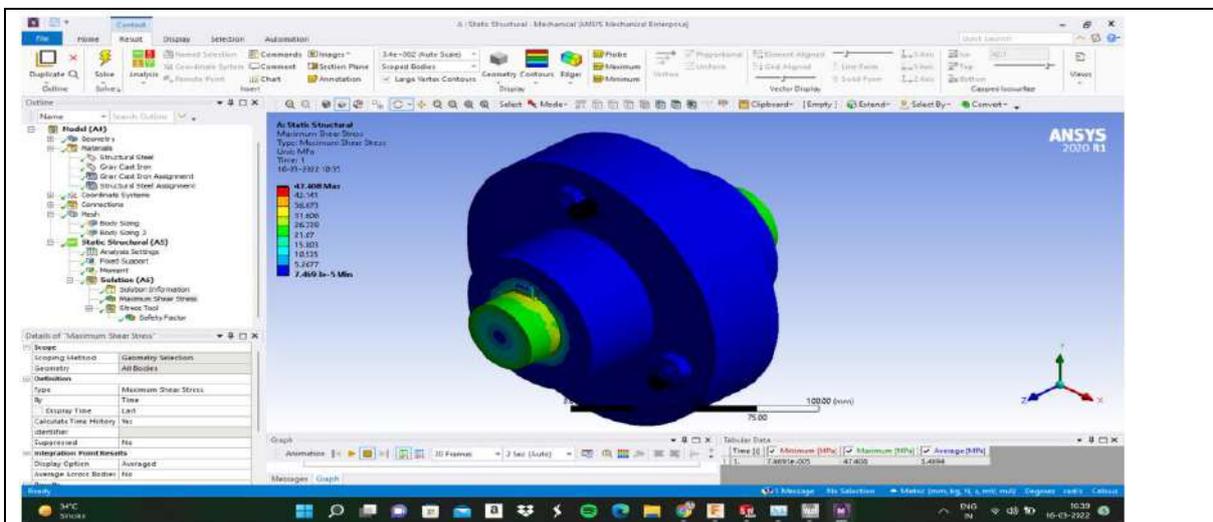
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b) Animations/Simulation Video:



Prof. Monica Khanore (Electronics Engineering Department) / Subject: Engineering Electromagnetics / Topic: Polarization (Animation Video)



Prof. Ketaki Joshi / Mechanical Department / Subject MD- Mini Project Modeling and Analysis / Topic : Ridge Flange Coupling (Simulation Tool)



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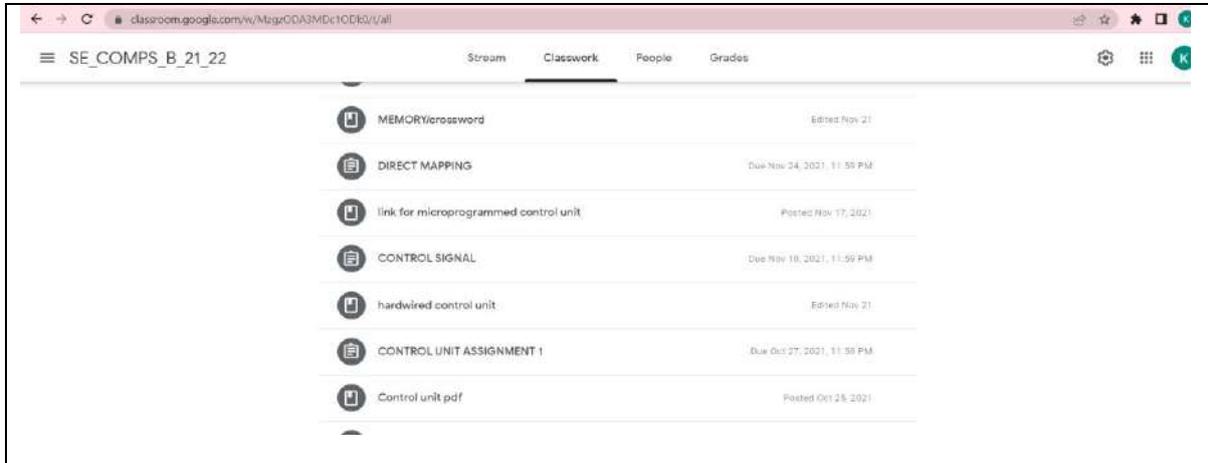


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c)Sharing Notes and Study Material on Google Classroom: All the faculty share their respective subject Notes ,Study Material, Reference Books pdf on the Google Classroom.



Prof. Kranti Wagle (Computer Engineering Department)/Subject :DLCOA(SEM III)



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d) Online Quiz /Assignment Uploaded on Classroom:

Quiz on Greedy Algorithms

Form description

Using Prim's algorithm to construct a minimum spanning tree starting with node A, which one of the following sequences of edges represents a possible order in which the edges would be added to construct the minimum spanning tree?

Multiple choice

Graph with nodes A, B, C, D, E, F, G and edges with weights: A-B (10), A-C (22), A-D (7), B-E (49), B-C (30), C-E (10), C-D (26), C-F (4), D-F (22), E-F (2), F-G (5).

Prof. Prajakta Dhamnaskar(AI & DS Engineering Department)/Subject:AOA(Sem IV) Online Quiz

case and test 1 .DOCX

File Edit View Insert Format Tools Help Last edit was made on January 10, 2020 by Unik B. Lokhande CRCE

Reaching Out
Rosenbluth, a privately held, family owned company, is the second largest travel services firm in the world, with American Express being number one. Rosenbluth's Global Distribution Network (GDN) is a worldwide telecommunications network through which the airline reservation systems are accessible. All Rosenbluth agents are connected to GDN as most of the company's travel software applications. Client's planning trips can either use the network to research or book their travel arrangements, or they can work through a Rosenbluth agent. Moreover, clients can choose to use a local Rosenbluth agent, or they can turn to specific agents of their choice anywhere in the world. Hal Rosenbluth of the company had this to say, "...Now we will not only connect people by planes or trains but we will connect them through technology."

Questions

1. How has technology helped companies like Rosenbluth deliver customized services?
2. Is it possible for small companies to adopt technology similar to Rosenbluth's? Why or why not? Justify.
3. What is the significance of Rosenbluth's statement? Give your viewpoint.

Test
Choose the appropriate answers:
1. The general transformation cycle for information is:
(a) Knowledge to data to information.
(b) Information to data to knowledge.
(c) Data to information to knowledge.
(d) Data to knowledge to information.

Prof.Unik Lokhande (AI & DS Department) /Subject:ERP Case Study(Assignment) shared on Google Docs.



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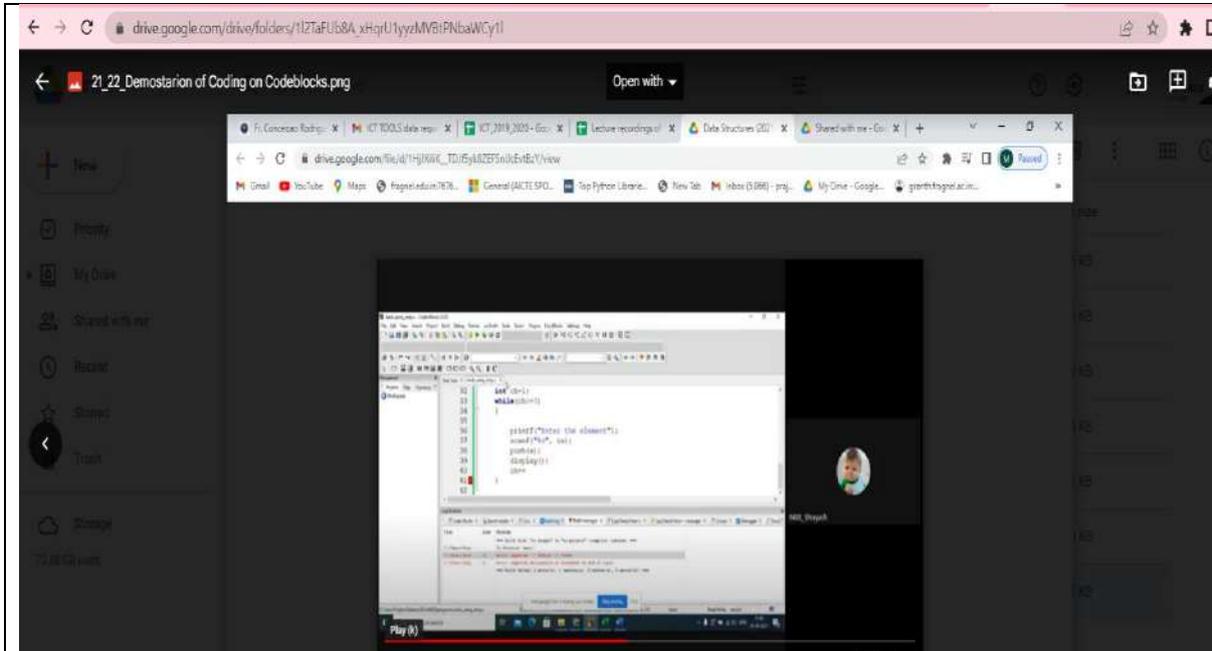


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e) **Demonstration Videos:** Demonstration of Coding in the subject of Data Structures using the Tool Codeblocks.



Prof. Prajakta Dhamnaskar (Computer Engineering Department) Subject: Data Structures (Sem IV)



Signature

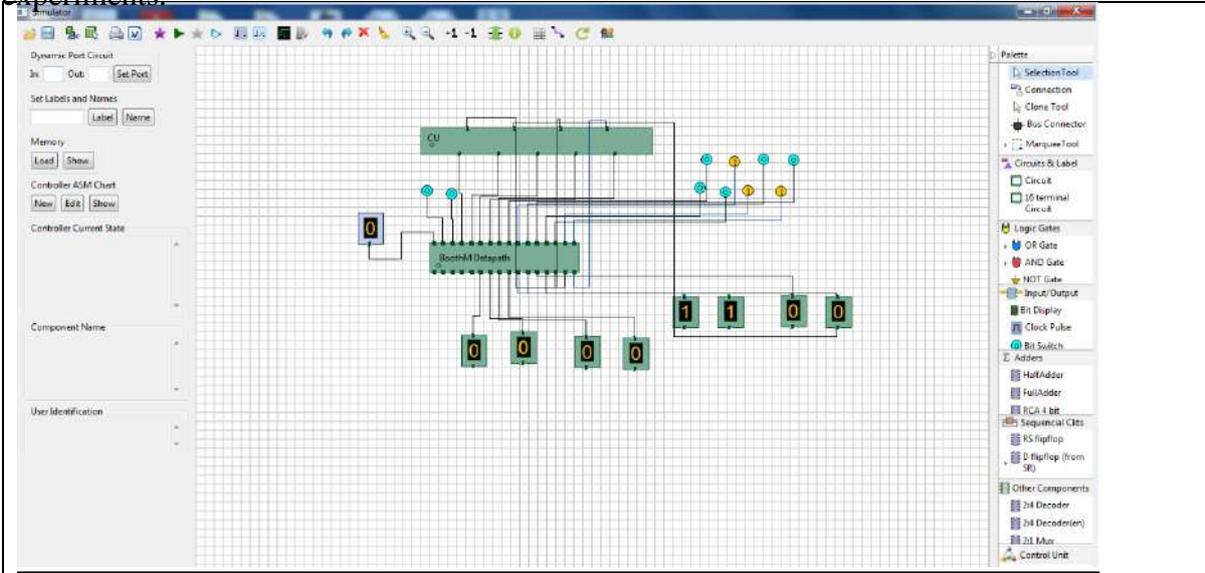


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f) Virtual Lab: In some of the Subject Lab the faculty demonstrates the experiments using Virtual lab and ensure that the students use the Virtual Lab effectively in performing the experiments.



Prof. Heena Pendhari (Computer Engineering department)/Subject :DLCOA Sem III



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