



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

**Brief Activity/Event Report**

**Name of the Department: EXTC: IETE-ETSA**

1. **Name of the Activity/Event** :Micro-2022
2. **Activity/Event Venue & Date** :12<sup>th</sup> September 2022 10.00 am to 1.30 pm
3. **Nature of Participants** : Students of SEM III,V and VII of EXTC Dept.
4. **Number of Participants** :175
5. **Student Coordinator** :Mr. Sarvesh Shinde, Mr Brett
6. **Staff Coordinator** : Dr. Prasad Kulkarni
7. **Brief Summary of the Activity/Event (in maximum 500 words):**

**a. Objectives :**

1. To make students aware of current trends in Industry.
2. To comprehend sustainability through ethical living.

**b. Technical Description :**

IETE-ETSA students' chapter organized a lecture series for the EXTC students on 12<sup>th</sup> September 2022. Bandwidth – Dept. Magazine was published by Rev. Fr. Seby Rodrigues, Assistant Managing Director, ATEC Vashi . Dr S. M. Khot, Principal Fr. CRIT appealed students to adopt the new skills and motivated them for lifelong learning. Dr. Milind Shah, HOD (EXTC) acquainted the house about the moto of such lecture series.

IETE-ETSA students' chapter invited the dignitaries form Industry and academics as mentioned below.

Sr. No .	Name and Affiliation of Resource Person	Content
1	Abhay Joshi Graduate Research Assistant, TUM.Mobility	The Internet of Everything
2	Mr. Allister D'Silva, Entrepreneur at Absolute Motion Pvt. Ltd.	Current Trends in Industry (IoT)
3	Ms. Prattusha Chatterjee, Counsellor of FCRIT	sustainability through ethical living
4	Mr. Jayant Kulkarni Dy. Gen. Manager Schneider Electric	Sustainability through ethical living

Staff Coordinator

HOD



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IETE-ETSA Team had also felicitated the academic toppers, winners of SIH 2022 as well as achievers of the department.

**c. Outcomes :**

**PO 7: Environment and sustainability & PO 8: Ethics:** Speaker guided the students on sustainability, ethics and motivated them for ethical living.

**PO 12: Life-long learning:** Speakers covered the current trends in the industry. They also briefed about the expected skill sets of core branch from the students. Finally asked students to find their needs and become a lifelong learner to achieve the requirement of professional career.

**d. Summary of Feedback :**

A random feedback on the session was collected and summarised below.

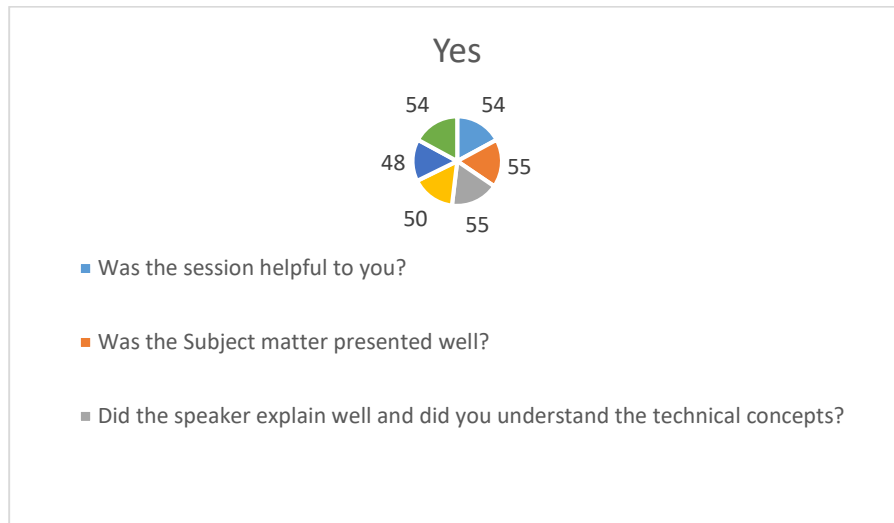
	Was the session helpful to you?	Was the Subject matter presented well?	Did the speaker explain well and did you understand the technical concepts?	Did the speaker interact with the students and respond to questions satisfactorily?	You are well acquainted with IoT4.0	You have understood Sustainability and Ethics
Yes	54	55	55	50	48	54
No	1	0	0	0	0	1
Maybe	1	1	1	6	8	1
Total	56	56	56	56	56	56



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

Lecture-series of recent trends will be organised by IETE-ETSA to bridge the gap between industry and education. This also helped students to select their academic projects.

#### 8. Activity / Event Photograph:



**Bandwidth – Dept. Magazine was published by Rev. Fr. Seby Rodrigues, Assistant Managing Director, ATEC Vashi . Dr S. M. Khot, Principal Fr. CRIT, Dr Milind Shah HOD and Mr. Allister D’Silva,**



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**Mr. Abhay Joshi presenting in Online Mode**



**Mr. Allister D'Silva demonstrating the IoT project.**



**Mr. Jayant Kulkarni exploring on the Industry Culture and upcoming opportunities**



**Ms. Prattusha Chatterjee, Counselling the students on ethical values**

*ML*

Staff Coordinator

*SEI*

HOD



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*Vashi, Navi-Mumbai*

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**Brief Activity/Event Report**

**Name of the Department: EXTC: IETE-ETSA**

1. **Name of the Activity/Event** : LaTeX BOOTCAMP
2. **Activity/Event Venue & Date** : 12<sup>th</sup> August 2022
3. **Nature of Participants** : Students of SEM III and V of EXTC Dept.
4. **Number of Participants** :78
5. **Student Coordinator** :Mr. Sarvesh Shinde, Mr Upadhaya
6. **Staff Coordinator** : Prof Mehga Kolhekar and Dr. Prasad Kulkarni
7. **Brief Summary of the Activity/Event (in maximum 500 words):**

**a. Objectives :**

1. To make students aware of the LaTeX Environment
2. To facilitate understanding of using online editor as well as TexStudio
3. To make students learn how to prepare the sample document.

**b. Technical Description :**

Prof Mehga Kolhekar and Dr Prasad Kulkarni were the resource persons to conduct this workshop named LaTeX Bootcamp. Prof Megha began with the introduction of the LaTeX environment. She provided guidance on online editor i.e. Overleaf to prepare the sample document with the same. Prof Megha demonstrated on the one-page document using online editor.

Dr Prasad Kulkarni covered the LaTeX editor used in Windows Environment. He selected TexStudio editor to demonstrate the steps to prepare a sample report in LaTeX. He covered modular approaching including page setup, table of contents etc.

At the end of the session, students were given a task of preparing a small report in LaTeX.

**c. Outcomes :**

**PO 5: Modern tool usage:** This workshop covered the usage of online editor or IDE to prepare documents or report.

Staff Coordinator

HOD



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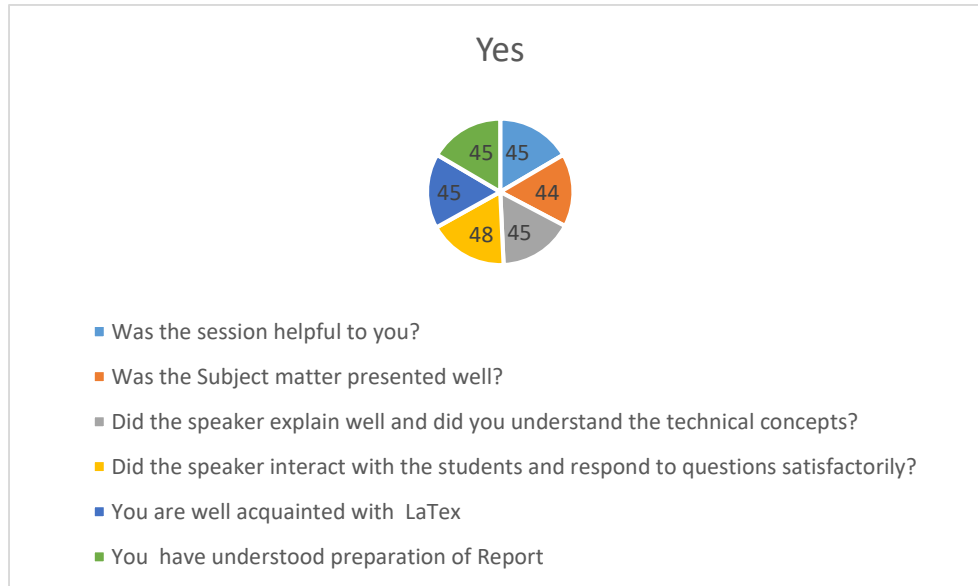
### Vashi, Navi-Mumbai

**PO 10: Communication:** This workshop effectively covered the skill sets to write /prepare effective reports and design documentation for effective presentations and technical documentation.

	Was the session helpful to you?	Was the Subject matter presented well?	Did the speaker/s explain well and did you understand the technical concepts?	Did the speaker/s interact with the students and respond to questions satisfactorily?	You are well acquainted with LaTeX	You have understood preparation of Report
<b>Yes</b>	45	44	45	48	45	45
<b>No</b>	4	3	3	0	5	5
<b>Maybe</b>	2	4	3	3	1	4
<b>Total</b>	51	51	51	51	51	54

**d. Summary of Feedback :**

A feedback on the session was collected and summarised below.



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

The LaTeX environment is recommended for the preparation of Mini Project Report for semester V students.

  
Staff Coordinator

  
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**8. Activity / Event Photograph :**



**Prof Megha and Dr Prasad Conducting a workshop**



**Students of Semester III and V preparing sample document**

Staff Coordinator

HOD





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**Brief Activity/Event Report**

**Name of the Department: EXTC: IETE-ETSA**

1. **Name of the Activity/Event** : PCB Design and Fabrication
2. **Activity/Event Venue & Date** :30<sup>th</sup> July 2022 10.00 am to 1.30 pm
3. **Nature of Participants** : Students of SEM III,V and VII of EXTC Dept.
4. **Number of Participants** :31
5. **Student Coordinator** :- Nil
6. **Staff Coordinator** : Mr Joshua Michael
7. **Brief Summary of the Activity/Event (in maximum 500 words):**

**a. Objectives :**

1. To make students aware of forming layout of PCB and software's that can be used for PCB and layout formation .
2. To comprehend sustainability through ethical living.

**b. Technical Description :**

The event was conducted to make students aware about the design of PCB and various software those are used for layout formation. The students where given hands-on to design a PCB and various procedure to be followed during preparation of PCB.

The speaker Mr Raghunath Patil was felicitate by Mr Joshua M.

**c. Outcomes :**

**PO 7: Environment and sustainability & PO 8: Ethics:** Speaker guided the students on sustainability, ethics and motivated them for ethical living.

**PO 12: Life-long learning:** Speakers covered the current trends in the industry. They also briefed about the expected skill sets of core branch from the students. Finally asked students to find their needs and become a lifelong learner to achieve the requirement of professional career.

**d. Summary of Feedback :**

A random feedback on the session was collected and summarised below.

  
Staff Coordinator

  
HOD



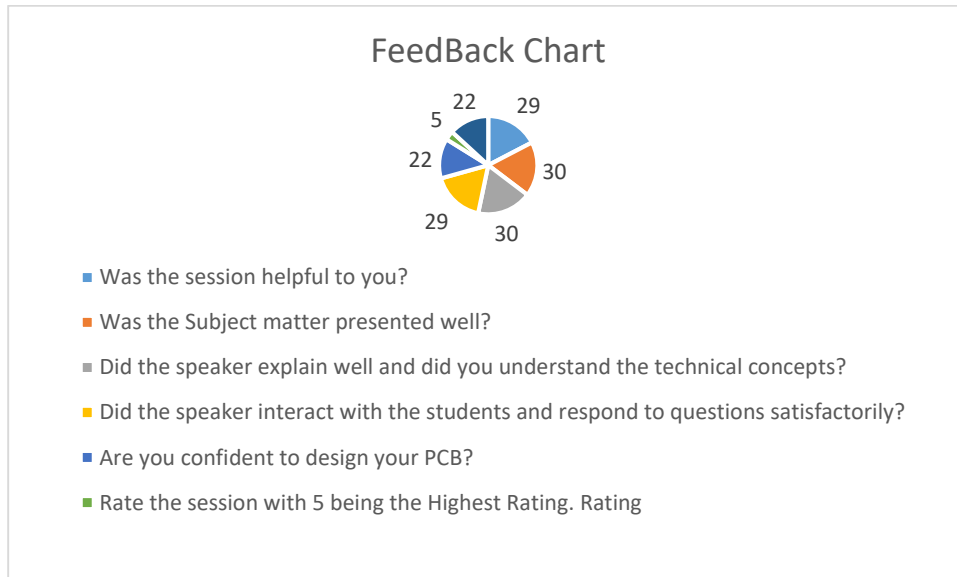


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	Was the session helpful to you?	Was the Subject matter presented well?	Did the speaker explain well and did you understand the technical concepts?	Did the speaker interact with the students and respond to questions satisfactorily?	Are you confident to design your PCB?	Rate the session with 5 being the Highest Rating.	
						Rating	No of students
<b>Yes</b>	29	30	30	29	22	5	22
<b>No</b>	1	1	0	1	0	4	8
<b>Maybe</b>	1	-	1	1	9	3	1
<b>Total</b>	31	31	31	31	31	-	21



**e. Action to be Taken based on Feedback: The event was very fruitful from students understanding and takeaway of the workshop.**

Staff Coordinator

HOD



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**8. Activity / Event Photograph:**



**Theory Session Conducted in Class Room 311**



**Hands on session Practical Session  
conducted in Project Laboratory 1 310**

Staff Coordinator

HOD



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*Vashi, Navi-Mumbai*

**Appreciation Letter**



*ML*

Staff Coordinator

*SEI*

HOD



## IETE-ETSA Students' Forum

### Brief Activity/Event Report

1. **Name of the Activity/Event :**  
 30Hrs LabVIEW based Certification Course\_EXTC\_FH2022.  
 Title: Solutions to Engineering Problems using LabVIEW
2. **Activity/Event Venue & Date:** January till April 2022
3. **Nature of Participants:**  
 Total 20 students from TE Extc, SE-Extc, Electrical and SIES Engg. College  
 \*Brochure, list of participants are available as annexure 1 & 2 in the course file.
4. **Student Coordinator :** Ms. Sayna Bharati and Mr. Anay Lakeshri
5. **Staff Coordinator :**

Prof. Pranali Choudhari	Convener	9833422677
Prof. Yogesh Chandukar	Coordinator	9167110320
Prof. Nilashree Wankhede	Invited Guest	8369353521
Prof. SnehaRevankar	Invited Guest	9987253170

6. **Brief Summary of the Activity/Event (in maximum 500 words):**
  - a. **Objectives :** The course provided opportunity to SE, TE students to enrich their skill set by learning LabVIEW software. Overall development of the student's software skill by knowing sensor interfacing with LabVIEW software for various applications.
  - b. **Technical Description :** 30Hours Certification course organized by EXTC Department of Electronics and Telecommunication Engineering.

**Highlights:** Introduction to virtual instrumentation, Components of LabVIEW, Data flow, Trouble shooting and debugging VI implementing a VI: Tools, pallets, Data Types, variable functions, documenting code, For loop, while loop, case structure etc. were covered under Foundation of LabVIEW course.

Student Coordinator

Staff Coordinator

HOD

SE 1A-5-2022





## IETE-ETSA Students' Forum

Introduction to programming principals in LabVIEW environment, simple design patterns and sub VI design etc. were explained. Signal Processing Applications- Aliasing, digital modulation, Convolution, FFT examples in LabVIEW were taken. LabVIEW platform is tightly integrated suite of industry standard hardware components and software tools for building all kinds of applications.

Timing a VI, Iterative data transfer, plotting data, structures, relating data: arrays, clusters and type definition Common Design Techniques and patterns: Sequential programming, state machines, architectures, events, timing a design pattern and event Programming, Data Management Techniques: Communicating among multiple loops: Variables, functional global variable, race condition, synchronizing data transfer, File I/O techniques: Low, high and advanced, Controlling the user interface, Creating and Distributing applications, CLAD Sample Exam, were covered.

Introduction to NI Graphical System design platform, NI GSD platform in Communication system design , Tutorial : NI Communication System Design Suite with USRP TX-RX platform NI GSD platform in Integrated Circuits Education, Tutorial: NI Multisim introduction, ELVIS & LabVIEW platform for integrated circuits education, Case Study & Success story.

LabVIEW Applications in Instrumentation and DAQ card interfacing: hands-on practice of sensor and DAQ card interfacing with LabVIEW and live demonstration of applications –Interfacing of temperature, humidity, pressure, flow sensors with DAQ cards and acquire sound and sound measurement, and flow measurement etc. Signal processing VI tools used in instrumentation applications were demonstrated and learned.

\*Executed sessions schedule is available as annexure 3 in the course file.

\*Attendance record copies are available as annexure 4 in the course file.

MCQ quiz tests were conducted on a different topics during the course.

\*Sample MCQ Quiz and responses are available as annexure 5 in the course file.

**C. Outcomes** : After completing the course , student will be able –

- to learn basic knowledge of virtual instrumentation using LabVIEW to solve engineering problems.
- to analyse the problem statement and identify the sensors, methodologies that suits the requirement.
- To design VI in labVIEW to interface NI devices to meet the specified needs and visualization.

Students Coordinator

Staff Coordinator

HOD

SE 19-5-22



## IETE-ETSA Students' Forum

- To select modern engineering tools from pallets to construct VI using appropriate techniques necessary for solving engineering problems.
- To function on multi-disciplinary teams in the area of automation.
- To keep updating the acquired LabVIEW skills in long term to solve engineering problems using LabVIEW Technologies.

**d. Summary of Feedback: Feedback using Questionnaire in MS Form was taken.**

Feedback based on questions were asked and 100% of students expressed their views in the feedback. This course targeted program outcomes: PO1( Acquire basic knowledge, PO2( Analysis),PO3( design aspects), PO5( Modern tools usage) and PO12 (Lifelong Learning). These POs are **getting mapped with this activity and based on feedback the attainment level for the above PO's is 2.8.**

\*Student's feedback summary is available as annexure 6 in the course file.

- e. Action to be taken based on Feedback:** Some students requested to **have more hands on sessions, offline mode, and capstone projects** as per the suitable time. All care will be taken in next proposed 30 hrs. certification program by the committee.

**f. Certificate:**

Overall experience of this course was indeed very informative and inspiring to execute projects. It gave students the opportunity of learning about the working of LabVIEW software, DAQ card and sensor interfacing and detailed observation of relevant technical aspects and processes.

After successful completion of the course the certificates issued to the participants during the Valedictory function on 13<sup>th</sup> May 2022.

\*All certificate copies are available as annexure 7 in the course file.

**7. Activity / Event Photograph :**

Student Coordinator

Staff Coordinator

HOD

SEI  
19-5-22





## IETE-ETSA Students' Forum



Student Coordinator

*Sajant*

Staff Coordinator

*[Signature]*

HOD

*SEJ*

19-5-27





# Fr. C. Rodrigues Institute of Technology

Department of Electronics & Telecommunication Engineering

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

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Website: www.fcrit.ac.in



## IETE-ETSA Students' Forum

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

Department of Electronics and Telecommunication Engg. invites you to the

Valedictory Function of 30 HRS  
LabVIEW CERTIFICATION COURSE on  
"SOLUTION TO ENGINEERING PROBLEMS USING LabVIEW"

conducted by Department of Electronics and Telecommunication Engg.  
AND  
Rank Wise CERTIFICATE DISTRIBUTION of BEST PROJECTS of the Department

**Invited Guest :**  
Mr. Akshay Aghase, DroneAcharya  
Aerial Innovations, PUNE

**Date & Time :** 13th May, 2022 at 10AM  
**Venue :** Seminar Hall, 1st floor

**Contact:**  
Dr. Pranali Choudhari  
(Course Convener)  
Mr. Yogesh Chandurkar  
(Course and Project Co-ordinator)



**LabVIEW**



**Agnel Charities**

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

**Certification Program on**  
**"Solutions to Engineering Problems using LabVIEW"**



**LabVIEW**

Student Coordinator  
*Sejwal*

Staff Coordinator  
*[Signature]*

HOD  
*[Signature]*  
19-5-22



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**Department of Electronics & Telecommunication Engineering**

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Website: www.fcrit.ac.in

**IETE-ETSA Students' Forum**





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

**CERTIFICATE  
 OF PARTICIPATION**

IS PRESENTED TO :

Anay Lkeshvi, FCRIT, Vashi

for Successfully completing 30 Hours Certification Course on "Solutions to Engineering Problems using LabVIEW", conducted by Department of Electronics and Telecommunication Engineering, Fr. C. Rodrigues Institute of Technology, Vashi during First/Second half of 2022 .

  
 Dr. Pranali Choudhari  
COURSE COORDINATOR

  
 Mr. Yogesh Chandurkar  
TECHNICAL COORDINATOR

  
 Dr. Milind Shah  
TECHNICAL COORDINATOR



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

**CERTIFICATE  
 OF PARTICIPATION**

IS PRESENTED TO :

Dayana Bharati, FCRIT Vashi

for Successfully completing 30 Hours Certification Course on "Solutions to Engineering Problems using LabVIEW", conducted by Department of Electronics and Telecommunication Engineering, Fr. C. Rodrigues Institute of Technology, Vashi during First/Second half of 2022 .

  
 Dr. Pranali Choudhari  
COURSE COORDINATOR

  
 Mr. Yogesh Chandurkar  
TECHNICAL COORDINATOR

  
 Dr. Milind Shah  
TECHNICAL COORDINATOR



\*All certificate copies are available as annexure 7 in the course file.

Student Coordinator

Staff Coordinator

HOD

SEI  
17-5-21



# Fr. C. Rodrigues Institute of Technology

Department of Electronics & Telecommunication Engineering

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Website: www.fcrit.ac.in

## IETE-ETSA Students' Forum



### Brief Activity/Event Report

- 1 **Activity/Event Venue & Date:** Hands on Laboratory EDC,DSD,EIC and mini project. dated 3/1/2022 and 4/1/2022
- 2 **Nature of Participants:** Students of Electronics and Telecommunication Department
- 3 **Number of Participants:** 68 students
- 4 **Student Coordinator:** Ms. Sayana Bharti and Sarvesh Mahajan .
- 5 **Staff Coordinator:** Mrs. Smita Chopde
- 6 **Brief Summary of the Activity/Event (in maximum 500 words):**
  - a. **Objectives:** Overall development of the students through laboratory performance in off line mode.
  - b. **Technical Description:** A department level hands-on workshop on various experiments in off line mode for Electronic Devices and Circuits, DSD, Electronic instruments and Control System was conducted to give hands on to the hardware experiments in laboratory.
  - c. **Activities:**
    1. The hands on was conducted in association with lab assistants for Electronic Devices and Circuits. The students were involved in conducting the experiments on basics characteristics of transistor, mosfet differential amplifier.
    2. Dr Pranali Choudhari madam conducted workshop on Introduction to components and equipment Latter students continued to perform experiments and understand the use of components and various equipment to perform experiments on RTD LDR and how to use various equipment to carry the experiments on these devices.
    3. Mrs Anita Jadhav and Mrs Nelashree W conducted laboratory experiments in DSD by introducing and

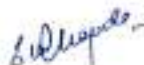
Sayana Bharti

Sarvesh  
Shindhe

IETE

ETSA

Student Coordinator

  
Smita Chopde

Staff Coordinator



Dr. Milind Shah

HOD

# Fr. C. Rodrigues Institute of Technology

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### IETE-ETSA Students' Forum



identifying Integrated Circuits like AND gate NAND gate OR Gate, NOR gate, EXOR Gate EX AND Gate etc. Students learn the applications these IC's for building digital circuits required for the hardware design of the various digital electronic applications.

4. The students later involved in Mini Project workouts selected by them in the Project Lab 1 and 2 respectively from 1.30 pm to 4.30 pm.

- d Outcomes:
1. It helped them understand the modern tool usage (PO5).
  2. It helped them understand the process for design of solutions (PO3).
  3. It also helped students to apply the engineering knowledge and the techniques learnt by them during hands on in practice to construct small circuits required for daily handling applications (PO1 and PO2)
- e Summary of Feedback:
- PO5 (Modern tools), with level 2.5, PO9 (Individual and Team Work) with level 2.5, PO10 (Communication) with level 2.5, PO12 (lifelong learning) with level 2.8.
- f Action to be Taken based on Feedback:
- Based on the positive feedback we can consider keeping similar events in the future.

#### 7 Activity / Event Photograph

Sayana Bharti

Sarvesh  
Shindhe

IETE

ETSA

Student Coordinator

  
Smita Chopde

Staff Coordinator



Dr. Milind Shah

HOD

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## IETE-ETSA Students' Forum



FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY (VASHI)  
ATTENDANCE SHEET - Second Half of 2021  
Dept. of Electronics & Telecommunication Engineering

Attendance Sheet for College Faculty

Sl. No.	ROLL NO.	NAME	DATE	TIME	MARKS	DATE	TIME	MARKS
BATCH - I				BATCH - II				
1	202101	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
2	202102	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
3	202103	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
4	202104	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
5	202105	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
6	202106	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
7	202107	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
8	202108	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
9	202109	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
10	202110	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
11	202111	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
12	202112	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
13	202113	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
14	202114	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
15	202115	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
16	202116	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
17	202117	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
18	202118	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
19	202119	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
20	202120	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100

FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY (VASHI)  
ATTENDANCE SHEET - Second Half of 2021  
Dept. of Electronics & Telecommunication Engineering

Attendance Sheet for College Faculty

Sl. No.	ROLL NO.	NAME	DATE	TIME	MARKS	DATE	TIME	MARKS
BATCH - I				BATCH - II				
1	202121	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
2	202122	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
3	202123	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
4	202124	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
5	202125	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
6	202126	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
7	202127	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
8	202128	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
9	202129	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
10	202130	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
11	202131	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
12	202132	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
13	202133	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
14	202134	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
15	202135	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
16	202136	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
17	202137	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
18	202138	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
19	202139	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100
20	202140	ADARSH BILGA	30/08/21	10:00 AM	100	30/08/21	10:00 AM	100

Attendance record Mini Project

Sayana Bharti

Sarvesh Shindhe

IETE

ETSA

Student Coordinator

Smita Chopde

Dr. Milind Shah

Staff Coordinator

HOD





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## IETE-ETSA Students' Forum



Attendance Record of EDCL

Attendance Record of EICS Laboratory

Attendance Record of DSDL Laboratory

Sayana Bharti

Sarvesh Shindhe

*Smita Chopde*

*SEL*

IETE

ETSA

Smita Chopde

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Seminar Conducted on Introduction to Instruments and Components

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Sarvesh Shindhe

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## IETE-ETSA Students' Forum

### Brief Activity/Event Report

- 1 **Activity/Event Venue & Date:** Brainbrawl/ Microsoft Teams, 07<sup>th</sup> September 2021
- 2 **Nature of Participants** Students of Electronics and Telecommunication Department
- 3 **Number of Participants** 43 students
- 4 **Student Coordinator** Mr. Chetan Velonde (IETE) and Mr. Abhinav Jha (ETSA).
- 5 **Staff Coordinator** Mrs. Sneha Revankar
- 6 **Brief Summary of the Activity/Event (in maximum 500 words):**
  - a. **Objectives** Overall development of the students through co-curricular and extra-curricular activities
  - b. **Technical Description** A department level event Brainbrawl was conducted with the main idea to test the knowl.
  - c. **Activities:**

**Stage 1: Quiz Based round:**

Each team had to give an online quiz which covered all the basics of subjects such as Engineering physics, Mechanics, Engineering chemistry, BEE, etc. The quiz was organized on the platform of Quizizz. For qualifying into the next round, each team had to perform their best and be in the top ranks of the leaderboard.

**Stage 2: Software Implementation round:**

All the teams qualifying for this round were given simple tasks and problem which needed to be solved using various online simulation or modelling software for various purpose such as Octave, LTspice, Autodesk Eagle, EasyEDA, Proteus, etc. The problems also including basic coding questions in python and C++ language. The teams were asked to submit the screenshot as well as video of the acquired output. The team were given proper guidelines regarding the outputs they acquire. After the teams have solved the allotted problems, they were provided an online form, which collected all the screenshots and the video recording of the outputs. The team to

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## IETE-ETSA Students' Forum

solve the greatest number of problems in minimum amount of time qualified for the third and the final round of the event.

### Stage 3: Fastest Finger round:

For stage 3, the qualifying teams had to compete against each other as well as time to answer each question asked correctly to win the contest. This stage was conducted on the platform of Mentimeter. Any one member of the team was asked to log into the game and then the timer started. The team with most number of points wins the complete event.

#### d Outcomes

1. Students were able to demonstrate their interpersonal skills as well as practically apply the knowledge learned in classroom.
2. Students were able to exhibit qualities such as co-operation, trust, and healthy competition.

#### e Summary of Feedback

1. Students believed it helped them communicate and explore their logical as well as analytical thinking effectively.
2. The feedback conducted online targeted the following program outcomes (mapped out of 3): PO1(knowledge) scaled to 2.25, PO10(communication) mapped to 2.39, PO9(individual and team efficiency) was scored 2.60.

#### f Action to be Taken based on Feedback:

1. Students believed the event was well organised.
2. Students also believe that it helped them understand the importance of interpersonal skills.

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## IETE-ETSA Students' Forum

### 7 Activity / Event Photograph



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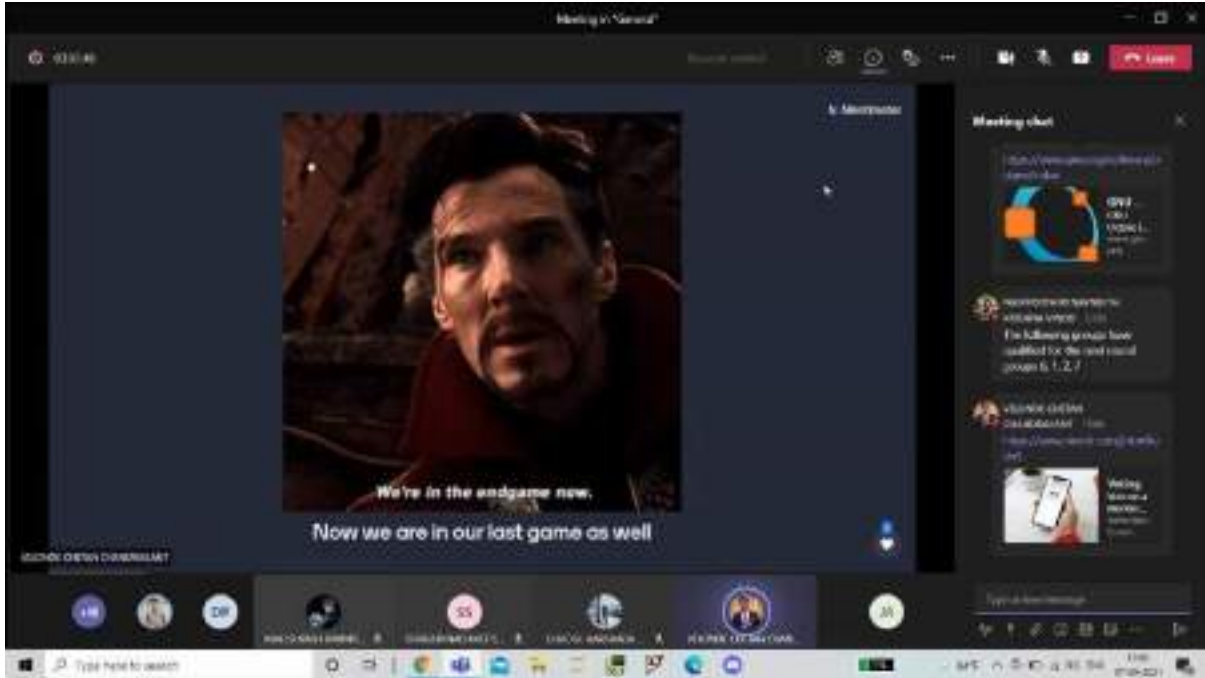
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## IETE-ETSA Students' Forum

### Brief Activity/Event Report

- 1 **Activity/Event Venue & Date:** Codigo/ Microsoft Teams, Hackerrank, 07<sup>th</sup> September 2021
- 2 **Nature of Participants** Students of Electronics and Telecommunication Department
- 3 **Number of Participants** 35 students
- 4 **Student Coordinator** Mr. Chetan Velonde (IETE) and Mr. Abhinav Jha (ETSA).
- 5 **Staff Coordinator** Mrs. Sneha Revankar
- 6 **Brief Summary of the Activity/Event (in maximum 500 words):**
  - a. **Objectives** Overall development of the students through co-curricular and extra-curricular activities
  - b. **Technical Description** A department level event Codigo was conducted to improve the way students interact with each other in a team of two present on their coding skills. The students were expected to showcase their technical knowledge as well as coding skillset within given time limit. The students were judged based on their ability to answer within the given time frame.
  - c. **Activities:**

**Stage 1: Technical Quiz:**

A quiz was provided in which the teams were need to solve it in stipulated amount of time. The cumulative score of both the team members were considered. Both the team members had option of selecting different languages for giving the quiz. No elimination was made during this round.

**Stage 2: Hackathon Stage A:**

The objective for this event was only one member of the team was made be on hackerrank while the other team member was made to help. The same question was shared with another member on whatsapp so that both members communicated and solved questions together with each other. Duration of the round was

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made for 30 minutes. Round 1 and Round 2 scores were cumulatively considered for shortlisting teams to qualify for round 3.

### Stage 3: Hackathon Stage B:

The test was conducted on hackerrank and duration of the round was made of 60 minutes. One member of the team was allowed to be on the platform of hackerrank while the other member was made to help via any platform. The event consisted of 2 rounds both lasting for 50 minutes. The groups were divided into two and then accordingly the set of questions were presented to the groups for first round.

- |          |                                              |                                                                                                                                                                                                                                                                                                                                                                                           |
|----------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>d</b> | <b>Outcomes</b>                              | <ol style="list-style-type: none"><li>1. Students were able to demonstrate their technical and coding skillset successfully.</li><li>2. Students were able to exhibit qualities such as co-operation, trust, team-building and healthy competition.</li></ol>                                                                                                                             |
| <b>e</b> | <b>Summary of Feedback</b>                   | <ol style="list-style-type: none"><li>1. Students believed it helped them communicate effectively.</li><li>2. The feedback conducted online targeted the following program outcomes (mapped out of 3): PO1(knowledge) scaled to 2.47, PO10(communication) mapped to 2.47, PO9(individual and team efficiency) was scored 2.55, while PO11(project management) levelled to 2.25.</li></ol> |
| <b>f</b> | <b>Action to be Taken based on Feedback:</b> | <ol style="list-style-type: none"><li>1. Students believed the event was well organised.</li><li>2. Students also believe that it helped them understand the importance of technical skills.</li></ol>                                                                                                                                                                                    |

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**7 Activity / Event Photograph**



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**IETE-ETSA Students' Forum**



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HackerRank PREPARE CERTIFY COMPLETE APPLY

Home > Round 2 (7/20/20) >

### Submissions

Problem	Team	ID	Language	Time	Result	Score	Status	During Contest	
Round 2 (7/20/20) Q1	juvrajgill	1336382586	Python	744	Wrong Answer	0	<input type="checkbox"/>	No	<a href="#">View</a>
Round 2 (7/20/20) Q1	shrutichauhan	1336382984		717	Accepted	23	<input checked="" type="checkbox"/>	No	<a href="#">View</a>
Round 2 (7/20/20) Q1	agasthmak2001	1336382589	Python	718	Wrong Answer	0	<input type="checkbox"/>	No	<a href="#">View</a>
Round 2 (7/20/20) Q1	anvika2020	1336382588	Python	718	Wrong Answer	0	<input type="checkbox"/>	No	<a href="#">View</a>
Round 2 (7/20/20) Q1	anvika2020	1336382587		718	Compilation error	0	<input type="checkbox"/>	No	<a href="#">View</a>
Round 2 (7/20/20) Q2	anvika	1336381586	Python	1776	Accepted	22	<input checked="" type="checkbox"/>	No	<a href="#">View</a>

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## IETE-ETSA Students' Forum

### Brief Activity/Event Report

- 1 **Activity/Event Venue & Date:** Drishya/ Microsoft Teams, 18<sup>th</sup> September 2021
- 2 **Nature of Participants** Students of Electronics and Telecommunication Department
- 3 **Number of Participants** 34 students
- 4 **Student Coordinator** Mr. Chetan Velonde (IETE) and Mr. Abhinav Jha (ETSA).
- 5 **Staff Coordinator** Mrs. Sneha Revankar
- 6 **Brief Summary of the Activity/Event (in maximum 500 words):**
  - a. **Objectives** Overall development of the students through co-curricular and extra-curricular activities
  - b. **Technical Description** A department level event Drishya was conducted with one aim in mind, to encourage free thinking for expressing knowledge in form a visual presentation. The students were asked to form a team of 3-4 and then make a poster and present the same in front of the audience and the jury members. The students were given complete freedom to choose any of the technical domain ranging from Internet of Things to Cybersecurity, etc.
  - c. **Activities:** For the event, the team of 3 to 4 students was required for participating in the event. The team were asked to make a comprehensive poster to explain a particular technical domain which can be any one of the following:
    - Internet of things
    - Artificial Technology
    - Computer Vision
    - 5G Technology
    - Edge Computing
    - Machine Learning
    - Blockchain
    - Robotics
    - Cybersecurity

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## IETE-ETSA Students' Forum

- Data Science
- Quantum Computing

The teams had to register for the event by filling an online form. They also had to specify the topic of their choice. On the day of the competition, the teams had to submit their poster prior to the start and then present the poster and explain the same to the audience as well as the judges. Each team had 5 minutes time for Presentation and another 5 minutes for Question-and-answer section from the judges as well as the audience. The posters were judged on the following parameters:

- Ability to Stand Alone: The poster should be able to stand alone as a clear communication of the project without the team present.
- Balance: Text, figures, and space should all be balanced on the poster. Excessive writing should be avoided.
- Creativity: The poster should demonstrate the team members' creative side in order to present some information.
- Conciseness: The poster's material should be prepared in a technical manner.
- Flow: The information on the poster should be presented in a logical order. The reader should be able to easily browse across the poster.
- Accuracy of Information Presented: The poster's scientific content should be correct. The poster demonstrates the team's STEM literacy.
- Presentation skills: Judges may gain insight into the details of the poster presentations. In-depth queries should be able to be answered by the team. This chance allows judges to determine whether teams have a thorough understanding of the domain.

### d Outcomes

1. Students were able to demonstrate their technical and coding skillset successfully.
2. Students were able to exhibit qualities such as co-operation, trust, team-building and healthy competition.

### e Summary of Feedback

1. Students believed it helped them communicate effectively.

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**f Action to be Taken  
based on Feedback:**

2. The feedback conducted online targeted the following program outcomes (mapped out of 3): PO1(knowledge) scaled to 2.45, PO10(communication) mapped to 2.37, PO9(individual and team efficiency) was scored 2.25, while PO11(project management) levelled to 2.35.

1. Students believed the event was well organised.
2. Students also believe that it helped them understand the importance of technical skills.

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Student Coordinator

Abhinav Jha  
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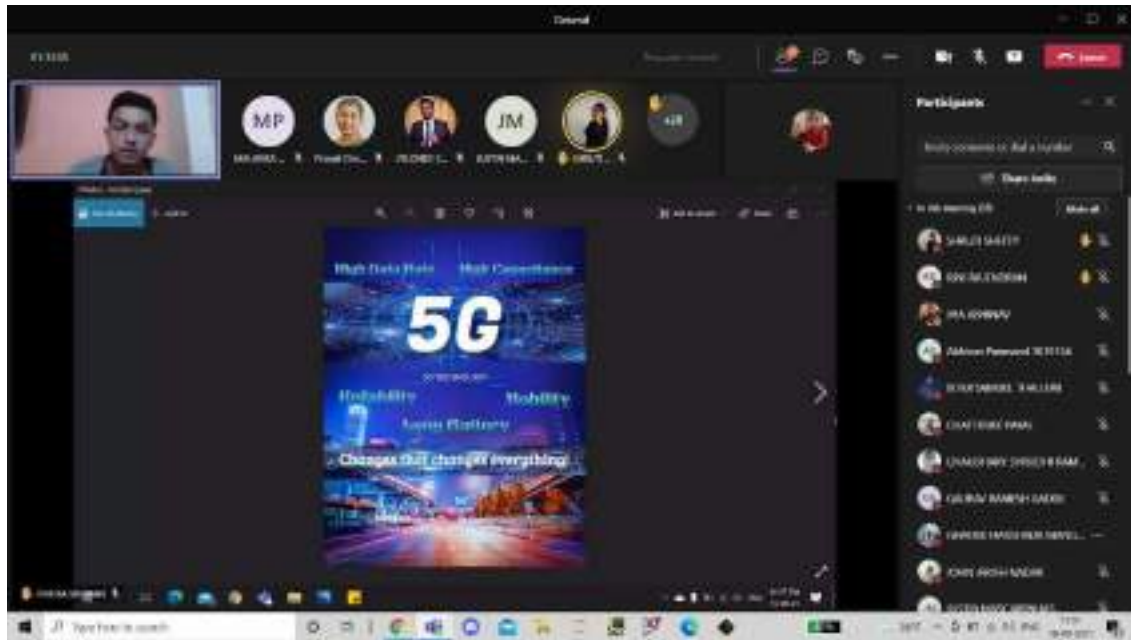
Staff Coordinator

HOD



## IETE-ETSA Students' Forum

### 7 Activity / Event Photograph



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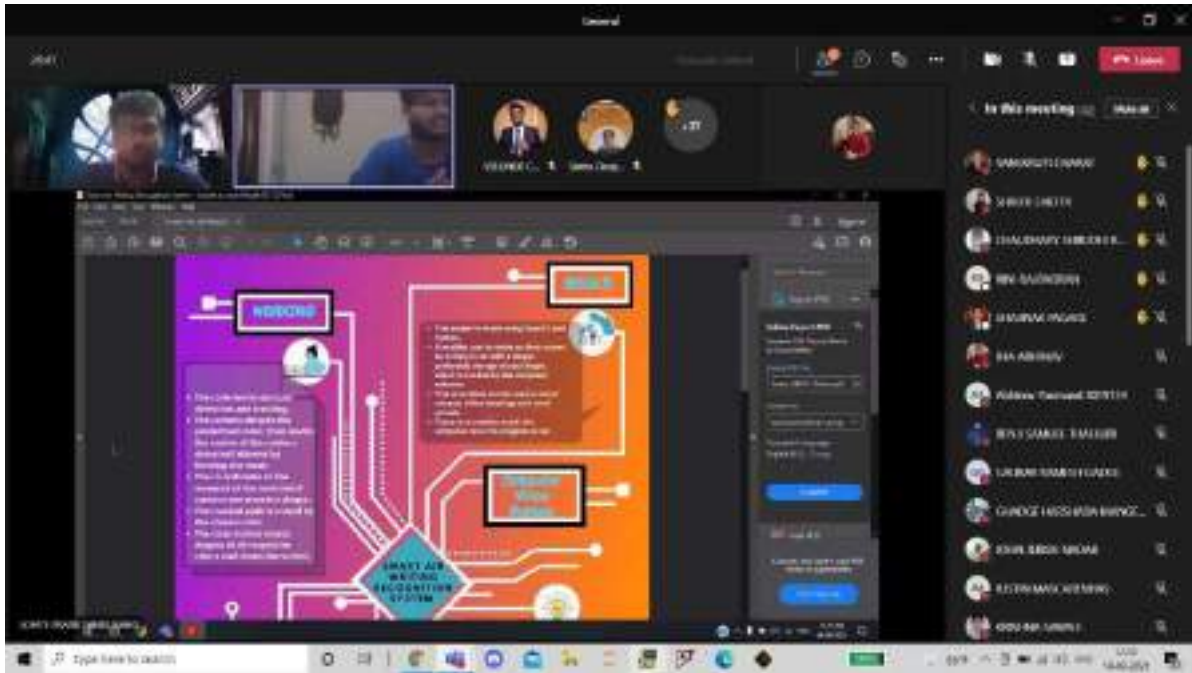
Staff Coordinator

HOD

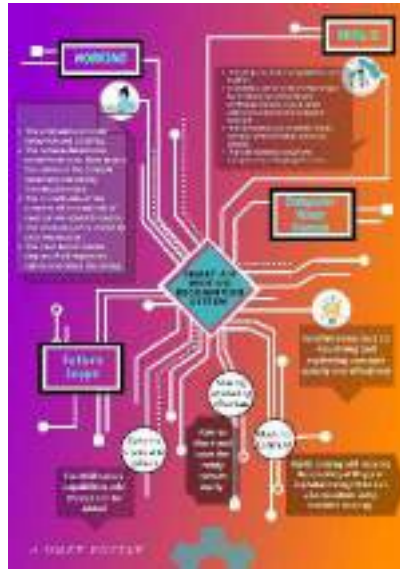




## IETE-ETSA Students' Forum



### 8. Submissions done by the students:



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## IETE-ETSA Students' Forum

### Brief Activity/Event Report

- 1 **Activity/Event Venue & Date:** Equivocal/ Microsoft Teams, Google Meet, 07<sup>th</sup> September 2021
- 2 **Nature of Participants** Students of Electronics and Telecommunication Department
- 3 **Number of Participants** 28 students
- 4 **Student Coordinator** Mr. Chetan Velonde (IETE) and Mr. Abhinav Jha (ETSA).
- 5 **Staff Coordinator** Mrs. Sneha Revankar
- 6 **Brief Summary of the Activity/Event (in maximum 500 words):**
  - a. **Objectives** Overall development of the students through co-curricular and extra-curricular activities
  - b. **Technical Description** A department level event Equivocal was conducted to improve the way students interact with each other and present themselves in a crowd to stand unique. The students were expected to showcase their technical knowledge as well as social awareness and alertness. The students were judged based on their knowledge and skills to present themselves in a crowd.
  - c. **Activities:**

**Stage 1: Video Round:**

A team of 2 students were shown 3 videos and then were asked to solve a quiz based on the video shown. The participants were given a limited amount of time to solve the quiz.

**Stage 2: Taboo Round:**

The main objective of the game was that one member of the team had to guess the word by clues given by the other member with one condition, that he/she cannot speak while providing the clues. The objective was clear and simple which was to bolster co-operation and trust among the team members.

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## IETE-ETSA Students' Forum

### Stage 3: Extempore:

Each student was given a 2-minute time to speak on a particular topic. The topic of the extempore was completely technical and allotted to the students by the organizers itself.

### Stage 4: Technical Debate

A team of 2 students were paired using fair coin toss. The students were given 10 minutes prior the round for preparation purpose.

#### d Outcomes

1. Students were able to demonstrate their interpersonal skills successfully.
2. Students were able to exhibit qualities such as co-operation, trust, and healthy competition.

#### e Summary of Feedback

1. Students believed it helped them communicate effectively.
2. The feedback conducted online targeted the following program outcomes (mapped out of 3): PO1(knowledge) scaled to 2.47, PO10(communication) mapped to 2.47, PO9(individual and team efficiency) was scored 2.55, while PO11(project management) levelled to 2.25.

#### f Action to be Taken based on Feedback:

1. Students believed the event was well organised.
2. Students also believe that it helped them understand the importance of interpersonal skills.

#### 7 Activity / Event Photograph

.... Next page

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## IETE-ETSA Students' Forum

### 1. Screenshots of the event



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## IETE-ETSA Students' Forum

### Brief Activity/Event Report

- 1 **Activity/Event Venue & Date:** Perspectives of Semiconductor Technology, Fabrication, Research and Job Opportunities in VLSI Design Microsoft Teams, 18<sup>th</sup> September 2021
- 2 **Nature of Participants:** Students of Electronics and Telecommunication Department
- 3 **Number of Participants:** 120 students
- 4 **Student Coordinator:** Mr. Chetan Velonde (IETE) and Mr. Abhinav Jha(ETSA).
- 5 **Staff Coordinator:** Mrs. Sneha Revankar
- 6 **Brief Summary of the Activity/Event (in maximum 500 words):**
  - a. **Objectives:** Overall development of the students through co-curricular and extra-curricular activities
  - b. **Technical Description:** A department level expert talk was scheduled on Perspectives of Semiconductor Technology, Fabrication Research and Job Opportunities in VLSI Design was conducted covering a vast range of topics such as fabrication Architecture, Core building blocks of VLSI Design, Importance and key differences between VLSI Design and Electronics and its applications. Opportunities of this field in IIT Bombay was discussed in planned manner. The details of project conversion into product was also discussed very systematically.

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## IETE-ETSA Students' Forum

- c Activities:**
1. The workshop was conducted by Dr Ashwini Rajarushi a faculty from IIT Bombay. The workshop started with the basics of MOSFETS.
  2. The speaker then proceeded on to give a basic overview of Scaling, Fabrication and thereby give details of features available on it.
  3. Students were explained concepts of product development, its building blocks, procedures and final launch of it.
  4. The students were later involved in designing a health monitoring application and were guided systematically in a step by step process in the online medium.
- d Outcomes:**
1. It helped them understand the modern tool usage(PO5).
  2. It helped them understand the process for design of solutions (PO3).
- e Summary of Feedback:**
- PO5 (Modern tools), with level 2.5, PO9 (Individual and Team Work) with level 2.5, PO10 (Communication) with level 2.5, PO12 (lifelong learning) with level 2.8.
- f Action to be Taken based on Feedback:**
- Based on the positive feedback we can consider keeping similar events in the future and students wanted to see CEN Lab of IIT Bombay.
- 7 Activity / Event Photograph**

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## IETE-ETSA Students' Forum



1. Overview of VLSI Design Technology



2. Research areas of VLSI Design

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## IETE-ETSA Students' Forum



3. CEN Lab at IIT Bombay



4. Future Innovation Areas

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## IETE-ETSA Students' Forum

### Brief Activity/Event Report

- 1 **Activity/Event Venue & Date:** Perspectives of Semiconductor Technology, Fabrication, Research and Job Opportunities in VLSI Design Microsoft Teams, 18<sup>th</sup> September 2021
- 2 **Nature of Participants:** Students of Electronics and Telecommunication Department
- 3 **Number of Participants:** 120 students
- 4 **Student Coordinator:** Mr. Chetan Velonde (IETE) and Mr. Abhinav Jha(ETSA).
- 5 **Staff Coordinator:** Mrs. Sneha Revankar
- 6 **Brief Summary of the Activity/Event (in maximum 500 words):**
  - a. **Objectives:** Overall development of the students through co-curricular and extra-curricular activities
  - b. **Technical Description:** A department level expert talk was scheduled on Perspectives of Semiconductor Technology, Fabrication Research and Job Opportunities in VLSI Design was conducted covering a vast range of topics such as fabrication Architecture, Core building blocks of VLSI Design, Importance and key differences between VLSI Design and Electronics and its applications. Opportunities of this field in IIT Bombay was discussed in planned manner. The details of project conversion into product was also discussed very systematically.

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Student Coordinator

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### c Activities:

1. The workshop was conducted by Dr Ashwini Rajarushi a faculty from IIT Bombay. The workshop started with the basics of MOSFETS.
2. The speaker then proceeded on to give a basic overview of Scaling, Fabrication and thereby give details of features available on it.
3. Students were explained concepts of product development, its building blocks, procedures and final launch of it.
4. The students were later involved in designing a health monitoring application and were guided systematically in a step by step process in the online medium.

### d Outcomes:

1. It helped them understand the modern tool usage(PO5).
2. It helped them understand the process for design of solutions (PO3).

### e Summary of Feedback:

PO5 (Modern tools), with level 2.5, PO9 (Individual and Team Work) with level 2.5, PO10 (Communication) with level 2.5, PO12 (lifelong learning) with level 2.8.

### f Action to be Taken based on Feedback:

Based on the positive feedback we can consider keeping similar events in the future and students wanted to see CEN Lab of IIT Bombay.

### 7 Activity / Event Photograph

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1. Overview of VLSI Design Technology



2. Research areas of VLSI Design

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3. CEN Lab at IIT Bombay



4. Future Innovation Areas

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### Brief Activity/Event Report

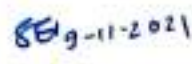
- 1 **Activity/Event Venue & Date:** Frostcode/ Microsoft Teams, Google Meet, 07<sup>th</sup> September 2021
- 2 **Nature of Participants** Students of Electronics and Telecommunication Department
- 3 **Number of Participants** 44 students
- 4 **Student Coordinator** Mr. Chetan Velonde (IETE) and Mr. Abhinav Jha (ETSA).
- 5 **Staff Coordinator** Mrs. Sneha Revankar
- 6 **Brief Summary of the Activity/Event (in maximum 500 words):**
  - a. **Objectives** Overall development of the students through co-curricular and extra-curricular activities
  - b. **Technical Description** A department level event Frostcode was conducted to improve the way students interact with each other in a team of two present on their coding skills. The students were expected to showcase their technical knowledge as well as coding skillset within given time limit. The students were judged based on their ability to answer within the given time frame
  - c. **Activities:** The event will consist of 2 rounds both lasting for 50 minutes. All the groups were divided into two and then accordingly the set of questions were presented to the groups for first round. The participants participating in the 1st round would have to solve the questions using the specified language only otherwise they were to be disqualified. The participants were made free to use the internet to search up the syntaxes required to solve the questions. For submissions, the participants were made to record their screen while executing the code and upload it in the google form provided. Only one submission per group was allowed. The first 4 groups that solved the given question from each set were made to be qualified for round 2 i.e., 4 groups from each set would have qualified for the last round. In the last round, the procedure was made to be the same, except there was only be one question and the participants

  
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were made to solve it using the mentioned programming language only.

**d Outcomes**

1. Students were able to demonstrate their interpersonal skills successfully.
2. Students were able to exhibit qualities such as co-operation, trust, team building sprit and healthy competition.

**e Summary of Feedback**

1. Students believed it helped them communicate effectively.
2. The feedback conducted online targeted the following program outcomes (mapped out of 3): PO1(knowledge) scaled to 2.47, PO10(communication) mapped to 2.47, PO9(individual and team efficiency) was scored 2.55.

**f Action to be Taken  
based on Feedback:**

1. Students believed the event was well organised.
2. Students also believe that it helped them understand the importance of interpersonal skills and technical knowledge.

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### 7 Activity / Event Photograph



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