



Fr. C. Rodrigues Institute of Technology
Department of Electronics & Telecommunication Engineering
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IETE-ETSA Students' Forum

Brief Activity/Event Report

- 1 **Activity/Event Venue & Date:** Brainbrawl/ Microsoft Teams, 07th 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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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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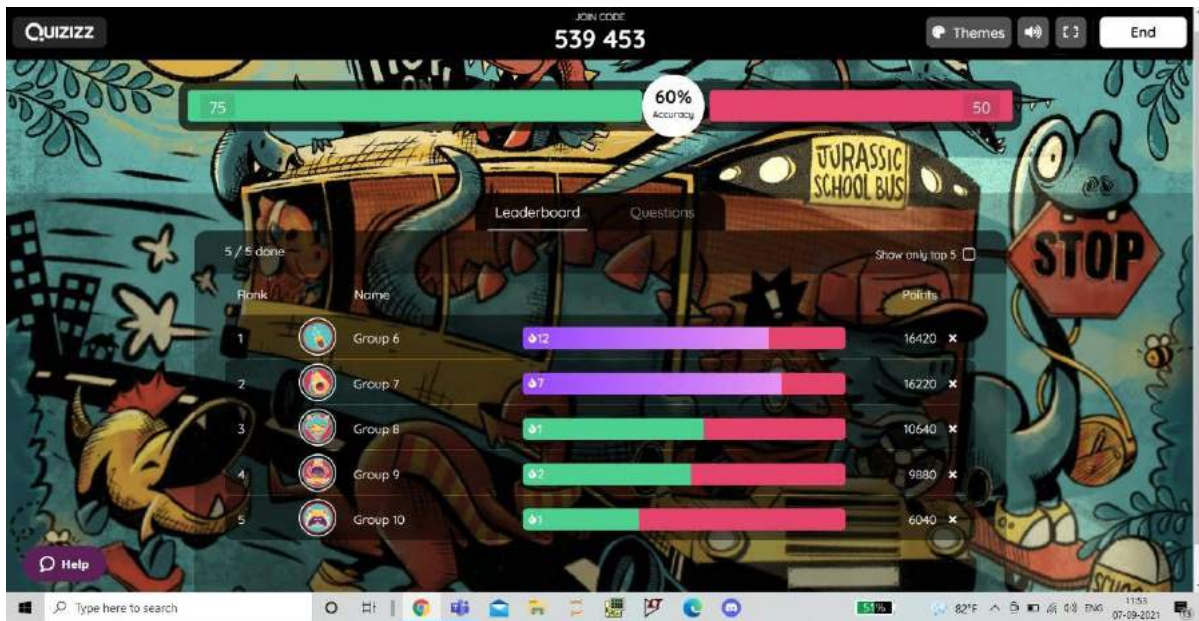
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7 Activity / Event Photograph



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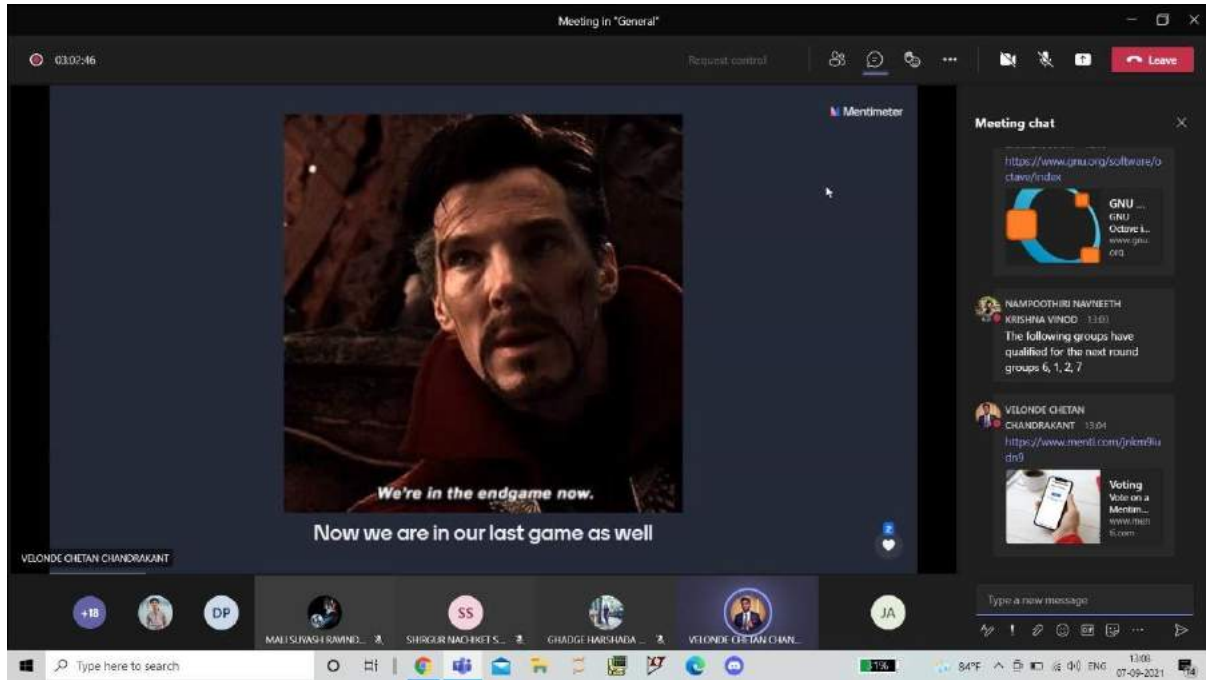
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Brief Activity/Event Report

- 1 **Activity/Event Venue & Date:** Codigo/ Microsoft Teams, Hackerrank, 07th 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.

- | | |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| d Outcomes | <ol style="list-style-type: none">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 | <ol style="list-style-type: none">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: | <ol style="list-style-type: none">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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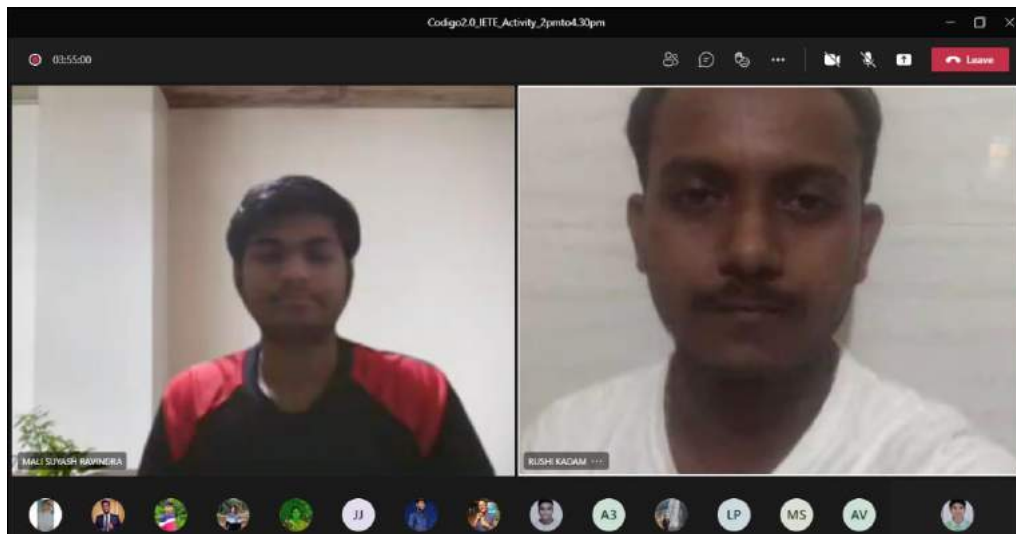
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7 Activity / Event Photograph



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HackerRank PREPARE CERTIFY COMPETE APPLY velondechetan

Contests > Round 2 CODIGO >

Submissions

Problem	Team	ID	Language	Time	Result	Score	Status	During Contest?
Round 2 CODIGO Q1	jishnujp01	133638297	python3	748	Wrong Answer ❌	5	<input type="checkbox"/>	No View
Round 2 CODIGO Q1	shrudhicaudhar1	133638295	python3	747	Accepted ✅	50	<input type="checkbox"/>	No View
Round 2 CODIGO Q1	suyashmali2001	133638262	python3	738	Wrong Answer ❌	10	<input type="checkbox"/>	No View
Round 2 CODIGO Q1	anikaral2020	133638255	python3	736	Wrong Answer ❌	5	<input type="checkbox"/>	No View
Round 2 CODIGO Q1	anikaral2020	1336382352	python3	730	Compilation error	0	<input type="checkbox"/>	No View
Round 2 CODIGO Q2	ashvrv	133634153	python3	-1776	Accepted ✅	35	<input type="checkbox"/>	No View

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Brief Activity/Event Report

- 1 **Activity/Event Venue & Date:** Drishya/ Microsoft Teams, 18th 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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- 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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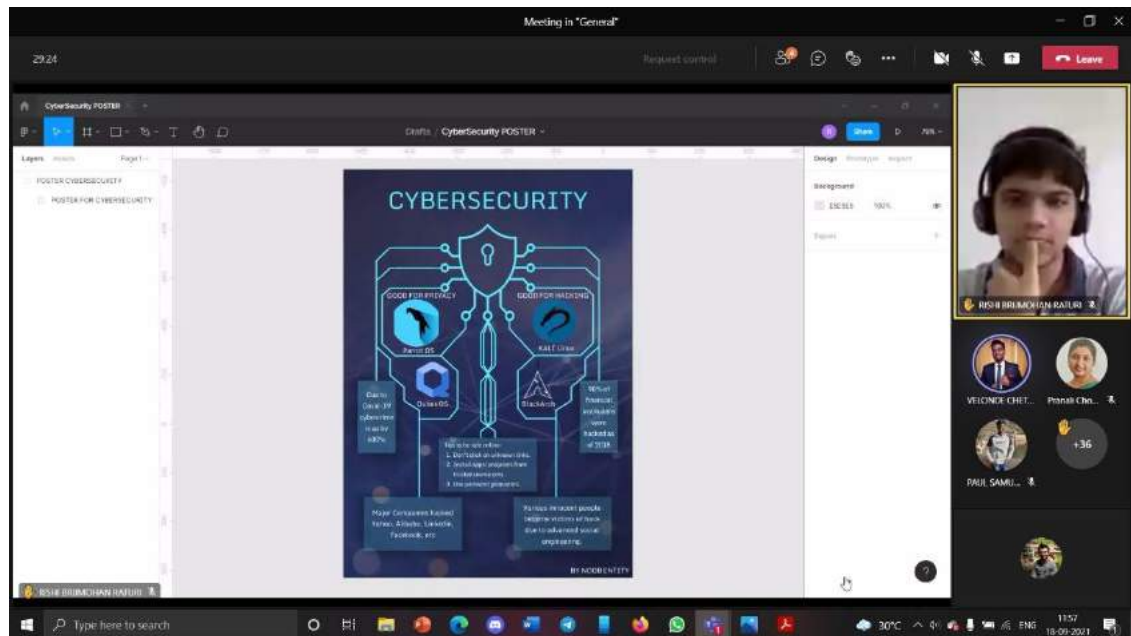
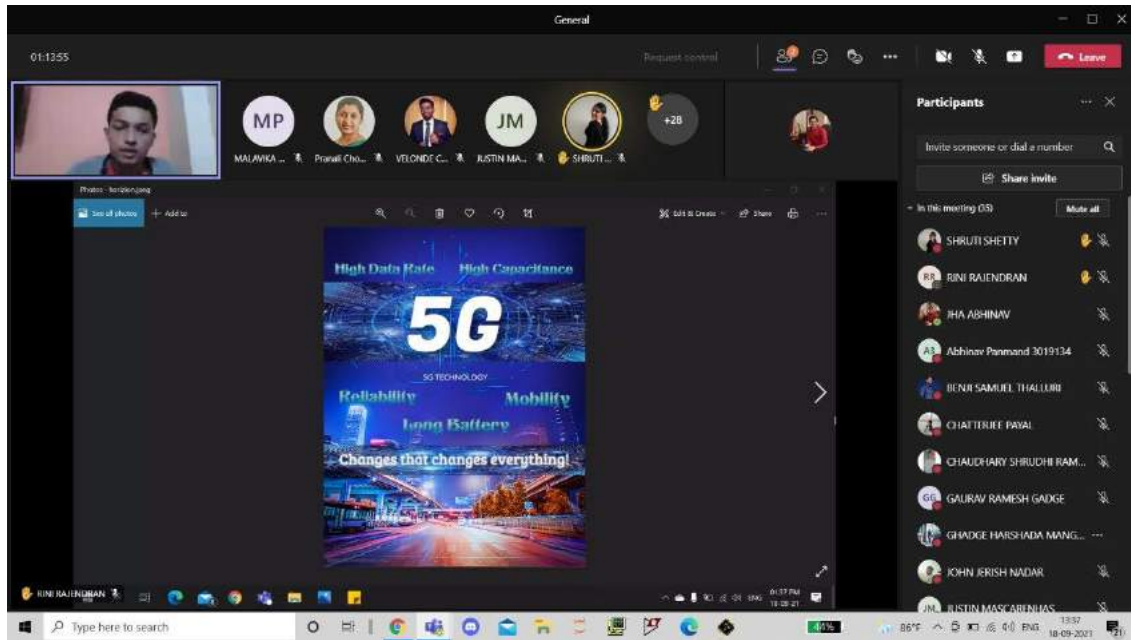
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7 Activity / Event Photograph



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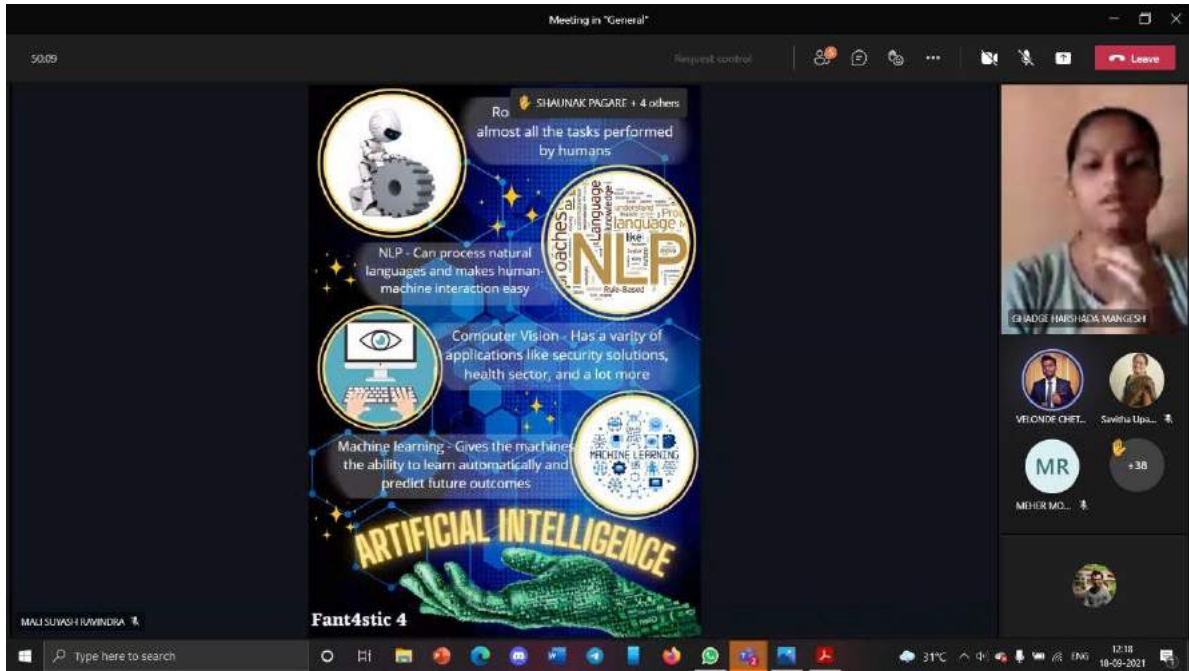
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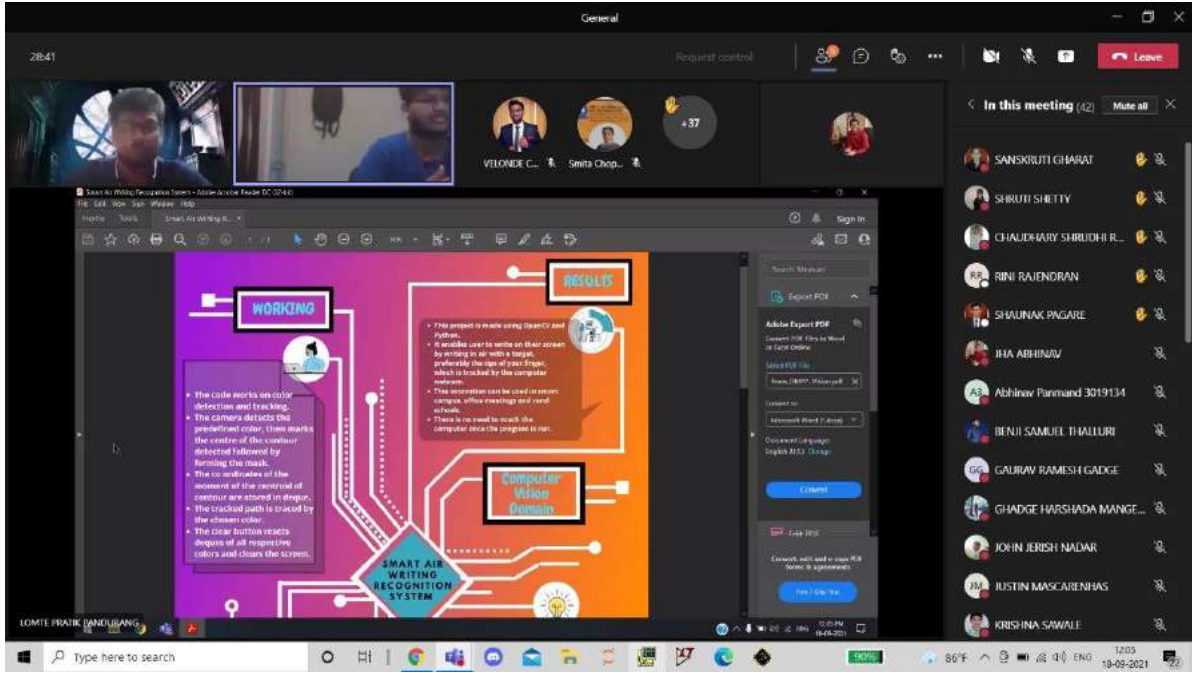
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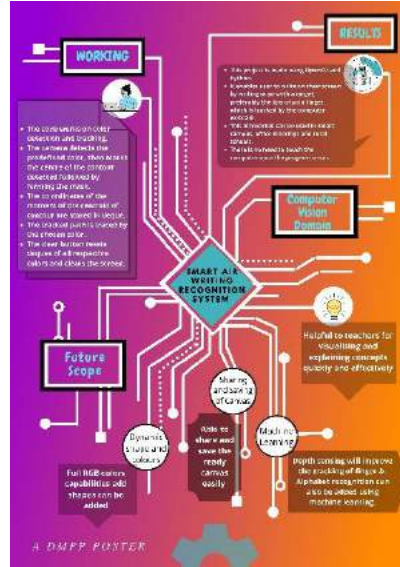
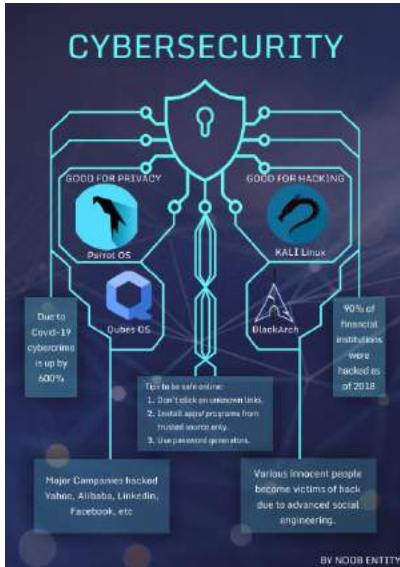
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8. Submissions done by the students:



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IETE-ETSA Students' Forum

Brief Activity/Event Report

- 1 **Activity/Event Venue & Date:** Equivocal/ Microsoft Teams, Google Meet, 07th 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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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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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, 18th 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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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.

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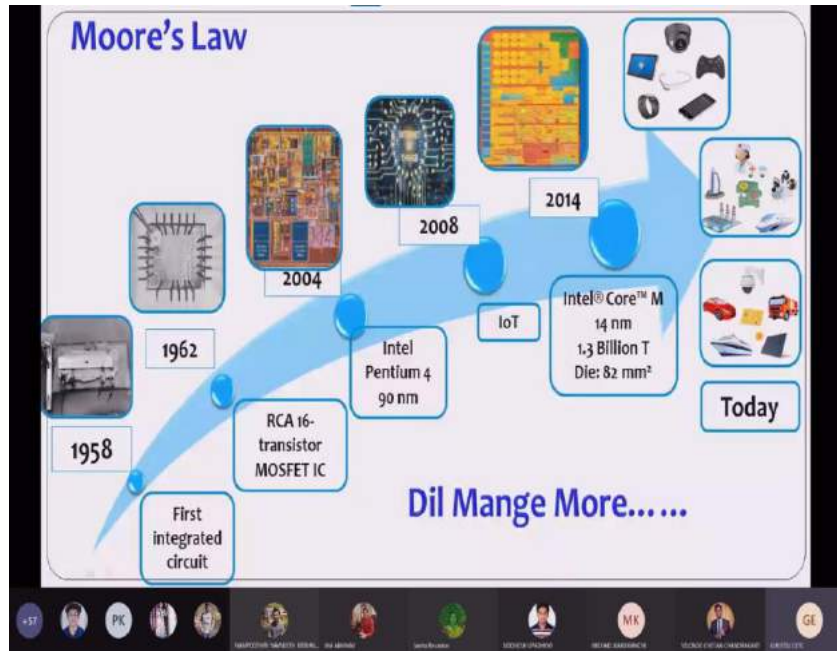
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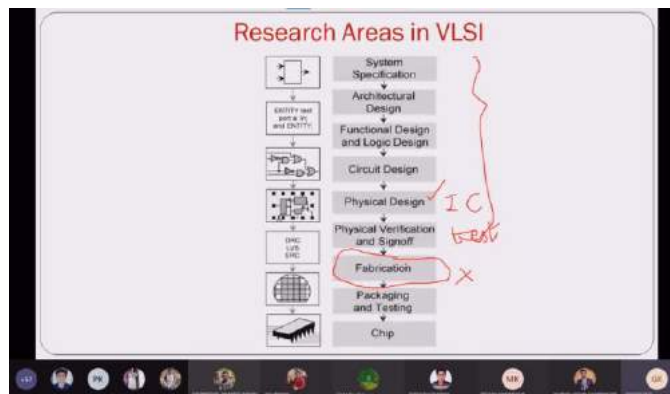
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1. Overview of VLSI Design Technology



2. Research areas of VLSI Design

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3. CEN Lab at IIT Bombay



4. Future Innovation Areas

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