

DEPARTMENT OF ELECTRONICS & INSTRUMENTATION

List of events for AFOSEC RULES AND REGULATIONS

1. PCB Design Challenge:

Event Description: PCB Design Challenge consists of two levels.

Level 1:

Participants are shown a circuit diagram, all the participants should identify the components required to complete the circuit if all the components are correct, they are promoted to next level if fail they are eliminated.

Level 2:

Participants are required to connect the circuit and solder it perfectly. The Soldering must be neat. Participants are required to show the output.

2. Techno Cross Word:

Event Description: Total 2 rounds will be held of Technical Puzzles through crossword.

Round 1 :

All participants will have to play which will be an elimination round.

No. of participants will be selected for round 2 on the basis of time and correct answers.

Round 2:

Selected participants will appear in this round which will be of difficult level.

Out of all participants qualified for round 2, top 2 participants will be declared as prize winners.

3. Techno Pick & Talk:

Event Description: The participants will pick up a chit and on the selected topic will speak for ABOUT 3 minutes on the spot.

4. Technical Quiz

Event Description: This is a 3-round event, and 3 participants are expected to form a team. Only team entries are eligible.

Round 1: Screening Test:

A question will be asked to a team and if they are unable to answer it will be passed to the next team.

10 marks for correct answer and 5 negative marks for wrong answer.

Answering time is only 30 seconds.

Team discussion is allowed.

Round 2: Rapid Fire Round:

Each team will be asked 5 questions one after another in one minute's time.

10 marks for the correct answer and negative 5 marks for the wrong answer.

If a team cannot answer the question, they can say pass for the next question. The question will not be forwarded to the next team.

Answering time is only 10 seconds.

Top 3 teams who will answer more questions correctly within time will be promoted to the final round.

Round 3: Buzzer Round:

A question will be fired & the team who presses the buzzer first get to answer first.

10 marks for the correct answer and negative 5 marks for the wrong or if team doesn't after they press Buzzers. – No forwarding.

Answering time is only 10 seconds.

5. E- Poster Presentation

Event Description: Topic must be technical innovative idea or innovation in technical Research Education and Extension

Techno Cross Word

Event Description: Total 2 rounds will be held of Technical Puzzles through crossword.

Round 1 :

- All participants will have to play which will be an elimination round.
- No. of participants will be selected for round 2 on the basis of time and correct answers.

Round 2:

- Selected participants will appear in this round which will be of difficult level.
- Out of all participants qualified for round 2, top 2 participants will be declared as prize winners.

Eligibility: EEE, ECE, EIE and other circuit related branches

No. of participants: 1

Rules and Regulations:

1. Each team must contain 1 member.
2. During the event no student is allowed to carry any kind of paper material or electronic gadget.
3. The students selected in this round will be appearing for the next rounds
4. Judges' decision is final
5. Cheating is strictly prohibited.
6. Spot registrations are allowed.

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PCB Design Challenge

Event Description: PCB Design Challenge consists of two levels.

Level 1:

Participants are shown a circuit diagram, all the participants should identify the components required to complete the circuit if all the components are correct, they are promoted to next level if fail they are eliminated.

Level 2:

Participants are required to connect the circuit and solder it perfectly. The Soldering must be neat. Participants are required to show the output.

Eligibility: All branches

No. of participants: 1

Rules and Regulations:

1. All the requirements will be provided.
2. Time limit for Level 1 is 5 minutes,
3. Time limit Level 2 is 15 minutes.
4. Perfection in soldering will also be considered.

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Techno Pick & Talk

Event Description: The participants will pick up a chit and on the selected topic will speak for ABOUT 3 minutes on the spot.

Eligibility: EEE, ECE, EIE and other circuit related branches

No. of participants: 1

Rules and Regulations:

1. Each team must contain 1 member.
2. Student should speak on the given particular topic for ATLEAST 3 minutes.
3. Speech should be completely in English.
4. During the speech no student is allowed to carry any kind of paper material or electronic gadget.
5. Based on the no. of participants no. of rounds will be decided by the Judgement panel.
6. Judges' decision is final
7. Cheating is strictly prohibited.
8. Spot registrations are allowed.

Faculty Co-ordinators & Contact Details	K.MRUDULA, 8333002244
Student Co-ordinators & Contact Details	D.YAMINI-8919775453 N.KEERTHI-7793997686

TECHNICAL QUIZ

Event Description: This is a 3-round event, and 3 participants are expected to form a team. Only team entries are eligible.

Round 1: Screening Test:

- A question will be asked to a team and if they are unable to answer it will be passed to the next team.
- 10 marks for correct answer and 5 negative marks for wrong answer.
- Answering time is only 30 seconds.
- Team discussion is allowed.

Round 2: Rapid Fire Round:

- Each team will be asked 5 questions one after another in one minute's time.
- 10 marks for the correct answer and negative 5 marks for the wrong answer.
- If a team cannot answer the question, they can say pass for the next question. The question will not be forwarded to the next team.
- Answering time is only 10 seconds.
- Top 3 teams who will answer more questions correctly within time will be promoted to the final round.

Round 3: Buzzer Round:

- A question will be fired & the team who presses the buzzer first get to answer first
- 10 marks for the correct answer and negative 5 marks for the wrong or if team doesn't after they press Buzzers. – No forwarding.
Answering time is only 10 seconds.

ELIGIBILITY: EEE, ECE and EIE students.

No. of participants: 3

Rules and Regulations:

1. Participants should be registered to the event as an individually within the time or even by spot registration.
2. Participants should not carry mobile phones or any gadgets.
3. Promotion to round 2 will be based on the marks scored by the team and total time taken to answer all the questions in round 1.
4. At the end of round 3 the top 2 teams with highest score of round-3 individually will be declared as winner and runners.
5. The participants shall not be allowed to use mobile or other electronic instruments.
6. Replacement of any participant of a team is not allowed after the event begins.

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E-Poster Presentation

ELIGIBILITY: all branches

Event Description: E-POSTER involves a combination of design, content, and presentation..

Using design software like **Canva, Adobe Spark, PowerPoint, Google Slides, or Adobe Photoshop** the participant should design an e-poster

Rules and Regulations:

- Content should be Prepared on the spot you can use your own laptops or systems provided in the lab
- Topics will be given on the spot (e.g., academic, promotional, informational).
- Time limit will be 45 minutes
- Poster should contain:
 - **Title:** Clear, bold, and concise. Use a large font size.
 - **Main Sections:**
 - Introduction or objective.
 - Key points or findings.
 - Visual elements (graphs, charts, images).
 - Conclusion or call-to-action.
 - **Text:**
 - Use bullet points or short sentences.
 - Keep the font size readable
 - **Visuals:**
 - Include relevant high-quality images, icons, or infographics.
 - Avoid clutter; ensure visuals support your message.

No. of participants: 1

List of topics:

- Sensors
- PLC's
- Automation
- Image processing
- Biomedical
- IOT
- AI,etc

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