



## **Mysterio 5.0 2025 General Instructions**

1. Participants need to be present at the event venue at least 20 minutes prior to the start time mentioned in the event schedule.
2. Participants need to bring necessary gears and accessories for the events like Laptop, calculators, stationaries etc. The organizing team is under no obligation to provide them the same.
3. Participants need to wear their college ID cards throughout the event and produce the proof of registration at the registration desk at the beginning of the day.
4. If any overlapping of events is found for any teams, they are requested to inform the coordinator beforehand to sort out the scheduling as early as possible.
5. It is recommended that the same team member be retained for all events so that your team can switch between events with ease.
6. Participants indulging in malpractice and undertaking any unfair means to succeed in any events will be outright disqualified from further participation in all the events. No pleas will be entertained for such cases.

**In case of Queries Contact us,**

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**Varsha Vasanth :7892178545**

**Dhanushree K R: 8951232228**

# DR. CIRCUIT

## **RULES:**

Participants have to compete in teams with at most two contestants per team.

1. The events will be conducted in two stages.

### **STAGE 1:**

1. It consists solely of a pen-and-paper based quiz with 30 questions to be completed exactly within 30 minutes.

2. A quiz is conducted in

Part 1 with 20 questions, 1 mark each for a correct response 0 marks for a wrong response.

Part 2 has 10 questions, with 2 marks each for a correct response and 0 marks for a wrong response. Both parts are to be attended to completely.

Total  $20+10=30$  questions, amounting to 40 marks.

Questions will be mainly based on fundamental concepts in networks, devices, logic circuits and engineering maths.

A cutoff mark will be decided by the judges.

All the teams with scores higher than or equal to the cutoff marks will be qualified for the next round

### **STAGE 2:**

1. It consists solely of a practical hands-on session which has to be completed within 1 hour. + Viva in the laboratory, which has to be completed within 1 hr.

2. One problem statement (oriented either towards analog and digital domain) will be provided by the judges, on spot to each team, which has to be completed within 60 minutes.

3. The qualified teams have to analyze the questions, design suitable circuit/logic system on paper and present to the judges.
4. Verified team will then be allowed to collect appropriate components, build their circuit/logic systems and evaluate the required result, amounting to 40 marks.
5. Problem statement will be based mainly on practical implementation of various concepts in analog circuit, logic design and electronics devices.
6. 6. After hands on session members of every team called upon for an oral assessment for about 10 mins. Here, judges will question on various practical and theoretical scenario evaluate the presentation of their results for the problem statement, amounting to 20 marks (15M+5M).
7. The judges will finalize the scores for this stage, for each team and based on teams score out of 100 the winning teams will be announced.
8. The decision of the judges is final and shall not be over ruled under any circumstances.

**Coordinators:**

**Amanda Raquel: 7204635351**

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# **ENGINEERING A WAY OUT**

## **ENGINEERING WAY OUT PROBLEM STATEMENT:**

Participants will be provided with an engineering problem of which they have to bring out an innovative solution and present it to a jury to be judged.

## **RULES GOVERNING THE EVENT:**

1. Maximum participants allowed in a team is 2.
2. Teams will be randomly allotted by coordinators.
3. There will be two rounds in this event. In round 1, the team will be asked to bring an engineering solution for a given engineering statement.
4. The teams will be allotted with a problem statement. Under no circumstances the Problem statement will be changed.
5. The teams are free to browse the internet to arrive at a conclusion for the problem statement under stipulated of time frame but uniqueness and originality of the solution would be the judging parameter.
6. The problem statement will be multidisciplinary in nature.
7. The top select teams from the given statements would advance to the next round. On round 2 the team members would be asked to present their solutions to a jury . The best solution across the statements will win. **Even though there might be multiple statement would be declared winners.**
8. Example statement – You are a part of team in Tesla Inc. which is tasked with the problem of setting up the next Giga factory to manufacture in Tesla Semi trucks for the Global market. Find a solution to establish a manufacturing plant for Tesla inc. in a strategic geographical location such that it can cater the global market with ease. Justify your solution with all

the parameters considered to arrive at the solution.

9. Decision of the judges and the event heads shall be treated as final and binding on all cannot be contested.

**Coordinators:**

**Prajna Anand : 8660034373**

**Punith : 7411333182**

**Vikas Kulkarni : 9148244049**

## **HOBBY PROJECT EVENT DESCRIPTION**

Hobby project is an event where enthusiasts present innovations among like-minded peers and the project their inventions and which out shines all others are recognized and awarded. This event provides students to show as their projects and technical expertise.

### **RULES AND REGULATIONS:**

1. The Project could be either a hardware prototype Or a software application. (Working prototype should be presented)
2. In case of partial project completion, make a presentation detailing the methods you tried out, what worked, what didn't work what was the end goal and what have you managed to build. Presentation/PPT is mandatory.
3. The Teams will get 8 minutes to present their project and 2 minutes will be for questioning by the judges.
4. The organizers reserve the right to change/update the rules of the contest at any point of time and will do their best to inform participants of same. However, it is ultimately the responsibility of the teams to keep themselves updated.
5. Projects can be interdisciplinary, and **teams must consist of no more than students from the same institution.**

Participants are evaluated on the basis of

1. Adherence to the time 8+2 mins
2. Creativity
3. Answering ability of the team for the questions
4. Completion percentage
5. Implementation complexity

- The participants should come with their/college ID Card
  - Jury decision will be the final decision.
6. Participants should be present at the allotted time slot in the respective arena. Failure to do so may result in disqualification.

**Coordinators:**

**Adhya K R: 6364817378**

**C G Poorvi: 8277648698**

**Samhita: 9353367278**

# **PAPER PRESENTATION**

## **TEAM FORMATION:**

1. Team can have maximum of 2 participants
2. No participants can be part of more than one team.

## **PRESENTATION RULES:**

1. The paper submitted will have to be presented during the event. Hardcopies of the same are to be submitted before presentation to Judges.
2. The Teams will get 8 minutes to present their paper. And 2 minutes will be for questioning by judges.
3. The participants will have to present their papers in MS-Rower Point (ppt) format only.
4. Violation of any rule can result in rejection of paper.
5. The organizers reserve the right to change update the rules of the contest at any point of a time and will do their best to inform to participants of the same. However, the responsibility of the team to keep themselves updated
6. Both the participants should involve in the process of the presentation.

## **PAPER FORMAT RULES:**

The paper should be in IEEE format. The format paper is attached below,  
<http://surl.li/hpolt>

1. Abstract may not exceed the limit of two Pages.
2. The front page should have title of paper **no hetopnad** the details of the team members at the bottom. (As mentioned in abstract)
3. It should have abstract attached.



4. Font style for text: Times New Roman.

5. Font size for the text: 12 points.

6. Font size for headings: 16 points

7. Font size for sub-headings: 14 points

**RULES & REGULATIONS:**

1. Your work should be original and in the specified format.
2. Plagiarism checking of the paper will be done, if any team found to have indulged in malpractice will be disqualified.
3. Plagiarism checking of the paper will be done, if any team found to indulge in malpractice will be disqualified.
4. The participants should come with their college id card.
5. Jury decision will be final decision.

DOMAINS AVAILABLE FOR ALL BRANCHES FOR  
PRESENTATION: ANY TECHNICAL DOMAIN.

**Coordinators:**

**Sujal G C: 9019472418**

**Sahana M Soppin: 8618808385**

**Srujana C R: 9980918769**

# **PROGRAMIZ**

## **PROBLEM STATEMENT:**

A problem statement will be given based on C language. The to solve the given problem, statement in a given time.

## **GAME PLAY:**

The event consists of two rounds. Round 1 will be a general quiz.

Round 2 will be coding, which consists of three problems at different levels.

## **RULES AND REGULATIONS:**

1. Max of two participants per team.
2. During the event if any Team is found to be indulging in malpractice shall be the grounds for immediate dismissal.
3. Judge's decision will be final and will not be overruled under any circumstances.

## **Details of Round1 and Round2:**

### **Round 1:**

1. In this Round, there will be quiz based on the general knowledge and teams will be qualified to the Round 2 based on their performance.
2. Allotted time: 30 minutes
3. Total number of questions: 30

### **Round 2:**

1. In this level problem statements will be provided and it should be solved by any of the programming languages as comfortable by the members of the team.
2. One from the team should join the google classroom.

3. In google classroom the screenshots of the output and the code should be submitted within the deadline.
4. Total allotted time: 1 hour for solving the submitting i n google classroom.
5. There will be a Viva voce based on the submitted.
6. Note: only the teams that submit the screenshots will be considered for the viva voce.
7. Viva voce will be based on the submitted records and statements.
8. The winners are selected based on Round 2.
9. Judge's decision will be the final and it will not be changed.

**Coordinators:**

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**Namitha J: 8217494782**

**Kavana R: 8431749290**

# **HIRING CHALLENGE**

## **RULES:**

### **FIRST ROUND:**

#### **APTITUDE TEST ROUND:**

1. This is the first round which will be held on 26<sup>th</sup> **May/April**
2. Participation in this round requires a team of TWO members.
3. This round includes objective test on the topics QUANTITATIVE APTITUDE, REASONING, VERBAL REASONING, IT and NON-IT Based questions
4. The top teams which qualify in this round will proceed to the next round.

### **SECOND ROUND:**

#### **INTERVIEW ROUND:**

Candidates who have qualified in the first round, shall participate in this round.

1. The interview will be divided into two sections: IT domain interview and Core domain interview
2. Candidates can attend either one or both interview sections.
3. Bringing your resume (CV) to the interview round can be **a plus on.**
4. The top two candidates who performed well in this round will be awarded.

#### **Coordinators:**

**Prajna Hegde: 9538646287**

**Nithya M Devang: 7483132288**

**Chaitra H S: 7899042864**

# **UNO ARDUNIO**

## **RULES:**

Participants have to contest in teams with at most two members in each team.

1. The event will be conducted in two stages.

## **STAGE 1:**

1. It consists solely of a pen and paper-based quiz having 20 questions, to be completed exactly within 30 minutes.

2. Quiz is divided into:

- Part 1 with 10 questions, 1 mark for a correct response, 0 marks for wrong response
- Part 2 with 10 questions, 2marks for a correct response, 0 marks for wrong response.

Both parts are to be attended completely.

- Totally,  $10+10 = 20$  questions, amounting to 30 marks
- Questions will be based on mainly fundamental concepts in Logic, circuits, and Arduino board.
- A cutoff mark will be decided by the judges. All the teams having scores higher than or equal to cutoff marks will be qualified to second round.

## **STAGE 2:**

PC's are provided by College.

One problem statement will be given by the judges, on spot, to each team, to be completed within 30 minutes. The qualified team have to analyze the question, design the suitable circuit and present to the Judges.

The problem statement will be mainly based on practical implication of various concepts in Logic design and electronic devices.

1. After hands-on session every team will be called to explain the circuit built. Here judges will question on various scenarios and simultaneously evaluate the teams presentation of their results for problem statement, amounting 15 marks (10+ 5) M.
2. The judges will finalize the scores for this stage, for each team and based on teams score out 50, the winning team will be announced.
3. The decision of the judges are final and shall not be overruled under any circumstances.

### **Coordinators:**

**Chandan G G: 7411375951**

**Bhuvan Kumar: 9353717954**

**Varun Kumar: 8660087346**