

## **PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)**

### **DEPARTMENT OF AGRICULTURE ENGINEERING**

#### **EVENT NAME: HITCHING**

Tractor hitching is the process of connecting implements or attachments to a tractor's hitch system, enabling it to perform various agricultural, construction, and landscaping tasks.

#### **RULES AND REGULATIONS:**

##### **DOs: (QUALIFIED)**

1. Two members per team.
2. One member per team must know how to drive.
3. Maximum time limit: 10 minutes.
4. The team completing the task in the shortest time (under 10 minutes) will be considered the winner.
5. The tractor must be maintained within a safe speed limit.
6. Understand the hitching components.
7. Engage the parking brakes after stopping the tractor.
8. Before starting, ensure the tractor is in neutral gear.
9. Drive the vehicle in a proper line.

##### **DON'Ts: (DISQUALIFIED)**

1. Do not operate the PTO shaft before connecting the implements, or the team will be disqualified.
2. Do not move the vehicle outside the designated line.
3. Avoid sudden movements during the hitching operation.
4. Ensure proper implement balancing.
5. Do not operate at excessive speed.
6. Any unnecessary activities during hitching will lead to disqualification.

#### **EVENT NAME: POSTER PRESENTATION**

#### **IMPORTANCE:**

Paper presentations are an effective tool for communicating research or understanding a topic visually and concisely. They raise awareness of your research and make your findings quickly and widely accessible.

#### **THEME:**

1. The role of technology in modern farming (Drones, Robotics, AI)
2. Water management in agriculture (Remote sensing, IoT, Precision Irrigation)
3. Urban agriculture: growing food in cities (Vertical farming, Rooftop gardening)
4. Soil health and conservation techniques (Organic farming, Vermicomposting)
5. Precision agriculture technology (Polyhouse, Shadenet)
6. Advanced machinery for agriculture (Machinery)

#### **INSTRUCTIONS:**

For the poster presentation, the poster should be 3x2 feet in size. Be sure to include the title, author's name, and institution name in the top left corner. The poster must be submitted in PDF format. Posters should stimulate discussion, not provide lengthy presentations. Therefore, keep text to a minimum, emphasize graphics, and ensure every item included is necessary.

#### **RULES:**

- Four members per team.
- Poster size: 3x2 feet.
- Use high-resolution photographs.
- Ensure the idea flows logically from one section to the next.

- The poster should consist of 20% text, 50% graphics, and 30% space.
- Keep line spacing consistent.
- It is recommended that you hand-carry your poster.
- PDF submission deadline: 30/10/24
- Submission Link: [<https://pec.paavai.edu.in/techfinix24>](<https://pec.paavai.edu.in/techfinix24>)

## EVENT NAME: AGRO-QUIZ

### OBJECTIVE:

The purpose of this quiz contest is to enhance the knowledge of the participants.

### TEAM SIZE:

A team should consist of no more than two members. Replacement of any participant after registration is not allowed.

### GENERAL RULES AND REGULATIONS:

1. Only team entries are allowed.
2. Participants will not be allowed to use mobile phones or other electronic gadgets during the quiz.
3. The decision of the quiz-master is final and will not be subject to change.

### QUALIFYING ROUND (In case more than 6 teams register)

- Each team will answer 25 multiple-choice questions.
- The time limit is 20 minutes for the entire session.
- Only 6 teams will be selected for the FINAL STAGE ROUND.
- In case of a tie between two or more teams, an additional five questions will be given to the tied teams to determine the final selection.

### FINAL ROUND: ON-STAGE ROUND

#### ROUND 1:

- Each team will be asked 4 questions.
- 10 marks will be awarded for each correct answer on the first attempt.
- 5 marks will be deducted for each incorrect answer.
- If a team cannot answer, the question will be passed to the next team. A correct answer will earn the team 5 marks, and a wrong answer will lead to a 2-mark deduction.
- Only one pass is allowed per question.
- Answering time per question is limited to 30 seconds.
- Discussion within the team is allowed.

#### ROUND 2:

- Each team will answer 10 questions in a one-minute session.
- The team can pass on a question and return to it within the time limit.
- One member of the team will answer, with the option to consult their partner.
- 10 marks will be awarded for each correct answer, and 5 marks will be deducted for each wrong answer.

#### ROUND 3:

- A question will be posed to all teams, and the first team to press the buzzer will get the chance to answer.
- 10 marks will be awarded for each correct answer, and 5 marks will be deducted for incorrect or unanswered questions.
- Answering time is limited to 30 seconds per question.