



# PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

## TECHFINIX '26

**Department Name: MECHATRONICS ENGINEERING**

### 1. Event Name: Circuit Design Challenge

**Faculty Coordinator:** C. Vibinstalin, Mobile: 6369464747

**Student Coordinators:** Kiran.S.K, Abdullah.R

**Coordinators Mobile:** 9345351947, 8608371988

#### **Event Description:**

A hands-on technical challenge focused on designing and developing electronic circuits based on given requirements. Participants will apply their knowledge of circuit concepts, components, troubleshooting, and problem-solving to develop an effective circuit solution within the given challenge.

#### **Event Rules:**

- Each team must have two participants.
- The circuit must be designed according to the given problem statement.
- The team must complete the circuit within the allotted time.
- The circuit will be evaluated based on functionality, accuracy, and completion time.

### 2. Event Name: CAD Modelling Competition

**Faculty Coordinator:** R. Karthik, Mobile: 9677893675

**Student Coordinators:** Elavarasan. A, Ajay. R

**Coordinators Mobile:** 7604840027, 9363925483

#### **Event Description:**

A computer-aided design competition that challenges participants to create accurate and innovative 2D/3D models using CAD software. The event evaluates participants' modelling skills, design accuracy, creativity, and ability to transform engineering concepts into digital models.

**Event Rules:**

- Each participant must complete the given CAD modelling task individually.
- Participants must use the specified CAD software provided for the event.
- The model must be completed and submitted within the allotted time.
- Evaluation will be based on accuracy, design quality, and completion time.

**3. Event Name: AI Model Building Challenge**

**Faculty Coordinator:** D. Anandan, Mobile: 9952818437

**Student Coordinators:** Jerin Jacob. J, Sanjai. M

**Coordinators Mobile:** 9080806300, 6369365192

**Event Description:**

An innovation-oriented challenge where participants develop AI-based models to address a given problem or application. Participants will demonstrate their ability to apply artificial intelligence and machine-learning concepts to build practical solutions, encouraging creativity, analytical thinking, and technology-driven problem solving.

**Event Rules:**

- Each team must have two or three participants.
- The team must develop an AI-based solution for the given problem statement.
- The solution must be completed and demonstrated within the allotted time.
- Evaluation will be based on innovation, implementation, performance, and presentation.