



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

TECHFINIX 2K26

DEPARTMENT OF BIOMEDICAL ENGINEERING

NON-TECHNICAL EVENTS – EVENT DESCRIPTIONS

EVENT 1

Event Name: BME Quiz Bowl

Event Description:

Test your biomedical knowledge through exciting challenges that combine medicine, anatomy, physiology, and healthcare. Participants will diagnose diseases from clinical clues, tackle an Emergency Biomedical Escape, and compete in a thrilling final buzzer round. Think fast, analyze smart, and prove your BME expertise.

Event Rules:

1. Each team shall consist of two participants.
2. The event will be conducted through multiple rounds: Clinical Clues, Emergency Biomedical Escape, and Final Buzzer Round.
3. Questions may cover anatomy, physiology, medical terminology, biomedical engineering, diagnostics, and healthcare.
4. Participants must follow the instructions given by the coordinators and judges.
5. Use of mobile phones, internet access, or external assistance is not permitted during the event.
6. The decision of the judges will be final.

Event Time: 1 hour 30 mins

Task Completion: 1 hour

Evaluation: 30 mins

Faculty Coordinator:

Name: Mr. R. Gudan AP/BME

Phone: +91 93635 69538

Student Coordinator:

Name: K. Guru Roshan IV/BME

Phone: +91 90038 85020

EVENT 2

Event Name: BME Circuit Debugging

Event Description:

Put your troubleshooting skills to the test by identifying and fixing faults in biomedical circuits. Progress from spotting errors to debugging circuit problems, before taking on the ultimate design challenge. In the final round, participants will design a biomedical equipment prototype using Tinkercad.

Event Rules:

1. Each team shall consist of two participants.
2. The event will be conducted in progressive rounds based on circuit identification, fault finding, debugging, and design.
3. Participants must identify circuit faults and explain the probable cause before attempting the correction.
4. The final round requires participants to design a biomedical equipment prototype using Tinkercad.
5. Participants must use only the components and software provided by the organizers.
6. External assistance, copied designs, or unauthorized resources are not permitted.
7. The decision of the judges will be final.

Event Time: 1 hour 30 mins

Task Completion: 1 hour

Evaluation: 30 mins

Faculty Coordinator:

Name: Mrs. R. Suguna AP/BME

Phone: +91 93426 73460

Student Coordinator:

Name: S. Poojadevi IV/BME

Phone: +91 93452 41014

EVENT 3

Event Name: MedPoster

Event Description:

Turn biomedical concepts into visually powerful and creative posters. Participants will showcase their scientific understanding, creativity, and visual communication skills through a given medical theme. The event concludes with a poster presentation where participants defend their ideas before the judges.

Event Rules:

1. Each participant or team shall prepare a poster based on the medical theme provided by the organizers.
2. The poster must clearly communicate the biomedical concept using accurate scientific information.
3. Participants will be evaluated on scientific content, creativity, visual presentation, originality, and clarity.
4. The poster must be completed within the allotted time.
5. Participants must present and defend their poster before the judges.
6. Copied content or previously prepared posters are not permitted.
7. The decision of the judges will be final.

Event Time: 1 hour 30 mins

Task Completion: 1 hour

Evaluation: 30 mins

Faculty Coordinator:

Name: Mr. J. Prasanth AP/BME

Phone: +91 93617 33792

Student Coordinator:

Name: P. Dhanish Kumar IV/BME

Phone: +91 79047 46366