

# FUSION BYTE 2K24

## Common Rules:

- Participants should bring their laptops.
- Only 2 teams per college are allowed to participate in each event.
- UG/PG students are allowed.
- A team can participate only one event.
- On-spot registration is available except project expo and paper presentation.
- A valid student Identity Card is mandatory for participation.
- The prelims will consist of 40 MCQ's. Duration will be 30 minutes.
- Top 5 teams will be advanced to the final round in each event.

Events	No. of Participant	Preliminary Round	Laptop required	Final Round Duration
Web Designing	2	YES	YES	60 Minutes
Data Visualization	2	YES	YES	90 Minutes
Ethical Hacking	2	YES	YES	90 Minutes
Quiz	2	YES	NO	45 Minutes
Video Making	1	NO	YES	60 Minutes
Paper Presentation	2	NO	NO	10 Minutes
Project Expo	2	NO	YES	10 Minutes

## Rule for Web Designing:

- The theme of the web designing project will be provided on the spot.
- Projects must be developed using HTML, CSS, and JavaScript only. Use of additional frameworks and libraries (e.g., Bootstrap) may be restricted unless explicitly allowed.
- The project should be original and developed during the symposium. Pre-developed projects are not allowed.
- Internet access may be provided, but using it for copying code or solutions is strictly prohibited.
- Participants must submit all source files (HTML, CSS, JS) in a zip folder.
- All the project should have index.html file name must be first render.
- Event Co-Ordinator (C. Mothish Kumar: 9443942904).

## Rule for Data Visualization:

- Participants will be supplied with a dataset.
- Each team must develop a comprehensive data visualization dashboard that highlights key insights from the dataset.
- 90 Minutes for dashboard creation, 10 minutes per team to present their visualizations, 2 minutes for Q&A with the judges.
- Event Co-Ordinator (S. Gowtham: 8489802636).

## Rule for Ethical Hacking:

- The final stage will consist of a real-world scenario-based penetration on a simulated environment. Teams will be required to identify, exploit and report vulnerabilities.
- Final stage has two rounds.
- Event Co-Ordinator (A. Anbazhagan: 7402157518).

## Rule for Quiz:

- The participants are not allowed use any kind of electronic devices such as mobile, etc., during the final quiz. In case of mobile usage has been found out, the participants shall be disqualified on the spot.
- The questions will be in the form of multiple choices, true/false statements, or specific answer questions.
- The final quiz consists of 6 rounds (History & Evolution of Computer Science, Spot the error in the code, App development, Computer Hardware, IoT and AI)
- Each round consists of 5 questions, and each question will be provided 30 seconds to answer.
- For every correct answer, each team will be awarded 10 points and for every wrong answer, each team will be given a penalty of -5 points.
- In case of a tie, a rapid-fire round will be conducted to decide the winner. This round will have 5 questions for each team and points are awarded the same as previous rounds.
- Event Co-Ordinator (M. Lakshmanan: 9482457237).

## Rule for Video Making:

- All submissions must be the original work of the participant.
- Inappropriate or offensive content will result in disqualification.
- Any copyrighted material must be properly credited or using with permission.
- Late submission will not be considered.
- To edit a provided video clip.
- **On-spot content:** To create a video minimum 40 seconds to maximum 90 seconds.
- Event Co-Ordinator (S. Abiesh: 8610771364).

## Rule for Paper presentation:

- The time limit for paper presentation is 10 minutes.
- Abstract should not exceed more than 250 words and paper should not exceed 15 pages.
- Kindly mail your abstract, paper and PPT to ([fusionbyte@periyaruniversity.ac.in](mailto:fusionbyte@periyaruniversity.ac.in)).
- The mail with submission should contain (Title of the paper, Names of the author, Phone number of the author, Email Id's)
- Last day to submit softcopy of your PPT (via email) will be two days prior to the day of presentation.
- Kindly bring your PPT presentation on a Pen drive.
- The decision of judges will be final and no arguments or appeal will be entertained.
- **Topics:** [ Quantum computing, Humanoid robots, blue eyes technology, Graph mining, Secured web portal for online shopping, Human-computer interaction, Augmented

reality (AR) and virtual reality (VR), AI & critical systems, The world of Block chain, Embedded web technology]

- Event Co-Ordinator (G. Gowri: 9342320383).

### **Rule for Project Expo:**

- The registered team should have a laptop for project presentation, project explanation (Duration time is 10 minutes).
- The student should electronically submit the project in the format of PDF or PPT before (10/09/2024) and share the (PDF or PPT) soft copy to the following email-id ([fusionbyte@peryaruniversity.ac.in](mailto:fusionbyte@peryaruniversity.ac.in)).
- During project presentation focus should be the realistic elements of the projects like experiments/implementation, design, results/data obtained and outcomes of the project includes importance of the project.
- If team wants to demonstrate the working of a project, essential arrangements (Hardware kit, model or diagram or flow chart of a project made in charts) should be present without fail
- The registered team will have to bring a soft copy and a hard copy of the PDF or PPT file.
- Avoid displaying any personal information unless content based.
- Event Co-Ordinator (S. Sakthivel: 6381700148).