

Web Development

The Web Development module challenges participants to create functional, responsive, and user-friendly websites using modern web technologies. Teams will focus on translating problem statements into practical digital solutions while considering usability, performance, and design. The module promotes full-cycle development from concept to deployment.

| REGISTRATION - PER TEAM MEMBER | |
|--------------------------------|-------------|
| Early bird | Normal |
| PKR 500 | PKR 1000 |
| TEAM SIZE | 1-3 Members |

| PRIZE POOL | |
|--------------------|------------|
| TOTAL - PKR 35,000 | |
| Winner | PKR 25,000 |
| Runner Up | PKR 10,000 |



Web Development Guidelines

Competition Overview:

- Each team would be given a theme, and they would need to implement their ideas to solve that problem with a web application
- The theme would be announced to all the participants when the competition starts.
- The duration of the competition is about 24 hours.
- Teams must bring their own machines.
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- The Internet/Extensions will be provided; however, participants are requested to bring their own internet to avoid any sort of inconvenience.
- All forms of AI Tools are allowed.

Competition Rules:

- Teams can use any frontend and backend frameworks of their choice. But,
 - Using WordPress isn't allowed.
 - Firebase or any other Backend as a Service is allowed but custom backends will be given more points.
- Both SQL and No SQL databases can be used depending on the design choice.
- Functionality will be tested in evaluation of the working website to the judges.
- Participants are required to be there at the time of evaluation. Failure to appear before the judge at the time of evaluation will automatically disqualify the project from the competition.
- The decision of the Judges will be final and cannot be challenged. If any team keeps arguing with the host team on this matter, they will be disqualified.
- All work must be original and completed exclusively by the registered team members.
- Plagiarism of all kinds is strictly prohibited.
- No deadline extensions will be provided, regardless of technical issues.

Team Eligibility Criteria:

- Each team should consist of a minimum of 1 and a maximum of 3 participants.



Evaluation Criteria:

- Ideation & Innovation
 - Originality & Creativity
 - Purpose & Impact
- Functional Completeness
 - Core Requirements: All mandatory features implemented and fully functional.
 - Edge Cases & Error Handling: Graceful handling of invalid inputs, errors, and unexpected scenarios.
- Visual Design & User Experience
 - Responsiveness: Mobile, tablet, and desktop screens.
 - Consistency: Consistent (colors, fonts, spacing), adherence to design systems.
 - Visually Appealing
- Technical Implementation
 - Frontend Code: Clean, modular code with proper separation of concerns
 - Backend Architecture: Clean, modular code with proper separation of concerns. Error logging and input validation.
- Presentation & Documentation
 - Documentation: README with setup instructions, code comments
 - Demo Effectiveness: Structured pitch and Live demonstration