

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING(ECE) &  
DEPARTMENT OF AEROSPACE ENGINEERING(ASE)

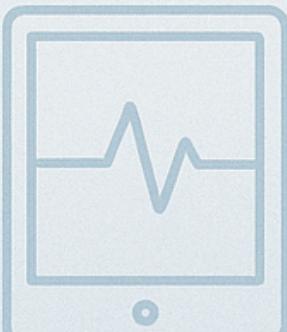
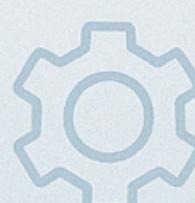
PRESENTS

INTER-COLLEGE 36 HOURS INTERNATIONAL LEVEL PROTOTHON

# TECHNOCOGNITION '25

Startup, Innovation & Incubation

# RULE BOOK



21<sup>st</sup>&22<sup>nd</sup> November 2025



DSU main Campus, Bengaluru south

# ABOUT THE EVENT

- TechnoCognition'25 is an international-level innovation event hosted by Dayananda Sagar University, Bengaluru, bringing together visionary students, innovators, and technologists from across India and abroad.
- The event encourages participants to conceptualize, design, and build functional prototypes that address real-world challenges through technology and creativity.
- Participants will explore key domains such as:
  - Internet of Things (IoT)
  - Wireless Communication Systems
  - Embedded Technologies
  - Aerospace Applications
  - Biomedical Engineering
- The core of TechnoCognition is a 36-hour prototype-building hackathon, where teams work intensively to turn ideas into impactful solutions.
- Guided by industry mentors and academic experts, participants will gain hands-on experience and exposure to interdisciplinary collaboration.
- The event fosters innovation, teamwork, and problem-solving, serving as a launchpad for future research and technology-driven social impact.

# GENERAL INFORMATION

- **Event Type:** 36-Hour Prototype-Building Hackathon
- **Format:** Team-Based, On-Campus Event(Offline)
- **Rounds:**
  - » Round 1 – PPT Submission: Teams must submit their proposed ideas based on the given theme, which will be evaluated by industry experts.
  - » Round 2 – Prototype Development: Shortlisted teams develop a working prototype within 36 hours showcasing innovation and technical skills.
- **Themes:** Provided by industry partners and domain experts, focusing on real-world technological challenges.
- **Prototype Development:** Teams must design and build fully functional prototypes during the event timeframe.
- **Components & Tools:** Participants are required to present a working prototype and not just software or simulation results, and must bring all necessary hardware components, development boards, sensors, and tools to support their demonstration.
- **Participation Scale:** Over 1000+ participants with shortlisted teams, including international representation.

# THEMES

**NOTE: FOR ALL THE THEMES, HARDWARE PROTOTYPES ARE MANDATORY.**

## Human-Tech Synergy :

Focused on innovations that enhance human interaction with technology. Projects could include wearable devices, assistive tech, AR/VR interfaces, and human-centered AI solutions that improve everyday life and productivity.

## Aegis-Robotics :

For teams working on robotics and autonomous systems. This track includes industrial robots, service robots, swarm robotics, and intelligent navigation systems, emphasizing both hardware and AI-driven autonomy.

## OpenVerse(Open-Innovation) :

An open innovation track encouraging out-of-the-box thinking across diverse domains. Teams can propose interdisciplinary solutions that merge technology, sustainability, and creativity to address unique real-world challenges beyond defined categories.

# THEMES

## Circuit Minds :

Focuses on electronics design, VLSI, and hardware prototyping. Participants can explore circuit optimization, FPGA-based designs, low-power electronics, and innovative hardware solutions bridging theory and practice.

## AeroCircuitry :

Targets drones, UAVs, and aerospace technologies. Participants can explore aerial robotics, autonomous flight systems, avionics circuits, antenna innovations, and digital twin-enabled smart aerial solutions for applications in delivery, surveillance, and environmental monitoring.

## Innoverse :

Dedicated to embedded systems and IoT devices. Ideal for projects combining sensors, microcontrollers, connectivity, and real-time data processing to build smart, scalable, and connected solutions.

# **ELIGIBILITY & TEAM FORMATION**

- **Team Size:** 3 members per team.
- **Eligibility:** Each team must include at least one undergraduate (B.Tech) student. Teams composed entirely of M.Tech students are not permitted, whereas teams consisting solely of B.Tech students are allowed.
- **Interdisciplinary Teams:** Collaboration across colleges or disciplines is permitted.
- **Registration:** Teams must register with accurate member details before the deadline.
- **Team Leader:** One member will serve as the official point of contact.
- **Team Composition:** No changes are allowed after registration.
- **Code of Conduct:** Participants must adhere to all event and university regulations.

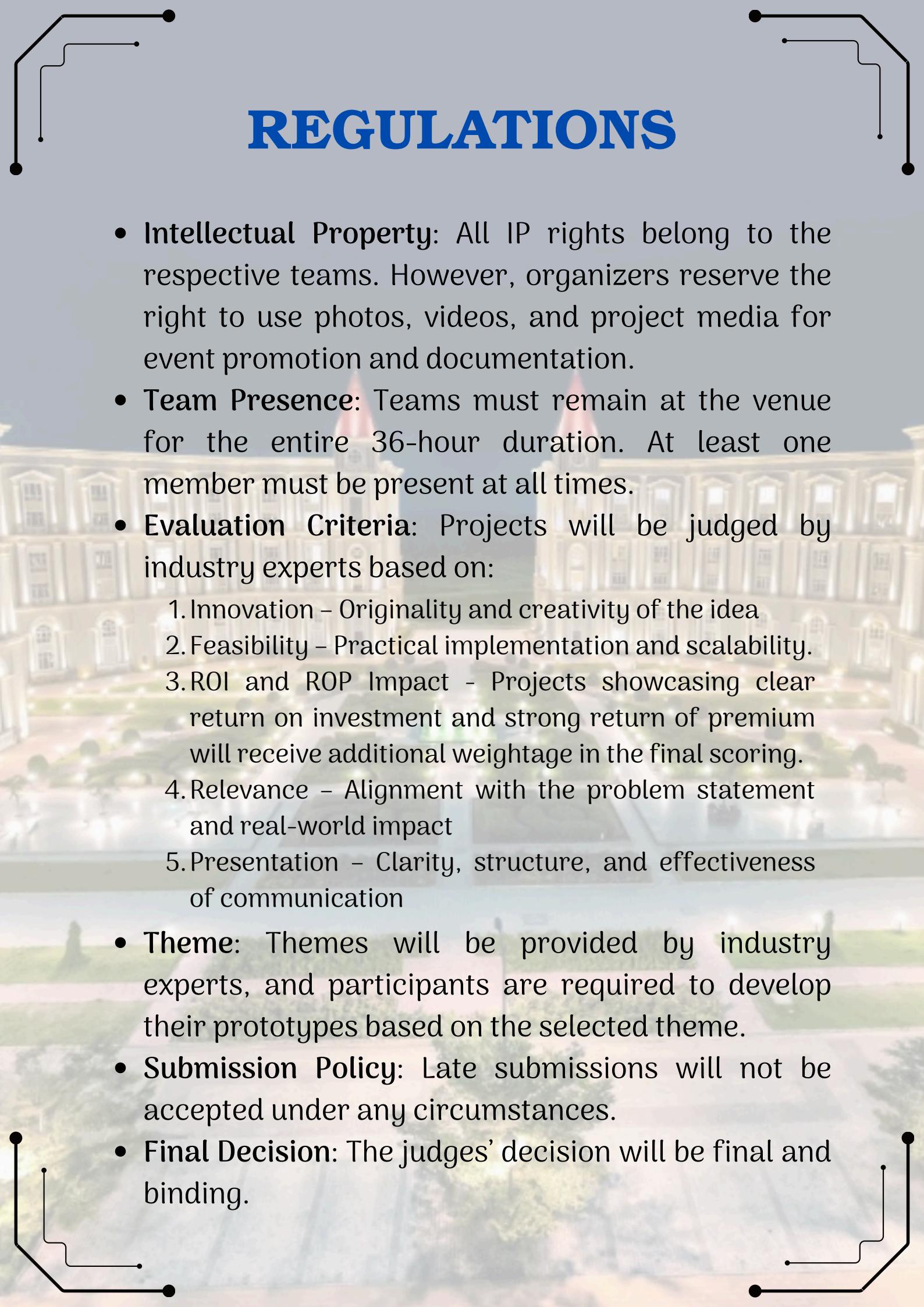
# REGISTRATION & FEES

- **Registration Fee:**
  - ▶ ₹200 per team (one member should be an IEEE member to avail the discount)
  - ▶ ₹300 per team (non-IEEE members)
- **Confirmation:** Registration is confirmed only after payment and submission of all required team details.
- Teams shortlisted in Round 1 must pay the applicable registration fee (IEEE/Non-IEEE) before the specified deadline(Nov 12<sup>th</sup>, 2025) to confirm their slot for the 36-hour offline round at DSU.
- **Refund Policy:** No refunds will be issued once registration is completed.



# **RULES**

- **Team Size:** Strictly 3 members per team.
- **Rounds:**
  - Round 1: PPT submission using the official template. [\*\*CLICK HERE TO DOWNLOAD\*\*](#)
  - Round 2: On-site 36-hour prototype development at the DSU campus.
- **Work Duration:** All project work must be completed only during the event window within the venue premises.
- **Original Work:**
  - Use of pre-defined or previously developed code is strictly prohibited.
  - Pre-built modules (except standard sensors or microcontrollers) are not allowed.
- **Resources:** Participants must bring their own laptops, components, and development kits.
- **Integrity:** Any form of misconduct, plagiarism, or violation of rules will lead to immediate disqualification.
- **Judging:** The decision of the judges and organizing committee shall be final and binding.



# REGULATIONS

- **Intellectual Property:** All IP rights belong to the respective teams. However, organizers reserve the right to use photos, videos, and project media for event promotion and documentation.
- **Team Presence:** Teams must remain at the venue for the entire 36-hour duration. At least one member must be present at all times.
- **Evaluation Criteria:** Projects will be judged by industry experts based on:
  1. Innovation – Originality and creativity of the idea
  2. Feasibility – Practical implementation and scalability.
  3. ROI and ROP Impact - Projects showcasing clear return on investment and strong return of premium will receive additional weightage in the final scoring.
  4. Relevance – Alignment with the problem statement and real-world impact
  5. Presentation – Clarity, structure, and effectiveness of communication
- **Theme:** Themes will be provided by industry experts, and participants are required to develop their prototypes based on the selected theme.
- **Submission Policy:** Late submissions will not be accepted under any circumstances.
- **Final Decision:** The judges' decision will be final and binding.

# CODE OF CONDUCT

- **Respect:** Participants must treat the venue, organizers, volunteers, and fellow participants with respect and professionalism at all times.
- **Behavior:** Any form of harassment, discrimination, or inappropriate conduct will not be tolerated.
- **Integrity:** Teams must maintain complete academic and creative integrity — plagiarism, code copying, or presenting pre-built projects is strictly prohibited.
- **Prohibited Items:** Alcohol, drugs, and restricted substances are not permitted on campus under any circumstances.
- **Disciplinary Action:** Violation of the Code of Conduct will lead to immediate disqualification and removal from the event premises.
- **NOTE:** Everyone should adhere to the decisions made by the Electroblitz Organizing Committee.

# FACILITIES PROVIDED

- **Food & Beverages:** Food and refreshments will be provided to participants during the event.
- **Transportation:** Shortlisted teams will be provided with transportation to and from the DSU Main Campus in Harohalli, with pickup and drop-off at Silk Institute Metro Station.
- **Certificates:** All participants, will receive official participation certificates.
- **Prizes:** The best innovative project will receive funding support of up to ₹10 lakhs, for demonstrating strong ROI and ROP from AIC-DSU.
- **DSU venture tank:** Powered by AIC-DSU, offers funding support of up to ₹10 lakhs, ensuring strong returns on investment (ROI) and Return of Premium(ROP).
- **Resources:** Internet and power supply will be provided at the venue.
- **Rewards & Opportunities:** Exciting goodies and an exclusive industry expert's meetup will be provided to the participants.

# TIMELINE & MILESTONES

Date	Milestone	Description
October 14 <sup>th</sup> , 2025	Participant Registration start date	Open call for nationwide student teams (expected 1000+ participants). Each team comprises 3 members.
November 10 <sup>th</sup> , 2025	Participation Registration last date	Deadline for teams to complete registration and submit all details.
November 13 <sup>th</sup> , 2025	Shortlisting & Payment Confirmation	Internal jury shortlists 70+ top teams based on submitted abstracts, problem statements, and technical feasibility.
November 16 <sup>th</sup> , 2025	Payment Confirmation last date	Shortlisted teams are notified and asked to confirm participation by paying the registration fee within a defined timeline.
November 21 <sup>st</sup> , 2025	Final Onboarding	Teams receive onboarding kits, travel guidelines, and event instructions. Sponsors are updated with final participation stats and engagement metrics.

# CONTACT INFORMATION

## Idea Submission & Problem Statement Queries

For doubts regarding problem statements, submission templates, or evaluation criteria.

Prokshith JS, President- Electroblitz Club

✉ Email: eng23ec0105@dsu.edu.in

📞 Contact: +91 9036526233

## Registration & Payment Queries

For issues related to registration, payment confirmation, or fee receipts.

Vikramadhyita M, Treasurer- Electroblitz Club

✉ Email: eng23ec0064@dsu.edu.in

📞 Contact: +91 8925694789

## Technical & Hardware Support

For assistance with components, setup, network-related concerns during the event.

Devaghneswar, Joint Vice President- Electroblitz Club

✉ Email: eng23ec0063@dsu.edu.in

📞 Contact: +91 9346449228

## General Event Queries

For general information or any event-related queries, including details about the schedule and sessions.

Eshwari, Vice President- Electroblitz Club

✉ Email: eng23ec0056@dsu.edu.in

📞 Contact: +91 7975009985

Charmesh DL, Operational Head- Electroblitz Club

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