



Saintgits College of Engineering
(Autonomous)
Kottayam, Kerala | www.saintgits.org

P R E S E N T S

2 0 2 6

SATWA

SAINTGITS NATIONAL LEVEL

HACKATHON

36 Hours  **100k** Prize Pool

FEB
22
23
24

THEME:

ENGINEERING RESILIENCE - DESIGNING FOR UNCERTAINTY

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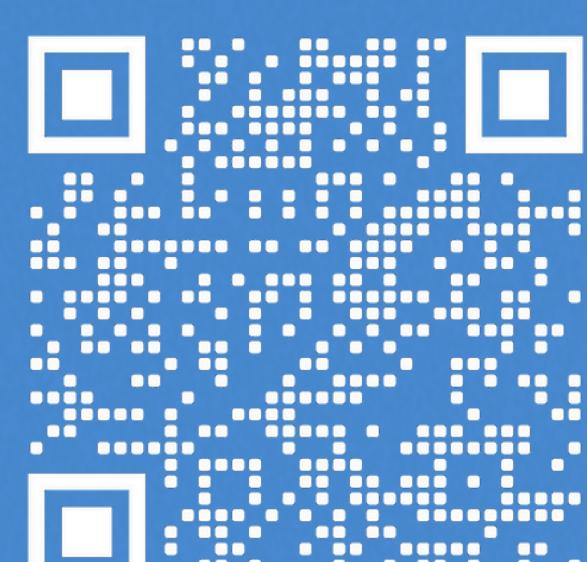
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 INNOVATION AND
ENTREPRENEURSHIP
DEVELOPMENT CENTRE

 INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)



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ABOUT US

Satwa 2026, a 36-hour National Level Hackathon hosted by Saintgits College of Engineering, is dedicated to fostering innovation and creativity among young minds and focuses on the theme "**Engineering Resilience: Designing for Uncertainty**", inviting participants to tackle pressing societal and environmental challenges with the aim of developing solutions that balance environmental sustainability with social equity, address issues impacting the quality of life for all, and provide a platform for young innovators to contribute to a thriving, sustainable, and inclusive world.

ROUND 1

Idea Submission Round

- Participating teams are required to select one domain from the provided problem areas and identify a problem statement that adheres to the selected problem area. Develop an innovative and efficient solution and submit a presentation based on the provided template.

Problem Areas

- Resilient Infrastructure and Systems Design** : Modern infrastructure and engineering systems are increasingly exposed to uncertain conditions such as extreme weather events, aging assets, and unexpected usage patterns.
- Adaptive Technologies and Risk Mitigation** : Rapid technological changes and unpredictable operational environments demand systems that can sense, respond, and adapt in real time.
- Human-Centric and Community Resilience** : The effectiveness of resilient systems depends not only on technology but also on human behaviour and community preparedness.

ROUND 2

Interview Round

- The shortlisted teams from Round 1 will undergo an interview round with an expert judging panel, during which the authenticity and scope of the ideas will be evaluated along with the quality and effectiveness of the solutions presented, and the top 10 teams will be selected to advance to the next round.

- Round 3 of the **SATWA 2026** hackathon will be conducted in offline mode at the Saintgits College of Engineering campus, where all selected teams must be present, the problem statement will be provided at the venue, participating teams will have 36 hours to develop innovative solutions, and the judging criteria for this round will include the quality of the idea, code quality, societal impact, ease of use, performance metrics, and originality.

RULES AND REGULATIONS

- Teams of 2–4 members must belong to the same institution and should be enrolled in UG or IMCA programs only. PG students are not eligible.
- ID cards and a letter from the Head of Institution confirming team eligibility are required at registration.
- Online registration closes on 31st January 2026 at 11:59 AM, with a fee of ₹100 per person.
- Plagiarism and unacknowledged use of pre-existing solutions are prohibited.
- Top 20 teams from Round 1 will face interviews on idea authenticity, scope, and quality.
- Top 10 teams from interviews will join the offline hackathon at Saintgits College, working on the problem statement for 36 hours.
- The hackathon will be held on 22–24 February 2026 physical presence is mandatory.
- Intellectual property remains with participants, and organizers may request demonstrations.
- Work must be based on the provided problem statement, prior projects are not allowed.
- Rule violations or misconduct will lead to disqualification, judges' decisions are final.
- Organizers will provide clarifications during the event and may capture photos/videos.
- Organizers are not liable for any damage, harm, or issues related to personal belongings during the hackathon.
- Solutions must follow the prescribed format, covering innovation, feasibility, and impact.
- Participants must stay updated via communication channels provided by the organizers.
- Participants are strictly instructed not to misuse any property belonging to Saintgits College.
- All team members must be physically present throughout the duration of the hackathon.

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