Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology (S.P.I.T.)

(An autonomous Institute affiliated to University of Mumbai)
presents

S.P.I.T. INNOVATION CUP'23

Aspire. Create. Inspire

An event for hardware aficionados!

Register via Unstop: https://rb.gy/phlwvo

PRIZES WORTH

1.3 LAKH!

S.P.I.T, Bhavans Campus, Munshi Nagar,
Andheri (West), Mumbai, Maharashtra–400058

About Institute and Department

Bharatiya Vidya Bhavan's S.P.I.T. is an autonomous institute affiliated to the University of Mumbai. University of Mumbai has conferred Autonomous Status to S.P.I.T. for a period of five years from the academic year 2017-18. Institute runs four UG, three PG and four Ph.D. programmes in engineering. Institute has strong culture of innovation, research and entrepreneurship with achieving 100% placements since few years. NIRF ranked S.P.I.T. consistently between 100-200.

Electronics and Electronics and Telecommunication Department has well-equipped laboratories to cater the unique, flexible, globally competent curriculum, organizes value-added courses and FDPs having highly qualified and motivated faculty members with Ph.D. research centre with a strong research & innovation culture and is provisionally accredited by National Board of Accreditation consistently in last four accreditation cycles. Students of the department every year shine at national level competitions.

About our sponsors

All India Council for Technical Education (AICTE) was set up in November 1945 as a national-level apex advisory body to conduct a survey on the facilities available for technical education and to promote development in the country in a coordinated and integrated manner. And to ensure the same, as stipulated in the National Policy of Education (1986).

Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES) provides financial support to institutions for developing students club for well-rounded development of students by promoting their interests, creativity and ethics. This club should serve as a model for other clubs in the institution and also those in other institutions.

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About ESA

The Electronics Students Association (ESA) organizes a range of activities throughout the year. Its technical paper-presentation contests and cultural activities are marked by active participation. Guest lectures by eminent personnel from industry are also conducted. Our students from Electronics Department were ranked third at the national level robotics competition in "Robocon 2005" and they put up a good performance in 2007 and 2008 as well. Students are constantly motivated to take up challenging tasks and engage in practical problem solving. Students of this committee every year shine in national level competitions like Texas Instruments, E-Yantra, etc.

About IEEE

IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE and its members inspire a global community through its highly cited publications, conferences, technology standards, and professional and educational activities.

IEEE SPIT is one of the student branches of IEEE Global falling under the regional headquater (Bombay Section) of India Council. We organize various technical and humanitarian events around the year. Our mission is to not only educate youth in technical field but also help increase social awareness amongst all. IEEE SPIT is strongly committed to the holistic development of the students as they seek careers in research and innovation and work towards promotion of technology for the benefit of the society.

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PREAMBLE

The Innovation Cup emphasizes the value of social entrepreneurship, which focuses on developing innovative solutions to social problems. Social entrepreneurship seeks to create a positive impact on society by addressing social issues such as poverty, inequality, and environmental degradation. By participating in the Innovation Cup, participants are encouraged to think beyond profit-making and contribute to society by developing solutions to these critical social problems.

The event ties in with the core values of the institute, which focuses on developing innovative and socially responsible engineers. The department aims to provide students with the knowledge and skills necessary to develop cutting-edge technologies that addresses real-world problems. The Innovation Cup is an opportunity for students to put their skills and knowledge into practice and contribute to society by developing innovative hardware solutions that aims to solve social issues of the citizens at the bottom of social ladder.

WHY SHOULD YOU PARTICIPATE IN THIS EVENT?

- Nationally recognized certificates issued by AICTE-SPICES, Idea Lab, IEEE, SP-TBI, and S.P.I.T for Round 2 and 3.

- Participation certificates for everyone who makes it to Round 2

- Cash prizes worth ₹50,000 with exciting goodies and vouchers.

- Financial aid for prototype development of ₹5,000 per team selected for round 3.

- Final 3 winning teams will get their products patented with financial aid worth Rs. 10 K each.

₹ 25K

₹ 15K

₹ 80k

₹10K

SPIT INNOVATION CUP'23

Aspire. Create. Inspire

1 IDEATION ROUND - SELECTION OF THE ABSTRACT

2 ASSESSMENT ROUND - SOLVING A PROBLEM STATEMENT AND PRESENTATION OF THE ABSTRACT

3 FINAL ROUND - PRESENTATION OF PRODUCT DESIGN

📅 DATES TO REMEMBER

Registration Closes: 26th March 2023

Round 1(Results): 29th March 2023
Round 2: 8th April 2023
Round 3: 8th May 2023

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ABOUT INNOVATION CUP'23

Welcome to the SPIT Innovation Cup'23 , a competition dedicated to promoting innovation and creativity in hardware design. We invite all hardware design enthusiasts, engineers, and makers to participate in this exciting event. Our goal is to inspire and challenge participants to push the boundaries of hardware design and create innovative solutions to real-world problems. As a participant in this event, you will have the opportunity to showcase your skills and creativity by designing and building a hardware product that meets the specified requirements.

This is an opportunity to demonstrate your expertise, showcase your unique approach to hardware design, and compete for prizes and recognition. We encourage all participants to approach this event with an innovative and creative mindset, while also emphasizing safety, ethics, and fairness. We are committed to creating a welcoming and inclusive environment that celebrates diversity and fosters collaboration. We look forward to seeing your hardware designs and wish you the best of luck in the competition.

ELIGIBILITY FOR TEAM MEMBERS: Engineering students pursuing B.E, B.TECH, M.TECH or Diploma in any discipline.
TEAM SIZE: Minimum 3 to Maximum 5 members per team.

REGIATRATION FEE: ₹ 300 per team

DOMAINS
The developed hardware project should aim to solve issues from the **following domains but not limited to**:

- Agriculture
- Healthcare
- Food processing
- Specially abled citizens and learners
- Women safety
- Food processing

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Round 1 (Ideation Round) : 20 Marks

The teams are free to choose any domain or domains and identify a problem statement that deals with the problems faced by the community in those domains. Once the problem statement is identified by the team, they are expected to frame an abstract on the solution and submit it along with the resumes of all the team members. The resume should highlight the details of the technical events in which the team members have participated previously. The evaluation result of this round will be communicated to the teams selected for round 2 based on submitted abstract only.

Please Note: The teams with relatively more innovative problem statements, solutions and resumes will have a better chance of qualifying for round 2. All certificates mentioned need to be submitted if required.

Round 2 (Assessment Round) : 30 Marks

Round 2 will be divided in two phases.

PHASE 1: The selected teams are required to work on a live problem statement which would be provided by the organisers, it will involve the use of technical skills in the domain of circuit design, troubleshooting, testing and demonstrating PCB design using any CAD tool.

PHASE 2: The participants are expected to present a PPT (not more than 10 slides, including introductory and closing slide) for the abstract product/idea that they came up with in the 1st round. The PPT must include Problem Statement, Objective, Motivation, Block Diagram, Methodology, Target Audience, Market Survey, Tentative Budget. Based on the score of round 2, best 10 teams will be selected for round 3.

Round 3 (Final Round) : 50 Marks

The selected teams will be given a budget of ₹5,000 in order to build a prototype of the idea that they proposed in round 1, it will be then later judged on it's innovation, cost effectivity, the impact of the product for the citizens at the bottom of the social ladder and other industry parameters set by the judges. A complete breakdown of expenses is also required to be produced by the teams for their idea.

Selected 3 Teams ideas will be patented in the name of their institute/institutes and SPIT and SP TBI.

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Rules for the Event:

- Submissions (Abstract and Resume) will be accepted only through Unstop.

- Plagiarism and malpractices of any kind will not be tolerated, strict action will be taken against the team which includes immediate disqualification and a ban from participation for future technical events at S.P.I.T.

- Discipline and Professionalism is expected from the participants, failure in compliance of any instruction during the event may lead to action depending on the degree of offence.

- Judging criteria will be based on the rubrics framed by the judges and organizers.

- Organizer reserves the rights to change the timings as per the need.

- Organizer reserves the rights to change the number of top teams and the cash prizes as per the feedback of the experts.

Q1. When will the Innovation Cup'23 registrations end?
ANS: 26th March 2023.

Q2. How do I register for the competition?
ANS: From the link provided in the brochure or through Unstop.

Q3. Is there a fee to participate?
ANS: There is a minimal fee of Rs. 300 per team.

Q4. Why am I paying a registration fee?
ANS: Minimal registration fee is for all the resources that will be provided in the early stages of the competition.

Q5. Will there be any guidance from the Innovation Cup team?
ANS: Yes, after clearing the second round, the qualified teams will be assigned mentors who will guide the teams in case of any difficulty.

Q6. Do I have to submit a scanned copy of my college ID card?
ANS: Yes.

Q7. Should all the team members be from the same college?
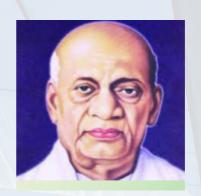ANS: No, it is not necessary.

Q8. Which rounds will be held online or offline?
ANS: Round 1 is abstract submission. For Round 2 and 3 selected teams need to be present in offline mode in the campus.

To build a renowned institute which will produce graduate engineers with global competency and social sensitivity.

Kulpati
Dr. K. M. Munshi

Iron Man of India
Shri. Sardar Patel

Engage, Empower and Energize the Student Community for Academic Leadership and Life Long Learning

Celebrating the 75th Anniversary of Indian Independence

JAI HIND!

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ONLINE PAYMENT OF REGISTRATION FEES

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