

Innovations Change the Future



10,000 Students
200+ Projects
100+ Institutions
100 Projects to be funded

11TH EDITION
(September - november)

www.ssth.in

About Us

Sahyadri Science Talent Hunt 2024, 11th edition is an innovation event for young and creative minds that focuses on indulging the young minds from schools and colleges in solving the problems of the community. Sahyadri College of Engineering and Management has been taking the initiative of organizing this event of such high magnitude, to motivate Pre-University and High School students to come up with ideas and bring them to life through prototypes.

Objectives

Sensitizing school and college students to regional problems and challenges.
Co-create solutions for the community along with local industries, mentors and UG students.
Nurture entrepreneurial mindset in students through well-defined courses and programs
Facilitate building prototypes using facilities in the region.

Program Structure

Stage 1: Ideation Sessions

Where we will address the students across 100+ Schools/Colleges in Karnataka and create awareness in them about what problem-solving looks like, and how they can find the problem so it will lead them to build really good projects.

Stage 3: Be With Engineering (BWE)

The top 100 teams are eligible to participate in the 2-day 'Be With Engineering' program that encourages students to go through the complete 'idea-to-product' cycle. In this program, the students will be mentored by industry professionals and aspirant Engineers in developing interesting solutions to community challenges by using the resources available on the Sahyadri campus.

Benefits for institutions

A bigger platform for students with an entrepreneurial mindset to pitch their ideas and bring their solutions to life.
Access to industry mentors, successful entrepreneurs, and best of the incubators and accelerators across the country to boost innovation and the existing entrepreneurial ecosystem of the institution.
Fund allocation for the individual shortlisted teams.

Stage 2: Talent Selection Bootcamp

Students are introduced to building prototypes using existing tools. Also familiarizes the process of giving feasible solutions for the problem through critical thinking and research.

Stage 4: Grand Finale

This event will be exhibiting ideas through models or prototypes and will even demonstrate working projects in any field of science and technology. The ideas will be evaluated by the judges. The prize will be distributed based on the results. Further, the winners will be given an opportunity to pitch their projects to investors for further development.

Different Categories on Regional Division:

- Category-1: Region 1 - Mangalore Taluk PU colleges
- Category-2: Region 2 - PU colleges of all other Taluks of DK.
- Category-3: Region 3 - All PU Colleges outside DK
- Category-4: Region 4 -All High Schools



To recognize and encourage the students, the following initiatives are planned:

| Top 100 projects to be funded upto - Rs 2,000/- | | | |
|---|-----------------------|--------------------|----------------------|
| Sl.No. | Item | I Phase(Pre-Event) | II Phase(Post-Event) |
| 1 | Project/Working Model | 50% | 50% |

The main objective of “Be with Engineering” is to create a platform to bring together students passionate about science and technology. It gives school and college students an overall view of what engineering truly is. In a span of 2 days, the participants will be familiar with the environment at Sahyadri. They will be given the opportunity to interact and work at the labs, Launchpads, and incubation centers, and also explore all the resources that are offered at Sahyadri. By the end of this two-day stay on the Campus, students should be able to present a different perspective of engineering altogether and build their projects under the guidance of students at Sahyadri.

3. Grand Finale

For PU Students

| Item | I Prize | II Prize | III Prize |
|-------------------|---------|----------|-----------|
| Project/Working | 12,000 | 9,000 | 6,000 |
| Model Still Model | 8,000 | 6,000 | 4,000 |

Five Consolation Prizes of Rs.2,000 each.

Separate prizes will be awarded for winners in each region

For Schools

| Item Project/Working | I Prize | II Prize | III Prize |
|----------------------|---------|----------|-----------|
| Model | 7,000 | 5,000 | 3,000 |
| Still Model | 5,000 | 3,000 | 2,000 |

Five Consolation Prizes of Rs.2,000 each for Project/Working Model

Project/Working Model Exhibition: This event is for exhibiting and demonstrating working projects in any field of Science and Technology. The evaluation will be based on innovativeness, feasibility and cost-effectiveness, presentation skills, and project applications.

Still Model Exhibition: This event is for demonstrating project ideas through models or prototypes. The models may be physical. The prototypes may be prepared using paper/ plastic/ thermocol/ glass, etc. for demonstration. The evaluation will be based on innovativeness, feasibility, eco-friendliness, presentation skills, and project applications.

Projects can be based on, but not limited to, the sectors listed below.

- Agriculture
- Education
- Fisheries
- Waste Management
- Health
- Renewable/Sustainable Energy

For a detailed problem statement visit www.ssth.in

Women empowerment

At SSTH 2024, we are committed to driving innovation and social impact through technology and creativity. This year, we are excited to introduce a special prize category dedicated to women's safety. This initiative aims to encourage participants to develop innovative ideas and projects that address one of the most critical issues in our society today—ensuring the safety and empowerment of women everywhere.

Why Women's Safety?

Women's safety is a fundamental right and a pressing concern worldwide. Despite technological advancements, there are still many gaps in ensuring safety and security for women in public and private spaces. By focusing on this theme, we hope to inspire solutions that can:

- Enhance personal safety through technological innovations.
- Improve emergency response systems.
- Raise awareness and provide education on women's safety issues.
- Create supportive communities and networks for women.

What We Are Looking For:

We invite participants to submit their ideas, prototypes, or fully developed projects that demonstrate innovation in the realm of women's safety. Possible areas of focus include, but are not limited to:

- **Wearable Safety Devices:** Smart jewelry, clothing, or gadgets with built-in safety features.
- **Mobile Applications:** Apps for real-time safety tracking, emergency alerts, or safe transportation.
- **AI and Machine Learning Solutions:** Predictive algorithms for threat detection, behavioral analysis, or safe route recommendations.
- **Community-Based Platforms:** Networks or apps that foster community safety initiatives or provide support services.
- **Educational Tools:** Solutions aimed at educating women and the broader public on safety practices and awareness.

Why Participate?

By participating, innovators have the unique opportunity to:

- **Impact Society:** Develop a solution that could significantly enhance the safety of women worldwide.
- **Gain Recognition:** The winning project will receive a special prize, along with widespread recognition across various media platforms.
- **Collaborate and Network:** Connect with other passionate innovators, industry leaders, and potential investors.
- **Access Resources:** Gain access to mentorship, workshops, and tools that can help bring your idea to life.

Prize and Incentives:

The winner of the special prize for women's safety will receive:

- Mentorship opportunities from leading experts in technology and social innovation.
- A chance to present their project at a prominent technology conference.
- Media coverage and promotion through our event channels and partner networks.
- Exclusive cash prize for best project in women safety



SSTH 2024 - Calendar of Events

| Sl.No. | Schedule | Event |
|--------|--------------------------------------|-------------------------------|
| 1. | 1st September to 20th September 2024 | Ideation & Awareness Program |
| 2. | 1st September 2024 | Registration Starts |
| 3. | 15th October to 30th October 2024 | Talent Boot Camp |
| 4. | 10th October 2024 | Registration Ends for Funding |
| 5. | 7th to 8th November 2024 | Be with Engineering |
| 6. | 9th December 2024 | Grand Finale |

***Spot Registration is Available.**

Rules and Regulations

All the participants must register at www.ssth.in by submitting their ideas.

- The Maximum number of participants in a Team is 4 and Participants can not form a team with other school/college students.
- Highschool students can not form a team with PU college students.
- To be applicable for the top 100 Project Funding, the team registration must be done on or before 10th october 2024
- You can register your team until 30 october 2024(portal closes,contact for more details).
- The teams eligible for funding shall produce necessary bills, justifying the expenditures before receiving the next phase of the funding.
- All the prize money will be distributed in the **SSTH-2024** Grand Finale at Sahyadri Campus.
- In all circumstances, the organizing committee's and judge's decision will be final and has to be respected.
- No team shall be tolerated for misbehaving or any act of indiscipline during the event. The teams shall be immediately disqualified/ penalized/ take disciplinary actions if found harming the college property/other individual's property/an individual physically or mentally/other participant's projects, etc.
- The college shall not bear any responsibility for the loss of individuals' property or equipment or belongings or any harm caused to individuals.
- The rules can be amended or subjected to change during the course of the event. In such cases, the participants will be notified.
- IP will be mutually shared between the inventor and partnering organization.



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MANGALURU

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