SSTH-2K19

The Journey of Inspiring Ideas
And Their Transformations.

Event Report

SAHYADRI

■ **VISION**

To be a premier institution in Technology and Management by fostering excellence in education, innovation, incubation and values to inspire and empower young minds.

■ **MISSION**

- Creating an academic ambience to impart holistic education focusing on individual growth, integrity, ethical values and social responsibility.
- Develop skill-based learning through industry-institution interaction to enhance competency and promote entrepreneurship.
- Fostering innovation and creativity through competitive environment with the state-of-the-art infrastructure.

SOCIAL ENGINEERING
TO EMPOWER YOUNG MINDS.

ABOUT SSTH-2K19

PREAMBLE

India aspires to become a trillion-dollar economy by 2024. To reach the mark, it needs to evolve systems and mechanisms to convert the present demographic dividend into high quality technical human resource capable of conducting cutting edge research and innovation and deep-tech entrepreneurship. Emphasis is laid on those institution that are providing higher education to serve as an impetus and technology incubator for social innovations. In India, innovation is still not the epicenter of education. In order to achieve the cultural and attitudinal shift and to ensure that 'Innovation and Startup' culture is the primary fulcrum of our higher education system, a lot of initiatives have been taken at the government level. Over the decade, *Sahyadri College of Engineering and Management* has emerged as an innovation hub in the region through its initiatives to drive community-based innovations and practices that have given rise to industries and Startups in the region.

SAHYADRI SCIENCE TALENT HUNT

SSTH is an initiative of and for young creative minds in line with the "Start-up India" Mission. It is an eight-month program that involves workshops for 10,000 students across 200 schools on Design Thinking on various community-based problems. SSTH 2k19 was the 6th edition and witnessed on the 16th November, 2019 with a mission to promote innovation and entrepreneurship. The main objective of SSTH was to promote the idea of start-ups amongst the youth, from kids as young as 12 years to graduates. It is an attempt to make students walk past the conventional idea of Engineering, that is to study close to 46 subjects, write about a 100 exams and then graduate with barely any soft skills or prerequisite knowledge required in the world of professionals.

OBJECTIVES

• **Sensitise 15000+ individuals to the community problems and encourage them to be problem solvers rather than solution seekers.** Give them a first hand experience in the field and get them to interact with the people who are facing these problems. Give them problem statements that are localised so they can see and understand why it's crucial for them to solve these problems.

• **Create a platform for 2500+ budding enthusiasts and innovators across schools and colleges to propose solutions for community based problems.** Invite eminent personalities, successful entrepreneurs and change makers who belong to these fields so the children get to hear stories about what inspired these eminent personalities and why they chose to be social workers.

• **Create a platform for local innovators. Investors, industrialists and influencers to support and nurture ideas that can uplift the lifestyle of the individuals of the community.** Sahyadri provides the students with a space to create, learn and experiment and a platform for them to make mistakes so that they can be guided through the process by mentors and guides they'll be working and learning with along the way

• **To incubate 5 ideas that have the potential to impact the lives of many.** Inspire top 5 team with ideas to take up the entrepreneurial journey and gain insights into the world of business at the stage of still being students. Allow them to make mistakes now so they can grow up to be the leaders of tomorrow.

ESTEEMED GUESTS

MADAN PADAKI
CO-FOUNDER OF GAME, 1BRIDGE, MERITTRAC AND HEAD HELD HIGH SERVICES.

VIJETHA SHASTRY
EXECUTIVE DIRECTOR OF TIE BANGALORE

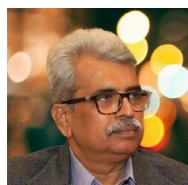### CHETAN VENUGOPAL
PRESIDENT AND CEO OF PIERIAN SINGAPORE PTE LTD

AAKARSH NAIDU
CEO OF THE STARTUPRENEUR

UDAY BIRJE
DIRECTOR OF THINKSTREET TECHNOLOGIES

TVP CHOWDRY
SENIOR PROJECT SCIENTIST, IISC BANGALORE

PRASHANTH PRAKASH
CHAIRMAN OF KARNATAKA STARTUP VISION GROUP

AKHILESH RAI
CHIEF STRATEGY OFFICER OF SUPRAJIT ENGINEERING LTD

S SRIDHAR
DIRECTOR OF ADEPT SKILLS PVT LTD

SUBRAMANIAN SIVAKUMAR
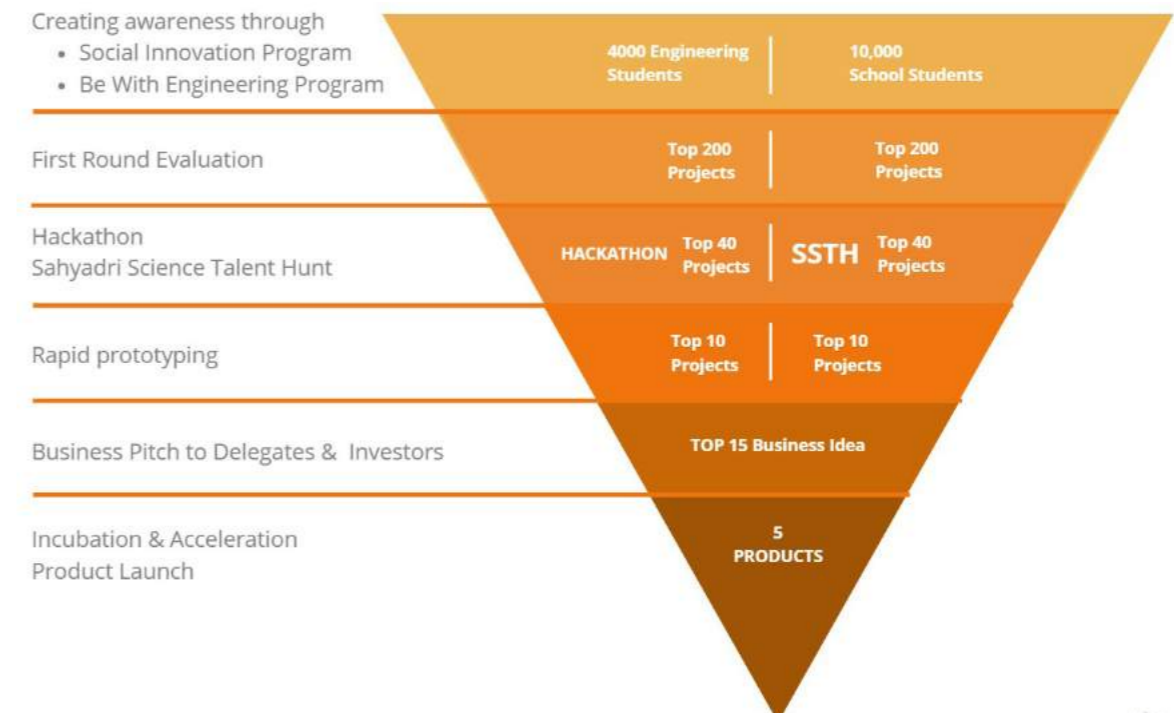CEO OF PRATIAN TECHNOLOGIES

DR.ARCHANA PILLAI
RESIDENT MENTOR AT NSRCEL, IIM BANGALORE

PROGRAM STRUCTURE

- Create awareness amongst 4000 engineering students and 10,000 school students through programs like the Social Innovation Program and Be With Engineering.
- The top 200 projects were evaluated by social experts, community heads and technocrats. These top 400 ideas were seed funded.
- The top 80 projects were shortlisted from a pool of 400 projects amongst:
  1. SSTH 2K19: The participants exhibited their proof of concepts to a committee of experts.
  2. Ideathon: This event invited students across Engineering and Basic Science streams and intellectuals working in corporate sector looking to solve ideas of different sections of the community. The team of experts then chose the top 40 ideas.
- Dreamathon 2k19 was a two-day long hackathon that urged the 80 selected ideas to demonstrate a working prototype. The proof of concepts were then evaluated by a team of experts to select the top 20 projects.
- International delegates, experts from various institutions, local investors and influencers were brought together on a single platform to evaluate the top 20 project ideas.
- The top 10 Ideas will be incubated at SHINE Foundation to provide them the necessary resources, support and mentoring to launch as a startup. The incubation period will be for 18 months within which the ideas are expected to emerge as start-ups.

Creating awareness through • Social Innovation Program • Be With Engineering Program	4000 Engineering Students	10,000 School Students
First Round Evaluation	Top 200 Projects	Top 200 Projects
Hackathon Sahyadri Science Talent Hunt	HACKATHON Top 40 Projects	SSTH Top 40 Projects
Rapid prototyping	Top 10 Projects	Top 10 Projects
Business Pitch to Delegates & Investors	TOP 15 Business Idea	
Incubation & Acceleration Product Launch	5 PRODUCTS	

BE WITH ENGINEERING

The 'Be With Engineering' Programme was initiated with the prospect of providing resources and guidance to the students with the intention of converting their ideas into prototype that are made by young creative minds, with fun and lots of learning. The process of invoking the thought in these young minds that the journey of learning, filled with laughter and lessons of life, is as important as attaining a sucessful life.

The feeling that there are no restrictions on dreams and every unique idea can be brought to life, with a little bit of guidance and the required resources are provided to these young minds. A mind that thinks about making others' life better is always a beautiful mind. SSTH was an event which motivated the young innovators to build their ideas into product. We saw that there was a necessity of guidance and resources for the students to build their ideas into prototypes. It also became an experience where students could understand that engineering is a platform where a person acquires the ability to recognize a problem and find a solution. 'Be With Engineering' was a two-day event that saw more than 250 students reside within the Sahyadri campus.

The students were made to break the negative notion associated with engineering. In the span of two days, the participants were allowed to become familiar with the campus and were given the opportunity to interact and work at the labs and explore all the resources that the college offers to engineering students.

Students from different schools and PU colleges came together, shared their knowledge and helped each other in completing their projects. They tackled the problems that they were about to solve in the way that engineers did. The first year engineering students mentored the participants and helped them find a solution. Therefore, it was more of fun along with learning. This event also helped the students of Sahyadri to bring up a teacher within themselves by sparing their time and efforts to mentor the budding innovators.

The outcome of this event was a huge participation of 250 students who came up with 100 projects. They built and displayed their project prototypes in the campus in a short span of just two days. Not just building the models, but they also learnt the entire flow of converting their ideas into prototype.

BWE AT A GLANCE

YOGA SESSION

MENTORING SESSION

REFINEMENT OF IDEAS

COLLEGE TOUR

PROGRAMMING WORKSHOP

ELECTRONICS WORKSHOP

PROTOTYPING WORKSHOP

INSPIRING WORDS FROM CHAIRMAN

INDUSTRY AND STARTUP VISIT

CAREER GUIDANCE WORKSHOP

MOCK PRESENTATION

AIR SHOW

CULTURAL NIGHT

SSTH GRAND FINALE

SSTH 2k19 is initiated with a mission of promoting innovation and entrepreneurship in the Canara region as a result of an eight-month program that involved workshops for 10,000 students across 200 schools on Design Thinking on various community-based problems.

Panel discussion was set up for the students where they were allowed to interact with the guests. In the panel discussion, Mr. Prashanth Prakash spoke about how entrepreneurs think and the skill of building over knowing how to build. He also highlighted the fact that entrepreneurship is not just a start-up but also about grabbing opportunities. Mr. Subramanian Sivakumar stressed on the cost of failure and how one must calculate it to work. Mr. Madan Padaki shared insights on the difference between an entrepreneur and entrepreneurial thinking. He shared that entrepreneurial thinking is the basis of being an entrepreneur. Mr. Chetan Venugopal shared his views on how one can succeed in this world. He also spoke about what should be done in order to take your company to a global level. The panel discussion ended with a question and answer session.

The participants were introduced to the true spirit of engineering and the resources that Sahyadri has to offer for their growth. Mr. TVP Chowdry gave a clear idea about Start-ups and updated the audience on how to scale Start-ups. Mr. Akarsh Naidu and Mr. Siddharth Rajhans conducted a session on how entrepreneurship as a career could be preferable. The session was about how one can identify problems and come up with a solution that later could be converted into a product and also the challenges faced by entrepreneurs. SSTH was a platform for students to learn from each other and share knowledge. The curtains of SSTH 2019 came down with the felicitation of the winners.

SSTH AT A GLANCE

1200+ STUDENTS INSPIRED TO PARTICIPATE

400 IDEAS ON LOCAL PROBLEMS PRESENTED

40 IDEAS SELECTED AND AWARDED

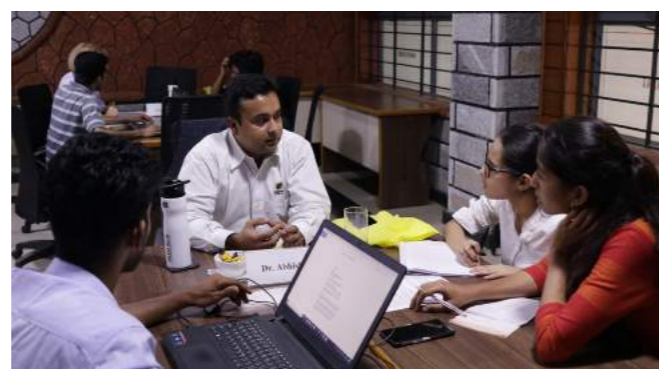**15+** STARTUPS PARTICIPATED IN STARTUP TALKS

IN-UNITY 2K19

In-Unity, organised on 2nd December, 2019 as an extension of SSTH, envisions to bring into shape the ideas and prototypes into the realm of business. The winners of SSTH 2K19 were rewarded with the opportunity to be mentored under the launchpads and startups of Sahyadri for 100 hours. Techincal resources and assistance were provided to fine-tune the existing prototypes. The teams were given training in terms of curating a business model canvas, building minimal and effective presentations and communicating effectively during a business pitch. They were made aware of the perspective of investors and the startup ecosystem. Essentially, they were given the tools and resources to rise to the international standards and face the international delegates confidently.

Sahyadri got to host three eminent personalities, Ms. Elena Churina (Chairman of the Agency for Innovative Development of Regions), Mr.KimPeng Foo (Adjunct Associate Professor (Entrepreneurship) at Singapore University Technology Design) and Dr. Abhishek Vaish (Served as the head of Science and Technology wing of the Embassy of India, Moscow). The students gained multiple insights through interactions with the guests. In-Unity also created a platform for local innovators, investors, industrialists and influencers to support and nurture ideas that can uplift the lifestyle of the individuals within community.

The performance of the 15 teams during the pitching session was outstandingly. They received valuable feedback and were able to tune their business models to meet the needs of the market in a better way. The delegates provided their inputs on the current scope of innovation during the valedictory ceremony in order to enlighten the young minds. The five teams were awarded with the opportunity to be incubated at Sahyadri Hub for Innovation and Entrepreneurship - SHINE. The selected ideas will be mentored to become fully-fledged business ventures.

TRANSFORMING IDEAS TO PROTOTYPE

10,000	100+	40	5
AWARENESS PROGRAM	HOURS OF IDEATION SESSION	IDEAS SHORTLISTED	IDEAS INCUBATED

SUPPORTED BY INDUSTRIES

Aaptra
IT Solutions & Embedded
Technologies Pvt. Ltd.

SAHYAWARE
A civil Engineering based Company

Research Design Lab
RDL Technologies Pvt. Ltd.

CALIPER ENGINEERING & LAB PVT. LTD.
A Center for Mechanical Engineering Start-ups & Incubators

SUPPORTED BY LAUNCHPADS

FLOTANOMERS
WE SPACE YOU

DTI Labz Pvt. Ltd.

MANFRAME COMPUTERS
Dont Despair, We Repair

DSI Dream Soft Innovations

Sahyadri Edu Dreamers R&D Pvt. Ltd.

MEDIA COURTESY

DECCAN HERALD

THE NEW INDIAN EXPRESS

THE HINDU

THE TIMES OF INDIA
LET TRUTH PREVAIL

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Feedback

The Chairman has an undying and persistent vision which drives the Start-Up culture at Sahyadri. Karnataka now stands as the No.1 State in innovation. SSTH should reach every corner of the State in the years to come and help Karnataka to be a model innovation hub not only in the country but in Asia and the rest of the world.

PRASHANTH PRAKASH
CHAIRMAN OF KARNATAKA STARTUP VISION GROUP

The passion of Mr. Manjunath Bhandary towards the field of education is worthy of praise. Of all the engineering institutes, Sahyadri is the best Engineering College I have ever visited.

BHARATH SHETTY
PRINCIPAL OF A. J. INSTITUTE OF DENTAL SCIENCES

Great initiative by Sahyadri and SHINE, should take it to national scale.

MADAN PADAKI
CO-FOUNDER OF GAME

I have been given a wide range of opportunities through Sahyadri. The support system and mentorship from the college has been great. I have learnt things here that i wouldn't have learnt in any other event.

VARSHA SHETTY
WINNER OF SSTH 2K19

SAHYADRI
COLLEGE OF ENGINEERING & MANAGEMENT
MANGALURU

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