Highlights and Achievements

- Academic MoUs with National & International Institutions
- Govt. Research Center, Incubation, Placement & Training Center supported by Industries and VTU
- National Level Awards for Sahyadri students Projects - IIT's, IIIT's and ISc
- Project funding by Management to facilitate "Project based Learning"
- Sahyadri Center for Social innovation and Entrepreneurship Cell
- Sahyadri MBA has been ranked 35 in all India level beyond IIM's and Featured one among the top 10 MBA Colleges in Karnataka
- Sahyadri MBA is ranked 49 among the top 50 Private B-schools in South India in Best B- School Survey 2015 conducted by Week Magazine.

Brochure designed by first year students's of Sahyadri
DESIGNEE'S
Abhishek Mallya | Gaurav B L | Nirmal G M | Shreyas C

SSTH
EMPOWERING
YOUNG MINDS

SAHYADRI

Science Talent Hunt - 2018
Showcasing Science & Innovation Through Projects

IN SEARCH
OF
GREAT MINDS

Grand Finale 2018

Official contact +91 944984 5959 | **Email:** ssth@sahyadri.edu.in | **Web:** www.ssth.in

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SAHYADRI
COLLEGE OF ENGINEERING & MANAGEMENT
MANGALURU
&
KARNATAKA GOVERNMENT RESEARCH CENTER
MANGALURU

VK ವಿಜಯ ಕರ್ನಾಟಕ

ಸಹ್ಯಾದ್ರಿ ಸೈನ್ಸ್ ಟ್ಯಾಲೆಂಟ್ ಹಂಟ್ ಉದ್ಘಾಟನೆ

THE NEW INDIAN EXPRESS

Grand finale of Sahyadri talent fest concludes

TIMES NEWS NETWORK

Mangaluru: A total of 300 projects of 1,500 students were part of the Grand Finale of Sahyadri Science Talent Hunt (SSTH) 2018, held here on Saturday.

It was inaugurated by Karisidappa, vice-chancellor, Visvesvaraya Technological University (VTU), with other dignitaries by coding in one of the SSTH Projects named –'Mini CNC (Computer Numerical Control) developed by the I PU students of Govinda Dasa College, Surathkal.

K T V Reddy, president of Institution of Electronics and Telecommunication Engineers (IETE), New Delhi; S Seetharamu, a scientist in Central Power Research Institute; Ved Prakash, chief knowledge officer at Trianz; Siddharth Rajhans, TEDx and motivational speaker and others were the guests during the event.

Johnson Tellis, project coordinator, giving out details, said that it is a community initiative of Sahyadri and aims at imparting scientific knowledge in budding young enthusiasts. He mentioned that more than 100 colleges were reached out to, covering 15,000 students finally resulting in funding 300 projects of 1,500 students on the finale day. He added that during the course of SST event, the team has nurtured more than 100 scientific ideas.

Karisiddappa said students of rural areas who are deprived of opportunities are given a forum with mentors from institutes and industries.

He said it is for the very first time in his three decades of teaching career that he has participated in an event like this. He added that all scientific ideas come from nature. "Nature speaks to us and we should understand the nature's language. If we understand this, we become globally renowned professionals." He urged the students to convert the projects to something which is beneficial to the society. He concluded his speech by reiterating that the country will only be recognised for the knowledge it possesses.

ವಿಜಯವಾಣಿ

ಸಹ್ಯಾದ್ರಿ ಕಾಲೇಜಲ್ಲಿ ವಿಜ್ಞಾನ ಮಾದರಿ ಪ್ರದರ್ಶನ

ಉದಯವಾಣಿ

ವಿದ್ಯಾರ್ಥಿಗಳ ಚಿಂತನೆಗಳಿಂದ ನೂತನ ಆವಿಷ್ಕಾರ

ಸಹ್ಯಾದ್ರಿ ಸೈನ್ಸ್ ಟ್ಯಾಲೆಂಟ್ ಹಂಟ್ ಉದ್ಘಾಟಿಸಿ ಡಾ. ಕರಿಸಿದ್ದಪ್ಪ

SAHYADRI
COLLEGE OF ENGINEERING & MANAGEMENT
MANGALURU

Cordially invites you to the annual event

SAHYADRI
SCIENCE TALENT HUNT – SSTH 2018

Saturday 10th November 2018
10:00 AM - 4:00 PM

In the August Presence of

Dr. Karisiddappa
Hon'ble Vice Chancellor
Visvesvaraya Technological University

Dr. K T V Reddy
President, IETE, New Delhi

Dr. S Seetharamu
Director, National Design and Research Forum
Former Director - Central power Research Institute

Mr. Ved Prakash
Chief Knowledge Officer
Trianz, Bengaluru

Mr. Siddharth Rajhans
Policies & SDG's United Nations.

Mr. Aakarsh Naidu
Founder - The Shhhhhartupreneur
Ex - NSRCEL, IIM Bengaluru

Mr. C Nagaraj
GM, Solidux Hitech Products, Bengaluru

Mr. Pranav Hebbar
Co-founder, Make Room India, Bengaluru

at Sahyadri Campus, Mangaluru

Mr. Johnson Tellis Project Co-ordinator	**Mr. Vaishak N L** SSTH Co-ordinator	**Dr. R Srinivasa Rao Kunte** Principal

Faculty, Staff & Students

www.sahyadri.edu.in

Sahyadri Science Talent Hunt - SSTH

The Government of India has felt the need to initiate and enhance student interest in Science & Technology. IITs and IISc began organizing Science Conclaves every year to create awareness and interest among the students. However, organizing such a challenging event is a strenuous affair due to a high magnitude of institutions in the state. Therefore, Sahyadri College of Engineering & Management feels that it is its responsibility to take this up as an initiative and started Sahyadri Science Talent Hunt - SSTH, to encourage students to take up projects and give life to their ideas.

Sahyadri Science Talent Hunt is an annual gathering in which eminent national and international scientists provide a platform for free interaction to young students and teachers in order to showcase the excitement of scientific works and investigations which will in turn motivate them to take up the study of science as their career. The main objective of this program is to provide a platform for exhibiting new ideas and the creative work of young talent of PU/+2 colleges, creating curiosity towards science and latest technologies along with exchange of views and ideas with their peer group.

Objectives

- To inspire, motivate and give thrust to Scientific and Technological Education, Research and Development.
- To bring together scientists, technocrats and students in a relaxed and informal atmosphere and encourage meaningful dialogue amongst themselves.
- To organize personal encounters with eminent scientists of different generations and cultures.
- To continue to enhance Scientific and Technological Education leading to the developmental growth of the country.

GUEST PROFILE

Dr. Karisiddappa

Dr. Karisiddappa, Vice Chancellor, Visvesvaraya Technological University, Belagavi. He has teaching and research experience of about 34 years in the field of Structural Engineering. He has published 47 research papers in refereed International and National Journals, in the area of Concrete Technology, Finite Element Analysis, Neural Networks, Structural Stability and Soil Structure Interaction. He is a member of professional bodies like FIE, MISTE, FIA Structural Engineers etc. He is a member of Governing Councils such as KEA, Department of IT, BT, and ST, Bengaluru, Water Land Management Institute, Dharwad.

Dr. K T V Reddy

Dr. K T V Reddy, an Alumni of IIT Bombay, is presently the President of Institution of Electronics and Telecommunication Engineers (IETE), New Delhi. He is a well-known academician and strong administrator and has received several awards at National and International level. Some of them are "4th B R Batra Memorial National Award" for the year 2006, "Life Time Education Achievement Award 2007" by Health and Education Development Association, New Delhi, "Best Educationist Award – 2011" by International Institute of Education and Management, New Delhi and "Asia pacific International award – 2012" by Global Achievers Foundation.

Dr. S Seetharamu

Dr. S Seetharamu received his PhD from Indian Institute of Science in 1982. He worked in CPRI since 1985 and retired as Director in June 2015. Energy Technology and Materials Engineering are his areas of interest. He has worked in the Industry and also has served as a faculty at Toyohashi University of Technology, Japan. He is a leading Scientist in Central Power Research Institute which is contributing towards the development of Electrical Industry in India.

Mr. Ved Prakash

Mr. Ved Prakash is Chief Knowledge Officer at Trianz, a global professional services firm helping Fortune 1000 organizations transition to a digital enterprise by leveraging on Cloud, Analytics, Digitalization & Security. He was earlier Head of Knowledge Management at CGI, Prior to CGI, he was with Wipro for twenty years as Chief Knowledge Officer in the last six years. He has been recognized with Global KM Leadership Award in 2018, Most Impactful KM Professional in 2016, Most Influential KM Professional in 2015, and KM Leadership Award in 2014.

GUEST PROFILE

Mr. Siddharth Rajhans

Mr. Siddharth Rajhans is a Harvard educated first generation technology entrepreneur, a Silicon Valley Technocrat, management researcher, TEDx and motivational speaker and Pioneer of the Outernet Technology in India and the Asia Pacific Region. He has been a student of the prestigious Harvard University in the US since 2017 and has distinguished himself professionally with his illustrious career spanning across Silicon Valley and Singapore with tech giants, in varied roles across product management, innovation, developer relations and supply chain. He is an award winning innovator having been awarded at many IIM's, IIT's, NIT's and universities across India.

Mr. Aakarsh Naidu

Mr. Aakarsh Naidu, an alumnus of The London School of Economics and Political Science, is on the advisory panel of the Global Startup Awards (SAARC). He is on the advisory panel of the Global Startup Awards, Small Enterprise Business Awards and has participated in the unveiling of the Startup India Action Plan in Delhi. He is a regular speaker on startups and has presented on platforms like NITI Aayog, Headstart, Nasscom, Startup Asia Berlin and Bosch to name a few. He served as the board member of LSE Energy Society.

Mr. C Nagaraj

Mr. C Nagaraj obtained his PG in Tool Design. He has a work experience of 22 years. Techno commercial, Product Design, Tool Design, Cost reduction, Industrial productivity improvement and Operational cost optimisation are his fields of interest. He has a vast work experience, working in Singapore, Malaysia and other Asian Countries. He has worked with the technical team of fortune 500 companies like HP, Toyota, Shimano, Sony.

Mr. Pranav Hebbar
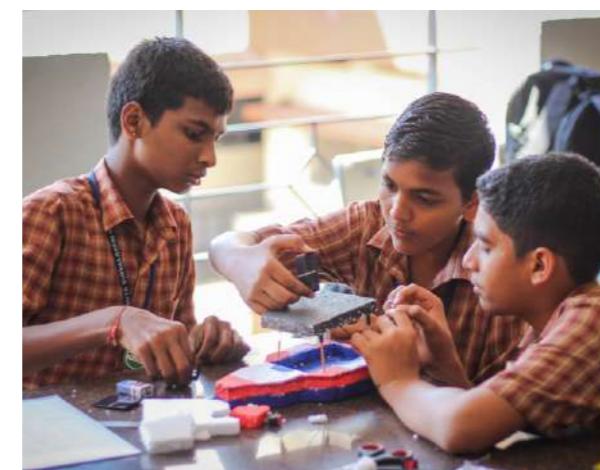
Pranav Hebbar is a social entrepreneur, startup consultant and an adviser to not-for-profit enterprises. Passionate about education and creating an inclusive society. He co-founded Make Room India, an Indo-European social change ecosystem. He also designs programs, fellowships and spearheads university relations. He mentors early stage entrepreneurs in building a need-based product .

Be With Engineering

The 'Be With Engineering' Programme was begun with the prospect of giving resources and guidance to the students with the intention of converting their ideas into products. Products that are made from 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 making it to the end containing the happiness of success in life.

The feeling that there are no restrictions on dreams and that every unique idea can be brought to life, if a little bit of guidance and the required resources are provided to these young minds. A mind that thinks about making other's 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 was a platform where a person gets an ability to recognize a problem and find a solution.Be With Engineering was a two days' event where the students stayed within the Sahyadri campus.

They were made to break the notion of school students getting associated with engineering.In the span of 2 days the participants were accustomed to the environment at Sahyadri and were given the opportunity to interact and work at the labs and explore all the resources that the college offers to engineering students.
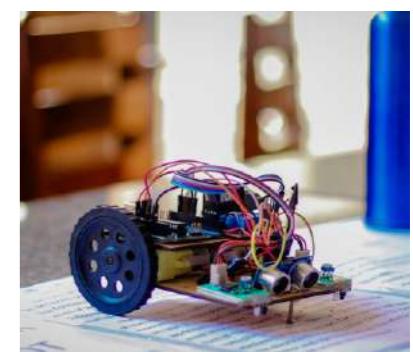
Students from different schools and PU colleges came together, shared their knowledge and helped each other in completing their projects.They tackled the problems that they were about to solve in the way that engineers did. The first year engineering students mentored the participants and helped them with all that they couldn't sort out on their own. 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 putting up 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 products.

BE WITH
ENGINEERING - 2018

TWO DAYS
STUDENT - ENGINEER
INTERACTION PROGRAMME

Grand Finale of the Sahyadri Science Talent Hunt

The grand finale began with lighting of the lamp in the presence of Dr. Manjunath Bhandary, Chairman – Bhandary Foundation, Dr.Karisiddappa, Hon'ble Vice Chancellor – Visvesvaraya Technological University, Belagavi, Dr. K T V Reddy, President, IETE, New Delhi, Dr. S Seetharamu, Director, National Design and Research Forum, Former Director - Central Power Research Institute, Mr. Ved Prakash, Chief Knowlegde Officer, Trianz, Bengarluru, Mr. Siddharth Rajhans, Policies & SDG's United Nations, Mr. Akarsh Naidu, Founder – The Startupreneur, Ex – NSRCEL, IIM Bangaluru, Mr. C Nagaraj, GM, Solidus Hitech Products, Bengaluru, Mr. Pranav Hebbar, Co-founder, Make Room India, Bengaluru, Dr. D L Prabhakara, Director, Sahyadri College of Engineering and Management and Dr. R Srinivasa Rao Kunte, Principal. 'Panel Discussion' was held where students were allowed to interact with the guests. Dr.Karisiddappa spoke about how knowledge plays a vital role in an individual's life. He mentioned about personality development by enhancing knowledge through implementing ideas practically.

He spoke about how one could do self-learning with the help of digital media and utilizing resources. The panel discussion ended with Question and Answer session where students asked questions to the panelists. Students shared their experiences in front of the crowd. They also shared their experiences in 'Be With Engineers' programme among those who missed it this year. Faculty members from other schools and colleges shared their thoughts too. Dr. Manjunath Bhandary addressed the gathering by sharing how the idea of SSTH evolved through the last these 5 years. He said that it all started with having a mission of bringing technical awareness among the students, but now the mission has changed to converting the projects into products. He said that the main aim of SSTH was to bring up entrepreneurs irrespective of their age factor.

He also spoke about using technology to share knowledge. Dr. K T V Reddy shared his happiness regarding having young minds communicating to the dignitaries on the dais. He mentioned about

drawbacks of implementing shortcuts in one's life and copying others' ideas. Dr. S Seetharamu gave a beautiful thought regarding how we learn to earn our daily living and contribute to the country. In the panel discussion, Mr. Akarsh Naidu spoke about how students can leverage the resources available to them in terms of educating themselves with new skills that are coming up and how they could stay relevant. He spoke about making use of online courses available over the internet. Mr. Siddharth Rajhans explained the power of social media and its presence in an individual's life. He spoke about making use of digital media, following passion and believing in oneself. Mr. Ved Prakash shared few inspirational stories and mentioned how age was just a number to achieve anything in life. He spoke about importance of building curiosity among students. Mr. Pranav Hebbar explained about digital education by relating it with democracy.He thanked the schools and colleges for letting students get involved in this event.

He spoke about opportunities provided by Sahyadri in letting students participate in IIT and NIT events. Mr. Akarsh Naidu and Mr. Siddharth Rajhans conducted a session on how entrepreneurship as a career could be preferable. The session was about how to identify problems and come up with a solution that could be converted to a product. The session was also about challenges faced by entrepreneurs. Here, the students interacted with the speakers and discussed some issues as well.

The students showcased the models that they built and shared knowledge among the peers from other schools and colleges. SSTH was a platform for students to learn from each other and share knowledge. The curtains of SSTH-2018 came down with awarding ceremony for winners.

Grand Finale
Sahyadri
Science Talent Hunt - 2018

Winners of Sahyadri Science Talent Hunt

SPACE JUNK CLEANER

Concern about space junk goes back to the beginning of the satellite era, but the number of objects in orbit is rising so rapidly that researchers are investigating new ways of attacking the problem. Several teams are trying to improve methods for assessing what is in orbit, so that satellite operators can work more efficiently in ever-more-crowded space. Some researchers are now starting to compile a massive data set that includes the best possible information on where everything is in orbit.

FIRST PLACE

MANGALORE REGION 1

NON-WORKING MODEL

Expert PU College

Team members:
-Prajwal Nayak
-Rahul R Naik

Winners of Sahyadri Science Talent Hunt

E-HOME

E-home ensures safety of your home and family. It gives one touch control to your entire home environment. A true smart home that is intuitive and simple to use, meaning everyone in the family can operate and enjoy the experience. The result is a smart system that enhances and simplifies your life. Making a home that's comfortable, safe, inspiring and fun in all our short lists of life goals.

SECOND PLACE

MANGALORE REGION 1

NON WORKING MODEL

Mahesh PU College

Team members:
-Sohan M K Raja

CLEANOLOGY

Cleaning of water bodies play a vital role in protecting environment. We can collect metal waste by magnetic separation method i.e, By dipping a strong magnet in water using a long pole so that it can attract the pieces from the river bed. Plastic particles should be removed in such a way that it doesn't disturb the marine life. So, a particular frequency of sound is sent to the water body which makes the fishes and other organisms move away from that region. A whirlpool of small magnitude very close to the river bed is created. It is then moved around slowly up to certain distance due to which the plastic wastes rise up and get accumulated in the eye of the whirlpool. A net is put inside when it cools down or any device such as submarine could be sent to collect the waste. The collected plastics could then be recycled.

THIRD PLACE

MANGALORE REGION 1

NON WORKING MODEL

Expert PU College

Team members:
-Harshith R N
-Chiranjeevi Vasant
-P Lehar
-D Karan

AI POWERED AGRO TECH

In this project, the entire farm is in control of the system run by artificial intelligence. The main motive is to look after the farm even though there is no human surveillance. This is basically implemented for crops in the fields which detects the moisture contents and supplies water whenever the water content seems to be less for that particular crop. It is supervised by Arduino micro-controller. The lever of moisture is detected with the help of moisture sensor. The humidity sensor detects the humidity around the farm and sprinkles water above the crops to control the temperature. All these functionalities have been implemented in this project with the help of AI which could be run without any human support.

FIRST PLACE

MANGALORE REGION 1

WORKING MODEL

Sri Chaithanya PU College

Team members:
-Bhavith B Shetty
-Adithya N B

Winners of Sahyadri Science Talent Hunt

FREE FI

Trains while moving on the railway tracks they produce a huge amount of mechanical energy. The mechanical energy produced by a train while moving on a track is converted into electric current by using an alternator. When the current produced is passed through this circuit, it will produce Wi-Fi and transmit it over a large area.

SECOND PLACE

MANGALORE REGION 1

WORKING MODEL

Expert PU College

Team members:
-Harshith R N
-Chiranjeevi Vasant
-P Lehar
-D Karan

Winners of Sahyadri Science Talent Hunt

SMART HELMET

People sometimes don't prefer using helmets while riding. This could result in injuries if met with an accident. There are many instances where people have lost lives due to head injury. This is a helmet which doesn't let the vehicle start if the helmet isn't worn by the rider.

THIRD PLACE

MANGALORE REGION 1

WORKING MODEL

St.Aloysius PU College

Team members:
-Leswin Pinto
-Avin lobo

Winners of Sahyadri Science Talent Hunt

CONSOLATION PRIZE
St.Aloysius PU College.
DISASTER MANAGEMENT
-Melroy Lynal Fernandes,Nihal
 Rego,Ashwia Lasrado,Akash.

CONSOLATION PRIZE:
Sharada PU College.
SOUND BITE HEARING SYSTEM AND FIRE ALARM
-Sidharth ram,Maneesh M,Vishwajeeth Jm

CONSOLATION PRIZE
Mahesh PU College.
PIEZO ELECTRIC
-Yashas raj,pallavi,shyma.

CONSOLATION PRIZE:
D.R N.S.A.M PU College.
HOME AUTOMATION
-Nagraj,Manish,Dheeraj.

CONSOLATION PRIZE
Sharada P.U College.
HERO'S ENGINE
-Tejas R.

Winners of Sahyadri Science Talent Hunt

IODINE JEEP

 It is a vehicle built with environment friendly fuel. It works under the principle of electrolysis. Here an electrolyte is dissolved into a solution forming an electrolytic solution and the electrodes from an external energy or current source are immersed into the electrolytic solution. Then the cations of the electrolyte get attracted to the cathode and anions to the anode. Here we have used table salt as the element for conductivity. We have also used olivine magnesium which is found in sea water. This element helps in starting the vehicle and it is run by salt water.

FIRST PLACE

MANGALORE REGION 2

NON WORKING MODEL

St.Philomena PU College

Team members:
-Habeeb

Winners of Sahyadri Science Talent Hunt

WASTE MANAGEMENT

Waste collected from different sectors are dumped into dumping yard.There are huge belts which rotate, for which the waste is subjected. Sorting is the first process where physical removal of huge wastes take place. Second process is electromagnetism where metallic wastes are removed by subjecting it to magnet and finally the waste materials are moved to large cylinders, where wastes are segregated as degradable and non-degradable. Non degradable wastes are recycled and reused. Hence waste is managed by reduse, recycle and reuse process.

SECOND PLACE

MANGALORE REGION 2

NON WORKING MODEL

SDM PU College

Team members:
-Samreen
-Sandra
-Sinchana Shetty
-Sona

SINGLE STAGE ROCKET

A single stage rocket uses a single rocket motor or a cluster of motors to lift it's payload to the desired altitude, and most low altitude sounding rockets are of the single stage type. It reaches the orbit from the surface of a body without jettisoning hardware, expending only propellants and fluid.

THIRD PLACE

MANGALORE REGION 2

NON WORKING MODEL

SDM PU College

Team members
-Manoj B V

POWER GENERATION FROM VEHICLE

A method for generating electricity using high wind pressure generated by fast moving vehicles channeling the induced wind in the direction of the wind turbine. The process is then followed by converting the energy of the wind into mechanical energy by using wind turbine and then converting the mechanical energy into electrical energy by using a generating device.

FIRST PLACE

MANGALORE REGION 2

WORKING MODEL

SDM PU College

Team members:
-Sahana P
-Sania
-Sneha
-Ashritha

CARBIDE GAS PRODUCTION BY USING WATER

Carbide gas production is a technique of production of gas which can be used in thermal power plants. It could also be used as fuel for vehicles. It could be used to light file without wood. It is produced when water is poured on carbide metal. It has got huge applications in industries.

SECOND PLACE

MANGALORE REGION 2

WORKING MODEL

St Philomena PU College

Team members:
-Beven Mathew

LIFI PROJECT

In this era of internet, everybody is using one or the other gadgets for sending and receiving information. For this purpose, people mostly depend on wifi, broadband, sim cards bluetooth and related technologies. These services are used by people according to cost. Most of the highly efficient ones are costly. People prefer networks like 4G because of their high speed. But there is something that could be more efficient and cost effective. What if the information could be transmitted with the help of light? It is called Li-Fi. In technical terms, Li-Fi is a visible light communications system that is capable of transmitting data at high speeds over the visible light spectrum, ultraviolet and infrared radiation. The speed is estimated to be around 100 GB to 250 GB per second.

THIRD PLACE

MANGALORE REGION 2

WORKING MODEL

SVS PU College

Team members:
-Pranam Prabhu
-Dheeraj shenoy
-Vikram P S

CONSOLATION PRIZE
SDM PU College Ujire
RIVER CLEANER
-Mohammed Harfaz, Mohammed Hashir, Ibrahim Saseer, Likith Kumar UM

CONSOLATION PRIZE :
SDM PU College Ujire
SECURITY SYSTEM
-Ismail, Hasmitha K R, Fathima Noora, Suraksha.

Winners of Sahyadri Science Talent Hunt

CONSERVATION OF ENERGY

This project consists of models that represents various means of conserving energy and also explains some terminologies that are useful for our society.

- Petroleum gas
- Underground wire connection
- Solar panels
- Magic lift
- Plant growth syrup
- Importance of gobar gas

FIRST PLACE

MANGALORE REGION 3

NON WORKING MODEL

Sringeri JCBM College

Team members:
-Lohith

Winners of Sahyadri Science Talent Hunt

SMART ECO FRIENDLY HOUSE

In today's world, there should be no denying that we need to be more environmentally friendly as a species. Going green and using sustainable items is good for the environment, and it can help to ensure the longevity of the planet. Smart homes are surprisingly the newest frontier for green living. Over the last few years, many people have equated smart homes with technological sophistication and comfort

SECOND PLACE

MANGALORE REGION 3

NON WORKING MODEL

Viveka PU College

Team members
-Shamitha

Winners of Sahyadri Science Talent Hunt

MODERN ATM

In this model, we have implemented a technique where ATM cards need not be used, authentication and identity of user is done with voice recognition and other biometric verification. Certain new features have been added such as fingerprint verification, face recognition, retina scanning and Adhaar verification which is linked to the account. The machines do not have buttons but has a smart screen.

THIRD PLACE

MANGALORE REGION 3

NON WORKING MODEL

Trisha PU College.

Team members:
-Nithin

Winners of Sahyadri Science Talent Hunt

HOME SECURITY SYSTEM

Home security is both the security hardware in place on a property as well as personal security practices. The advantage is the ability to remotely manage your house. With this you can typically arm and disarm your security system from anywhere in the world via Web-enabled devices.

FIRST PLACE

MANGALORE REGION 3

WORKING MODEL

Trisha PU College

Team members:
-Vijay Raghav

AGRICULTURAL FIRE EXHAUST

Fire in the farm is one among the problems faced by farmers due to which they face a huge loss. Extinguishing fire is also a huge task as availability of water is also limited. This project helps in extinguishing fire with the help of certain sensors which are sound producing devices. Here, bimetallic strips are used which are made up of metals which expand on heating. They are connected to the sensors that produce sound. There is also a sprinkler that is connected to motor in the tank. In case of fire in the field, bimetallic strip will expand and sensor will produce sound. As a result, the sprinkler automatically starts which extinguishes fire.

SECOND PLACE

MANGALORE REGION 3

WORKING MODEL

Excellent PU College

Team members
-Sneha.M.
-Sahana
-Shamatha
-Sushmitha

SMART IRRIGATION SYSTEM

As much as 50% of water is wasted due to over-watering caused by inefficiencies in traditional irrigation methods and systems. Smart irrigation technology is the answer. Smart irrigation systems tailor watering schedules and run times automatically to meet specific landscape needs. Unlike traditional irrigation controllers that operate on a preset programmed schedule and timers, smart irrigation controllers monitor weather, soil conditions, evaporation and plant water use to automatically adjust the watering schedule to actual conditions of the site. It uses specific sensors to detect the various factors like humidity and temperature.

THIRD PLACE

MANGALORE REGION 3

WORKING MODEL
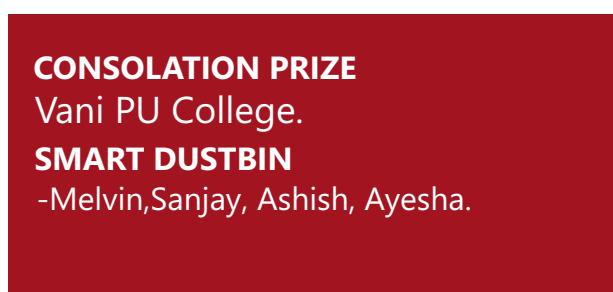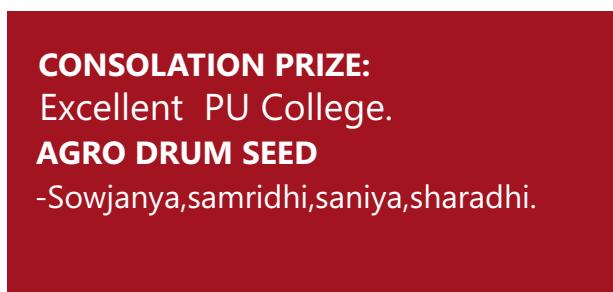
Vani PU College

Team members:
-Adhiti
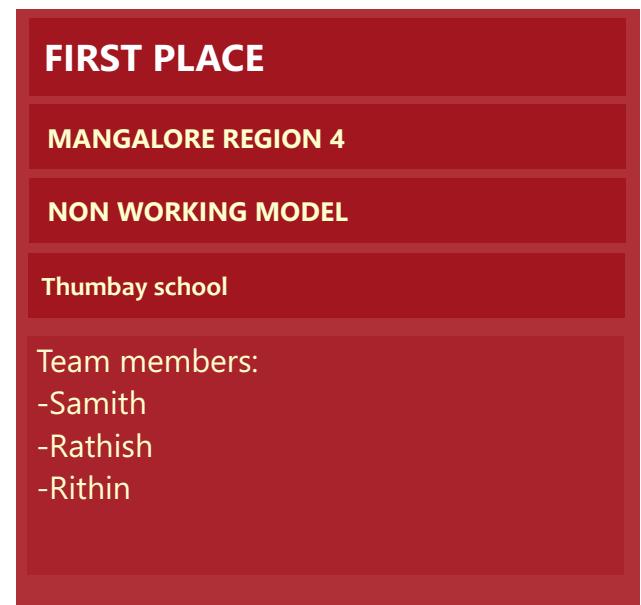
CONSOLATION PRIZE
Viveka PU college
SMART FARMING
-Narasimha Aithal,Tejaswi shetty

CONSOLATION PRIZE:
Excellent PU College.
AGRO DRUM SEED
-Sowjanya,samridhi,saniya,sharadhi.

CONSOLATION PRIZE
Vani PU College.
SMART DUSTBIN
-Melvin,Sanjay, Ashish, Ayesha.

AUTOMATIC STREETLIGHT

This project uses a circuit that automatically switches ON lights when the sunlight goes below the visible region of our eyes. It automatically switches OFF lights when sunlight falls on it (i.e on LDR) by using a sensor called LDR (Light Dependent Resistor) which senses the light just like our eyes. Street lights are used by the public and sometimes are left ON as there isn't anyone taking care of it. This mechanism could be implemented in street lights for energy conservation.

FIRST PLACE

MANGALORE REGION 4

NON WORKING MODEL

Thumbay school

Team members:
-Samith
-Rathish
-Rithin

ORGANIC MANURE

Organic manures are natural products used by farmers to provide food for the crop plants. There are a number of organic manures like farmyard manure, green manures, compost prepared from crop residues and other farm wastes, vermicompost, oil cakes, and biological wastes – animal bones, slaughter house refuse

SECOND PLACE

MANGALORE REGION 4

NON WORKING MODEL

Excellent high school

Team members:
-Sagaradeep

GENERATION OF ELECTRICITY BY SEWAGE

The technology transforms sewage treatment into a revenue generation option. Whilst effectively treating them sewage, anaerobic digestion generates a high grade of gaseous fuel- sewage gas. The methane produced can be utilised for generating electricity-renewable energy-through a biogas engine thereby making the sewage treatment plant meet its electricity requirements. Moreover, surplus power generated can be applied to the grid. The project also has a significant environmental benefit: less pollution.

THIRD PLACE

MANGALORE REGION 4

NON WORKING MODEL

Sacred Heart English Medium School

Team members
-Jeethan rohan D'souzsa
-Preetham Pinto
-Yathin M N
-Princeton Vinoy D'souza

SOLAR POWERED MULTI PURPOSE MACHINE

Solar energy could be extensively extracted from sun until it is sunny. Using solar in agricultural aspects could be a great idea for saving energy as well as money. The project, Solar powered multi-purpose machine is capable of doing various activities for which the farmer doesn't need man power. They are as follows:

1. Cleaning the field by cutting all the unwanted plants
2. Fertilizing the soil
3. Irrigation
4. Spraying pesticides to the crops

FIRST PLACE

MANGALORE REGION 4

WORKING MODEL

Vivekanda English Medium school

Team members:
-Karan m bhat
-Athishay jain
-Chinmay Krishna Varma

SEWAGE TREATMENT

Now a days because of less rain we have scarcity of water for our daily life.Due to this it has been very difficult to get water even for our basic use. So to overcome this problem,mankind has brought some measures to solve problem.Sewage water treatment which is also one kind of experiment by which used water can be recycled and reused.This project can get some awareness about wastage of water and lack of water on the earth. By this project we can minimize the usage of water.

SECOND PLACE

MANGALORE REGION 4

WORKING MODEL

Sudana high school

Team members
-Rakshith GP
-Sumith Banari
-Safrin Farhan

CLEAN GANGA RIVER PROJECT

The motive of this project is to clean the contaminants present in water bodies. This cleaning equipment floats and moves on the water surface which is operated with a remote. The system is unmanned and is powered by DC operated batteries with simple techniques. The system will collect the garbage from the river using a conveyor belt that drops them into a collection box. It is one amongst the efficient way of cleaning which also reduces labour cost.

THIRD PLACE

MANGALORE REGION 4

WORKING MODEL

Mahalingeshwara School

Team members:
-K.N.Anirudh

CONSOLATION PRIZE:
Sudana High School
ACCIDENT REDUCER
-Yashas,Shri Shasta

CONSOLATION PRIZE:
Sudana High School
AUTOMATIC MEDICINE REMINDER
-Siri,Shresta,Rushali,Suhani

CONSOLATION PRIZE:
Sharadha Vidyaniketan Public
EYES ON WHEEL
-Akshilesh,Rithivk,Krishna
Prasad,Vrathik.

Working Model Project

AUTOMATIC STREET LIGHT
Shafa, Meghna,Shwetha Shetty, Shruthi

METAL DETECTING DRONE
Srujan Shetty, Ashik, Keerthan N Shetty, Pradhyumna

ELECTRICITY PRODUCTION FROM GOBAR
Rashmi RD, Adithi,Saimaa Rai, Ananya Shetty

MARS ROVER
Varna Jogi, Kittu Kumari, Sharanya,Jaseem

ECOSMART HOME
Nishel Dsouza, Reshma, Cleyona Maria Mascarenhas

AEROFOIL MODIFICATION
Varshith, Utkarsh, Shashank, Aniketh

CAMERA CAR
Chethan G Rao, Jathin,Gautham,Pratham

HOME AUTOMATION
Nagaraj, Manish, Deeraj, Manoj

FACE THE SUN-SOLAR PANEL ADJUSTER
Jibin T.V, Jomon D.J, Gilbert Mathew, Josna Thomas

RAIN WATER HARVESTING
Fathima haifa, Fathima Farasath, Manjusha,Sumith.

ROBOT VACUUM CLEANER
Kiran Kumar V, Navya,Vikitha, Keerthan

ARDUINO BASED FIRE FIGHTER
Akshay J Rai, Adithya K Shetty, Prajwal D.L, Nishan Bangera.

FREE FI
Harshith RN, Chiranjeevi K Shetty, P Lehar, D Karan.

ASPIRIN II
Muhammed Muneer, Vijay Anand K, Koduru Pranav Siddarth, Thilak G

SMART IRRIGATION SYSTEM
Aditi K, Prathiksha, Deeksha, Shreedevi

X THERMO
P Lehar, Tharun Acharya, Akhil, Nandan Kini

AUTOMATIC GATE SYSTEM
Shradha Raikote,Spoorthi S Makari, Nidhi Shetty, Adithi Attava

BIO HYBRID CAR
Akshay G H, Kashinath Patil, Manoj Kumar, Amoghavarsha GJ

AUTOMATIC WATER PUMP
Arroonha , Preran R, Suman Shetty, Abhishek M Rebello

CNC TYPEWRITER
Prajwal Nayak

SMART RUBBER TAPPER
Swasthik Malava, Charan Raj, Anson Shaun D'Souza, Krithik G

SMART DUSTBIN
Ashish shenoy, Sanjay Devadiga, Melvin Alex, Ayisha banu

POWER SHOES
Neelan S Patil, Rahul V Patil, Kedarnath Doddmani, Chirag G Pujar
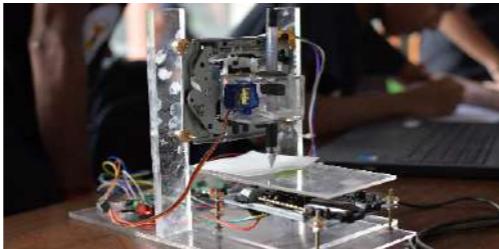
BORDER SECURITY
Sanath Bhat SM, Latheesh AM, Karthik V Nayak, Ananthesha Holla

COMPUTER NUMERICAL CONTROL MACHINE
Mohammed Safwan, Adul Mufeed

LONG RANGED CAR
Colin Joe Pereira, Sweedon, Vivina, Mahroof

CALLING BELL SECURITY
Shreejesh, Sanjay, Sumeeth shetty, Yashas

AGRICULTURE FARMING
Deepak Prabhu, Jovial Vernon D'silva

SLEEP DETECTOR
Lenson Saldana, Leswin

SMART HELMET
Avin, Aman

BLUETOOTH CONTROLLED CAR
Manvith MP, Harvin Joy, Jaison D'souza, Aman Kadhar

ANTI THEFT SYSYTEM
Oyston Obri Pinto, Adithya Pai, Pravin Kumar, Oyston

HELI SAFE
Joel Macklyn D'souza, Jerome Joseph, Rohan D'souza, Galvin

DISASTER MANAGEMENT
Melroy Iynal Fernandes, Nihal Rego, Ashwia Lasrado, Akash

LASER TECH CNC
Yashas Shetty, Harsha Bangera, Saavan Raj, Sneddan

SMART HELMET
Shashank AG, Thimothy Mathew, C Sagar, Prakshith E S

VOICE CONTROLLED CAR
Gagandeep H G, Shree Harsha Biliki, Madhusudan Pai

SOUND BITE HEARING SYSTEM AND FIRE ALARM
Maneesh M, Vishwajith M, Siddharth Ram

HOLOGORAM
Prathvi Chandra, Likith, Rajath, Rithesh NK

SAM24
Shalvian John D'souza, Chethan d shettigar, Venil, Praveen

LIGHT FIDELITY
Vignesh, Dheeraj Rao

CONVERSION OF INDUSTRIAL GASES INTO ENERGY
Swasthi S Shetty, Rachana Shenoy M, Jyothika N, Shwetha kunte

SMALLEST IS THE STRONGEST NANOTECHNOLOGY
Shashank PS, Akash, Akshay, Manjunath MR

CNC DRAWING MACHINE
Tejas R, Avaneesh, Akshar BR, Triksheth

NEXT GEN SURVELLIANCE DEVICE
Ompreeth D.R, Jeevan S.L, Andarsh.B, K.P Deepak Kumar,

AUTOMATIC FIRE DETECTOR
B. Sukumar, Pradeep Kumar, Yashwanth, Santhosh

PIEZO ELECTRICITY
Vishal, Ashlesh, Arshaq, Chirag

POLY CONVERSION ELECTRICITY
Nishanth gowda, Nachiket R.K, Prithviraj G. R, Puneeth Gowda

High School Working Model

ELECTRIC CAR
Faheem, Shazan, Prakrathi, Neha

AN INNOVATIVE SYSTEM TO PREVENT v ROAD ACCIDENT
Dhyan S Rao, Ankith Rai, Ashish shankar, Shashank

SMART CITY
Shama ,Zohara Naznem ,Mahisha

SOLAR POWERED MULTI PURPOSE MACHINE
Karan M Bhat ,Athishay Jain ,Chinmay Krishna Varma

SMART IRRIGATION SYSTEM
Lahari V Prabhu, Chandana Shankar, kumkuma Shankar, Dhanvi

SEWAGE WATER TREATMENT
RAKSHITH GP, SUMITH BANARI, SAFRIN FARHAN

SMART BED FOR PARALYSIS
Rahul, Adithya, Akshar

TREE SHIFTER ROBOT
Mithil R Poojary, Rhuthvik jail, Ronit, Pratham

AIR INK
Abhinav C Yadav, Suraj Naik, Gagan Sanil, Chetan Shetty

FARMICO
Mohammed Razi, Amogha Rao, SP Sivanarayana

AERORIDER
Nikhil Biju, Anushka Singh, Bhavana DJ

ADVANCED ELECTRONIC WATER TAP
Deeksha, Sambreena, Harshitha, Shrajana

SMART DUSTBIN
Shaun Prajwal Goveas, Arnel Ralf Lobo, Deon Mcneil Dsouza, Shaun Deniel Rodriguez

WIRELESS TESLA MOBILE CHARGER
Sanath,Tejas H, Rehobo, Yakshith N Kumar

RC FIRE FIGHTER
Mohammed Rashik, Ashok Ahmed, Parashuram

RENEWABLE ELECTRICITY AND SOLAR VILLAGE
Pranavv Raja C P, Soorya Kiran, Sudeep Hegde

SOLAR BOAT
Hemanth, Vinay Kini, Chirag J Sunil

REVOLUTIONARY LAND SLIDE STOPPER
Rohan K Shetty, Prathviraj, Jnanesh, Vijayendra Nayak

SMART HELMET
Harshith Kumar, Rahul Shenoy, Keerthana, Mahalaxmi

AUTOATIC ACCU PUNCHING MACHINE
Godric Roy, Ajay adithya Kiran, Kelvin soans, Manjunath

PEEP INTO THE FUTURE
Ankith Pai, Bhavin Shetty, Naman Karkera

GLOWING A WIRE WITHOT WIRES
Nihal M D, Adarsh P, Anush A L

SALT WATER GENERATOR
Neha, Thraisha, Nikhil, Sanath

TRANSPORTATION DEVELOPMENT
Prakyat shetty, Nithin, Thanish

AUTOMATIC WATER LEVEL INDICATOR AND CONTROLLER
Akhilesh, Varthik Shenoy, Krishna Prasad, Rithivk Ds

DEVELOPING AND MONITORING AGRICULTURAL LAND
Sarthak, Sarthaak, Kishan

MINI ANDROID TV
Akhilesh, Varthik Shenoy, Krishna Prasad, Rithivk Ds

SMART WHEELCHAIR
Yashas Up, Praneesh Shetty, Kaushik, Srikrishna

HYDRO ELECTRIC POWER AND MONKEY GUN
Himanshu, Prajwal, Chandrakantha, Deekshith

WHEEL POWERED GENERATOR
Vishwanath, Shivanandh, Bhuvan, Dhanvith

ECO FRIENDLY PADDY ROBOT
Karthik, Chinmya

E-TOILET
Ravikiran Aithal, kashyap

SMART CITY
RIHAL, NIDISH

DJ CONTROLLER
Leston, Thushar Raj, Thrithesh

WASTE MANAGEMENT USING SOLID AND LIQUID
Harsha N, Prajwal Rai, Aman Sarif, Nithesh shetty

STEAM POWER ENGINE
Meghashree, Devika raj, Sanjana Shetty, Videesha

DELIVERY VACUUM CUP
Rivaa Pinto, Agina Maria Ben, Krithika, Apoorva B

SMART CITY WITH SMART TECHNOLOGY
Dhyan, Adarsh, Shivam, Gaurav

BUBBLE MACHINE FLOOR CLEANER
Meghashree, Devika raj, Sanjana Shetty, Videesha

MORDERN TECHNOLOGY
Shivacharan J Rai, Syed Zaid, Shivacharan J Rai, Prajwal

SWACHH BHARAT
Prabhuddh, Pooja, Kusha, Rikitha

HYDRAULIC BRIDGE
Poorna G Kolya, Ranya, Rasmika R

RENEWABLE ELECTRICITY AND SOLAR VILLAGE
Pranavv Raja C P, Soorya Kiran, Sudeep Hegde

LINE FOLLWER ROBOT
Srujan S Bhat, Ranjith A S, Mahesh P K, Dhanush K

INNOVATIVE AIR COOLER
K Ruthran, Dhruthi Poojary, S Ganesh Kamath

VOICE CONTROLLED CAR
Jenish Martis, Praneel Mascarenhas, Jeston Menezes, Anvir Pinto

VERTICAL FARMING
Murali Krish Karkera, Rakshith P Shetty, Lathesh L Kulal, Manish R Rao

MAGNETIC SUSPENSION
Omkar G Prabhu, Shreesha, Pramod, Rohit

Still Model Projects

WASTE MANGEMENT TO SUISTAINBLE SOICETY
Payal jogi, Sanjana, Sheeba suvarna

E HOME
Fahiz, Fahim Mohammad, Baldev Popet, P Sohan

DISASTER MANAGEMENT
Aqueel, Dhanush, Nehal, Anurag

ACUPUNCTURE FOOTWEAR
Anvitha S D, Ananyalaxmi K, Ranjini H, Savitha

SCIENCE FOR CLEANLINESS
Krupa U, Harshita, Naveena, Jennifer Monis

IRRIGATION OF SOLAR ENERGY
Shradha Rai, Sathvik, Ashritha shetty

FUTURE TRANSPORTATION
Ankith, Pawan Kumar, Jeevan T, Akhil S R

WASTE WATER TREATMENT
Mithun, Keerthi, M C Chandan, Nandish J K

IRRIGATION OF SOLAR ENERGY
Shradha Rai, Sathvik, Ashritha shetty

CLEANOLOGY
Chiranjeevi Vasant, vineet v b, chetan jk, nickhil s atchgal

DEPRINTER THE NEW WAY OF RECYCLING
Shradha Raikote, Spoorti S Makari, Nidhi Shetty, Aditi Attavar

BIO HYBRID CAR
Akshay G H, Kashinath Patil, Manoj Kumar, Amoghavarsha GJ

MY DREAM MISSILE
Rohan P H

MASS INCREASING PROJECT
Amogh Suseelan, Anand, Shivam, Abhishek B.L

SPACE JUNK CLEANER AND ASTEROID ORBIT CH
Rohan p h, Adithya Prasad, Abhishek S, Vsishant

THORIUM CAR
S Ajith kumar, Moxal pinto

SMART LIFE SAVER
Leswin Pinto, Avin Lobo, Leswin

HOLOGRAM
Prathvi chandra, Likith, Rajath, Rithesh NK

GRAPHENE
Manthan VL, Harsha RS, Ajith MM

OUR DREAM CITY AND THE NEED TO CONSERVE
Amretha J, Prarthana M Rao, Nandini R Sharma, Shriya Pai

CONVERSION OF INDUSTRIAL GASES INTO ENER
Swasthi S Shetty, Rachana Shenoy M, Jyothika N, Shwetha Kunte

SMALLEST IS THE STRONGEST NANOTECHNOLOGY
Shashank P S, Akash, Akshay, Manjunath M R

TISSUE IRRIGATION
Arjun Bhandari, Akarsh, Pratham, Akshay Shenoy

THE POWER IN WASTE
Vijhisha V Bhandary, Vaishnavi R Bhat, Amogha Varshini B G, Saanch Suvarna

Still Model Projects

PORTABLE HYDRO ELECTRICITY GENERATOR
Samith, Rathish, Rithin,

REMOTE TIME CRACKER OR BUBBLE MAKER
swafeer, thabish, naushad ibrahim, mahammed inzuddin

CUTTING MACHINE
Ayman, Nowshaad

SEMIGE MACHINE OR BUBBLE MAKER
swafeer, thabish, naushad, inzuddin

BIO DEGRADABLE PRODUCTS
Anagha, Aashna, Manjula

OCEAN POWER PLANT
Grishma, Adithi, Shivani P Shetty, Mahalaxmi

SEWAGE ELECTRICITY BY ITS KINETIC ENERGY
Rohan Jeethan Dsa, Preetham Pinto, Yathin M N, Princeton Vinoy Dsouza

SUSTAINABLE COLONY
Mevan Louis, Ashrith, Syed Aman Sohrab, S Sathvik Shetty

SSTH Core Team

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Mr. Karthik Bhandary
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Sahyadri College Engineering & Management

Located within the city limits of Mangaluru, a popular education hub, Sahyadri College of Engineering & Management is a serene campus, offering undergraduate and postgraduate programs in Engineering along with MBA and Doctorate degrees. Established in 2007, the institute has created a niche in the higher education sector. The College is affiliated to Visvesvaraya Technological University, Belgaum and is approved by the Government of Karnataka, All India Council of Technical Education - AICTE, New Delhi, Ministry of HRD, Govt. of India. It has been Accredited "A" Grade by the National Assessment and Accreditation Committee (NAAC). To a great extent, the success of the College must be credited to the excellent academic results year after year. The College is unique and is one among the few who can take pride in having a dedicated department for researching, analyzing and developing effective methods of imparting quality education.

COURSES OFFERED:

UNDERGRADUATE COURSES
Bachelor of Engineering - B.E.
- Civil Engineering
- Computer Science & Engineering
- Electronics & Communication Engineering
- Information Science & Engineering
- Mechanical Engineering

POSTGRADUATE COURSES
Master of Technology programs
- Machine Design (Mechanical)
- Computer Aided Design of Structures (Civil)
- Structural Engineering (Civil)
- Computer Science & Engineering (CS&E)
- VLSI Design & Embedded Systems (E&C)

RESEARCH
M.Sc. Engineering by Research & Ph.D
- Civil Engineering
- Computer Science & Engineering
- Mechanical Engineering
- Computer Science & Engineering (CS&E)
- Business Administration
- Chemistry
- Physics

Master of Business Administration - MBA
- Finance
- Marketing
- Human Resource

INSPIRING SPACES

The College campus is aesthetically constructed, in the courtyard style. Courtyards provide open-to-sky in the middle, spacious class rooms with good ventilation even on the ground floor. All the spaces of the college remain well-lighted with natural light, not depending upon any artificial lights during daytime. Well-equipped laboratories, spacious library, seminar halls, and auditorium with all modern acoustic facilities, Food court & cafeteria and well developed sports facility indoor & outdoor gym are provided in the campus. Sahyadri has started an Entrepreneurship Cell to ignite the creative thinking of students towards innovation and thereby mentor them to become successful entrepreneurs by providing the right entrepreneurial ecosystem. Sahyadri is well complemented by the state-of-the-art infrastructure and modern facilities like Govt. Research Center, Incubation, Placement & Training Center, Mech-Tech Garage, Sahyadri Center for Social Innovation which includes Hands-on Experience Lab, Life Science Lab, Innovation Lab, and Product Design Lab.

Roadmap of Sahyadri

SAHYADRI CENTER FOR SOCIAL INNOVATION (SCSI)

Sahyadri Center for Social Innovation (SCSI) is to motivate the students in the area of Social Innovations and Engineering and provide hands on experience and practical exposure to solve socially relevant problems. These socially innovative practices of engineering shall truly make an impact on the society at large. All these programs are handled by the Centre of Social Innovations and Engineering. The SCSI is to motivate the students towards understanding the lab general aspects of day to day affairs and to promote application of engineering concepts in solving the problems faced by people. This lab is primarily concerned at motivating students to question the general applications, biotechnology, environmental engineering and to rethink and re-engineer the same.

PRODUCT DESIGNING LAB

This lab is specifically built to encourage entrepreneurship and to promote the start-ups in the campus. The college supports the students to convert the prototype of their ideas into products through real engineering practices. The lab provides every engineer a healthy ambience to work in and to put ideas of students into products. The lab also promotes the students to patent the projects and teaches practical and entrepreneurial skills.

INNOVATION LAB

The Innovation lab is initiated to make the engineers realize the true essence of engineering. With the problems growing in the society, the engineers should have solutions ready kits to solve those problems and thereby create an ideal environment to evolve. Based on this approach, Innovation Lab is set up to get engineering connected with society to solve their day to day problems.

HANDS ON EXPERIENCE

In order to bridge the gap between theory and practice, Management has initiated this new lab. The lab aims at enhancing the analytical skills and practical knowledge of the budding engineers. The students shall conduct experiments pertaining to different branches of engineering and shall be based on the machines that we use on a daily basis. Realizing the lack-of knowledge in general appliances due to ignorance, this scheme has been employed.

SAHYADRI ENTREPRENEURSHIP CELL (E-CELL)

The E-Cell at Sahyadri provides students with skill sets, analytical tools, perspectives, and experiences that prepare them for careers as autonomous entrepreneurs, family-business entrepreneurs or entrepreneurs in corporate settings. The strength of this E-cell is that it combines theory with practice, providing students the opportunity to test the theories, models, and strategies learned in the classroom by creating real business plans, working on other field projects, and gaining access and insight from leaders in the entrepreneurial business community.

MENTORING @ SAHYADRI

Mentoring helps the incubators and startups in finding the right path. Mentors with experience of working in different companies take part in this initiative where they help the young entrepreneurs in growing their startup.

WORKSHOPS @ SAHYADRI

Workshops focus on imparting technical and entrepreneurial knowledge to the young entrepreneurs. Several personalities from across the country visit Sahyadri to impart their knowledge and share their experience with young talents through these workshops.

SAHYADRI PROJECT SUPPORT SCHEME

SPSS is to convert the enormous reservoir of talent and creativity of students into projects. SPSS provides financial and academic support for student projects. This is the first of its kind in technical education in the country and has a major impact in improving the quality of technical education. The management has earmarked Rupees One Crore for student projects through the SPSS.

SAHYADRI SCIENCE TALENT HUNT

The objective of SSTH program is to provide a platform for exhibiting new ideas and the creative work of young talent of High School and PU/+2 colleges, creating curiosity towards science and latest technologies along with exchange of views and ideas with their peer group.

Sahyadri Achievements

FIRST YEAR STUDENTS WON NATIONAL LEVEL CONTEST AT IITS AND NITS

First Prize Light Follower @ NITK - Surathkal

Second Prize in Light Follower @ NITK- Surathkal

Third Place in Line Follower @ NIT - Calicut

Third Place in Water Rocket @ NIT - Kurukshetra

First Place in Serial Follower @ NIT- Jalandhar

Fourth Place in Line Follower at NIT - Warangal

First place for Robo-Race @ IIT- Patna

First Place in Robo-Quest @ IIT- Ghandhinagar

Dreamers

A startup initiated with an intention to bring out creativity and innovation in every student and transform the nation into a place where true purpose of education is served. We are a conglomeration of enthusiastic engineers aiming to bring technology and innovation closer which can serve humanity and make earth a better place for living.

DREAMERS dream of creating a place where every interested student can interact with team members and work in an atmosphere where they can provide wings to their dream and let it fly higher and reach the zenith.

- Group of 6-7 first year students are given an opportunity to participate in national and international event
- **530+ First year Engineering students** participated in various technical competitions at **IITs, NITs** and renowned premier institutions across the country and won many accolades.

ACHIEVEMENTS
Sahyadrians won Gold Award for
'SMART HELMET' in KPIT Sparkle 2018
at Pimpri Chinchwad
College of Engineering, Pune

CHALLENGERS
INVENT, INNOVATE & IMPROVISE

The Challengers team is a competitive club that competes in various national and international level competitions. The team is run by students, which creates a dynamic group and enables students to gain experience in technical skills.

The broad range of experiences and intensity of life as Challengers help members to understand their full potential as engineers. By looking beyond our hilltop to the rest of the world, we are encouraged to work consciously towards the greatest dream we can envision.
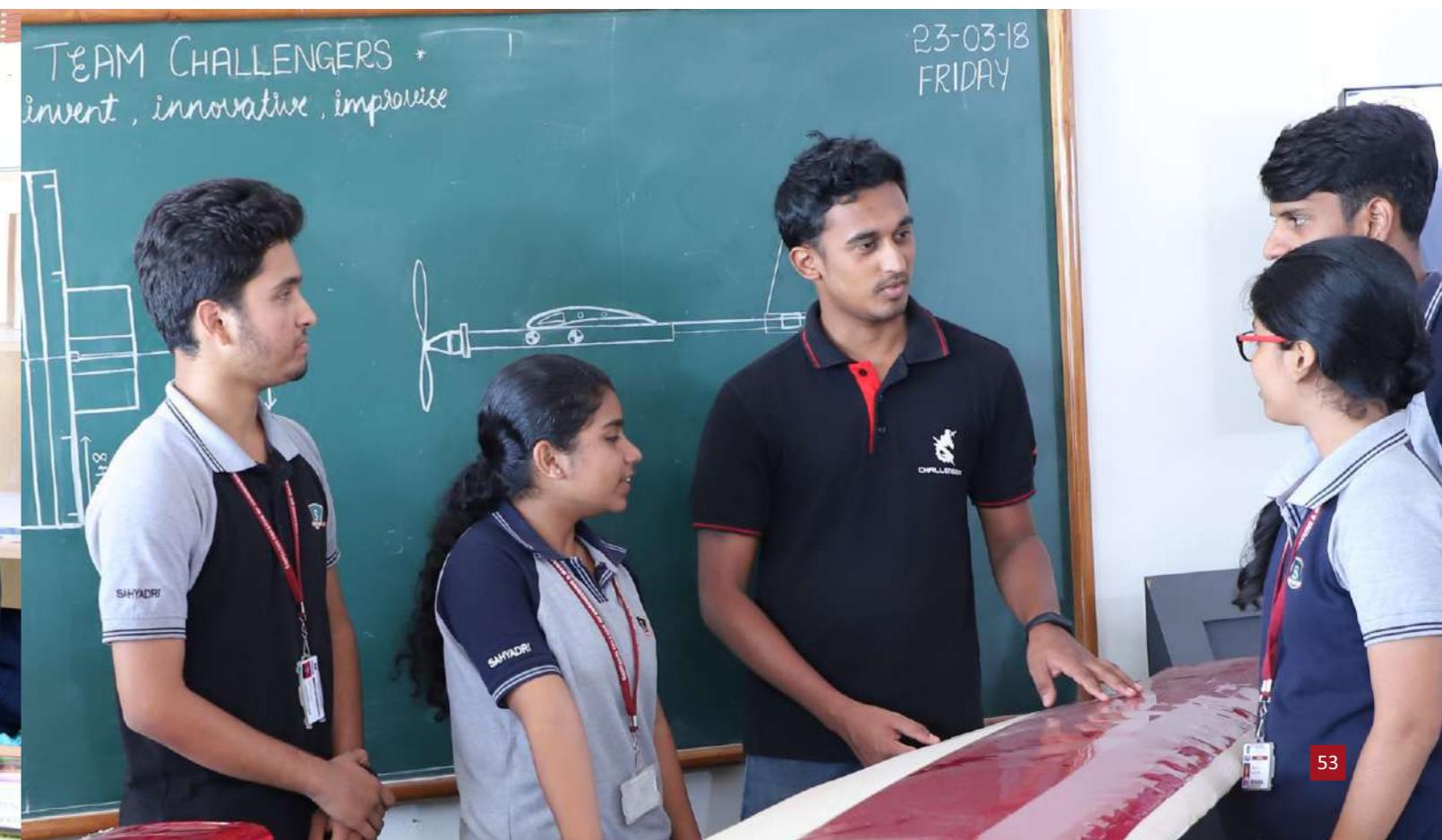
Team challengers is a part of Robotic Club of Sahyadri College of Engineering and Management. Team having experience in various national level competition in fields of electronics and mechanical engineering is all set to take up an international challenge. Members are dedicated undergraduate students from various disciplines of engineering, passionate towards aerospace engineering and aeronautics. An endeavor to chase the new dimensions of engineering in the contemporary competitive world, crave kinetics of aeronautics.

ACHIEVEMENTS
Overall 9th, Oral Presentation 7th and
Payload Lifting 6th
at SAE Aerodesign 2018, California, USA.

Participated in SAE International
Aerodesign West held at
Fort Worth, Texas and Florida, USA

Research Design Lab

An Electronics & Communications
Engineering based Company

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RDL Technologies Pvt. Ltd.

Research Design Lab - continues to maintain product excellence and performance by introducing innovative cost effective solutions to cater to the needs of industry and students who dream to innovate and excel in the field of Electronics and Engineering- thus supporting an array of domains in real time, providing solutions you can count on.

COMPANY OFFERS

Research Design Lab are dedicated to provide electronics product design, reverse engineering, and manufacturing services to allow your business to stay competitive and meet your customer needs with complete product design including electronics hardware design, software design, design for manufacturer DFM, design for EMC compliance and approval to CE and other certifications

PATENT WORKS

Sl. No.	Title	Application No
1	System and Method of Determining Facial Skeletal Pattern	2064/CHE/2014
2	Musculoskeletal Disorder Diagnostic System	1767/CHE/2014
3	Visible Light and Infrared Based Cellular Communication	201641033858
4	Device For Location Determination	201841009816
5	System And Method For Hybrid Variable Length Partial Pulse Modulation	201841015125

Vertical
• Embedded System design
• Machine Learning
• Artificial intelligence
• Automation and Robotic
• Industry IoT and Cloud
• Software Application
  development
  (APP/desktop/Web)

RDL Products
• R-LiFi
• RDL IoT Gateway
• RDL IoT -Sense
• RTU Modbus Gateway
• LF / UHF RFID reader
• Industrial Data Logger
• RDL IIoT RPi 3.0
• RDL IIoT RPI zero
• Call Bell Swatch Bharath

Internship, Training & Workshops
• Embedded System design
• RToS
• Industry IoT and Cloud (ML/AI)
• Automation and Robotics (ML/AI)
• HMI Development (APP/desktop/Web)
• Software Testing
• Networking and security
• PCB Designing

RDL Technologies won "BEST PRODUCT INNOVATION"
Award in NITTE-KBL MSME Conclave 2018

Mr. Raghavendra G Shetty
CEO
RDL Technologies
raghav@rdltech.in

Aptra Technologies Pvt. Ltd.

A Computer Science Engineering and Information Science & Engineering based Company

Aptra Technologies Private Limited is product development IT Company located in Mangalore, India. Aptra provides highly qualitative, timely delivered and cost-effective software solutions to our esteemed customers from various domains.

Aptra has a result-oriented team working with the latest technologies, assuring our clients total quality with accuracy and high value returns. Our Research & Development team continuously explores new

Aptra Products

01. AptraEDU

AptraEDU is an Educational ERP Software Solution which has been designed specifically for educational institutes - schools, colleges and universities. AptraEDU helps to optimize all campus related processes and is scalable to meet the ever changing requirements of the educational institutes.

technologies to give our clients the best software solutions. We are pioneers in developing and maintaining applications for Client/Server, Web and Mobile technologies that leverage the full capabilities of smartphones and cloud services. We believe that the recent explosion of interest in mobile and tablet computing is going to continue and we want to help your business embrace this new era of technology.

02. SmartSkool

SmartSkool mobile app can easily be set-up and integrated with the AptraEDT that enables parents to view "**attendance information, behaviour levels, current and historic school reports and progress in the core subjects.**" This means that parents will be able to review information of their child at the touch of a button, making teacher-parents meetings more about exploring options than reviewing levels.

SPECIALIZATION
- Web Application Development
- Mobile App Development
- Native App Development
- E-commerce and portal development.
- Digital Marketing and Branding.

COMPANY OFFERS
- Exclusive Education ERP for Schools and Degree colleges
- Comprehensive ERP for Engineering colleges
- Software Development & Maintenance – Customized Projects
- Email solution & Bulk SMS service
- SEO Services
- Domain Registration & Hosting solution
- Graphic Design

VERTICAL & DOMAINS
- IT - Education
- IT - App Development

COURSES OFFERED
- Web Application Development
- Mobile App Development
- Cloud Computing

INTERNSHIP
- Responsive web application
- Hands-on App Development
- Software Development & Maintenance

Mr. Rajesh Naidu
Program Director

SmartSkool

Application Software Development

Internship, Training & Workshops

Website Development & Maintenance

Inventory Manager

Our leading asset tracking software enables you to manage inventory and assets across your company. Track vendors, move inventory across locations, and customize low stock threshold alerts for optimized inventory management. Scan barcodes and QR Codes with our mobile app to get a taste of inventory control software on the go.

CALIPER ENGINEERING & LAB PVT. LTD.

A Center for Mechanical Engineering Start-ups & Incubators

CALIPER is equipped with state of art ultra modern machinery / equipments / software to serve 'NICHE' Industries like Aerospace, ISRO, Defence, Nuclear, Ship Building, Oil & Gas and to up-skil Mechanical Engineering Students to be "**Industry Ready**" **Sahyadri becomes the FIRST Private Engineering Institute Campus in India** to be equipped with an integrated high tech composite manufacturing hub cum industrial training center.

Craftly blended with young & experienced human resource as well as bringing global manufacturing experience, Caliper is gadgeted with high precision CNC Machines, 3D CNC CMM, Robotic Welding, Aerospace Industry specific NDT equipments.

Caliper is also a platform for learning "Best Manufacturing Practices" through real time production, in-line with 'Industry 4.0'

Caliper is also a launch pad for budding engineers for their "Start-ups" & act as "Mechanical Incubators", which is very rare in our Country.

"It's not about Ideas. It's about making Ideas happen"

OFFERS INDUSTRIAL TRAINING AND INTERNSHIPS

CNC Machining
• CAD / CAM – Level I &II
• CNC Machining – Level I & II
• Professional CAD modelling
• CNC Turning Center/Vertical Machining Center.

Metrology & Measurement
• Basic & Advanced Metrology & Measurement
• 3D CNC Co-ordinate Measuring Machine

Non Destructive Testing (NDT) & Welding Technology
• Basic & Advanced NDT & welding practices
• Visual Testing with ASNT Certification
• Magnetic Particle Inspection with ASNT Certification
• Liquid Penetrant Testing with ASNT Certification
• Ultrasonic Testing with ASNT Certification
• Professional Welding Inspector
• Robotic Welding

S M Sunder
CEO
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DSI Dream Soft Innovations

ABOUT THE COMPANY

Dream Soft Innovations (DSI) is an entrepreneurial venture with technocrats proficient in software technology. DSI has been continuously contributing in the vertical of software technology and redefining education with smart tech products. DSI has empowered the global market with its quality software services.

INNOVATION PRODUCTS

Technological advancements have shaped each and every aspect of our lifestyles: from how we communicate to how we work to how we entertain ourselves. Education is no exception in this matter. EDGE - Our augmented reality app and platform enables students and teachers to visualize 3D models in the real environment, in real time, and at scale. Bridging the gap between the virtual and physical worlds, EDGE changes the way we see, imagine, and learn about the world around us.

EDGE

ACHIEVEMENT

Finalists in 'Elevate 100' organised by Department of IT & BT, start-up cell Karnataka, KBITS, AVGC. One among top 5 product in 'International Science Fest 2017-startup summit', Organised by AICTE at Chennai.
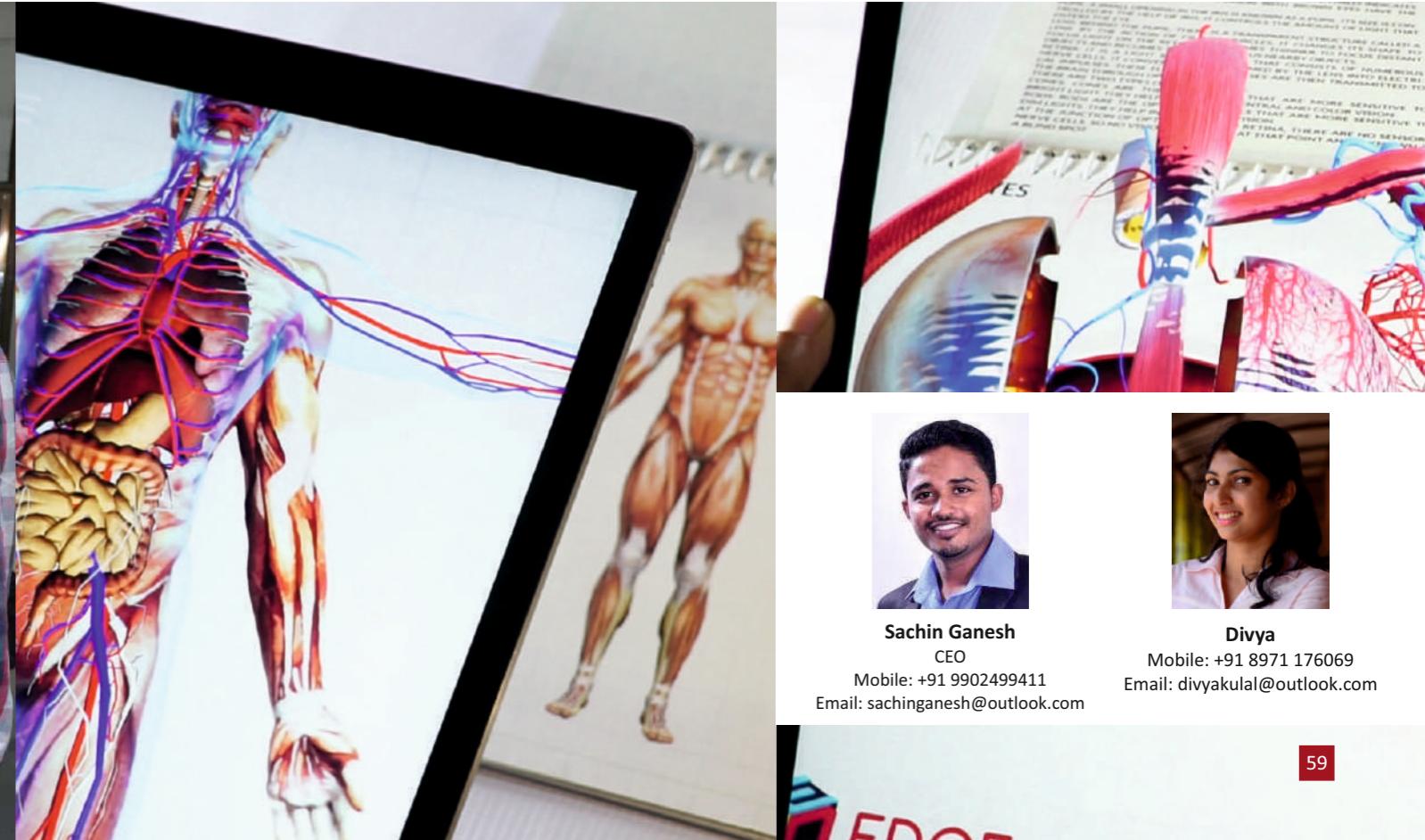
One among top 10 product in 'Global Innovator Fest-2017', held in South Korea with participants from all around the world.

SPECIALIZATION

• Computer Vision
• Computer Visualization
• Software Development

Realizing Dreams Through Technology.

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DTILABZ Pvt. Ltd.

About the Company:

Incepted in the year 2016, DTILABZ endeavours to develop progressive technological solutions for the betterment of humanity. By promoting opportunities to innovate, we hope to empower budding talents to explore their true potentials and contribute to the society. the goal is to design and develop electronic hardware products, help and provide continuous support from initial design concepts, through the prototype and pre-production stages, right up to and including product launch and manufacture.

Innovation Products:

DREAM-KIT (Plug-and-play hardware kit programmed using drag-and-drop smartphone app.) DREAM KIT is an electronics platform based on plug-and-play hardware and drag-and-drop software. With over 27 modules, one can do over 200 projects ranging from switching ON-OFF a bulb to actuating motors based on gestures, right after opening it from the box. All that you need is a smartphone, DREAM KIT and your creative imagination to engineer a project for yourself, or home or school.

COMPANY OFFERS

The team is well versed in developing Electronics based Hardware Products and in the field of Electronics.

SPECIALIZATION

- Research and Development
- Product innovation / development
- Electronics
- Hardware Design

VERTICAL

- Hardware Product Development
- Electronics
- Hardware Design

DOMAINS

- Research and Development,
  Rapid prototyping, Product Designing and Manufacturing.
- Embedded Systems, IOT, Power Electronics, Wireless Communication, Electronics in Robotics
- Designing, Simulation, PCB Fabrication, Assembly and Testing.

INTERNSHIPS

Interns are offered for students who wish to carry out Research (company products or personal ideas), Business and Product Development.

TRAINING AND WORKSHOPS

- Workshops on Internet of Things, Robotics and Electronics.
- Event based training (for national and international events)
- Hardware based Hackathons.

ACCOMPLISHMENTS

One among the Finalist of NUMA, Bengaluru Incubation Program.
Accomplished 700 individual users of the kit.
DREAM Kits have been used in National and International Events, which have won multiple accolades. .

Contact Person

"Its not about Ideas. Its about making Ideas happen."

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SAHYAWARE
A civil Engineering based Company

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Sahyaware is a startup, as a result of amalgamation of energetic young minds and experienced experts. The company promises quality services in the tailor made application software and training for the needy.
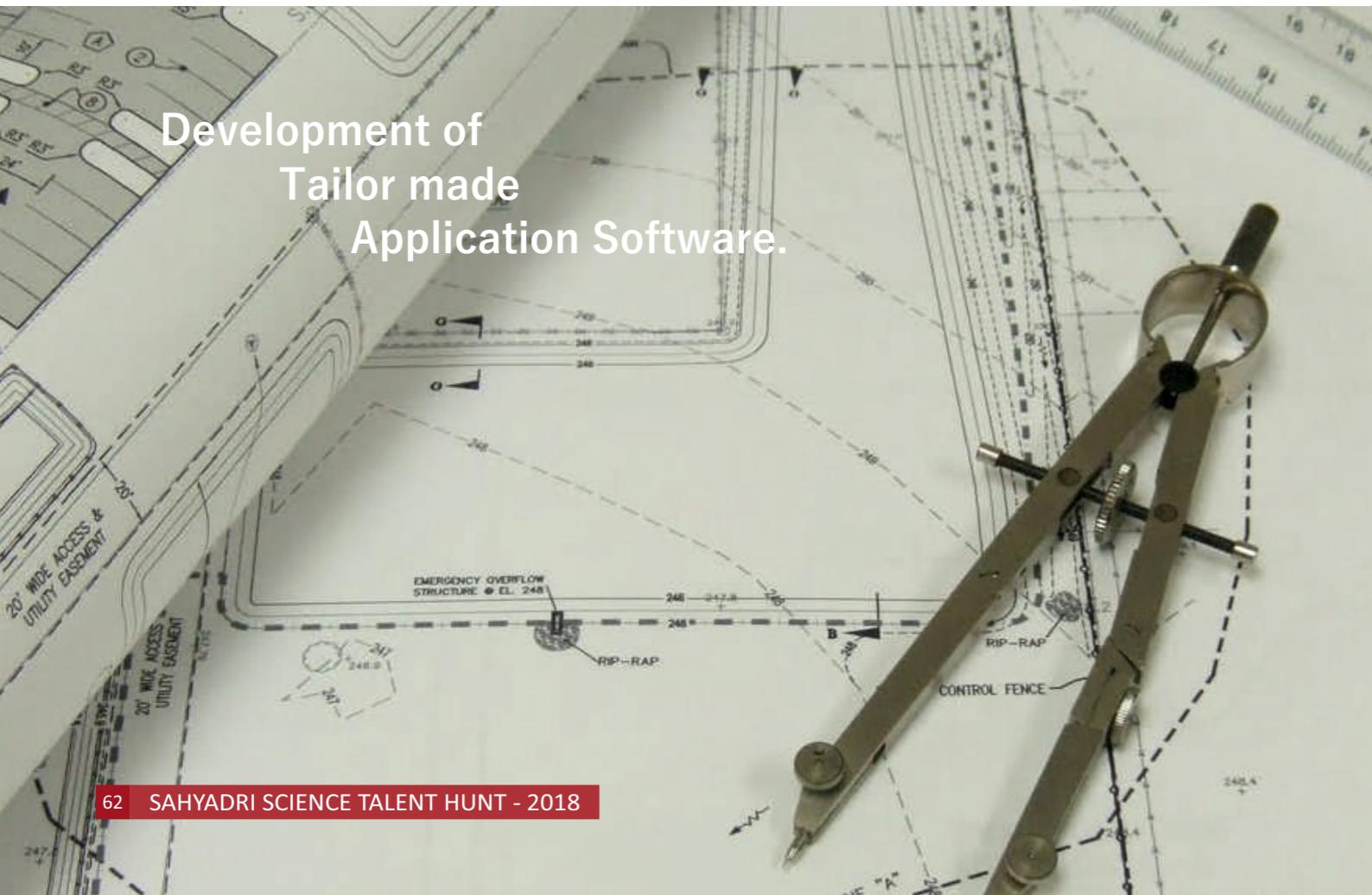
COMPANY OFFERS

• Internship Training • Value Added Courses
• Civil Engineering Software Training

Mr. Sunil Kumar Rai
+91 99165 96562

PRODUCTS

• Systematic training in engineering software development.
• Development of tailor made application software.
• Hands on experience on standard software products in real time live projects.
• Innovative course material for steep learning curve.

SPECIALIZATION

• Engineering software development.
• Finite element analysis.
• Core engineering application softwares.

Website: www.flotanomers.com
Mail: info@flotanomers.com
Mob: +91 94498 45967

Flotanomers
Research & Development Pvt. Ltd.
- An Aerospace Company

We provide aerial solutions for industrial, environmental and agricultural sectors. The products are custom designed and tested in all possible conditions. We started this venture in order to make our innovative ideas to products and the knowledge into services. We have worked on these ideas since 2012 from the beginning of our engineering days. We have the spirit to go beyond the bounds of possibilities, as well as give opportunities to young enthusiasts. This start up is the first step towards our vision.

WHAT WE DO!

We provide a wide range of Unmanned Aerial Vehicles, Micro UAV, Commercial Drones, Fixed Wing Drones, Industrial Drones and also offer Aerial Solutions for industrial, environmental and agricultural sectors. The drones are custom designed and tested in all possible conditions.

WHO WE ARE!

We started this venture in order is to make our innovative ideas to products and the knowledge into services. We have worked on these ideas since 2012 from the beginning of our engineering days. we strongly believe that we can make the impossible happen in our country we will grow as well as we will give opportunities to young enthusiasts.

COMPANY ACTIVITIES

UAV Manufacturing & Solutions

Development of
    Tailor made
        Application Software.

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MANFRAME COMPUTERS
Dont Despair, We Repair

Manframe Computers Private Limited initially started with computer repair and expanded with sales, services,and training associated with basic electronics, computer card level and also computer advanced chip level. Providing all types of information enabled services and to carry on designing and dealing with computer hardware and basic electronics,managing institutions for imparting education in computer technology.

To carry on the business to manufacture, design, develop, formulate, buy, sell, import, export, provide on rent / annual contract basis of computers and a wide variety of other computer peripherals, personal computers, storage devices, audio and video equipment, semiconductors and other electronics components and wired and wireless communications devices

To carry on or undertake in India or elsewhere, either alone or in collaboration with any Person, firm or company, whether Indian or foreign, the business of providing training, consultancy,and services in the area of computer technology.

KEY FEATURES
• Internship
• Career Guidance
• Intensive training in the chip and card level
• Training in basic electronics and schematics
• All Payment Mode Option
• Live Project Training
• Free Demo Class Available
• Industry Expert Faculties
• Individual Approach for Every Student
• Doubt Clear Session
• Crash Course Duration - 20 hours
• Full-Time Course - 40 hours

SPECIALIZATION
• VLSI BOARD REPAIR
• ELECTRONICS
• SYSTEM DATA RECOVERY

TCE
TECHNICAL CAREER EDUCATION
Industry Connected Institute

Mobile: +91 94498 45938
E-mail: info@tce360.com
Web: www.tce360.com

In today's competitive world, the industry is looking for particular skill sets from a student along with their academic qualification. It requires students to continuously look for ways to develop his or her skills, abilities, and competencies to enhance their performance. Through our Technical Career Education program, the students gain effective skill enhancement training and become more capable, competent, and confident to start their careers.
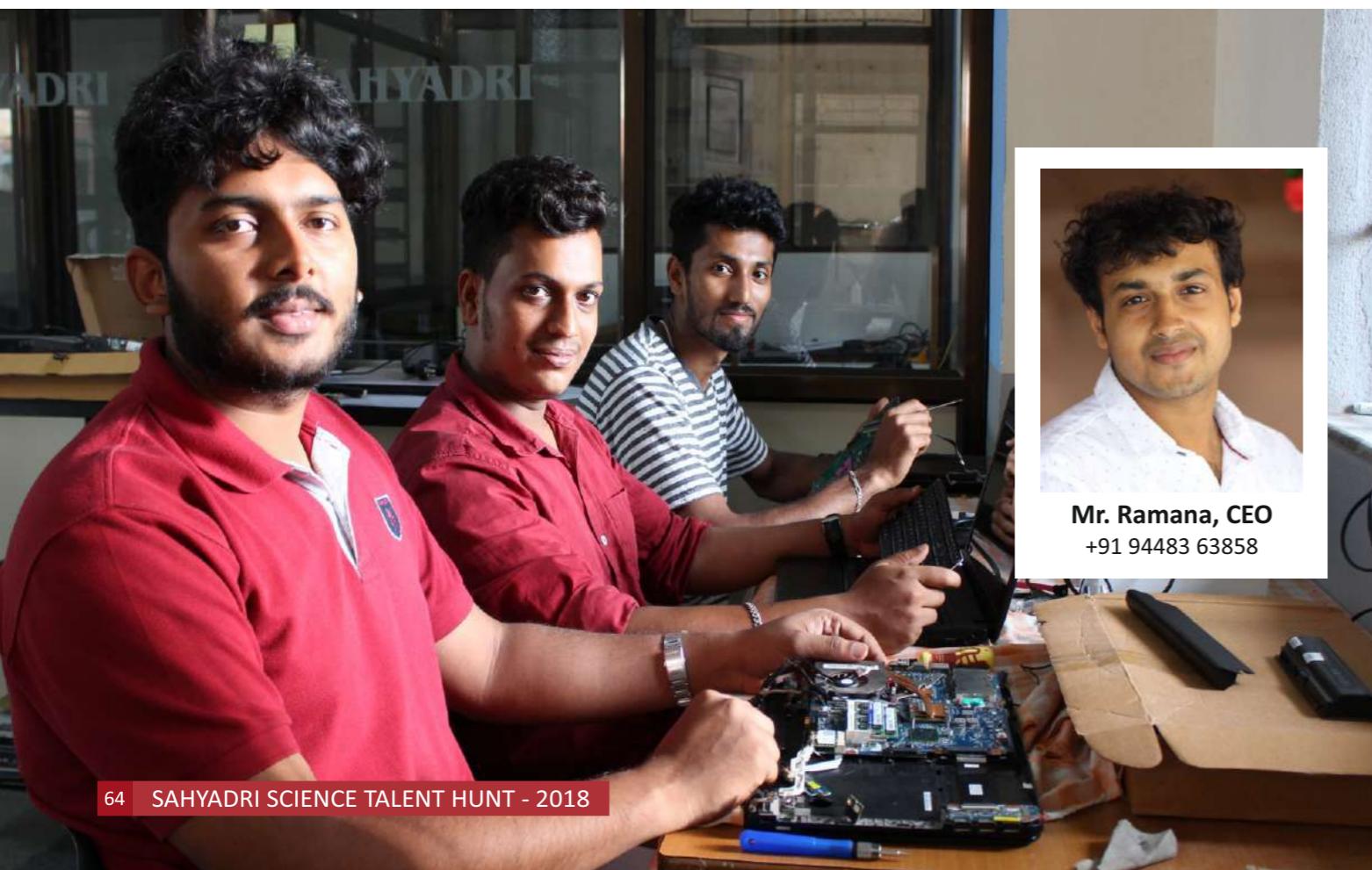
Sahyadri Engineering college is a pioneer in transforming engineering students into industry ready professionals, enabling them to have better employable opportunities. Our TCE program envisages specific skill set training to students by providing real time industry environment within the campus and the students are trained by actual industry professionals. This enables them to spend more time in the real-time industry and learning the skills actually required and demanded by the industry. They can further choose their career by selecting customized industry oriented courses and specialization certifications offered by the industry.

Technical Career Education - TCE has entered into MoU with Sahyadri College of Engineering & Management and various Start-up companies which have been started within the campus. These companies are being managed and mentored by industry professionals having an average of over 15 years of experience in relevant industries.

VALUE ADDED CERTIFIED COURSES

TCE certified courses for students for industry ready professionals. Specific training on trending domains such as cloud computing, Machine learning and Artificial intelligence, data analytics, Networking, ethical hacking, embedded system designing, Industry 4.0, Industrial Internet of Things – IOT and so on.

Mr. Ramana, CEO
+91 94483 63858

Mr. Sandeep S Pai

Sahyadri Placement Cell

PLACEMENT FEATURES

• The objective of the Placement Department is to make the students industry ready. Through extensive industry-specific training, it enhances the effectiveness of the students aspiring for placement

• Online assessment from Olive Board - earning & placement platform which is being used by top engineering colleges in Karnataka for their 3rd & 4th year batches.

• Off-campus placement support and also assessment from the CoCubes.

• In house aptitude training for the students of 3rd & 4th semester teaching them the basics of aptitude

• In house aptitude training for the students of 5th & 6th semester with practical exposure in solving aptitude tests.

.• Mandatory for the pre-final year students to complete 1 project successfully and undergo internship in at least one company, while for the 2nd year students it is mandatory to complete 2 projects successfully and undergo internships in 2 companies

.• At Sahyadri we have adopted the Culture of involving students in projects from the first stsemester, where students are expected to identify social problems and in all the preceding semesters they develop ideas into concept, the concept into a project and finally the project into a real product for the benefit of society.

> " Life after education in Sahyadri...
> A Sahyadri Degree arms the students with best chances for success in their chosen field.
> It opens doors and offers a wide range of opportunities. "

RECORD IN PLACEMENTS

The academic year 2017-18 has reaped rich rewards with a sizeable number of students recruited by 180+ leading companies.

The Department of Placement is headed by the Placement Officer and a Placement Co-ordinator. The department is entrusted with the responsibility of ensuring that students are well placed professionally, thereby bringing to a successful culmination the students' efforts in the program. The objective of the departments is to train the students as per the requirements of the industry. This is done through extensive industry specific training/internships, to enhance the effectiveness of the students aspiring for placements. The placement cell has also set up Aptitude Lab for continual assessment of students.

FACILITIES

• 600 computers for online test
• Auditorium with a capacity of seating 800 students
• 4,000 candidates can be tested in one single day
• LCD, Computer and Technicians for Pre-Placement Talk (PPT)
• Separate rooms for written tests, group discussions and interviews.

Ranked AAA in BEST
Engineering College survey by Career 360

510+
STUDENTS PLACED IN INDIA & ABROAD

Placed in silverpeak ₹21* Lakhs P/A

Ajaygan K, Mech
Placed in ANGLO-EASTERN
₹14* LPA

Tripthi J Bangera, MBA
Placed in Deco Emirates
₹12* LPA

Rafih M, IS
Placed in amazon
₹11.7* LPA

Ravi Yadav, IS
Placed in SAP
₹10* LPA

Placed in MOONRAFT INNOVATION LABS PVT LTD
₹8* LPA *CTC