

ISO Certification



Accreditation from the IAO (International Accreditation Organisation)
The institution is awarded with ISO 9001-2008 certificate,
from TUV Nord, Germany



Highlights and Achievements

- Accredited Grade 'A' by the National Assessment and Accreditation Committee - NAAC
- Sahyadri Ranked 38th among the 100 B Schools across India and Ranked 7th among the Top B schools with Excellent industry exposure and Top 20 Emerging B Schools in India.
- 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
- "Best Young Innovators" National Award for 'Smart Helmet' a joint initiative of AICTE, Department of Science & Technology, Government of India and CII was held at IIT Delhi
- Sahyadri recognized as Advanced Partner Institute in Campus Connect Program by Infosys

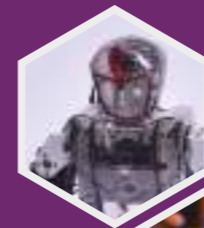


SAHYADRI

Science Talent Hunt - 2017

Showcasing Science & Innovation

Through Projects



Grand Finale 2017

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Designed By : REVEURS



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





SAHYADRI
COLLEGE OF ENGINEERING & MANAGEMENT
MANGALURU
in association with
KARNATAKA GOVERNMENT RESEARCH CENTER
MANGALURU

Cordially invites you to the annual event



SAHYADRI SCIENCE TALENT HUNT - SSTH 2017

Saturday 11th November 2017
10.00 am - 4.00 pm

In the August Presence of

Sri Santosh S. Lad
Hon'ble Minister for Labour and Employment
Govt. of Karnataka

Prof. S N Omkar
Dept. of Aerospace Engineer
Indian Institute of Science, Bangalore

Prof. Vijay H. Desai
Professor, National Institute of Technology
Karnataka - NITK

Mr. M. V. Subramanian
Managing Director
Future Focus Infotech Pvt. Ltd.

at Sahyadri Campus, Mangaluru

Dr. C. K. Manjunath
Chief Co-ordinator
Management, Staff & Students

Sahyadri Campus, Mangaluru - 575007 | 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.
- Creating awareness in Research and Development.



Guest Profile

Mr. Santosh S. Lad



Sri Santosh S. Lad, is Hon'ble Minister for Labour and Employment, Govt. of Karnataka. Santosh Lad is called People's Leader, Congress Leader and Present MLA of Kalghatagi Constituency in Hubli - Dharwad district of Karnataka state. He currently is an active member and represents Indian National Congress. He was an active member of the sports community and actively participated in local tournaments and state level competitions. He participated in U-21 Cricket state-level tournament KSCA representing Tumkur Zone as a team member and as captain.

Prof. S. N. Omkar



Prof. S.N.Omkar is currently working as a Chief Research Scientist at the Department of Aerospace Engineering, Indian Institute of Science, and Bangalore. His research involves both computational and experimental approaches. Dr. Omkar is pursuing several projects and research work in the area of satellite image processing. He provides and assists Diploma, B.E, M.Sc, M.Tech students to take internship to pursue research in computational intelligence and computing (parallel and distributed) field.

Prof. Vijay H. Desai



Prof. Vijay H. Desai, Senior Professor in the Department of Mechanical Engineering, NITK, Surathkal. His area of interest are Composite Materials, Functionally Graded Materials, Machining, Sensors and Actuators, Manufacturing Processes. He has guided three PhD candidates and currently supervising there research scholars in various mechanical engineering disciplines. His significant contribution is in establishing Composites lab under DST-FIST Scheme and Robert-Bosch automation lab at NITK, Surathkal.

Mr. M. V. Subramanian



Mr. M. V. Subramanian is the Co-Founder & Managing Director of Future Focus Infotech Pvt. Ltd. (FFI), a premier IT Staffing & Software Consulting Services Company. Popular in the Investment community and respected for his keen business acumen, MVS is often consulted to ideate, incubate and model different start-up ideas through his association with TiE (The Indus Entrepreneurs) & IAN (Indian Angel Network).

Grand finale of the SAHYADRI SCIENCE TALENT HUNT

SSTH 2017, the annual event was held in Sahyadri Campus in the august presence of Prof. S N Omkar, Chief Research Scientist, Dept. of Aerospace Engineering, Indian Institute of Science (IISc), Bengaluru, Prof. Vijay H Desai, Senior Professor, Dept. of Mechanical Engineering, NITK, Suratkal, Mr. M V Subramanian, Co-Founder & Managing Director of Future Focus Infotech Pvt. Ltd, Mr. Basanagouda M Patil, Director, BLDE Association, Columnist & Writer, Deccan Herald & The Indian Express, President, MPATIL Foundation & Dr. D L Prabhakara, Director, Sahyadri College of Engineering & Management. During the introductory remarks, Mr. Manjunath Bhandary, Chairman, Bhandary Foundation cascaded that the reason to conduct SSTH is to

generate interest about science & technology among budding talents. He emphasized on how SSTH helps to shift from studying engineering to learning engineering and finally living engineering. He highlighted that the current 1st year engineering students of Sahyadri who participated in SSTH 2016 are now making names at IIT's & NIT's by winning places. He also re-iterated that Science & Technology Conclave would be held during Jan 6th to Jan 10th'18 in Sahyadri which would be an International Forum for students & teachers who are passionate about Science. Prof. S N Omkar, while addressing the gathering expressed his happiness to be at the event and the initiative of Sahyadri to collect talent pools & ignite their minds.



Prof. S N Omkar
Dept. of Aerospace Engineer



Prof. Vijay H Desai
Professor



Mr. M V Subramanian
Managing Director

Prof. S N Omkar, while addressing the gathering expressed his happiness to be at the event and the initiative of Sahyadri to collect talent pools & ignite their minds. He also said – in the current scenario we have ideas & concepts, however fail to take it to the consumers. He stimulated students to take their labs to life. He referred to the discoveries of renowned scientists & conveyed that the greatest inventions happened through simple experiments and not through major funding. Mr. Vijay H Desai in his speech expressed his delight towards the exhibits of the day's event. He urged students to take up their career on their area of interest and not through influencers. He encouraged faculty coordinators of SSTH from various colleges to invite professionals in engineering to their college and allow them to share their real life experiences to students which shall groom them in a most efficient manner.

Mr. M V Subramanian congratulated the participants of SSTH as they are half engineers already due to their interest

in projects & models. Once they pursue their course they shall be complete engineers & not mere graduates. Mr. M V Subramanian expressed his interest to mentor students on entrepreneurship and also advised them to host their projects on social networking sites which can fetch them appreciation and feedback. He concluded his speech by stating that “the best way of learning is teaching your friends” hence emphasizing the importance of peer learning.

The day-long event witnessed students showcasing their talent in project & model competition. They had the opportunity to interact with the guests individually as well as through the panel discussion. The panelists for the day were overwhelmed by the event and congratulated Sahyadri for hosting the unique programme. The curtains of SSTH 2017 came down with the awarding of prizes to the winners.

Glimpse of Sahyadri Science Talent Hunt



Grand Finale
Sahyadri
Science Talent Hunt - 2017



Winners of Sahyadri Science Talent Hunt

HELISAFE

World's leading Helicopter Flight Data Monitoring System. It is a real time data analyser used for safety operation, maintenance and aircraft performance. This is a user-friendly device that performs all the tasks needed by the customer. Easy installation, affordable and light weight. Requires no human interaction for data interpretation. Records all the alerts in real time and it is mailed through helices.

FIRST PLACE
MANGALURU REGION 1
WORKING MODEL
St Aloysius PU College
Project Id: R1EP13
Team members:
- Justin Rithesh Miranda
- Arpith Monterio
- Renwil Dsouza
- Jason Pravith Dsouza

Winners of Sahyadri Science Talent Hunt

TRAFFIC SIGNAL JACKET

When the traffic is heavy the automatic traffic control is not efficient as it causes traffic blocks, so this is a traffic signal controlling jacket. With the help of certain sensors that are placed in the jacket and the glows that are to be worn, the traffic signal lights can be controlled using certain gestures and simple actions. This makes a police man who controls the traffic a lot easier and stress free and also avoids a lot of unnecessary traffic blocks.

SECOND PLACE
MANGALURU REGION 1
WORKING MODEL
Sharada PU College
Project Id: R1GP2
Team members:
- Samrajya
- Bharath Kumar



Winners of Sahyadri Science Talent Hunt

SNAKE ROBO

Snake robo works on the principle of hydraulic lift i.e., equal pressure transmission throughout the fluid. When the cylinder is under pressure the ram gets pushed upwards. They carry a load of passenger and are stopped at different floor as per the requirements of the passengers. These are cheaper and easy installation. The speed is higher. This saves energy and space with no compromise with the comfort and design. This is environmental friendly. The disadvantage of this may be there is leakage of oil at the ground level.

THIRD PLACE

MANGALURU REGION 1

WORKING MODEL

Yenepoya PU College

Project Id: R1BP10

Team members:

- Syed Arman
- Shanoof Gafoor
- Saud Mohamed
- Mohamed Rahil

Winners of Sahyadri Science Talent Hunt

CONSOLATION FIRST PLACE

ST ALOYSIUS PU COLLEGE

LIFI DONGLE AND SPEAKER

PROJECT ID: R1EP18

- Akash, Amanul Husain, Tushar Glen D'silva



CONSOLATION SECOND PLACE

ST ALOYSIUS PU COLLEGE

HYDRAULIC LIFT

PROJECT ID: R1EP5

- Sweberd Sequeiri, Jovial Dsilva, Bhavish, Tasmiya



CONSOLATION THIRD PLACE

SRI CHAITHANYA PU COLLEGE

ROCKERBOGIE ROBOT AND SMARTPHONE PROJECTOR

PROJECT ID: R1KP5

- Deekshith, Sudhir, Abhishekh, Isha



CONSOLATION FOURTH PLACE

SRI CHAITHANYA PU COLLEGE

SAFETY PACK

PROJECT ID: R1KP2

- Noel, Hanin, Samarth, Sai Sumpreet



CONSOLATION FIFTH PLACE

EXPERT PU COLLEGE

ELECTRIFYING PAINT

PROJECT ID: R1CP3

- Nathan, Varun Shetty, Vignesh, Karan



Winners of Sahyadri Science Talent Hunt

TECHNO AMBULANCE

This app enable us to have a fastest ambulance service at times of emergency. This provides a 24x7 ambulance service. Ambulance serve is equipped with a mobile ICU equipped transport critical patients. This is a life saver. It has the medical provisions that are needed to provide instant and interim medics care to the patient.

FIRST PLACE

MANGALURU REGION 1

NON WORKING MODEL

St Aloysius PU College

Project Id: R1EM3

Team members:

- Avin Lobo
- Leswin Pinto

Winners of Sahyadri Science Talent Hunt

CITY OF OUR DREAMS

This is a highly advanced city. This city provides with all the unimaginable amenities and this is the highlight of the project. There are premium residential areas, state-of-the-art rejuvenating options, commercial zones, sports complex, medical centres, educational centers, etc. There are artificial Rivers. Advantage of this city is it creates efficiency. Well Designed technology tools can benefit government agencies. It can improve efficiency by eliminating redundancies, finding ways to save money and streamlining workers' responsibilities.

SECOND PLACE

MANGALURU REGION 1

NON WORKING MODEL

Expert PU College

Project Id: R1CP10

Team members:

- Diya
- Fida
- Athmika
- Preksha



Winners of Sahyadri Science Talent Hunt

CHEMICAL REACTIONS IN LPG MEROXTREATMENT

LPG is one of the most commonly used chemical in most of our daily lives. From home to large scale industries and from cooking to heating up materials in the industries, there is large number of sectors that use this Liquefied Petroleum Gas. This is an project that how actually the LPG is used for heating and what is the chemical reaction that takes place during the burning of the LPG.

THIRD PLACE

MANGALURU REGION 1

NON WORKING MODEL

St Agnes PU College

Project Id: R1FP4

Team members:

- Cleyona
- Reshma
- Nishel Dsousa

Winners of Sahyadri Science Talent Hunt

ARECANUT CLIMBER

Sourcing skilled labours for agricultural jobs in todays time is really a difficult job. There is a need for automation not only in industrial sector but also in the agricultural sector. So here is an arecanut tree climber that climbs the arecanut tree on its own and fetches the arecanuts down back to the ground automatically. This will be a great help for a farmer and also decreases the time spent for this job to be manually.

FIRST PLACE

MANGALURU REGION 2

WORKING MODEL

KVG PU College

Project Id:

Team members:

- Samridh



Winners of Sahyadri Science Talent Hunt

SINGLE CELL PROTEIN

Proteins are the necessary content for the human body for the better function. Single-cell protein (SCP) refers to edible unicellular microorganisms. The biomass or protein extract from pure or mixed cultures of algae, yeasts, fungi or bacteria may be used as an ingredient or a substitute for protein-rich foods, and is suitable for human consumption or as animal feeds.

SECOND PLACE

MANGALURU REGION 2

WORKING MODEL

St Philomina PU College

Project Id: R2AP3

Team members:

- William
- Anmol
- Sanath
- Lincy

Winners of Sahyadri Science Talent Hunt

ARYA

A robot is a machine especially one programmable by a computer-capable of carrying out a complex series of actions automatically. Robots can be guided by an external control device or the control may be embedded within. Robots may be constructed to take on human form, but most robots are machines designed to perform a task with no regard to how they look. It is humanoid base that is programmed using python. this robot is connected or established a server setup using google networks. Main intention of this robot is to reduce the handling work of human or in other words it reduces the man power required. This takes up the command and work as per the direction given by user in other words it responds to the user requirement.

THIRD PLACE

MANGALURU REGION 2

WORKING MODEL

Govindasa PU College

Project Id: R2HP2

Team members:

- Anvitha
- Pooja
- Ananya
- Annapoorna



Winners of Sahyadri Science Talent Hunt

CONSOLATION FIRST PLACE

ALVAS PU COLLEGE
PROJECT ID:
-Sharan



CONSOLATION SECOND PLACE

EXCELLENT PU COLLEGE
PROJECT ID:
- Ritheshwar



CONSOLATION THIRD PLACE

BHUVANENDRA PU COLLEGE
PROJECT ID:
- Karthik Mk



Winners of Sahyadri Science Talent Hunt

W BOT

W Bot is a smart robot that does difficult task with an ease. Equipped with many sensors like obstacle avoiding sensor, bluetooth sensor for a smooth wireless communication and also it has an arm that can be used for picking up and placing light weighted objects from one place to another. The bot can be controlled using any mobile phone having its own app installed in the phone.

FIRST PLACE

MANGALURU REGION 2

NON WORKING MODEL

SDM PU College

Project Id: R2CM1

Team members:

- Akshara Rai
- Shreya K Salian
- Amshitha
- Ananya



Winners of Sahyadri Science Talent Hunt

FUTURE CITY

In a few years, every gadget will be connected to the Internet and, thus, will interchange data online automatically. We will in touch with other people in ways we have yet to discover. Imagine what your neighborhood will be like in some years to set the picture for the readers. Whatever the course of the future developments, we should be optimistic about the progress. There is a hectic evolution in technological issues right now; a series of exciting achievements which allow people to live in a more connected world. Thus, we have come up with the idea of future city.

SECOND PLACE

MANGALURU REGION 2

NON WORKING MODEL

SDM PU College

Project Id: R2CM5

Team members:

- Preetham
- Rakshith D
- Amram M
- Ameesha S Rai

Winners of Sahyadri Science Talent Hunt

SMART CITY

The first question is what is meant by a 'smart city'. The answer is, there is no universally accepted definition of a smart city. It means different things to different people. The conceptualizations of Smart City, therefore, varies from city to city and country to country, depending on the level of development, willingness to change and reform, resources and aspirations of the city residents. A smart city would have a different connotation in India than, say, Europe. Even in India, there is no one way of defining a smart city. Smart city features are promoting mixed land use in area based developments, housing and inclusiveness.

THIRD PLACE

MANGALURU REGION 2

NON WORKING MODEL

SDM PU College

Project Id: R2CM4

Team members:

- Vikas Kumar
- Roopesh
- Chinthan Shetty
- Tanzeel



Winners of Sahyadri Science Talent Hunt

CONSOLATION FIRST PLACE

VANI PU COLLEGE

PROJECT ID:

- Vikesh



CONSOLATION SECOND PLACE

JNANASUDHA PU COLLEGE

PROJECT ID:

- Anirudh



CONSOLATION THIRD PLACE

VANI PU COLLEGE

PROJECT ID:

- Hemant



CONSOLATION FOURTH PLACE

EXCELLENT PU COLLEGE

PROJECT ID: R2FM2

-Ayush



CONSOLATION FIFTH PLACE

SDM PU COLLEGE

PROJECT ID:

- Shivaprasad



MULIPURPOSE HOME SECURITY SYSTEM

In the developing world everything is so carelessly used, it's just the way how the robbery takes place, this is due to the developing gadgets so here we come up with the idea of multipurpose home security system. It's totally in link with the home safety, even in the presence of the owner if the gas leaks it would give a signal and also in the absence of the owner if someone enters it would detect and send the message to the owner.

FIRST PLACE

MANGALURU REGION 3

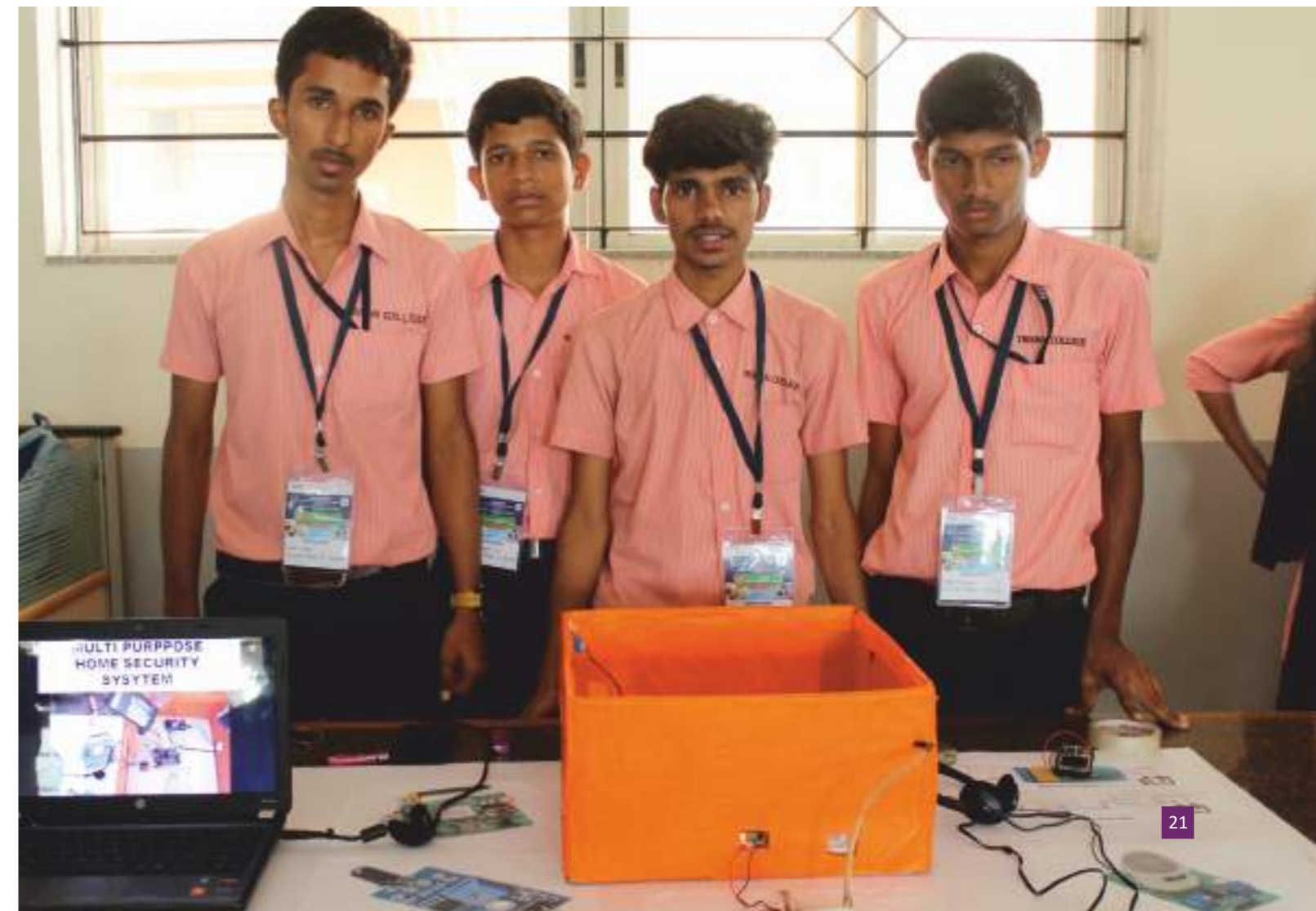
WORKING MODEL

Trisha PU College

Project Id: R3BP1

Team members:

- Sathwik
- Suraj
- Darshan
- Manoj K C



Winners of Sahyadri Science Talent Hunt

MOBILE OPERATED WATER PUMP

Mobile play a wonderful role in developing the city or developing the world or developing the technology with communication. Now a day's entire day today activities can be controlled using a mobile. Hence, the normal pump is automated in such a way that it can be turned on and off just by using a mobile that can be used to turn on and off anywhere in the house. Saves power too.

SECOND PLACE

MANGALURU REGION 3

WORKING MODEL

JCBM PU College

Project Id: R3AP1

Team members:

- Sahana
- Anusha C. V
- Kavana H.M

Winners of Sahyadri Science Talent Hunt

CONCENTRATING SOLAR POWER

Solar power is one of the renewable source of energy that can be reused and would never perish off. But right now, it is less used since the material is present in a very high cost but the worth of it is unpredictable. In the present scenario the energy is present abundantly but making it fall together for some work is a difficult task this model helps in concentrating the solar power in one region just like how magnifying lens concentrate the solar power in one region. This model concentrates the solar power to one desired location so that it could be used efficiently.

THIRD PLACE

MANGALURU REGION 3

WORKING MODEL

Excellent PU College

Project Id: R3EP10

Team members:

- Tarun Raj
- Nikhil J K
- Hrishikesh
- Shrinidhi



Winners of Sahyadri Science Talent Hunt

CONSOLATION FIRST PLACE

EXCELLENT PU COLLEGE

SEWAGE TREATMENT

PROJECT ID: R3EP16

- Rathwik, Vipin, Rohan



CONSERVATION OF ENERGY & THEIR SOME USES

Energy conservation are efforts made to reduce the consumption of energy by using less of an energy service. This can be achieved either by using energy more efficiently (using less energy for a constant service) or by reducing the amount of services used (for example, by driving less). Energy conservation is a part of the concept of eco-sufficiency. The law of conservation of energy is a law of science that states that energy cannot be created or destroyed, but only changed from one form into another or transferred from one object to another. Energy conservation reduces the need for energy services, and can result in increased environmental quality, national security, personal financial security and higher savings. It also lowers energy costs by preventing future resource depletion.

FIRST PLACE

MANGALURU REGION 3

NON WORKING MODEL

JCBM PU College

Project Id: R3AM2

Team members:

- Lohith T.D
- Sukhanth
- Prajwal
- Srinivasa B .S

CONSOLATION SECOND PLACE

GOVT. PU COLLEGE

MOISTURE DETECTOR

PROJECT ID: R3FP1

- Amrutha N, Vibha V, Manisha L



CONSOLATION THIRD PLACE

GOVT. PU COLLEGE

VACUUM CLEANER

PROJECT ID: R3FP5

- Suchithra, Vidhyashree, Shruthi



CONSOLATION FOURTH PLACE

EXCELLENT PU COLLEGE

TRASIT ELEVATED BUS

PROJECT ID: R3EP3

- Dhanish, Suman, B Nithish, Chaitresh



CONSOLATION FIFTH PLACE

VIVEKA PU COLLEGE

VECTORISED ROBOTIC VEHICLE

PROJECT ID: R3DP2

Shrinidhi, Yashodhara Shastri G, Shraavan Kumar Rao, Gururaj



Winners of Sahyadri Science Talent Hunt

CONSOLATION FIRST PLACE

GOVT PU COLLEGE

PROJECT ID:



CONSOLATION SECOND PLACE

EXCELLENT PU COLLEGE

DEFENSIVE AND SECTORAL JCB

PROJECT ID: R3EM2

Sudhansh D A, Vikyat, Karthik, Rithik



CONSOLATION THIRD PLACE

EXCELLENT PU COLLEGE

ELECTICITY 24/7

PROJECT ID: R3EM1

Utsav Shetty, Yathish Shetty, Amogh Shetty, Shikar Shetty



CONSOLATION FOURTH PLACE

TRISHA PU COLLEGE

ELECTRICITY IN USELESS AREA

PROJECT ID: R3BM2

Swethashri, Shraddha, D Costa Celine



CONSOLATION FIFTH PLACE

EXCELLENT PU COLLEGE

HYDRAULIC LIFT

PROJECT ID: R3EM3

Shnani S B, Prarthana, Sahana, Navya



HYDROELECTRICITY

Electricity is one of the major problem in our country. Even though we are living in the 21st century still there are lot of countries that do not have the supply of sufficient electricity. Hydroelectricity is one of the major source for renewable energy. The hydro electricity is generated with the help of a fast flowing stream of water or in a water falls that throws water from a great height. The electricity that is generated here is then supplied to other states.

FIRST PLACE

MANGALURU REGION 1

PROJECT MODEL

Mount Carmel High School

Project Id: HJ6

Team members:

- Shree Vatsha
- Shree Harsha
- Joel



Winners of Sahyadri Science Talent Hunt

DECELERATING GLOBAL WARMING

Global warming is one of the major problem in todays world. Even though there are so many environment thinkers in our world still due to pollution caused mainly because of the industries and the vehicles run, the ozone layer is depleting at a higher rate which is very destructive. This depletion of the ozone layer is the major reason for the global warming. This projects helps us in decelerating the global warming.

SECOND PLACE

MANGALURU REGION 3

NON WORKING MODEL

Excellent PU College

Project Id: R3EM5

Team members:

- Rachan R Shetty
- Shodhan J Shetty
- Chirayu Rai
- Karthik V Shetty



Winners of Sahyadri Science Talent Hunt

SMART CITY

The first question is what is meant by a 'smart city'. The answer is, there is no universally accepted definition of a smart city. It means different things to different people. The conceptualization of Smart City, therefore, varies from city to city and country to country, depending on the level of development, willingness to change and reform, resources and aspirations of the city residents. A smart city would have a different connotation in India than, say, Europe. Even in India, there is no one way of defining a smart city. Smart city features are promoting mixed land use in area based developments, housing and inclusiveness, creating walk able localities, preserving and developing open spaces, promoting a variety of transport options.

THIRD PLACE

MANGALURU REGION 3

NON WORKING MODEL

JCBM PU College

Project Id: R3AM1

Team members:

- Gaurav K L
- Gagan V. C
- Aditya Narayan
- Surya V. Bhat



Winners of Sahyadri Science Talent Hunt

SPY CAR

This is a spy car that is used as a secret spy. This bot has many sensors that helps it go in any places without crashing and also by avoiding all the obstacles that comes on its way. This car has a n electronic board that help in computing all the data and it is that which helps the car to transverse through different types of terrains and places. The large wheels of the bot gives it a great ground clearence helps it move with an ease.

SECOND PLACE

MANGALURU REGION 1

PROJECT MODEL

Holy Family High School

Project Id: HA2
Team members:
 - Alston
 - Savin
 - Nishanth
 - Rathan

Winners of Sahyadri Science Talent Hunt

SIMPLIFY SOLVE HAND SECURE

In todays world, there are so many insecurities for all age groups. So a protection device that is handy is always an important gadget. This is an security system that can be worn to hand and can be used as an protection device. This has many features like emergency siren just with a press of a single button. This has so many other features like electric shock giving terminal that gives out an electric shock when ever required during emergency

THIRD PLACE

MANGALURU REGION 1

PROJECT MODEL

Sharada Vidyalaya

Project Id: HD1
Team members:
 - Nitheez Kamath



Winners of Sahyadri Science Talent Hunt

CONSOLATION FIRST PLACE

ST ALOYSIUS HIGH SCHOOL

SMART SHOE AND VOICE CONTROL HOME AUTOMATIC PROJECT ID: HC6

Sohan Rai, Shravan



CONSOLATION SECOND PLACE

PRESIDENCY HIGH SCHOOL

SOLAR TRACTOR AUTOMATIC WATER IRRIGATION OBSTACLE PREVENTING SYSTEM PROJECT ID: HB1

Glan Fabian Scinha, K Sahaj Rao, N Gagandeep



CONSOLATION THIRD PLACE

YENPOYA HIGH SCHOOL

GREEN SYNTHESIS OF ZINC, OXIDS NANO PARTICLE PROJECT ID: HG2

Mansha



CONSOLATION FOURTH PLACE

YENEPOYA HIGH SCHOOL

LOW COST TECHNOLOGY FOR THE PRODUCTION OF MEDICALLY IMPIGMENT PROJECT ID: HG1

Shikhar, Nazan



CONSOLATION FIFTH PLACE

MAHESH HIGH SCHOOL

STEAM POWER GENERATOR PROJECT ID: HL1

Surraya, Simran, Bilal, Harshith



INNOVATIVE CITY

This is the innovative city that has so many different innovative features that helps the people living here lead a safe and harmonical life. This city is so modernized that most of its energy requirements are met with the help of renewable source of energy that is available in the nature and thus it cuts down a lot of pollution that can be caused. The vehicles that are run here are also electric vehicles.

FIRST PLACE

MANGALURU REGION 2

PROJECT MODEL

Ramakrishna High School

Project Id: HR6
Team members:
- Shrijith,
- Srijan Rai R



Winners of Sahyadri Science Talent Hunt

ROBO CAR

This is a spy car that is used as a secret robo car. This bot has many sensors that helps it go in any places without crashing and also by avoiding all the obstacles that comes on its way. This car has a n electronic board that help in computing all the data and it is that which helps the car to transverse through different types of terrains and places. The large wheels of the bot gives it a great ground clearance helps it move with an ease.

SECOND PLACE
MANGALURU REGION 2
PROJECT MODEL
Vivekananda High School
Project Id: HQ3 Team members: - Shashank - Vishnu Prasd M - Sathvik

Winners of Sahyadri Science Talent Hunt

NITROGEN USED INEFFICIENCY

Efficient use nitrogen in cropping is often viewed from agronomic perspective. To much of the supply of nitrogen may cause the crops to get many kinds of diseases. So a calculated amount of supply of nitrogen helps the crops to in an efficient way and also to get a very good yield so as to benefit the farmer in turn.

THIRD PLACE
MANGALURU REGION 2
PROJECT MODEL
Sudana High School
Project Id: HP6 Team members: - Adhya - Sulochan - Esha - Sulochana



Winners of Sahyadri Science Talent Hunt

CONSOLATION FIRST PLACE

INDRAPRASTHA HIGH SCHOOL
PROJECT ID: HS3
Ramachandra, Ankith Kumar



CONSOLATION SECOND PLACE

VIVEKANANDA HIGH SCHOOL
PROJECT ID: HQ1
Vikram Alva, Lokender Singh, Shricharan, Harshith



CONSOLATION THIRD PLACE

RAMAKRISHNA HIGH SCHOOL
PROJECT ID: HG2
Mohammed Hasoon, Mashal Mohammed,
Shanshank P H, Praneesh



CONSOLATION FOURTH PLACE

SUDANA HIGH SCHOOL
AQUAPONICS
PROJECT ID: HP4
Shreelaxmi



CONSOLATION FIFTH PLACE

INDRAPRASTHA HIGH SCHOOL
PROJECT ID: HS2
Ayasha Al, Jazeera, Ancilla, Joha



INNOVATIVE CITY

This is the innovative city that has so many different innovative features that helps the people living here lead a safe and harmonical life. This city is so modernized that most of its energy requirements are met with the help of renewable source of energy that is available in the nature and thus it cuts down a lot of pollution that can be caused. The vehicles that are run here are also electric vehicles.

FIRST PLACE

MANGALURU REGION 3

PROJECT MODEL

Excellent High School

Project Id: HF1
Team members:
- Yajna Shetty
- Siddarth Shetty
- Shodhan Shetty
- Sagardeep.Shetty



Winners of Sahyadri Science Talent Hunt

AUTOMATIC EXHAUST OF FIRE IN AGRICULTURE

Agriculture based job is one of the most difficult and important job for the growth of our nation. A farmer spends many months or almost a year from the day he sows the seed until he gets the yield, and there are many chances of his field catching fire due to the climate change. So this automatic fire extinguisher for agriculture can help a farmer be in the safer side.

SECOND PLACE

MANGALURU REGION 3

PROJECT MODEL

Excellent High School

Project Id: HF4

Team members:

- Kushi N Ra
- Sahana
- Shamatha
- Sheha

Winners of Sahyadri Science Talent Hunt

SMART CITY

The first question is what is meant by a 'smart city'. The answer is, there is no universally accepted definition of a smart city. It means different things to different people. The conceptualizations of Smart City, therefore, varies from city to city and country to country, depending on the level of development, willingness to change and reform, resources and aspirations of the city residents. A smart city would have a different connotation in India than, say, Europe. Even in India, there is no one way of defining a smart city. Smart city features are promoting mixed land use in area based developments, housing and inclusiveness, creating walkable localities.

THIRD PLACE

MANGALURU REGION 2

PROJECT MODEL

Excellent High School

Project Id: HF2

Team members:

- Shobith J
- Kavan K Shetty
- Chinmay
- Pavanhegde



Working Model Project

Guidebot

Suhail, Amaan Hisham, Mazin Mushtaq, Mohammed Ibrahim

Water Alarm

Anjana R Shetty, Athira N, Mohammed Al Ameen, Sana Nilufer

Laser Security Alarm

Jiyan Kadeeja, Hibah Moideen, Fathimath Thafseena, Athira N

Cnc Writing Machine

Naheem, Mohammed Faisal, Raif Sayyed, Mohammed Aqeel

Hydraulic Bridge

Mohammad Ravooof, Abdul Mubaris

Vaccum Cleaner

Shibaz, Sufiyan Ahmed Shameer, Abdul Hanan, Ashik

Smart Home

Arfaz, Thansheel, Shahir, Rasik

Line Follower Bot

Ashwakh Syed, Imran Nazeer, Imran Nazeer, Fardin

Powerbank

Mohammad Noor, Anshar, Shatuib, Mohammad

Pyrolysis Plant

Famnaz, Fiza, Hiba, Hafeeza

Electric Ignition Gun

Benu MR, Pavan G, Punit M, Nithin K

Hand Gesture Multipurpose Vehicle

Rahul M, Anujith, Thanmay, Adithya Shelley

Petrohol

Olvita Sheeba D Souza, Afra, Afreen, Ashmitha

Automatic Railway Gate And Signal Control

Yashas Shetty, Tejjas Baliga

Hand Automated Control

Rolan Lobo, Eldrin Pereira, Akther Assan



lot Smart Home Automation

Shaun Stephen, Salvin, Jyostna

Quadcopter

Oyston Pinto, Adithya, Godnon

Accident Avoiding Vehicle

Shreyas KV, Shashank A, J Vignesh Shetty

Go Green Mobile Charger

Sushan, Rajesh, Keneth

Android Bot

Anish, Yashsvi, Anjali

Arduino Project

Harvin Joy, Abdul Khader Aman, Moxal Pinto

Ultra Shoe

Mohammed Zain, Godnon

Mixed Reality

Abhishek Jatan, Keerthiraj Shetty, Niel Cutinha, Samith Suvarna

Water Tank Filling Guard System

Hansalkevin Levis, Joswin Monterio, Shawn, Davin

Vibration Detection

Melroy Linal Fernandes, Nihal Rego, Mural

Future Agricultural Development

Sneddan Vivan Tauro, Harsha N Bangera, Anirudh

Fire Extenguisher Drone

Siddarth Shetty, Chethan, Yashasvi



Energy From Speed Breaker

Payal Jogi, Siona, Sanjana

Aqua Missile

Fathima Murshida Avvammath Yasmeen Ayshath Thasmeem Ishr

Wall Garden Automatic Watering System

Thaskeena Haneen

Interactive Cane

Suchira, Suraksha, Apeksha

The Bin Barath

Ajay, Sheeba Suvarna, Karan G, Shreyas

Infinity Switch

Nishan Gowda, Sandesh Hegde, Prateek B

Conservation Of Electricity In Highway Management

Shree Harsha, Darshan Kumar M V, Gagandeep H V, Shihari

Smart Helmet

Abhishek.S, Harshit S Rao, Druva H

Combat Uav

Manveeth V Suvarna, Gautham Aiva

Foot Step Power Generator

P A Anshad, Suhas P

Home Automation Working

Pratham Bhomkar, Pranav Naik, Amogh P K

Thermo Electric Generator

Vignesh, Maneesh, Kishan, Dheeraj

Electric Car

Shubham Shetty, Sujeeth Bare, Sushen Itagi, Jaideep P

Automatic Dimmer And 3d Printer

Anuroop, Nithin, Ajay, Hani

Terrainator

Praharsh, Aathreya, Tejas, Vaishak

Hydroxy Generator

Savan, Mihir, Prakyath, Sushanth

Flight Block Detector

Mohammad Akram, Zubar Patil

Theft erradicator

Ashley Lobo, Thansifa, Chethan, Canute

The electronic walking stick

Shivananda, Sathwik

Single cell protien

Sanath, William, Anmol, Lincy

Alternative fuel and cfc free conditional

Leston, Delma, Shravan, Chaithanya

Low cost agriculture and plantation project
Apeksha Gp, S Trupthi, Madhushree, Swathi Karanth

Energy from food waste
Shivathmaja, Karthik, Melton, Gautham

Helmet controlled bike
Rakshan, Keerthesh, Godwin, Shivathmaj

Production of electricity from cow urine
Adithya, Robinson, Anvitha

City safety and production of hydroelectricity and water store
Vivish Lobo, Eqlas, Prithesh

Fire and safety
Freedal Rubin Rodrigues, Venkatesh K Nayak, Pratheek K, Nagaraj Shenoy

Spy lazer alaram
Shreyas, Anirudha Bg, Jeethesh Dsouza

Low cost agriculture and plantation project
Apeksha Gp, S Trupthi, Madhushree, Swathi Karanth

Aurdino controlled shopping trolley
Madhav Bhat, Suraj Pai, Pranav Prabhu, Dheeraj

Automatic dim and dip system of vehcles
Aheesh, Shiva Prasad, Adarsh

Power harvesting sole
Preetham Kumar D M, Rahul, Pavan

One touch world
Rabiya Banu A, Harshidha Farveen C H, Chiranvi Jain N, Nithesh K

Smart robo car
Sanjay Ks, Shreyas Gowda, Supraj Padival

Bio clock
Parikshith, Sharath Kumar, Chethan, Anketh

Multi purpose hand pump
Vinith, Shreyas, Lanvin



Infra generation
Pramith, Vishnu, Reuben, Shushrith

Bio electricity and home made battery
Deekshith M, Swasthik, Sajith, Preetham

Smart fire extenguisher, safe transport system
Shivaprasad, Nishanth, Sanath, Sudattha

Water absoprption in plants
Akash R, Gautham, Chethan Mr, Darshan M

Excretory organ of human body
Chakravarthi, Praveen, Puneeth Shankar Ps, Karthik B

The robo which follows a line
Amaresh, Anjali, Divya, Bhavya

Transport and its safety
Shivamsh, Ashlesh, Ismail, Anuj

Room heater
Nithin Nayak, Sandesh, Manoj M, Shwanees

Peltier mini refrigerator
Bharath Kt, Abhishek Pa, Jeevan Nm, Prithviraj

Hand gesture control car

Varshini, Ranjitha, Silu, Ramya

Hydro electric generating turbine

Gnanavi, Vinutha, Anvitha

Hydrolic lift gcb

Bhoomika Hk, Sunayana B Jain, Bhavana Pbj



Sound security system

Shamreed, Sree Harsha

Tesla coil

Tej Kiran, Sumuka, Praneeth, Nandan

Use of natural resource

Asifa, Samreen, Sandra, Mishriya

Automatic day and night light sensing system

Thufaila Tasneem, Nishma, Aysha Sana, Aysha Sheba

Solar fan and light

Savitha, Sudhiksha Bg, Sukanya Kamath, Navya K

Solar light

Bhargavi, Rupa Mk, Chaithra Sp, Swathi S

Wire detector

Mrudula, Sowdarya, Adithi Shetty, Anagha

Vaccum cleaner

Harshitha Jn, Kiran Mn, Vismitha, Vandana

Home automation

Rithika Kv, Sinchana J Shetty, Sangeetha, Drishti

Mini generator

Manisha K, Dhanyadinesh

Automatic street light

Disha, Harshitha, Hruthika, Shreya

Microbial fuel cell

Sumanth, Yograj, Vinay, Thejas

Gms based gas leak detector

Ayush, Pavan, Rohith, Sugam

Sensor city

Mithun, Shrishal, Pradvin, Gurusidhesh

Heart attack detector

Chandan Kp, Pratheek Vk, Mohan Prakash

Prevention of earthquick and volcano

Rahul, Mansoor, Vikas, Chandan Kp

Use of natural resources

Rahul Poojary, Chandan, Suhas, Prajwal

Disaster management

Sparsh, Prajeeth, Vedhanth, Aniketh

Accident preventer and concept based on ldr

Suraj, Adithya, Sean, Samyakchandra

Automatic fuse burner

Adithya Chengapapa, Chaaran T, Madhvesh, Sirish

Elevated bus

Jeevan, Rohan, Keerthan, Sourav

Arya

Anvitha, Ananya, Annapoorna, Pooja

Smart car

Sushanth, Sachin, Prithviraj

Mobile operated water pump

Sahana H.R, Anusha C. V, Kavana H.M

Smart street light using ir sensor

Bhavana B V, Vandyashree H.S, Ramyashree D.C

Smart helmet

Navaneeth K.R, Shreevallabha D.M

Free energy generation

Sujay Kumar A J, Chidambarah.N

Multipurpose home security system

Satvik, Suraj, Darshan, Manoj K C

Ecofriendly refrigerator

Shreya, Dincy, Chandini,

Production of electricity

Nithesh K C, Y G Pratheek, Sujith, Shrivatsa N V

Power saving and clean environment

Anish, Raghu G N, Sanjay K, Nagaraj T S

Ir based sleep detector

Jude D'souza, Raylx D'souza, Praneeth

Bicycle based flood rescue system

Princeton S Lewis, Sreevatsa, Samud

Air purifier

Rajesh, Rakshith, Joel

Automatic heart attack detection

Rathik, Sajith, Mohith, Anfal

Vectorised robotic vehicle

Shrrenidhi M.S, Yashodhara Shstri G, Shravan Kumar



Electricity produced by tidal energy

Vikas Devadiga, Adithya K Shetty, Angam S Rao

Smart and green city

Amith M Kini, Flydon Melrick Picardo, Abhinava R Karanth

Fm radio transmitter and reciver

Anup Nayak, Nithesh B, Bharath

Parabolic solargenerator

Arun Puranik, Purvash Gangoli, Shrishva V Bhat, Vignesh Hegde

Trasit elevated bus

Danish, Suman, B Nithish, Chaithresh

Multipurpose advased fractor

G Sinchan Shetty, Pavan Shetty,

Quadcopter

Ganesh R Prabhu, Rakshith K Shetty, Anish S Rao, Brijesh S Shetty

Home security and road safety

Danush, Amogh, Srinivas

Automatic water pump

Yogith K.S, Siddarth, Sudeep, Chinmay

Sewage treatment

Vinay Kumar, Adithya, Akash, Ranjeeth

Infinite electricity generator

Tasvi Adappa, Isra Sheikh, Sinchana Shetty

Concentrating solar power

Tarun Raj, Nikhil J K, Shrinidhi



Model of less expensive air controller

Sharadhi Shetty, Srajana U, Disha, Shreya

Law vehical

Shabareesh B Shetty, Pavan U Shetty

Frictinal electicity and thoto electricity

Sathvik S S, Vikram U R, K V Shreeganesh, Parikshith K

Laser road safety system

Aishaan, Anwaaz, Karthik, Vinay

Accident prevention by using sensor

Rifa, Rachitha, Shivani Hegde, Sakshi

Sewage treatment

Rathwik, Vipin, Rohan

The healthy lane

Preetham Fernandes, Sagar, Samuel Gavin D'souza, Nabish

Tetrapad

Prathiksha Hegde, Sushmitha, Prathiksha, Raksha

Insect repellent

Pavan R Shetty, Alok G Shetty, Zeban Haneef Sab

School water pump

Mahima Rashmi, Prathiksha S.B

Burning the stove by petrol vapour

Harshad Nayak, Manish Shetty, Subharathna,

Burning the stove by petrol vapour

Harshad Nayak, Manish Shetty, Subharathna, Nithesh

Moisture detector

Amrutha N, Vibha V, Manisha L

Smart house

Preethi, Ananya, Vijetha, Jasmine

Sea water desalination and m-train

Prasad, Karthik H

Rotatary car parking

Sanjan, Avinash

Vaccum cleaner

Suchithra, Vidhyashree, Shruthi

Eco cleaner

Keerthana, Meghashree, Pavithra, Anushree

Dam water director

Sujith Kumar, Shivacharan, Vivek Shenoy, Ganesh Prabhu

Amplifier

Prathap Shenoy, Ashwij, Shreyas T R

Copper platin

Anush Bijoor, Sindhur, Preetham, Sandesh

Still Model Projects

Heart rate monitor with sms alert

Mohamed Faizal Abubakar, Rakshith R Rao, Prajwal Acharya

Drone f540

Chirag H S, Dhanush, Sannidhi, Jasper

Eco town

Sharath, Shruthi Shetty, Tulsi Bhandarkar, Tejaswi



Water Treatment Plant

Arolin, Kezia, Sampras, Prajna

Kidney Working Model

Roshna, Dolen, Mahindra, Bhumika

Arcadium

Shanal, Daniel, Oren, Leander

Gk Quiz

Simonne, Deeksha, Chirag

Hover Craft

Johan, Alden, Advait

Hydro Electric Power Genration

Vaishak, Sushanth, Sidhanth, Sankeerth

Automated train arrival signals

Karthik Mk, Vinayak Hg, Ashok Kumar, Chalukya

Traffic cleaner

Ritheshwar, Swasthik Nayak, Anish

Floating agriculture

Sushmitha, Shree Laxmi Shenor, Shwetha, Deepa

Automatic Light Dipper

Abhilash, Vaibhav Shetty, Manish A

Ideonella Sakaeiness

Ashok Kumar, Ashik K C, R Chiranjeevi, Muhammed Muzammil

Smart City

Nirmal Rajesh, Slevim, James Tom, Mohammed Abdullah Hamdan

Humanoid Robot

Brayan Roland, Kaushik Rao, Sanjay R S

Hologram

Ranjith Singh, Sukumar Sharma

Excretory and Respiratory System

A Kamal Dinesh, Manish S Nayak

Natural antiseptic

Amaan, Mashoor, Vishal

Natural insecticide

William Santhosh, Sanath M, Delma, Thanseefa

W bot

Akshara Rai, Shreya K Salian, Amshitha, Ananya

Sevage treatment plant

Spoorthi S, Sangeetha Bn, Sneha B Patil, Sindhu Aj

Smart tech

Thejas J, Mohammed Thufail, Rakshan K, Prajith

Smart city

Vikas Kumar, Roopesh, Chinthan Shetty, Tanzeel

High School Projects

Motor boat

Suhana, Sanvi, Safa

Nature of earth now

Clive Vernon, Santhoji, KeerthanVishwanath

Vehicle farming

Preethi, Pawan, Tanush, Vikas

Sewage treatment plant

Sakshi, Poorvi, Varsha, Vibha

Skill model of pollution

Velita, Deepa, Kushi, Dhanyashree

Screen project

Harshith, Rohan, Prem, Vikas, Dishanth

Bluetooth car and spirit canal

Pawan, Konrad, Siddharth

Circle and its properties

Junaid, Abdula, Wafa

Hydraulic machines

Syed Zaheed, Suhas L.K, Gaurav Sharma, Shiva

Gravity lavitational force train

Prakhyath G, Adarsh, Amogh, Dhyan

Bike

Advith, Sathwik

Electronic solar fan

Madhav, Akarsh, Shrujan L

Generator magnet

Varsh Salian, Nathan, Roshan

Infinite robo

Arnav, Shlok, Dhruvin

Multi-purpose device

Nihaal Y K, Shrihari

Hydraulic truck, hook and drill

Sheik Mohammed, Rikaz, Melrik

Robotics

Adhitya K, Suraj S Rao, Sumanth M

R c motor boat

Alister, Robin, Alvin

Biogas

Nihad, Gavin

Wind powered electricity generator machine and sensor

Varshith, Charan Raj, Likhith Raj, Anirudh K N

Electric bicycle

Aneesh, Amruth, Saksha, Amrutha Varsha

Hydra arm vacuum cleaner

Vaishnavi Chatram, Azwin Asif, Raghavendra R

Air cooler

Armaan Mohammed, Muhammed Hazim, Deviprasad

Wind turbine

Hrea Gaur, Jhanvi, Thanvi

SSTH Core Team

Hydraulic cranes

Nigel

Hydraulic city

Ashwaj B R, Rakshat H, Ashiq

Hydraulic robotic arm

Vishruth K, Rohan



Siphon system

Jonathan

Tesla coil

Nestor



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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

1. 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.



Life Science Lab

The Life science lab 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 'Life Science' lab is created. 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 Lab

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 Achievements

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

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 - SSTH

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.



First year students won National level contest at IITs and NITs



Best Freshers Award @ IIT - Kharagpur



First Prize @ NIT - Tiruchirappalli



Top 8 in International Event @ IIT - Kanpur



Positioned Top 8 @ IIT - Roorkee



First place in "Internet of Things" and "Hurdle Rush" @ IIT - Mandi, HP



Best Technical Innovation Award at NIT - Jamshedpur



First place for Line follower in NIT, Sikkim



First place in 'Automata' event in NITK

Dreamers

A startup initiated with an intention to bring out creativity and innovation in every individual 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 individual 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.

The team started with 8 students in 2012 and has become a startup of 14 members with more than 80 enthusiastic students getting benefitted.



**“Best Young Innovators”
National Award for ‘Smart
Helmet’**
a joint initiative of AICTE,
Department of Science &
Technology,
Govt. of India and CII
was held at IIT Delhi



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. Team is one amongst 2 teams from Karnataka, with 75 teams from around the world which participated in SAE International Aero designEast which was held at Fort worth, Texas, USA.

“International Recognitions”

Team Challengers secured 7th Place in
Micro Class, SAE International
AeroDesign East at Florida, USA in 2017





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 research culture, share knowledge and provide 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.

Internship

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

Training & workshop:

- 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



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“Its not about Ideas.
Its about making
Ideas happen.”

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...

Company offers

The team is well versed in software development, game development and computer visualization.

Vertical

- Computer Vision
- Computer Visualization
- Software Development

Domains

- Virtual Reality
- Augmented Reality
- Game development, 3D modelling and animation, Website Designing and development, App Development

Internship

we provide internship in the following domains:

- AR and VR
- Unity 3D
- Game Development
- Website Design and Development
- 3D Modelling and Animation

“DREAMS TO REALITY”
We encourage your ideas and give them wings to fly



Contact person



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Technologies Pvt. Ltd.

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 technologies to give our clients the best software

Aptra Products

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. Providing strong support and customizing the ERP for your educational needs is our main strength. With continuous R&D efforts from our team, we aim to be number one in the Education ERP segment in a short span of time by offering comprehensive features and interactive applications for the institutes and students.



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.

SmartSkool:

Parent - Teacher Communication App

With the SmartSkool mobile app, enables teachers and schools to communicate with parents in one easy-to-use app.



SmartSkoolmobile 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.

It's really easy to keep parents informed - a quick note or snapshot a day will do the trick! For class update.

Better Coordination: Keep parents on top of the school calendar and helps them participate in events or volunteer opportunities.

Class Calendar & Reminders

Lecture Capture (Re-live Classroom)

Lecture Capture is a comprehensive e-learning solution that brings about a paradigm shift in the education delivery mechanism. The core feature of the solution is automatic recording and distribution of classroom lectures. The access to recorded lectures and other study material through Lecture Capture provides students the ability to virtually re-live their classroom experience on anytime anywhere basis. It also assists the teacher in self-improvement. Lecture Capture has a range of useful tools and applications which make the learning experience more engaging and interactive for students.

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.

Courses offered

- Web Application Development - 20 hours
- Mobile App Development - 20 hours
- Cloud Computing - 20 hours

Training Faculty

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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

Internship

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

Contact Persons



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Research Design Lab

RDL Technologies Pvt. Ltd.

Research Design Lab - continues to maintain product excellence and performance by introducing innovative cost effective solutions to cater 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 providing 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

Achievement

Finalists in 'Elevate 100' organised by Department of IT & BT, start-up cell Karnataka, KBITS, AVGC.



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

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

Vertical

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



Contact Persons



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Training Faculties



SAHYAWARE

A civil based Company

About the Company

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

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.



Contact Persons



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Training Courses for Civil Engineering Students

Sl. No.	Courses Name	Course Instructors
1	Problem solving of Civil Engineering using MS Excel	Mrs. Smitha Mr. Vikram Mr. Manohar K & Ms. Shubha D K
2	Visual Basic for Programming for Civil Engineering	Mr. Sunil Kumar K Ms. Ramya K Mrs. Deepthishree S A Mr. Supreeth Prabhu N, & Ms. Navyashree B R
3	Computer Application in Remote Sensing & GIS	Ms. Kavyashree M P Ms. Bhavya P, & Mr. Anil Kumar N S Mrs. Geetha S D
4	Computer Aided Drafting for Civil Engineering - Act CAD - 2D & 3D	Mr. Gireesh Mailar Mr. Chethan Kumar N T Mr. Krupaksha H K & Ms. Poornima D



Course Trainers Contacts

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CALIPER

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-skill 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.

Craftily 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.



We help Industries Innovate and Grow



Caliper offers

Basic cum specialised industrial training as well as internships in CNC Machining, Quality Control & Assurance, Welding Technology

Vertical # 1

CNC Machining

- CAD / CAM – Level I (for 3rd & 4th semesters)
- CNC Machining – Level I (for 3rd & 4th semesters)
- CAD / Cam – Level II (for 5th & 6th)
- CNC Machining – Level II (for 5th & 6th semesters)

Vertical # 2

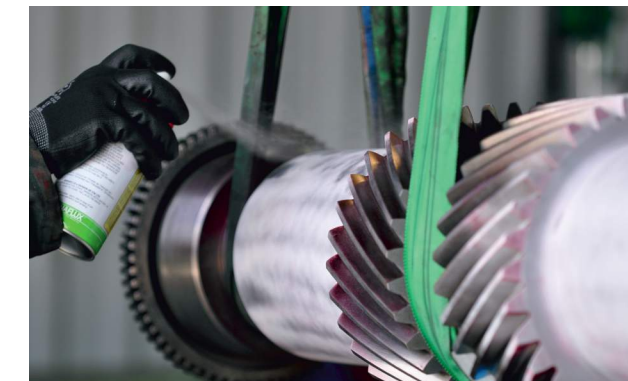
Metrology & Measurement

- Basic Metrology & Measurement (for 3rd & 4th semesters)
- Advanced Metrology & Measurement (for 5th & 6th semesters)

Vertical # 3

Non Destructive Testing (NDT) & Welding Technology

- Basic NDT & welding practices (for 3rd & 4th semesters)
- Advanced NDT course (for 5th & 6th semesters)



Contact Persons



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Advanced Training Courses & Internships (for 7th & 8th semesters):

Vertical # 1

CNC Machining

- Professional CAD modelling
- CNC Turning Center
- Vertical Machining Center

Vertical # 2

Metrology & Measurement

- 3D CNC Co-ordinate Measuring Machine

Vertical # 3

Non Destructive Testing (NDT) & Welding Technology

- 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

Sahyadri Achievements

SAE BAJA

SAE BAJA is a national level off-road car racing event for all terrain vehicles (ATV) conducted by SAE INDIA. SAHYADRI MOTORSPORT, Sahyadri team participating in every year held at NATRAX, Pithampur, Indhore, MP. This year, our team successfully cleared all the static and dynamic events and finished 8 laps in the final endurance run, which is the one of the proud moment for the team & institution.



ISKGOKART

SAHYADRI MOTORSPORT team participated in the event and cleared all the static and dynamic events and placed 4th position out of 16 various teams from the country. Team awarded with "Best Professional Team" for the year 2016 at LEHARI RESORT, Hyderabad. And also Team participated in ISK Series at Bangalore in 2017.



SAE SUPRA

National level student version formula car racing conducted by SAE INDIA, every year which will be held at BIC, Greater Noida, UP. In the event vehicle will undergo technical inspection, noise test, tilt test, brake test and acceleration test. Final endurance will be there at the end only for the qualified teams. SAHYADRI MOTORSPORT placed in 33rd position out of 183 teams.

National and International Recognitions



6th positioned in SAE International AeroDesign West held at Fort worth Texas, USA



"Best Young Innovators" National Award for 'Smart Helmet'

Milestones of Sahyadri

- Accredited Grade 'A' by the National Assessment and Accreditation Committee - NAAC
- Sahyadri Ranked 38th among the 100 B Schools across India and Ranked 7th among the Top B schools with Excellent industry exposure and Top 20 Emerging B Schools in India.
- Center for Excellence in Nano Science & Technology
- "Best Young Innovators" National Award for 'Smart Helmet' a joint initiative of AICTE, Department of Science & Technology, Government of India and CII was held at IIT Delhi
- Sahyadri recognized as Advanced Partner Institute in Campus Connect Program by Infosys
- Ms. Shimna M. from Information Science, has secured the eighth rank in the VTU examination by scoring 81.77% aggregate.
- Ms. Sasha Rai P has secured First Rank & Gold Medal in VTU, board exams of M.Tech computer aided design of structures with 87.42%.
- National Level Awards for Sahyadri students' Projects - IIT's, IIIT's and Isc.
- Inculcated Project oriented curriculum with various innovative activities
- Mangaluru's biggest coding festival, CodeQuest 2K17, was held at Sahyadri Campus
- Overall champions at the 20th VTU InterCollegiate Athletic Meet 2017-18
- 154+ companies visited the campus for Placement and 400+ students placed in India and abroad.

Accredited grade **'A'**
by NAAC -
National Assessment and
Accreditation Committee



- SHAPE IT, Book Released - a self-help book for budding engineers - filled with more than 50 inspiring stories of students, authored by Dr. Subramani Ramakrishnan and Ms. Vijayanthi Srinivasaraghavan



Students Recruited with Highest Package

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.

Ranked **AAA** in BEST Engineering College survey by Career 360

“ 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. ”

MAHAMMAD YUNUS C.
Mechanical Engineering

₹14 lakhs p/a

Placed in



RAFIH M.
Information Science

₹11.7 lakhs p/a

Placed in



SHREYAS B.
Computer Science

₹9 lakhs p/a

Placed in



Rajasha T Mathew
MBA

₹14 lakhs p/a

Placed in



We are Placed in Premier Companies



475+
Students Placed in
India and abroad

