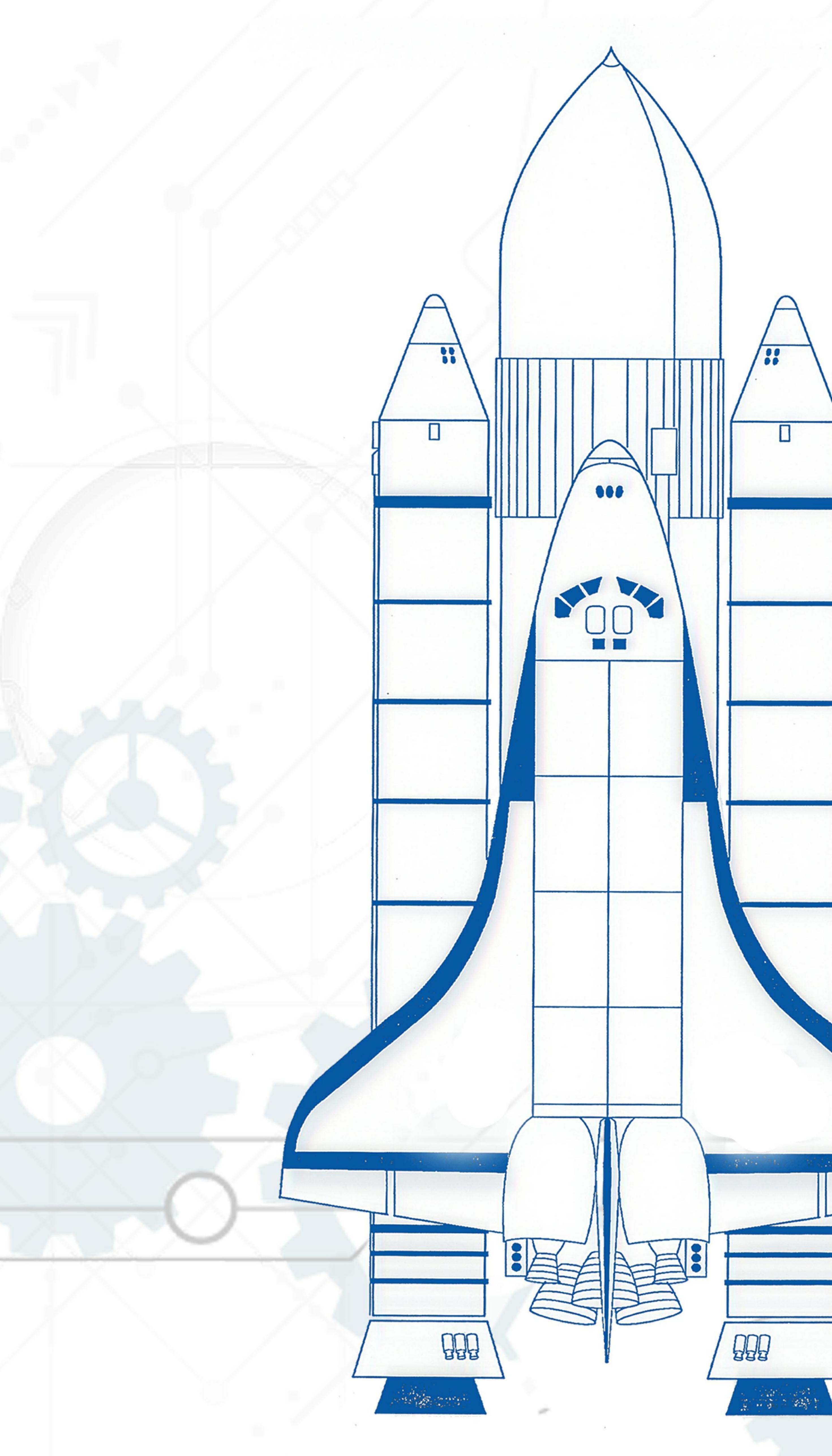




INVENT · INNOVATE · IMPROVISE







## About Challengers

Our motto is to translate the theoretical precepto of engineering into real world applications. A few members from various disciplines grouped together with sole intention to learn Physics. Gradually more people formed the team. The team started growing by participating in several national level competitions conducted by IITs, NITs and other elite institutions of our Nation.

We have made our mark wherever we made our debut. We humbly flew to more heights. We work together to meet the extreme challenges of day to day work, understanding the basic problems, finding the apt solutions for the difficulty faced by the contemporary world, to make the future of the world more secure and safe. We are striving to find the different horizons of science.





## OUR VISION

"Inspired by Indian Airforce, saluting its Logo "नभः स्पर्शम् दीप्तम्", We envisage "विज्ञानम् यज्ञम् तनुते" that "Science is Yajna and Yajna is Science"

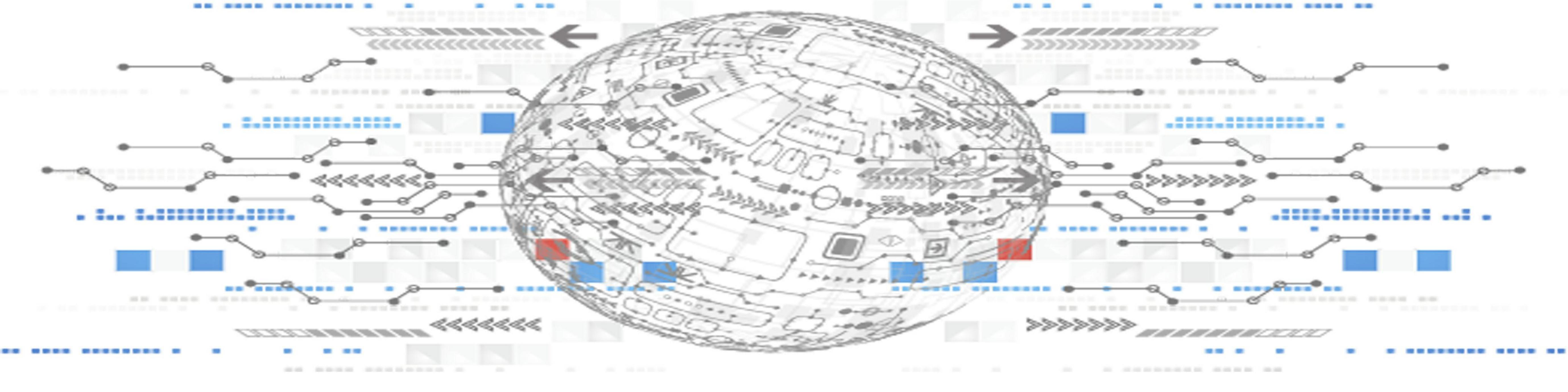
#### OUR MISSION

To inspire and empower the young minds to explore aeronautic posibilities

To provide a challenging platform to exhibit technological talent

To breath in the Space, traversing without wings, to recreate the glories of own of our Nation Bharat





#### OUR WORKSPACE

- Well equipped training lab
- Dedicated work area
- Licensed Flight simulator
- High end computers for CAD and CFD analysis
- Well furnished lab with 24 hour accessibility for students



The team members are well versed with design and analysis software which meets the present industry grade requirement

# The Team

Faculty advisor



Dr. Ashwath Rao

Founder



Anwar

Co-Founder



Probid J Panikkan

Team mentor



Midhun Jyothis

Team Captain



Rakshith Karumbaiah

Vice-Captian



Shubham kulal

Secretary



Pranamya M Y

Team Manager



Rajmunni Hombal

Treasurer



Meghana N Shetty

Lab Superior



Akshay P N

Event co-ordinator



Chaithra Lakshmi C

Public relationship



Shwetha

Permanent Member Associate



Ann V Maria

Temporary Member Associate



Ananya K R

Workshop Head



Abdul Shameer

Assistant Event coordinator



Aravinda B

Design Head



Nanda Kumar

# Our Achievements

### SAE Aerodesign East 2017



Oral Presentation -2nd in the world(1st in India)
Overall - 7th in the world

Overall - 6th in the world

### Tathva-2017 NITC



1st place in Albatross

## SAE Aerodesign East 2016

SAE Aerodesign west 2017



Oral Presentation - 4th in the world (1st in India)
PayloadLifting - 4th in the world (2nd in India)

#### Tathva-2015 NITC



1st place in the Accelerobot 3rd place in AstroRobotics 2nd place in Gsmlabyrinth& Line follower

Embedded Asia 2014, IISC Bangalore



1 st position in an International conference automotive embedded challenge

#### Conscientia 2014, IIST Trivandrum



2nd position in Aero Modelling competition

## National Students Space Challenge 2013



1st position in a robotic competition named "Drill Droid",IIT Kharagpur

## PATENTS

- 1. Anti Collision system
- 2. Areca Tree Climber and Sprayer
- 3. Bio-Exo Skelton

(415/CHE/2015 Published)

(Published)

(Awaiting Approval)

#### **PROJECTS**

Every member of the team has their own interest and has done number of projects on their field of interest. They have trained the juniors for the fulfilment and continuation of any undertaken projects. We have been carrying out several projects, exhibit them in several national and international arena.

## Project Specializations:

- Aero design and space
- Autonomous Systems
- Environmental and Structural Studies
- Automobiles

#### ANNUAL EVENTS

Team conducts and hosts various technical events and awareness programs for encouraging and promoting Aeronautics in our Nation. The team participates in various National and International Competitions.

The team organises a two-day National Level Aeromodelling competition 'AEROPHILIA' for undergraduate students.

Its objective is to build a strong base for practical problem solving in the students as well as to build their R&D potential. Department of Project and Funding was launched to fulfill this objectives. Another major event SSTH which is an annual gathering that provides a platform, where eminent National and International scientists interact with young students and teachers to showcase their excitement of scientific works and investigations.

## Challengers day

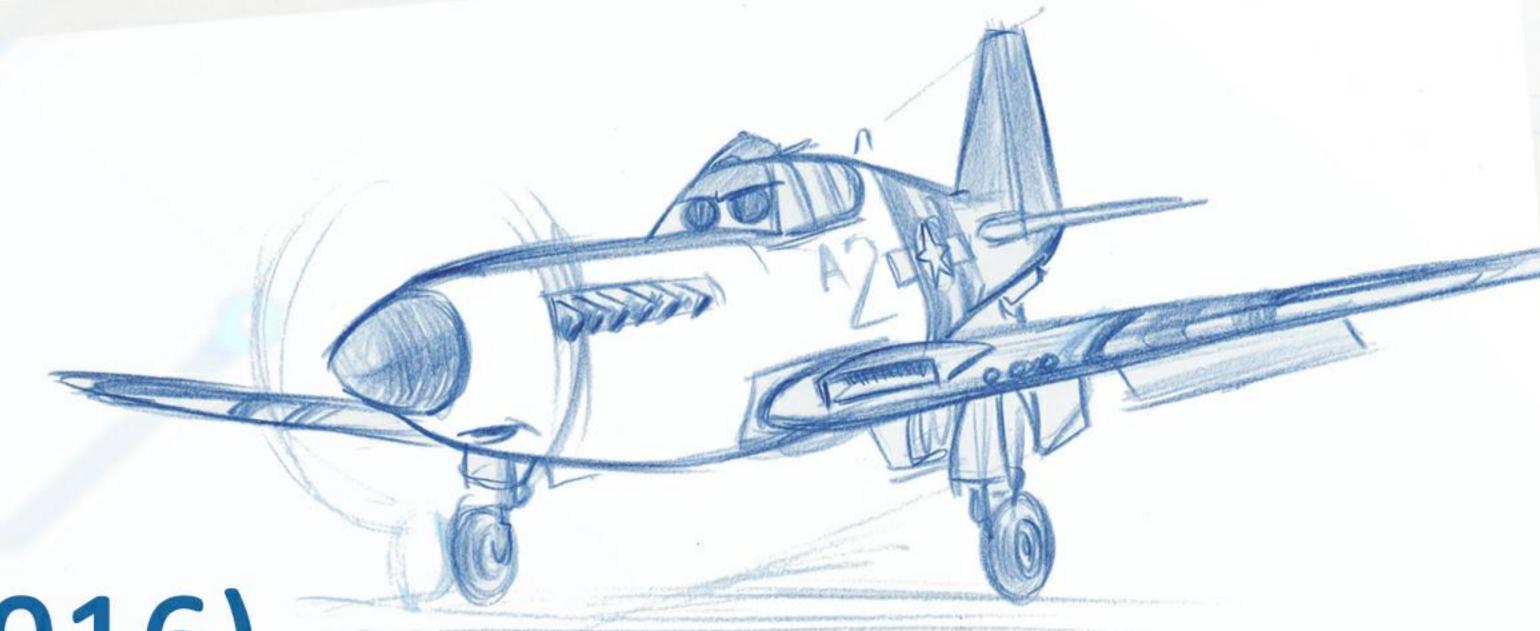
An annual day celebrated in accordance to when our team was found, on 4th Sunday of July. Where in all the present team members and the alumni are invited. A formal addressing from our alumni's to the team and a small briefing about the endeavors, projects and achievements till date by the team.

#### AEROPHILIA

Technology as they say has "made human beings lazy". But technology made us fly like birds, due to which people developed great interest in Aero Modelling. We create a platform for such students to test and develop their skills through a series of task oriented learning and competitions. The competition provides a platform to compete through a series of different rounds performing manoeuvres. The competition is launched with the vision to provide a unified platform for students interested in aerospace and related engineering disciplines to demonstrate their aero-modelling expertise.

Aerophilia is a National level Aero modelling competition conducted by TEAM CHALLENGERS in Sahyadri Campus. It is a team of dedicated undergraduate students from various disciplines of engineering, passionate towards Aeronautics and robotics, whose vision is to combine creativity and passion among enthusiasts hence leading the them to the achive thier goals.





## UNVEILING OF HAWK MIC-1 (The SAE Aerodesign Plane 2016)

The unveiling program of SAE AERODESIGN PLANE was done by Sri Nalin Kumar Kateel, Member of Parliament, and D.K. The program was held at Sahyadri Campus on February 27, 2016. Sri. R S Hiremath, CEO, Flexitron was the guest of honour. Capt. Ganesh Karnik, Hon'ble Opposition Party Chief Whip, Karnataka legislative Council, Sri Purushotam Chitrapura, Deputy Mayor, Mangaluru City Corporation, Sri Rajesh Naik U, Prof. MB Puranik, President Sharada Vidyalaya, Dr. Manjunath Bhandary Chairman and Dr. U M Bhushi, Principal of Sahyadri College of Engineering And Management, Mangaluru were with us for the Programme. Dr. Manjunath Bhandary has given full support to Team Hawk members of Sahyadri College and wished them success in the competition. Capt. Ganesh Karnik and Prof. M B Puranik congratulated the Team Hawk and the management of Sahyadri College.

The SAE AERODESIGN RC plane HAWK MIC-1 cleared the inspection round and grabbed fourth place in oral presentation in microclass category at the SAE Aerodesign (east) competition, Fortworth, Texas, USA. They stood first in oral presentation among the Indian teams in the competition. The team members were Mohammad Anwar, Tharanath, Gouse Khan, Midhun Jyothis, and Gerald K Anthony, Rajgokul ganiga P S, Nithin S Prakash, Probid J and Amrutha Khandare.



#### VISITORS

The excellence of the team has attracted many prominent personalities and dignitaries from various organisations and technical related vicinities. The range comprised of persons from ISRO to extra-ordinary entrepreneurs. The interaction with those dignitaries enriched the knowledge and the skill of the team members. It has also helped the team to excel themselves in thinking. Every distinguished guest who visited the Challengers lab gave an outstanding feedback about the lab. They were impressed about the dedication and determination of the team members towards research and their commitment towards the work.



Team members interacted with Padmashree Dr. R.M.Vasagam, Former Chairman, NDRF, and Krishna Swami Rama Chandran, Director, NDRF. Light weight RC Plane and Tri copter and its various applications were discussed with the team designed by challengers. They were impressed by the application of fully autonomous RC plane for the society.

Dr. Pavana Prabhakar, Assistant Professor, Department of Mechanical Engineering, University of Texas at El Paso interacted with students and challengers on the occasion of AEROPHILIA 2016. She has Ph.D. in Aerospace Engineering, from University of Michigan, Ann Arbor and Msc in Civil and Environmental Engineering (Structures), University of California, Berkeley.





Mr. Arvandh, Engineering for Light Combat Aircraft, LCA-Tejas Program at Aeronautical Development Agency was the guest of honour for Aerophilia 2016, took a session on 'Interactive Workshop on Product Design and System Engineering for first year students. Students were given a fun oriented session on design, ideate, prototype and testing where they had to detect a problem and come up with a technical solution.

Prof. C A Jagadeesha from ISRO visited Sahyadri and interacted with Challengers. He is working in digital analysis of the satellite data reservoir capacity evaluation, irrigated area crop type identification in command areas, ground water quality assessments, minor irrigation tank studies using Indian Remote Sensing Satellite data like IRS-1B, 1C etc. His current interests are in operationalizing the techniques already developed and developing new techniques from new sensors data like RISAT-1(InSAR).



**MANGALURU: The students** of Sahyadri College of Engineering and Management have designed a SAE Aero Design plane. It was unveiled by MP Nalin Kumar Kateel recently.

The 'Team Hawk' is a part of robotic club of the college. The team, which has taken part in various national-level competitions in the fields of electronics and mechanical engineering, is all set to take up an international challenge by taking part in the SAE International Aero Design event which will be held at Fort Worth, Texas from March 11

A press release said the members of the team are undergraduate students from various disciplines of engineering, passionate towards aerospace engineering and aeronautics who endeavor to chase new dimensions of engineering and kinetics of aero-

Around 75 teams from



khan M S, Midhun Jyothis, dra Gatti, Professor Gerald K Antony, Rajgokul Sahyadri College of Engineer-Ganiga P S, Nitin S Prakash, ing and Management is the around the world will be par- Probid J and Amrutha Khan- team adviser. dare - have been selected to participate in this year's SAE established as the Society of to undergraduate and gradu-Aero Design. The team has Automotive Engineers, is a ate engineering students. The successfully registered and re- US-based globally active pro- competition has been de- pursuing the lowest empty

ceived confirmation of their

fessional association and stanparticipation. Dr Rathishchan- dards organisation for engi-

neering professionals in various industries.

The SAE Aero Design contest is intended to provide a SAE International, initially real-life engineering challenge signed to provide exposure to the kinds of situation that en-

gineers face in their real-life and foremost a design comp tition, students will find themselves performing trade studies and making compromises to arrive at a design solution that will optimally meet the mission requirements while still conforming to the configuration limitations.

SAE Aero Design features three classes of competition -- Regular, Advanced, and Micro. Regular Class continues to be the class with the purpose to develop the fundamental understanding of flight. Advanced Class requires teams to have a systems approach to

the design while integrating several engineering disciplines such as aeronautical, mechanical, electrical, and computer engineers. The ultimate end goal for this class is autonomous flight with a 'purpose' decided every year by rules committee members. Micro Class teams are required to make trades between two potentially conflicthighest payload fraction possible, while simultaneously

#### Sahyadri to host aeromodelling event

Mangaluru: Sahyadri College

of Engineering and Management will organize a two-day national-level aeromodelling competition titled 'Aerophilia 2016' for undergraduate students across India from Friday. The motive behind organizing the event is to teach young minds to explore the new era of aeronautics in order to foster development of the nation, organizers said. Participating teams are expected to design a radio-controlled aircraft with regulation in its dimension and power system. The aircraft is validated by its manoeuvrability and maximum payload carrying capacity, which will be tested in two rounds. IIT-Bombay, IIT-Madras, IIT-Kharagpur;

IIT-Kanpur and NITK-Surathkal,

among others have registered

nautics for the nation's develop-

ment. The competition was inaugu-

rated by AV Aravindh, a a systems

engineer for the Light Combat Air-

craft, LCA-Tejas Programme at the

Aeronautical Development Agency,

Chinmaya, an electronics engineer

such a competition inspired them to

a state-owned company and wor-

king to produce a war plane for your

country," they said, adding that the-

re's a need for young talent in the in-

dustry to do big things. Aravindh is

a graduate of SRM Engineering Col-

lege and Chinmaya got his degree

Aravindh and Chinmaya said

"It's a fantastic journey being in

working on its avionics.

from VTU, Belagavi.

join aerospace engineering.

for the competition. TNN



# ಏರೋ ಡಿಸ್ಟೆನ್ ಇವೆಂಟ್ 'ಟೀಮ್ ಹಾಕ್'ಗೆ ಸ್ಥಾನ

ಡಿ.ಕೆ.ಬಸವರಾಜು

ಸಹ್ಮಾದ್ರಿ ಕಾಲೇಜ್ ಆಫ್ ಎಂಜಿನಿಯರಿಂಗ್ ಆ್ಯಂಡ್ ಮ್ಯಾನೇಜ್ ಮೆಂಟ್ ನ ಏರೋ ಡಿಸೈನ್ ಟೀಮ್ - 'ಟೀಮ್ ಹಾಕ್' ಅಮೆರಿಕದ ಟೆಕಾಸ್ ನಲಿ ಇತ್ತೀಚೆಗೆ ನಡೆದ ಸರ್ಧೆಯಲ್ಲಿ ಭಾಗವಹಿಸಿ ಓವರ್ ಆವರ್ ಪ್ರಸೆಂಟೇಶನ್ ಮೈಕ್ರೊ ಕ್ಲಾಸ್ ಕೆಟಗೆರಿಗೆ ನಾಲ್ಕನೇ ಸ್ಥಾನ ಲಭಿಸಿದೆ.

'ಟೀಮ್ ಹಾಕ್' ಕಾಲೇಜಿನ ಎಂಜಿನಿಯರಿಂಗ್ ವಿದ್ಯಾರ್ಥಿಗಳ ತಂಡವಾಗಿದ್ದು, ವಿನೂತನ ಏರೋ ಡಿಸ್ಟೆನ್ ರೂಪಿಸಿ ಅಂತರರಾಷ್ಟ್ರೀಯ ಮಟ್ಟದ ಸ್ಪರ್ಧೆಗಳಲ್ಲಿ ಭಾಗವಹಿಸಿ ಮೆಚ್ಚುಗೆ

ದೇಶದಲ್ಲಿ 12 ತಂಡ, ರಾಜ್ಯದಿಂದ ಎಂಐಟಿ ಹಾಗೂ ಸಹ್ಯಾದ್ರಿ ತಂಡಗಳು ಭಾಗವಹಿಸಿದ್ದ ಈ ಸ್ಪರ್ಧೆಯಲ್ಲಿ ಮೈಕ್ರೋ ಕ್ಲಾಸ್ನಲ್ಲಿ ನಾಲ್ಕನೇ ಸ್ಥಾನ ಪಡೆದಿದೆ. ವಿಶ್ವದಾದ್ಯಂತ ಒಟ್ಟು 75 ತಂಡಗಳು

ಈ ಸರ್ಧೆಯಲ್ಲಿ ಭಾಗವಹಿಸಿದ್ದವು.

ಟೀಮ್ ಹಾಕ್ ಸದಸ್ಯರಾದ ಮಹಮ್ಮದ್ ಅನ್ವರ್, ತಾರಾನಾಥ್, ಗೌಸ್ ಖಾನ್, ಮಿದುನ್ ಜೋತಿಸ್, ಜೋರಾಲ್ಡ್ ಆಂಟಯೋನಿ, ರಾಜ್ ಗೋಕುಲ್ ಗಾಣಿಗ, ನೀತಿನ್ ಎಸ್ ಪ್ರಕಾಶ್, ಪ್ರೋಬಿಡ್ ಜೆ, ಅಮೃತಾ ಕಾಂಡಾರೆ ಇವರು ಏರೋ ಡಿಸೈನ್ ಸ್ಪರ್ಧೆಯಲ್ಲಿ ಭಾಗವಹಿದ್ದರು. ಟೀಮ್ ಹಾಕ್ ಅನೇಕ ರಾಷ್ಟ್ರೀಯ ಮಟ್ಟದ ಸರ್ಧೆಗಳಲ್ಲಿ ಭಾಗವಹಿಸಿದೆ.

ಉತ್ಪಷ್ಟತೆಗೆ ವೇದಿಕೆ: ಸಹ್ಮಾದ್ರಿ ಕಾಲೇಜ್ ಆಫ್ ಎಂಜಿನಿ ಯರಿಂಗ್ ಅಂಡ್ ಮ್ಯಾನೇಜ್ ಮೆಂಟ್

ಬರೀ ಪದವೀಧರರನ್ನು ರೂಪಿಸುವ

ಕಾರ್ಯದಲ್ಲಿ ಮಾತ್ರ ನಿರತವಾಗಿಲ್ಲ. ಉತ್ತೃಷ್ಟ ಸಾಧನೆಗೆ ಭದ್ರ ವೇದಿಕೆಯನ್ನು ಒದಗಿಸಿ ಅವರ ಭವಿಷ್ಯಕ್ಕೆ ಭದ್ರ ಬುನಾದಿಯನ್ನು ಹಾಕಿಕೊಡುವಲ್ಲಿ ನಿರತವಾಗಿದೆ. ಶಿಕ್ಷಣದ ಜತೆಗೆ ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಸಂಶೋಧನೆಗೆ ಪ್ರೇರಣೆ, ಉದ್ಯಮಶೀಲತೆಯನ್ನು ಪ್ರೋತ್ಸಾಹಿಸಿ ಯಶಸ್ತಿ ಸಾಧಕರನ್ನಾಗಿ ರೂಪಿಸುವುದು, ಈ ಶಿಕ್ಷಣ ಸಂಸ್ಥೆಯ ಮುಖ್ಯ ಉದ್ದೇಶ. ಇದನ್ನು ಸಾಕಾರಗೊಳಿಸುವ ದಿಶೆಯಲ್ಲಿ ಶಿಕ್ಷಣದ ಜತೆಗೆ ಯಶಸ್ತಿ ಹಾಗೂ ಹೆಸರಾಂತ

ಸಿಇಒ, ಸಿಒಒಗಳು, ಕೈಗಾರಿಕೋದ್ಯಮಿಗಳನ್ನು ಶಿಕ್ಷಣ ಸಂಸ್ಥೆಗೆ ಆಹ್ವಾನಿಸಿ ಅವರಿಂದ ಪ್ರೇರೇಪಣಾ

ಉಪನ್ಮಾಸಗಳನ್ನು ಆಯೋಜಿಸುತ್ತಾ ಬರುತ್ತಿರುವುದು ಸಂಸ್ಥೆಯ ವೈಶಿಷ್ಟ್ಯ. ಚಾಲೆಂಜರ್ಸ್ ತಂಡವು ಹಲವು ರಾಷ್ಟ್ರೀಯ ಹಾಗೂ

ಅಂತರರಾಷ್ಟ್ರೀಯ ಮಟ್ಟದ ಸರ್ಧೆಗಳಲ್ಲಿ ಭಾಗವಹಿಸಿದ್ದು, ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ತಾಂತ್ರಿಕ ಕೌಶಲದ ಅನುಭವವನ್ನು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ದೊರಕಿಸುವ ನಿಟ್ಟಿನಲ್ಲಿ ಇದು ಒಂದು ಕ್ರಿಯಾತ್ಮಕ ತಂಡವಾಗಿ ಹೊರಹೊಮ್ಮಿದೆ.

ಹಾಕ್ ತಂಡವು ಚಾಲೆಂಜರ್ಸ್ ತಂಡದಿಂದ ಹೊರಹೊಮ್ಮಿದ್ದು, ಸಹ್ಮಾದ್ರಿ ಎಂಜಿನಿಯರ್ ಕಾಲೇಜು ಮತ್ತು ಮ್ಯಾನೇಜ್ ಮೆಂಟ್ ನ ರೊಬೊಟಿಕ್ ಕ್ಲಬ್ ನ ಒಂದು ಭಾಗ. ಈ ತಂಡವು ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಮತ್ತು ಮೆಕ್ಕಾನಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿದ್ಯಾರ್ಥಿಗಳು ಇದ್ದು, ರಾಷ್ಟ್ರ ಮತ್ತು ಅಂತರರಾಷ್ಟ್ರೀಯ ಮಟ್ಟದ ವಿವಿಧ ಸರ್ಧೆಗಳಲ್ಲಿ ಭಾಗವಹಿಸಿವೆ.

ಎಂಜಿನಿಯರಿಂಗ್ ಕ್ಷೇತ್ರದಲ್ಲಿ ಪದವಿಪೂರ್ವ ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ವಿವಿಧ ವಿಷಯಗಳಲ್ಲಿ ಶಿಸ್ತು ಬೆಳೆಸುವ ನಿಟ್ಟಿನಲ್ಲಿ ಹಾಕ್ ತಂಡ ತನ್ನನ್ನು ಸಮರ್ಪಿಸಿಕೊಂಡಿದ್ದು, ಏರೋಸ್ಟೇಸ್ ಎಂಜಿನಿಯರಿಂಗ್ ಮತ್ತು ಎರೊನಾಟಿಕ್ಸ್ ಕ್ಷೇತ್ರದಲ್ಲಿ ಉತ್ಕಟ ಮನೋಭಾವನೆಯಿಂದ ಕೆಲಸ ಮಾಡುತ್ತಿದೆ. ಅಲ್ಲದೇ ಇಂದಿನ ಸರ್ಧಾತ್ಮಕ ಯುಗದಲ್ಲಿ ಎಂಜಿನಿಯರ್ ಕ್ಷೇತ್ರದ ಹೊಸ ಅಯಾಮಗಳನ್ನು ತಿಳಿಸಿಕೊಡುವ ಪ್ರಯತ್ನ ಮಾಡುತ್ತಿದೆ.

ಎಸ್ಎಇ ಇಂಟರ್ ನ್ಯಾಷನಲ್: ಎಸ್ಎಇ ಇಂಟರ್ ನ್ಯಾಷನಲ್ ಅಮೆರಿಕ ಮೂಲದ ಅಟೊಮೊಟವ್ ಎಂಜಿನಿಯರಿಂಗ್ ಸೊಸ್ಕೆಟಿಯಡಿಯಲ್ಲಿ ಸ್ಥಾಪಿತವಾದ ಸಂಸ್ಥೆ. ಜಾಗತಿಕ ಮಟ್ಟದಲ್ಲಿ ಕಾರ್ಯ ನಿರ್ವಹಿಸುತ್ತಿರುವ ಈ ಸಂಸ್ಥೆ, ವಿವಿಧ ಕೈಗಾರಿಕೆಗಳಲ್ಲಿ ಸಕ್ತಿಯವಾಗಿ ತೊಡಗಿಸಿಕೊಂಡಿರುವ ವೃತ್ತಿಪರ ಎಂಜಿನಿಯರ್ಗಳ

ಗುಣಮಟ್ಟವನ್ನು ನಿರ್ಧರಿಸುವ ಸಂಸ್ಥೆ. ಪದವಿಪೂರ್ವ ಹಾಗೂ ಪದವಿ ಮಟ್ಟದ ಎಂಜಿನಿಯರಿಂಗ್ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ನಿಜವಾದ ಜೀವನದಲ್ಲಿ ಸವಾಲು ಎದುರಿಸಲು ಅನೇಕ ಸ್ಪರ್ಧೆಗಳನ್ನು ಏರ್ಪಡಿಸುತ್ತಿದ್ದು, ವಿವಿಧ ಸಂದರ್ಭಗಳಲ್ಲಿ ಮುಖಾಮುಖಿ ಎದುರಾಗುವ ಸವಾಲುಗಳನ್ನು ನಿಭಾಯಿಸಲು ಈ ಸ್ಪರ್ಧೆಯು ಅನುಕೂಲವಾಗಲಿದೆ. ಅವುಗಳಲ್ಲಿ ಏರೊ ಡಿಸ್ಟೆನ್ ಸರ್ಧೆಯು ಒಂದು. ಎಸ್ಎಇ ರೆಗ್ಗುಲರ್, ಅಡ್ಡಾನ್ಸ್ಟ್ ಹಾಗೂ ಮೈಕ್ಕೊ ಎಂಬ ಮೂರು

ವಿಭಾಗಗಳಲ್ಲಿ ಸರ್ಧೆ ಏರ್ಪಡಿಸಲಿದೆ. ಸಂಸ್ಥೆಯ ಅಧ್ಯಕ್ಷರಾದ ಡಾ. ಮಂಜುನಾಥ್ ಭಂಡಾರಿ, ಮತ್ತು ಆಡಳಿತ ಮಂಡಳಿ ಸದಸ್ಯರು ಟೀಮ್ ಹಾಕ್ ತಂಡಕ್ಕೆ ಶುಭಕೋರಿದ್ದಾರೆ.

# Students get wings at two-day Aerophilia 2016

TIMES NEWS NETWORK

Mangaluru: The sky above the Sahyadri College of Engineering & Management campus was the cynsosure of all eyes on Friday with radio-controlled aeroplanes and helicopters displaying their aerobatic

RC aeroplanes from Mangalore Flyers Club pulled off various daring manoeuvres. They were part of Aerophilia 2016, the two-day national aeromodelling competition, in which 25 teams, including NITs and IITs across the country, are participants. They create their aircraft which will be judged for design and working capacity.

On show were the Ticarno, Adarsh-Helicam, 3D flying aeroplane, UAVs and jet planes. However, most RC aeroplanes had a glitch during take-off or in mid-air. "It is due to humidity in along the coast and frequent change of wind direction. These metal birds cannot fly easily



Mangalore Flyers Club members show various manoeuvres in the sky during Aerophilia- 2016, a national-level

here compared to weather in Mysuru and elsewhere," said a person from the club, adding that a pilot entirely depends on wind direction for control

aero-modelling competition for undergraduate students in Mangaluru on Friday

fly hundreds of kilometres, but monitoring them becomes difficult once they disappear from the line of sight, They can fly in the air only for a few minutes due to limited fuel tank capa-

city," he said. They use methanol and petrol as fuel.

The objective of this competition is to teach talented young

minds of our nation to explore aero-

They said around 20 years ago, aerospace engineering courses we-

re few and far between due to high infrastructure cost but now a lot of it computerised.

"More students opt for it these day," they added.

#### Sahyadri College wins 2nd place in intl competition YOUNG ENGINEERS HOOKED

of the aircraft. "RC planes are able to

EXPRESS NEWS SERVICE @Mangaluru

TEAM Challengers from Sahyadri College of Engineering and Management (SCEM), Mangaluru, has participated in the SAE International Aerodesign held at Lakeland, Florida, USA, in micro class and regular class category and won second place in oral

presentation. They beat 75 pre-selected teams with much appreciation for their technical skills. The team members are Kausthubh Pallot, Rakshith Karumbbaiah, Akshay P N, Ranjitha H K, Nanda Kumar, Prashabh J P, Vikyath



class design report. "Winning is

M, Prabhath Shenoy, Mahadeva, Ananya, Shrinidhi and Shwetha. The



ಮಂಗಳೂರಿನ ಸಹ್ಯಾದ್ರಿ ಕಾಲೇಜ್ ಆಫ್ ಎಂಜಿನಿಯರಿಂಗ್ ಆ್ಯಂಡ್ ಮ್ಯಾನೇಜ್ ಮೆಂಟ್ ವಿದ್ಯಾರ್ಥಿಗಳ ಚಾಲೆಂಜರ್ಸ್ ತಂಡ ಮೈಕ್ರೋ ವರ್ಗದ ಮತ್ತು ನಿಯಮಿತ ವರ್ಗ ವಿಭಾಗದಲ್ಲಿ ಅಮೆರಿಕ ಸಂಯುಕ್ತ ಸಂಸ್ಥಾನದ ಫೋರಿಡಾದ ಲೇಕ್ವಾಂಡ್ ನಲ್ಲಿ ನಡೆದ ಎಸ್ಎಇ ಇಂಟ-ರ್ವಾಷನಲ್ ಏರೋ ಡಿಸೈನ್ ನಲ್ಲಿ ದ್ವಿತೀಯ ಸ್ಥಾನ ಪಡೆದಿದೆ.

#### TO AEROMODELLING

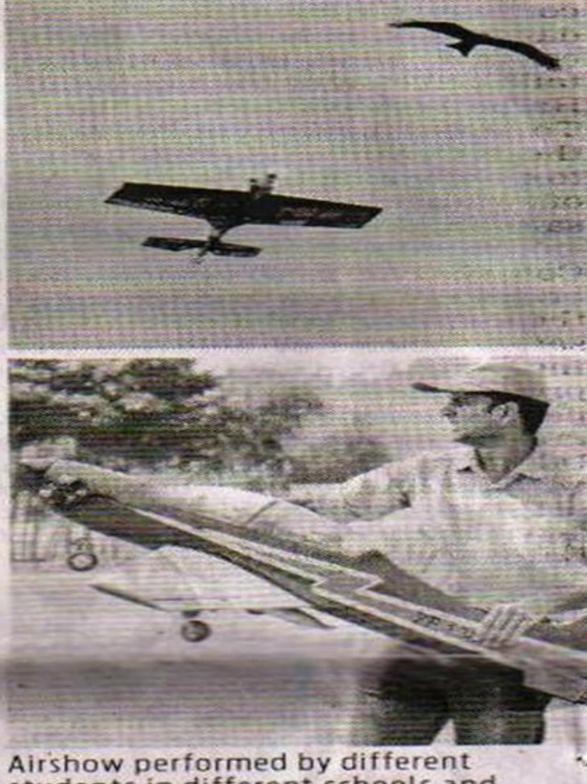
EXPRESS NEWS SERVICE @ Mangaluru

SAHYADRI College of Engi-neering and Management has organised a two-day national-level Aeromodelling competition 'Aerophilia 2017' at its campus from January 27. As many as 400 students from different schools and colleges from different states partici-pated in the Aeromodelling, airshow, drone race and many

Mangaluru International Airport Director J T Radhakrishna who formally inauhabit for Sahyadrians," chairman the students be passionate high concentration during the

The airshow performed by

Abdullah Ghasem Salehnezhad Morafi, an employee at Dubai Customs provided a multitude of learning experiences in mathematics, history, arts, graphics and science. The event also attracted the na tion's aero modelling enthusiasts to the city. Apart from aeromodelling, 'drone race' the audience. Technical talks



students in different schools and colleges at 'AEROPHILIA 201

opment of the nation. Prof B R Kulkarni, A flight lieutenant professor who is currently working in Goa Engineer ing College; Software Solution Provider for FAB Labs in USA Raianikanth Shastri; ISRO Scientist C J Jagadeesha; Wing Command er from Indian Airforce P C Pant BARC scientist Prof B N Kark era; Bhandary Foundation Chairman Manjunath Shandary

## ಸಹ್ಯಾದ್ರಿ 'ಚಾಲೆಂಜರ್ಸ್' ತಂಡಕ್ಕೆ ಪ್ರಶಸ್ತಿ ವಿಮಾಹರಿ ಮನ್ನಸ

ಎನ್ಐಟಿ ಕ್ಯಾಲಿಕಟ್ ತಾತ್ವಾ ಸ್ಪರ್ಧೆ: ಸಹ್ಯಾದ್ರಿ ಕಾಲೇಜಿಗೆ ಬಹುಮಾನ

ಾನಾ ವಿಭಾಗದಲ್ಲಿ ಮಂಗಳೂರಿನ ಕಡಲುಕೋಳಿ, ಡೆತ್ ರೇಸ್, ಆಕ್ಡಾ ಜಿಟಿ, ಡರ್ಟ್ ರೇಸ್, ಅಮೆಝೆಡ್, ಲೀಗ್ ಆಫ್

ಮೆಷಿನ್ಸ್, ಹ್ಯಾಕ್-ಎ-ಹೋಲಿಕ್ ಡಿಬಗ್ಗರ್, ಟ್ರಾನ್ಸ್ ಪೋಟರ್, ಸ್ಕೈ ಸ್ಟೇಪರ್ಸ್ ಬಾಬ್ ಬಿಲ್ಡರ್, ಮೈಂಡ್ ಕ್ರಾಫ್ಟ್



## IIT Kanpur walk away with honours at Aerophilia

TIMES NEWS NETWORK

ನಿಲಯದ ಮೆಕ್ಕಾನಿಕಲ್ ಎಂಜಿನಿಯ Mangaluru: IIT Kanpur, NIT-Karnataka, Surathkal, AISSMS College of Engineering, Pune Delhi Public School, Mangaluru and Mount Carmel High School, Mangaluru, were shortlisted during the second round ಗಳು ತಮ್ಮ ಏರೋ ಮೋಡೆಲಿಂಗ್ ಜತೆ of the flying competition at Aerophilia 2016, held at Sahyadri College of Engineering and Management.

The winners were selected on the basis of flight scene formula.

During the valedictory of Aerophilia 2016, Kimmane Ratnakar, minister for primary and secondary education was the chief guest. Manjunath Bhandary, chairman of the institute, Dr Hansraj Alva, a renowned physician, A V Aravindh, working as systems engineer for the Light Combat Air- am Enterprise (Aquib, Sha-



Karthik and Deepak of Team Pushpak, IIT Kanpur, receive first prize from Kimmane Ratnakar, minister for education at Aerophilia

craft, LCA-Tejas Programme at Aeronautical Development Agency and other were

The winners of Aerophilia 2016 are: First prize-Team Pushpak (Karthik, and Deepak), IIT Kanpur; Second Prize - Vaibhay, AISSMS, Pu--ne; Third Prize - Vishan, IX var; Consolation Prize I - Te-

ran, Mousin, Vishwas), NIT-K, Surathkal; Consolation Prize II - Omkar V Rao. VII std, Mount Carmel School, Mangaluru.

Prizes were also distributed for in-house competitions: Paper Plane competition - Abhilash; Maze running-Darshan and team; Rucontrol engineer, presently std, Manipal School, Atta- bik's cube-Harshat B R and Photography-Deepak N Kat-

ಮಂಗಳೂರು, ಮೇ13:ಸಹ್ಯಾದ್ರಿ ಆವರಣದ ಬಾನಂಗಳದ ತುಂಬೆಲ್ಲ ಶುಕ್ರವಾರಲೋಹದಹಕ್ಕಿಗಳಚಿತ್ರಾರ. ಮೋಡದೊಳಗೆ ಮರೆಯಾಗಿ ಮತ್ತೆ ಕಣ್ಣುಗಳಲ್ಲಿ ಸೆರೆ ಹಿಡಿಯುವ ತವಕ

ಆಡಳಿತಾತಕ ಕಾಲೇಜು ವತಿಯಿಂದ ಮೇ 14ರ ತನಕ ನಡೆಯುವ 'ಏರೊ ಫಿಲಿಯಾ- 2016' ರಾಷ್ಟ್ರಮಟ್ಟದ ಮಂಗಳೂರು ಫ್ರೈಯರ್ ಕ್ಬಬ್, ಅರ್ಥಪೂರ್ಣಎಂದರು.

ಅರವಿಂದ್ ಮಾದರಿ ಪ್ರದರ್ಶನದ ಉಪಸ್ಥಿತರಿದ್ದರು.

ಬಳಿಕ ಸುದ್ದಿಗಾರ ರೊಂದಿಗೆ ಮಾತ ನಾಡಿ, ವಿಮಾನ ಯಾನ ಕೇತ್ರದಲ್ಲಿ

ಏರೊ ಮಾಡೆ ಲಿಂಗ್ ಸರ್ಧೆಯಲ್ಲಿ ಆಗುತ್ತಿರುವ ಬದಲಾವಣೆಯನ್ನು ಅಯಾನ ಕ್ಷೇತ್ರ ರಾಷ್ಟ್ರದ ಅಭಿವೃದ್ಧಿಗೆ ಶುಕ್ರವಾರ ಕಂಡುಬಂದ ದೃಶ್ಯಗಳಿವು. ವಿದ್ಯಾರ್ಥಿಗಳುತಿಳಿದುಕೊಳ್ಳುವನಿಟ್ಟಿ ಯಾವರೀತಿಸಹಕಾರಿಯಾಗಬಲ್ಲುದು ಉದ್ಘಾಟನ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ನಲ್ಲಿ ಆಯೋಜಿಸಿದ ಈ ಕಾರ್ರಕ್ರಮ ಎಂಬುದನ್ನು ಉತ್ಘಾಹಿ ಯುವ ಮನಸುಗಳಿಗೆ ತಿಳಿಸುವ ಉದ್ದೇಶ ಎಡಿಎದ ಎಲ್ಸ್ಎ-ತೇಜಸ್ ನ ದಿಂದ ಕಾರ್ರಕ್ರಮ ಹಮ್ನಿಕೊಳ್ಳ ವತಿಯಿಂದ ಸುಮಾರು 9 ಏರ್ ಅವಿಯೋನಿಕ್, ನಎಲೆಕ್ಟಾನಿಕ್, ಎಂಜಿ ಲಾಗಿದೆ. ಸ್ಪರ್ಧಿಗಳು ತಾವು ತಯಾರಿ ಕ್ರಾಫ್ಟ್ ಮತ್ತು 1 ಹೆಲಿಕಾಪ್ರರ್ ನಿಯರ್ ಚಿನ್ನಯ, ಟೆಕ್ಸಾಸ್ ವಿ.ವಿ. ಸಿದವಿವಿಧಏರ್ಕ್ರಾಫ್ಟ್ಗಳಮಾದರಿ ಮಾದರಿಯನ್ನುಪ್ರದರ್ಶಿಸಲಾಯಿತು. ಮೆಕ್ಕಾನಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ಗಳನ್ನು ವಿದ್ಯುತ್ಚಾಲಿತ ವ್ಯವಸ್ಥೆ ವಿಭಾಗದ ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕ ಯಲ್ಲಿ ರಿಮೋಟ್ ಕಂಟ್ರೋಲ್ ಏರ್ಕ್ರಾಫ್ಸ್ ಡಾ। ಪವನ್ ಪ್ರಭಾಕರ್, ಕಾಲೇಜು ಮೂಲಕ ಪ್ರದರ್ಶಿಸಿದರು. 14 ಸಿಸಮ್ ಎಂಜಿನಿಯರ್ ಎ.ವಿ. ಪ್ರಾಂಶುಪಾಲ ಉಮೇಶ್ ಭೂಷಿ ರಂದು ಅಪರಾಹ 3ರಿಂದ 5ರ ತನಕ ಮಂಗಳೂರು ಫ್ಲೈಯಿಂಗ್ ಕ್ಲಬ್ ವತಿಯಿಂದ ಓಪನ್ ಗ್ರೌಂಡ್ ಫ್ಲೈ

#### These aero show models are a joy to behold



RAGHAVA M

no different from that of the original. Bengalurean Kupertise in flying the model and gave engineering students the real feel of the flight of F-16 fighter jet. He showed his skills during the aero model display



competition 'Aerophilia' at Adyar, near Mangaluru, on

change of wind direction participated in many aero-The two-day competi- during his engineering

ಮಂಗಳೂರು ಪ್ರೈಯರ್ಸ್ ಕ್ಲಬ್

down in the sky. There Agency involved develop- cal science and other were also displays of Ticarno and Adarsh-Helicam air
planes.

Mr. Aravindh said involving in aero modelling gives

ment of Light Combat Airstreams as the Central Government was laying more
emphasis on 'Make In India".

## ಸಹ್ಯಾದ್ರಿ ಕಾಲೇಜಿನಲ್ಲಿ ಏರೋ ಮಾಡೆಲಿಂಗ್ ಪ್ರದರ್ಶನ

ವಿಮಾನ ಯಾನ ಕ್ಷೇತ್ರದಲ್ಲಿ ಆಗುತ್ತಿರುವ

ತಿಳಿದುಕೊಳ್ಳುವ ನಿಟ್ಟಿನಲ್ಲಿ ಆಯೋ

ಜಿಸಿದ ಈ ಕಾರ್ಯಕ್ರಮ ಅರ್ಥಪೂರ್ಣ

ಯೋನಿಕ್ ನ ಎಲೆಕ್ಸ್ ನಿಕ್ಸ್ ಎಂಜಿನಿ

ಯರ್ ಚಿನ್ಮಯ, ಟೆಕ್ಕಾಸ್ ವಿಶ್ವವಿದ್ಯಾ

ಡಾ. ಪವನ್ ಪ್ರಭಾಕರ್, ಕಾಲೇಜು

ದೇಶದ ಪ್ರಮುಖ 11 ಎಂಜಿ

ನಿಯರಿಂಗ್ ಕಾಲೇಜುಗಳಿಂದ ವಿದ್ಯಾರ್ಥಿ

ಗೊಳ್ಳಲಿದ್ದು, ವಿಜೇತರಿಗೆ ಬಹುಮಾನ

ಸುರತ್ಕಲ್, ಐಐಟಿ ಮದ್ರಾಸ್, ಕಾನ್ಸುರ

ಪ್ರಾಂಶುಪಾಲ ಉಮೇಶ್

ಎಡಿಎ ಎಲ್ಸಿಎ-ತೇಜಸ್ನ ಅವಿ

ಪ್ರಜಾವಾಣಿ ವಾರ್ತೆ

ವಲಯದಲ್ಲಿರುವ ಅಡ್ಯಾರ್ ನ ಸಹ್ಯಾದ್ರಿ ಕಾಲೇಜಿನಲ್ಲಿ ಮಂಗಳೂರು ಪ್ಲೈಯರ್ಸ್ ಕ್ಷಬ್ ಮತ್ತು ಬೆಂಗಳೂರಿನ ಏರ್ಟ್ರಿಕ್ಸ್

ಪದವಿ ಪೂರ್ವ ವಿದ್ಯಾರ್ಥಿಗಳಿಗಾಗಿ 'ಏರೊಫಿಲಿಯಾ-2016' ಮಟ್ಟದ ಏರೋ ಮಾಡೆಲಿಂಗ್ ಸರ್ಧೆ ಯ ಅಂಗವಾಗಿ ಪ್ರದರ್ಶನ ಏರ್ಪಡಿಸ

ಮತ್ತು ಬೆಂಗಳೂರಿನ ಏರ್ಟ್ರಕ್ಸ್ ಸಂ ಸ್ಥೆಯ ವಿವಿಧ ಮಾದರಿಗಳ 9 ಏರ್ಕ್ಯಾಫ್ಟ್ ಹೆಲಿಕಾಪ್ತರ್ ಪ್ರದರ್ಶಿಸ

ಮಾಧ್ಯಮದವರೊಂದಿಗೆ ಮಾತನಾಡಿದ ಕೊಂಬಾಟ್ ಏರ್ಕ್ರಾಫ್ಟ್ ಸಿಸ್ಟಮ್

#### About Sahyadri

The college has Academic MoU with various National, International Universities and also has collaborations with leading Corporate & Industries that have given a tremendous boost to the students for innovation, research, certifications, internships and hands on experience.

The TQM culture can be seen in every facet of activity at Sahyadri from top management commitment by financial support, adequate empowerment, decentralization of power, employee involvement, and continuous improvement with apt deliverables for all







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