



BEACON 18-01



ATV (ALL TERRAIN VECHICLE) RED FALCONS

A team of 30 students from Mechanical engineering had participated in Mega All Terrain Vehicle Championships held at Goa, between 18/03/2019 and 20/03/2019, being organized by Auto sports India.

WINING POSITION :

39th position at National level
5th position at State level.



THE STORY OF THE UNPARALLELED PARALYSED GENIUS - COSMOLOGIST, SPACE TRAVELLER, HERO



"Remember to look up at the stars and not down at your feet. Try to make sense of what you see and wonder about what makes the universe exist. Be curious. And however difficult life may seem, there is always something you can do and succeed at. It matters that you don't just give up."

Stephen William Hawking (8 January 1942 – 14 March 2018) was an English theoretical physicist, cosmologist, author and Director of research at the Centre for Theoretical Cosmology within the University of Cambridge. His scientific works included a collaboration with Roger Penrose on gravitational singularity theorems in the framework of general relativity and the theoretical prediction that black holes emit radiation, often called Hawking radiation. Hawking was the first to set out a theory of cosmology explained by a union of the general theory of relativity and quantum mechanics. He was a vigorous supporter of the many-worlds interpretation of quantum mechanics. Hawking had a rare early-onset slow-progressing form of motor neuron disease (also known as amyotrophic lateral sclerosis or "ALS" and Lou Gehrig's disease), that gradually paralyzed him over the decades. Even after the loss of his speech, he was still able to communicate through a speech-generating device, initially through use of a hand-held switch, and eventually by using a single cheek muscle. After many experiments, first with carbon filaments and then with platinum and other metals, Edison returned to a carbon filament.^[50] The first successful test was on October 22, 1879.^[48] 1886^[51] [52]^[37] It lasted 13.5 hours.^[53] Edison continued to improve this design and on November 4, 1879, filed for U.S. patent 223,898 (granted on January 27, 1880) for an electric lamp using a "a carbon filament or strip coiled and connected to platina contact wires".^[54] This was the first commercially practical incandescent light.^[55]



FROM THE HOD'S DESK

GREETINGS TO FACULTY AND STUDENTS!

It gives an immense pleasure to release annual newsletter of Mechanical Engineering department for the year 2017. During last year, various curricular and co-curricular activities were conducted successfully by the department. Participation of Mechanical Engineering faculty in various training programs and International conferences was the most encouraging factor, which we want to continue in coming years also. Through periodic seminars, symposium, workshops, industrial visits and industrial training as integral parts of the course, the student were equipped with technical knowledge, critical thinking skills and creativity to excel in the engineering profession. An extremely dynamic and large faculty and a well experienced support staffs, give the Department a breadth of research focus and wide range of technical expertise. We are very pleased with the quality of the incoming students. It is up to us now to provide the same, if not better, learning experience for the enlarged study community.

VISION:

To Provide Knowledge centered education and prepare students for meeting global mechanical engineering challenges thereby enabling them to contribute for the prosperity of the society.

MISSION:

- * To impart quality education in mechanical engineering through teaching and learning process.
- * To promote students awareness about the importance of professional ethical practices.
- * To enrich the knowledge in mechanical engineering through research and innovation.
- * To inculcate the spirit of entrepreneurship among students.

PROGRAM EDUCATIONAL OUTCOMES (PEO)

1. Graduates of Mechanical engineering program will have a successful career in Mechanical Engineering and allied industries.
2. Graduates of Mechanical engineering program will have expertise in the areas of Design, Thermal, Materials and Manufacturing.
3. Graduates of Mechanical engineering program will contribute towards technological development through academic research and industrial practices.
4. Graduates of Mechanical engineering program will practice their profession with good communication, leadership, ethics and social responsibility.
5. Graduates of Mechanical engineering program will adapt to evolving technologies through lifelong learning.

PROGRAM SPECIFIC OUTCOMES (PSO)

- * PSO 1: Ability to implement new ideas in various fields such as thermal, industrial and product design & development while ensuring best manufacturing practices.
- * PSO 2: Ability to lead professional career in industries or an entrepreneur by applying engineering and management principles and practices.

EPITOME OF SUCCESS

SLNO.	NAME OF THE STUDENT	NAME OF THE COMPANY
1	ANANTHA NAARAYANAN	INFOSYS
2	ANBARASU RAJA	
3	ARAVINDADHITH	
4	AROKIA LJAS	
5	BERGIN RAJA	
6	DANISH FARAAS S	
7	GOUTHAM HARIHARAN	
8	GOVIND SREE PRAKASH	
9	JABEZ MESHACK	
10	JEEVANANTHAM	
11	POOJA SHARMA N	
12	PRAVEEN KRISHNA	
13	ROJUS SHERON	
14	SIVA	
15	SIVA SUBRAMANIAM	
16	TAMIZHAZHAGAN	
17	YOGESH KUMAR	
18	ANANTHA NAARAYANAN	CTS
19	ANDREW NELSON	
20	ARAVINDADHITH	
21	DANISH FARAAS S	
22	JAGADEESHWARAN S	
23	JEEVANANTHAM G	
24	JENOLIN VIJAY J	
25	NISHANTH N	
26	SIVA R	
27	SUBASH	
28	TAMIZHAZHAGAN	
29	MATHAN KUMAR S	NINJACART
30	NISHANTH L	
31	PRAKASH S	
33	SUNDAR SANKAR	ENA GAME STUDIO, PRIDE INDIA
34	REGAN FERNANDO	CYIENT
35	AJITH SURESH	
36	VIGNESH BASKARAN	YES BANK
37	KARTHICKRAJA	SANMAR
38	VENKAT PUNEETH	
39	SHARUQ AZARUDIN SHAHUL	ZOHO
40	SURUTHI MARIKUMARAN	KBR

INDUSTRIAL VISIT

Industrial Visits are arranged from time to time by our college for all the students to interrelate on a consistent basis with Industries and top software companies. The intention of these visits is to boost the student's understanding of information expertise. Such visits will help the students to get a comprehensible thought of the happenings and also to extend their career in the high tech industrial requirements. An index of some companies which our students have visited as part of Institution Industry Interface:

(2017 – 2018 / ODD SEM)

CLASS	INDUSTRY	DATE
III-A	ASHOK LEYLAND HOSUR	08-07-2017
III-B	DIAMOND ENGINEERING PVT LTD, MAMBAKKAM	30-06-2017
III-C	SCHWING STETTER	07-07-2017
III-D	SCHWING STETTER	04-07-2017
II-A	NORTH CHENNAI THERMAL POWER PLANT	01-07-2017
II-B	NORTH CHENNAI THERMAL POWER PLANT	15-07-2017
II-C	MURUGAPPA MORGAN THERMAL CERAMIC	14-07-2017
II-D	NORTH CHENNAI THERMAL POWER PLANT	10-07-2017

GUEST LECTURE

Sl. No	Title of the Lecture	Date	Guest	Year
1	Vehicle Design	02.08.18	Mr.R.Rakesh, Managing Director, Ravi-tarka Pvt Ltd Chennai.	II
2.	Product Design using CAD/CAM/CAE Tools	04.08.18	Mr.S.Chinnadurai, CADDAM echnologies Pvt Ltd, Chennai	II
3	Underwater Welding	03.08.18	Dr.S.Vijayan Professor, SN College of Engineering	III
4	Mechanical Engineering Failure analysis in machine designing	08.08.18	Dr.S.Sureshkumar, Professor, SSN Col- lege of Engineering	III
5.	Advance CAE Technique	09.08.18	Mr.S.Chinnadurai Structural Validation expert, CADDAM Technologies	IV