



*Ignite the imagination*

# IGNITION

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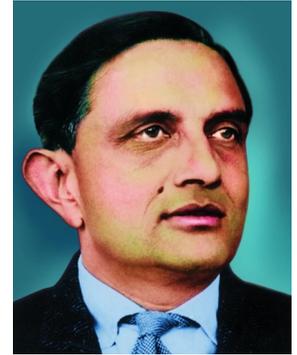
## **FATHER OF INDIAN SPACE PROGRAM**

### **Dr. Vikram Sarabhai**

Born on 12 August 1919 was Indian scientist and innovator widely regarded as “Father of Indian Space Program.” The establishment of the Indian Space Research Organization (ISRO) was one of his greatest achievements. His contribution in Indian space research is remarkable. Some of the most well-known institutions established by Dr. Sarabhai are

1. Physical Research Laboratory (PRL) - Ahmedabad
2. IIM—Ahmedabad
3. Community Science Center - Ahmedabad
4. Vikram Sarabhai Space Center — Thiruvananthapuram
5. Space Application Center - Ahmedabad
6. Fast Breeder Test Reactor—Kalpakkam
7. Electronics Corporation of India Limited (ECIL), Hyderabad .
8. Uranium Corporation of India Limited (UCIL), Jaduguda.

He successfully convinced the government of the importance of a space Program for a developing country like India. India's space Program may have had a humble beginning, but today it is recognized as one of the leading space Programs in the world and all credit goes to Dr. Vikram Sarabhai. Remembering his great work on his 97<sup>th</sup> Birth Anniversary on 12<sup>th</sup> August 2016.



1919 — 1971

**“Somewhere, Something INCREDIBLE waiting to be Known”. - Carl Sagan**

Department of Mechanical Engineering, College of Engineering (Poly.), Pandharpur

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### **Departmental Achievements**

- \* 10 - Staff's Appearing for M.E. / M.Tech PROGRAM.
- \* 3 Staff's completed their M.E.
- \* Mr. Swapnil Mahajan Overall Topper

## **Message from the Head**

Dear student friends,

I welcome you all for the 1<sup>st</sup> semester of the academic year 2016-2017. Last semester was full of departmental events like Industrial training of faculties, Industrial visits, Project Competitions, Training Programs, Skill development courses for the students etc. This issue of **IGNITION** has given focus on students academic growth & participation in different events like National Level Paper presentation, State Level MSBTE project exhibition, etc. Wish you all the best for the coming semester.

**Prof. A. M. Chavan**

## Vocational Training Courses

As part of training activity department of mechanical engineering arranged vocational skill development courses for students. Auto CAD course was arranged for Second year students and CATIA V5 Course was arranged for Third Year Students. Almost 60 second year students benefited from training course. From third year almost 20 students get benefit of the course. Response of the student as compare to last year is more.



## Training Programs / Publications

1. **Mr. S.D. Bhingare** — Published International Journal on “CFD Analysis of Conical Shape Journal Bearing Under Different Operating Conditions” in International Journal of General Science and Engineering Research.
2. **Mr. S.N. Khurd** - Published International Journal on “ Analysis of Two Wheeler suspension spring by using FEA for Different Materials.’ in International Research Journal of Engineering & Technology.
3. **Mr. A.C. Vasekar, Mr. K. B. Jundale** — Attended one week STTP on “FEA by using ANSYS & Hypermesh” at SVERI’S College of Engineering Pandharpur in May 2016.
4. **Mr. P. A. Mane** — Published International Journal on “A critical review: Application of epoxy non metal composite material for automobile propeller shaft” in International advance research journal in science, engineering & Technology

## Participation in Competitions — Sport Events/ Technical Events

1. Mr. Gaikwad Ravindra, Mr. Chormale Nikhil, Mr. Tangawade Manoj, Mr. Bhagwat Shubham, Mr. Chavan Pruthviraj, Mr. Raykar Rushikesh, Mr. Langote Saurabh, Mr. Kulkarni Indrajit, Mr. Kumbhar Avinash, Mr. Onkar Ayare, Mr. Lokare Soham & Mr. Mahajan Swapnil — **Participated** in ‘ROBOTHOLON’ (Automobile Engine Design) at Dr.Babasaheb Ambedkar Tech. University organized by Robosapiens Technologies Pvt. Ltd.
2. Mr. Sonar Onkar & Mr. Mane Ranjeet attended two day workshop on “Solid Modeling using CATIA” at New Satara Polytechnic, Korti.

## Industrial Visits

For enhancing the practical knowledge of the students department of mechanical engineering arranges industrial visits. Every semester depending upon the need of the subject the visits are arranged. Last semester SY visited

1. M/S Marvelous Metals PVT. LTD. Kolhapur.
2. Jadhav Industries— Kolhapur.
3. Narayani Aluminium Cast—Kolhapur

Third year students visited

1. SUZLON Energy — Sangli
2. GKN Driveline — Wagholi Pune
3. SPAN Filters - Hadapsar Pune



### EAC Camp/ CIP Workshop / Guest Lectures

Focusing on overall development of student's, department of mechanical engineering arranged various skill development activities like guest lectures, EAC, CIP camp's etc.

1. Guest Lecture on "Industrial Applications of Metrology & Quality Control" by Mr. Vikram. U. Ekal Deputy Manager from **Esbee Electrotech LLP**, Bhosari, Pune
2. Guest Lecture on "Industrial Awareness & Applications of

CAD/CAM CAE " by Ms. Namrata Ghag, from Design Dept, of **CADD Center**, Pune

3. Communication Improvement Program for Third year students



## MSBTE Summer 2016 Result

### Second Year

Student Name	% Mark
Mr. Mahajan Swapnil Nagnath	92.63
Ms. Wangikar Riya Makarand	90.82
Ms. Jagtap Akshata Tukaram	90.44

### Third Year

Student Name	% Mark
Mr. Chavan Pruthviraj Avinash	90.88
Mr. Bhagwat Shubham Dashrath	89.18
Mr. Atkar Vipul Somnath	87.76

1. **Mr. Bhui Sagar Tukaram** — Scored [100 out of 100 Marks in Engineering Mechanics](#)
2. **Mr. Dandavate Rushikesh Prasad**- Scored [100 out of 100 Marks in CMS & Engineering Mechanics](#)
3. **Mr. Bagwan Aijaj Noormohammad** - Scored [100 out of 100 Marks in Engineering Mechanics](#)
4. **Mr. Damre Surja Kanta** — Scored [100 out of 100 Marks in Engineering Mechanics](#)

### ISRO

Formed in 1969, ISRO supersede the erstwhile Indian National Committee for Space Research (INCOSPAR) established in 1962 by the efforts of independent India's first Prime Minister, Jawaharlal Nehru, and his close aide and scientist Vikram Sarabhai. India started its space Program by experimenting with sounding rockets in the 1960s. It became a space-faring nation, a nation capable of launching satellites by using indigenously developed rocket technology by 1980, only the seventh country in the world to do so.

Developing a space Program was easy for other countries because they already had a developed missile Program. But this was not the case with India. India also did not have any aircraft designing and manufacturing base. Therefore, no existing technological support base was available on which the space Program could be built. Our space Program was started with the vision articulated by founding fathers such as Dr. Vikram Sarabhai & Dr. Satish Dhawan.

Over the years, various scientists, technologists, engineers and administrators have contributed immensely in the development of the space Program. ISRO did have its share of technical failures, however, it learnt quickly from them and moved ahead.

At the global level, India's space Program has received much respect, when compared to other Asian space giants such as China and Japan.



India's First Rocket  
LaunchIn1960s



India's Most Powerful  
Rocket GSLV D5



### EDITORIAL -

It gives us great pleasure to present Third volume of our departmental news letter [IGNITION](#) to you which gives us the opportunity to see the achievement's of our department. In this issue we covered different tasks carried out at Mechanical Engineering department like Training Programs, Entrepreneurship development Program (EDP), Project & Sport events etc. We are thankful to all the faculties & Students who have give their contribution for preparing this newsletter. We attempted our best and given best efforts.

**Prof. Y.D. Chavan**

