

RVCE Graduation Day Address Dr.SVSharma, Deputy Director, ISAC

Prof Rodaam Narasimha, Dr. M.K.Panduranga Setty, Prof. B.S. Satyanarayana, RCVE Governing body members, Deans, Academic Council members, distinguished professors, lecturers, my dear student friends girls & boys, your proud parents, ladies and gentlemen,

A very good morning to you all.

First of all I would like to convey my hearty congratulations to you all as this year happens to be the Golden Jubilee Year of this college. Since its inception in 1963, RVCE has come a long way in becoming one of the premier engineering colleges of India, providing excellent education in various engineering streams offering Bachelors degree & Masters degree. I am also happy to note that the college provides best support to carry out research and consultancy activities. As per the vision statement of this college, RVCE intends to be a Global Leader in providing Quality Technical Education, Research, & Innovation. I convey my best wishes to you students to enable you to accomplish this vision.

A large number of universities and higher educational institutions have come up in India in recent times. This increased number of educational institutions in itself is not an indicator of development; it is the challenge of providing good quality education that is the main concern of India today.

One of the aspects which has impressed me personally is the encouragement given to students to engage in research and innovation. RVCE students along with the students from seven other colleges from Karnataka and Andhra Pradesh have built a pico satellite STUDSAT. This was launched onboard PSLV-C15 on 12th June 2010 along with CARTOSAT-2B. This is a great achievement of your college to demonstrate the capability to build satellite systems which involves various engineering domain expertise. I also understand the college's initiative to develop Hybrid automobile vehicle, unmanned aviation vehicles, robotics and racing cars demonstrates that you are on right path to becoming a world -renowned institution. All these efforts of yours have fetched you various awards from Government and private organizations of our country. I congratulate you on your laudable achievements.

I am indeed happy to be a part of your graduation day celebrations. Graduation day is an important milestone in the educational journey of a student. It is an occasion when a new batch of qualified professionals is placed in the hands of the society for its development, enrichment and well being.

My dear students, I thought today, I will talk about “**Personality Development, Ethics, Education, Technology and Space Programme**” which will help you in becoming successful leaders.

Dear friends, you are at the very crucial stage of your life wherein you need to work on your overall personality development that reflects your behavior, attitude, thinking, ability to

deal with the outside environment etc. At the same time we Indians are known for our culture and values. The seeds that you have sown today will fructify, the benefits of which you will reap later. I want all of you to develop a positive attitude, good behavioral habits that would show you as good citizens of the country.

As I stand before you to present the graduation day address, I feel that I am looking at the future generation of technologists, leaders and entrepreneurs who are going to take India to greater heights. You should not hesitate to think and dream big. Today's dreams are tomorrow's reality. Young as you are, you have no boundaries, no hurdles and no limitations to thinking big. Your dreams and thoughts can make the impossible possible. Pursue your dreams with passion, hardwork and dedication. The thirst to gain more knowledge should never come to an end. Mahatma Gandhi, Father of our nation said, and I quote "Live as if you were to die tomorrow. Learn as if you were to live forever." unquote. Students, let us work together to make Mahatma's vision a reality

Keep a balance between professional and personal life. Find time for your family and the things which interest you.

Let me give you some points on the potential strength of "**education**".

The great personality Nelson Mandela said, and I quote "***Education is the most powerful weapon which you can use to change the world.***" unquote.

In the face of rapidly changing technology, keeping abreast with knowledge is imperative. Knowledge must connect with the needs of the society. Universities in India must redefine themselves. If we don't then we will increasingly become irrelevant. Education is not merely about making millions literate. It is also about citizens realizing their rights and their obligations, both of which are necessary to democratic functioning.

Well, "**Ethics**" is one topic which I thought I have to stress today as this is very vital in everybody's life.

Man's life has a moral standard. Ethics is very important as you grow. You have to show concern and take care of your family and friends. Please believe me, they have supported you and will continue to support you in time to come without expecting any returns from you. My dear students on this occasion please give them all a big round of applause in appreciation of whatever good they have done for you. What you are today is because of them. At workplace also your ethics will have a significant impact on your professional success. Your boss peers and subordinates look at your human approach which is an integral part of your success. Honesty, integrity, respect, caring for others, fairness, co-operation and appreciating others' value systems are some of the constituents of ethics. They cannot be taught but have to be acquired and adopted by you.

Now moving on to the topic "**Technology**":

Technology is the buzz word in today's world. Though I am not elaborating on technologies I think this is a subject that you and I share in common. In its simplest form of definition, technology is the application of knowledge to solve a problem or improve a pre-existing solution to achieve a goal. 'Development of technology' started two million years back when mankind started using stone tools for hunting and protection. From then onwards it has been growing exponentially with advancement in science and education. Today's science is tomorrow's technology. It bridges the gap between the possible and impossible.

I strongly opine that if India has to become a leading nation in the world, technology will be a major dimension for our prosperity. Our country is home to the third largest technical and scientific manpower in the world and it is also one of the top-ranking countries in the field of basic research. We have a strong technological base in various fields like space, nuclear, defence and Information technology

Our strength is its education, manpower and its capability. Some of you will soon be involved in building future new technologies and taking our country to the top of the world. I urge all of you to think about future technologies and applications in your respective fields, and make our country feel proud. I am sure this institution will continue to offer such courses and become a catalyst in giving future CV Ramans and Aryabhatas to our nation.

As the Director of ISRO Satellite Centre it is my duty to speak about Indian Space Program and of how space technology helps us in all walks of life.

India is now the role model to the world in space applications; one of the six in the world with the capability to build satellites and launch them from her own soil.

You might all be aware that India's Mars Orbiter Mission was launched in November 2013 and the satellite will reach MARS by September 2014. This is ISRO's first mission to a planet to study its terrain and atmosphere. Mars Mission was successful in our first attempt itself. The world applauded our achievements. This mission is inspirational to the young generation.

On January 5th 2014, the world witnessed the successful launch of GSLV-D5 carrying GSAT-14 satellite. Ours is the sixth nation to indigenously develop cryogenic technology. If you recall twenty years back, Russians denied this technology to India. This was a blessing in disguise for us. Our scientists and engineers worked hard and finally developed this critical technology and once again demonstrated to the world that we are on par with other space faring nations.

Based on the application derived out of the space program, Indian Space Program today has the satellite & launch vehicle program. In the area of satellites, there are three major programs namely remote sensing program, communication program and navigation program. We also have interesting projects in space science and interplanetary missions.

Indian Remote Sensing (IRS) satellite system is the largest civilian remote sensing satellite constellation in the world providing imageries in a variety of applications like natural resource management, urban development, mineral prospecting, disaster management etc.

The Indian National Satellite (INSAT) system established in 1983 initiated a major revolution in India's communications sector and sustained the same later. It provides services in telecommunications, television broadcasting, weather forecasting, disaster warning and search & rescue operations.

Satellite based navigation is emerging as an important space application wherein a constellation of satellites works together to provide accurate position, time and velocity information to objects travelling on land, sea or in air making the travel more efficient and safe. India is developing its own satellite based navigation system called Indian Regional Navigation Satellite System (IRNSS) comprising seven satellites. Our first and second navigation satellites IRNSS-1A and 1B are already in orbit and the launch of the third mission in this program is planned by August this year. The entire constellation will be ready by 2015.

As part of interplanetary exploration; Chandrayaan-1, India's first mission to Moon, was launched successfully on October 22, 2008. You all know, the mission confirmed the presence of water on the lunar surface. Chandrayaan-2, India's second mission to the Moon, will have an Orbiter and Lander-Rover module and will be launched during 2016-17 time frames.

My dear friends what greater inspiration and motivation do you need to go all out to realize your dreams, than this?

Finally I am concluding the address with four important aspects that you need to focus on:

- a. In your professional life, you will face many challenges both technical and managerial. A good leader will have the ability to face these challenges and spearhead changes
- b. Make sure that you will make use of opportunities that come your way. Be entrepreneurial and have the courage to fail. When you face hurdles, use your conviction and your commitment.
- c. Don't forget that a vast majority of our population lives below the poverty line. It is imperative that the power of technology which creates wealth reaches this category of people also
- d. Learning throughout one's life should be your guiding principle. Eleanor Roosevelt once wrote, I quote "The future belongs to those who believe in the beauty of their dreams. We are all unique but I think the luckiest are those who challenge themselves to dream impossible dreams, make them a reality and ultimately leave behind a legacy." unquote.
- e. My dear friends on this happy occasion I congratulate you students on having acquired Bachelor and Master Degrees. It is a dream realized for most of you as well as for your

parents and teachers. I also wish best of luck to you in your future assignments both in personal and professional life.

Thank you one and all for your patient hearing. Jai Hind