



Independence Day Speech

Greetings of the 72nd glorious day of the Independence of our nation. As we celebrate the diamond studded day in the annals of Indian history, we as stakeholders of the largest democracy of the world, should uphold the invaluable ideals and ideologies that have spearheaded the independence of our country, that we have been enjoying since 15th August 1947. India's power and strength lie in its citizens and the unity that we uphold in its diversities.

I would like to tell some facts on our nation, which bring pride and respect.

Historical Facts about India

- India never invaded any country in her last 10000 years of history.
- India invented the Number System. Zero was invented by Aryabhata.
- The World's first university was established in Takshila in 700BC. More than 10,500 students from all over the world studied more than 60 subjects. The

University of Nalanda built in the 4th century BC was one of the greatest achievements of ancient India in the field of education.

- Sanskrit is the mother of all the European languages. Sanskrit is the most suitable language for computer software, reported in Forbes magazine, July 1987.
- Ayurveda is the earliest school of medicine known to humans. Charaka, the father of medicine consolidated Ayurveda 2500 years ago. Today Ayurveda is fast regaining its rightful place in our civilization.
- Although modern images of India often show poverty and lack of development, India was the richest country on earth until the time of British invasion in the early 17th Century.
- The art of Navigation was born in the river Sindh 6000 years ago. The very word Navigation is derived from the Sanskrit word NAVGATI. The word navy is also derived from Sanskrit 'Nau'.
- Bhaskaracharya calculated the time taken by the earth to orbit the sun hundreds of years before the astronomer Smart.; Time taken by earth to orbit the sun: (5th century)365.258756484 days.
- The value of pi was first calculated by Budhayana, and he explained the concept of what is known as the Pythagorean Theorem. He discovered this in the 6th century long before the European mathematicians.
- Algebra, trigonometry and calculus came from India; Quadratic equations were by Sridharacharya in the 11th Century;The largest numbers the Greeks and the Romans used were 10^6 (10 to the power of 6) whereas Hindus used numbers as big as 10^{53} (10 to the power of 53) with specific names as early as 5000 BCE during the Vedic period. Even today, the largest used number is Tera 10^{12} (10 to the power of 12).

- According to the Gemological Institute of America, up until 1896, India was the only source for diamonds to the world.
- USA based IEEE has proved what has been a century-old suspicion in the world scientific community that the pioneer of Wireless communication was Prof. Jagdeesh Bose and not Marconi.
- The earliest reservoir and dam for irrigation was built in Saurashtra.
- According to Saka King Rudradaman I of 150 CE a beautiful lake called 'Sudarshana' was constructed on the hills of Raivataka during Chandragupta Maurya's time.
- Chess (Shataranja or AshtaPada) was invented in India.
- Sushruta is the father of surgery. 2600 years ago he and health scientists of his time conducted complicated surgeries like cesareans, cataract, artificial limbs, fractures, urinary stones and even plastic surgery and brain surgery. Usage of anesthesia was well known in ancient India. Over 125 surgical equipment were used. Deep knowledge of anatomy, physiology, etiology, embryology, digestion, metabolism, genetics and immunity is also found in many texts.
- When many cultures were only nomadic forest dwellers over 5000 years ago, Indians established Harappan culture in Sindhu Valley (Indus Valley Civilization)
- The place value system, the decimal system was developed in India in 100 BC.

Ours is a welcoming nation and it cherishes non-violence, tolerance, and inclusiveness, and it is these social values that entice the world to our country. We can be proud of our fast growing economy and the judicious governmental policies that have gained global recognition. The centre for International Development (CID) at Harvard University, finds that India tops the list of fastest growing countries in the

world, as it has taken novel directions in diversifying its export base to include more complex sectors. CID also notes that India's productive capabilities far exceed expectations based on its current income level, which would aid its rapid growth in the coming decade.

Michael Dingman, the chair of Global Strategy and Entrepreneurship of University of Maryland, observes that with its escalating economy, India is very likely to become the world's third largest economy after China and the United States. India's emergence as superpower would better the life condition of millions of our brothers and sisters who live below poverty line. Our country can boast of its singularity as it juxtaposes rapid economic growth and fairness towards the people who are in the lower rung of social ladder. India's endeavor to be the super power of the world is definitely going to be scaffolded by its stronghold in the field of Information and Technology. Our nation is looked upon as an ideal example in terms of efficient resource utilization, especially in energy.

The identity of being an independent country where sovereign power of deciding our destiny rests with us, brings about a huge responsibility on our shoulders. We, particularly the elite who are in this campus have got double the responsibility compared to a common man, to dedicate our services and life for the progress of the nation. This is because we are paid to an unimaginable extent, expecting that the outcome of this institution will lead the nation forward.

The money spent on each student here would have been enough to have a village primary school. The money spent on each faculty member could have been enough to finance a small secondary school. The nation although constrained with resources did spend such a huge amount of common man's money, only to expect that such institutions will contribute for the progress of the nation from which the people of this country will be benefitted.

As director of this prestigious institute, I would like to forth some facts about our Institute and we are taking part in the development of the nation.

Permanent Campus:

CPWD has taken up the activity of construction of Academic, Hostel, Guest House and Admin buildings in Phase-I. Expected date of completion of Phase-I building in by March 2019. Immediately Phase-II will be executed. HEFA / MHRD has sanctioned Rs. 400cr for infrastructure and development.

Construction of the Phase IA is in progress. Under this phase 1200-capacity boys hostel, 800 capacity girls hostel with separate mess facility, classroom complex, laboratory and workshops, faculty quarters, guesthouse and outdoor sports facility are planned. All the buildings are expected to be complete by July 2019.

Academic Wise

- We recruited 32 regular faculty and 78 ad-hoc faculty.
- 58 % faculty have Ph.D degrees
- 80% of faculty are having at least one Degree from prestigious centrally funded Institutes.
- 75% of faculty published research papers in international Journals and conferences.
- Few of them filed patents also.
- 60% of them having at least two years of teaching experience.

Laboratory Development: Tenders were called to establish state of the laboratory facilities for the students. The process is in progress.

Students Wise:

The statistics says that all our final year students are doing exceptionally well.

- 69% of our final year students are having CGPA greater than 7.
- 80% never had backlogs.
- 78% students did one or more than one internships

- 52.7 % students have the habit of reading research journals.
- 72% finished mini projects.

We observed the almost similar trends with third year students.

Social Responsibility:

Students of NITAP and some teachers have been sparing their funds and contributions to the children in Govt. primary schools for the last couple of years. Their commitment and responsibilities are highly appreciable.

Training and Placement Activities:

We deputed Prof. Amba Prasad Rao, former Prof. In-charge of NIT Warangal to take care of the placement activities for final year students.

As per the report by Training and Placement section, good number of companies are showing interest to visit our institute.

Training and Placement section conducting mock interviews and groups discussion and other training activities to make the students ready for the placements.

First Year Admission:

This year admissions are excellent. About 473 students got admissions in to NIT Andhra Pradesh.

Ph.D and M.S by Research programs:

First academic council meeting was held on 29 July-2018 and important decisions were taken. Ph.D on part time basis for all working engineers/scientists/teachers and M.S by research program for working engineers from industries will be started from Dec-2018 session onwards. Two schools namely school of basic sciences and school of Management and Humanities will start its function soon.

Our institution is progressing day by day, and we all should strive hard to bring NIT-AP to the foremost position among all NITs. Our strength lies in our students, who would be the global ambassadors of NIT-AP, in the days to come. NIT-AP plays an integral role in the development of Andhra Pradesh, and in near future NIT-AP will be on a par with the top most technical institutes in the country and I urge you all to dream high too take our institute to a higher plane.

With this optimistic note, I take your thoughts once again to the immeasurable sacrifices made by our freedom fighters and national leaders, who were instrumental in making India an independent nation. Let us all go hand in hand and strive hard to stamp our contribution towards the development of our country.

Jai Hind