

The words of Swami Vivekananda “Arise! Awake! And stop not till the road is reached“ act as our motto and watchword that will always inspire our children throughout their lives. It is rightly said that “The whole purpose of education is to teach the child to think and not what to think”. We believe that this is the fundamental truth and it has always been the endeavour of the institute to instil right values in its students so that they develop a holistic personality and are ready to take on the challenges head on once they step out in the real world.

We have set out on an elevating and stimulative journey with the aim of providing our students an exclusive learning experience by teaching them to march ahead with positive attitude, skill, confidence, sensitivity and responsibility.

Dear students, as you prepare to appear for the Examinations, this is what I have to say. The next few days are going to be crucial for all of you. All your hard work is about to pay off. Stay focused and do your best. Believe in yourself. No need to be nervous, no need to be scared. Keep a positive attitude. Just stay confident and concentrate. Give it your best and success shall be yours. An exam is not only a test of your academic knowledge, it is a test of your calmness, stability and positive attitude.

All the very best!!!

**With Best Wishes,
Dr. Kamlakar Manikrao Bakwad
Principal,
Govt. Residential Women’s Polytechnic, Latur**

The Editorial Team

**Mrs. K. G. Giri, Lecturer (ET)
Mrs. A. S. Bhandare, Lecturer (ET)
Mrs. N. M. Jadhav, Lecturer (ET)
Mr. A. B. Mohale, Sr. Clerk
Ms. Aditi Shinde, ET3I**



To become Centre of Excellence providing quality technical education and training to make self reliant and responsible citizens.



To provide conducive environment for quality education

To extend facilities and services for excellence in technical education.

To inculcate values and ethics for life long learning through curricular, co-curricular and extra curricular activities.

To enhance the skills of faculties and staff through quality improvement training programmes and higher education .



Events Gallery

1. "Swacchta Hi Seva" Abhiyan

A Cleanliness Campaign was conducted in the institute on account of Mahatma Gandhi Jayanti under "Swatchtahi Seva Abhiyan" on 1st October 23. The students and faculty members participated by undertaking 'shramdaan' activities aiming to generate to disseminate the importance of a sampoomna swachhta; to reinforce the concept of



Swachhata Abhiyan In Civil Department



Cleanliness as everyone's business; and as a prelude for the Swachh Bharat Diwas (2nd October) with nationwide participation. In this programme all teaching, nonteaching staff and students participated with great zeal for cleaning department laboratories, classrooms, corridors and college campus.

2. Mahatma Gandhi Jayanti

Mahatma Gandhi Jayanti was celebrated in Institute on 2nd October, 2023 commemorating the birthday of Mahatma Gandhi, Father of India, as quoted by Netaji Subhash Chandra Bose. The day is significant for honouring Gandhi's life and principles, promoting his ideas of non-violence and civil disobedience, and advocating for peaceful resistance. The Faculty members and students garlanded the photograph of Mahatma Gandhi. Mr. P. D. Jagtap, Lecturer (Electronics), co-ordinated for the arrangements.



3. Lal Bahadur Shastri Jayanti



On 2nd October, 2023, the institute celebrated not one but two great leaders who left an indelible mark on the nation's history, an occasion to commemorate the birth anniversary of another remarkable leader, Lal Bahadur Shastri. Lal Bahadur Shastri Jayanti holds special significance as we remember the life and legacy of the man who served as India's second Prime Minister. He remains an enduring symbol of selfless service and dedication to the nation. Shastri was a freedom fighter and a close associate of Mahatma Gandhi. He played a key role in the Indian independence movement and was imprisoned several times by the British. After independence, he served in various ministerial positions in the government of Jawaharlal Nehru. The Faculty members and students garlanded the photograph of Mahatma Gandhi. Mr. P. D. Jagtap, Lecturer (Electronics), co-ordinated for the arrangements.

4. Workshop on Capacity Building and Personality development Programme

The Training & Placement Cell, on 6th October, 2023, conducted a workshop on 'Capacity Building and Personality development Programme' for third year students of all branches. This workshop aimed at helping students to learn soft-skills and techniques that are required to gain a competitive edge during placement and job interviews. Mr. Abhijit Patade, Certified Master trainer in Soft Skills, Life skills and behavioural skills shared his expertise with the students. Approximately 210 students from all branches



attended the session. Mrs. S. A. Agarkar, Training & Placement Officer, coordinated the event with the support of Mr. V. D. Sangvikar, Lecturer (Chemistry), Mrs. R. M. Sathe, Lecturer (Medical Electronics), Mrs. A. S. Gadgikar, Lecturer (Computer), and Mrs. A. A. Gadve, Lecturer (DDGM).

5. Workshop on Sustainability development in Business Context

On 7th Oct.2023 Institute Training & Placement officer have organised an expert lecture on **Sustainability development in Business Context** for third year students of all branches.

Mr.Dhananjay Kulkarni, a Sustainable Development practitioner was the key speaker for programme. He discussed various strategies and activities that meet the needs of the business and its stakeholders while protecting, sustaining and enhancing the human and natural resources that will be needed in the future. Approximately 210 students from all branches were attended the session. Mrs. S. A. Agarkar, Training & Placement Officer, coordinated the event with the support of Mr. V. D. Sangvikar, Lecturer (Chemistry), Mrs. R. M. Sathe, Lecturer (Medical Electronics), Mrs. A. S. Gadgikar, Lecturer (Computer), and Mrs. A. A. Gadve, Lecturer (DDGM).



6. Amrit Kalash Rally

The Gymkhana took the initiative to commemorate the sacrifices of the National heroes for the welfare of the country. Under the campaign of Azadi ka Amrit Mahotsav with theme 'Meri Maati Mera Desh', the students, teaching and non-teaching faculty members collected soil from their respective homes and placed them in a pot participating actively in the Amrit Kalash

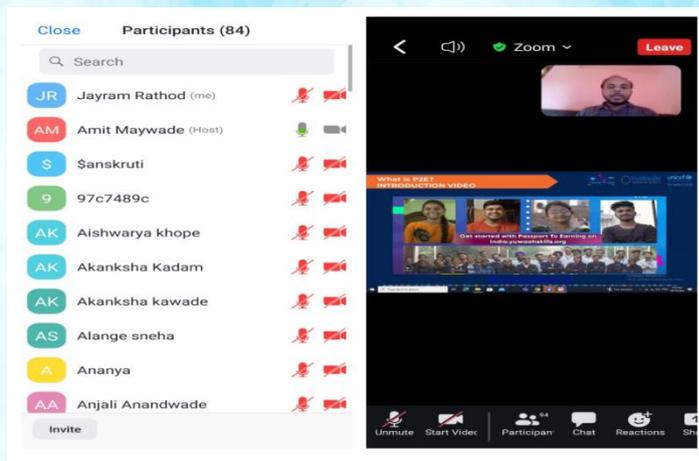


Yatra to pay a tribute to the Veers and Veeranganas who dedicated their lives for the nation on 10th October, 2023. Mrs. P. R. Aitwade, Gymkhana In-charge, explained in detail that this campaign has been initiated to honor the nation's heroes and establish unity in the country. Along with this, all students in the college were made aware of this campaign. Hon. Principal Dr. K. M. Bakwad, praised the initiative and encouraged the team. By participating in the 'Meri Mati Mera Desh' campaign, all the participants have taken an oath to fulfill the 'Five Resolves' or 'Panch Prana' for the next 25 years of Amrit Kaal. In this event all teaching, Non-

teaching staff and students of every department have taken a Panchprana Pledge. The Amrut Kalash Rally began with Lezim Pathak. Mrs P R Aitwade, HOD DDGM and Mrs. R V kotalkar, Lecturer Physics, the Gymkhana team co-ordinated for the smooth conduction of this event.



7. Online training on Passport to Earning (P2E) Skills



On 14th October, 2023 an online training was organised for second and third year students on Passport to Earning Skills by UNICEF. The UNICEF team proposes to implement P2E in ITI and Polytechnics of Maharashtra for upskilling youths with 21st century skills, through P2E initiatives. This training was mainly based on digital productivity, financial literacy and Employability Skills. Mr J C Rathod, Lecturer (Mechanical) took initiative to organise this training for students.

8. Dr. A. P. J. Abdul Kalam Jayanti



The institute celebrated Dr. A. P. J. Abdul Kalam Jayanti on 15th October, 2023, commemorating the birth anniversary of Dr APJ Abdul Kalam, a celebrated Aerospace scientist and former President of India. His involvement in Nuclear Power in India earned him the title "Missile Man of India". Due to his contribution, the government of India awarded him the highest civilian award. His birth anniversary is observed as World Students' Day. He was the President of India from 2002 to 2007. He was honored with several prestigious awards including India's highest civilian honour "Bharat Ratna" in 1997. Mr. P. D. Jagtap, Lecturer (Electronics), Mrs. A. A. Biradar, Lecturer (English) and Mr. Nagapure, Librarian, co-ordinated for the successful conduction of this event.

9. World Students' Day - Vachan Prerna Divas - Reading Inspiration Day

October 15 is celebrated as World Students' Day to commemorate the birth anniversary of Dr APJ Abdul Kalam, a celebrated Aerospace scientist and former President of India. The day is marked to acknowledge his efforts toward students and education. **Vachan Prerna Divas - Reading Inspiration day** was celebrated On 15th October 2023, to pay homage to our former president Dr. APJ Abdul Kalam who loved reading and writing. This day is observed so that children understand the importance of reading and are

encouraged to develop it as a hobby. Mr. P. D. Jagtap, Lecturer (Electronics), Mrs. A. A. Biradar, Lecturer (English) and Mr. Nagapure, Librarian, co-ordinated for the arrangements of this event.



Apart from his successful career as a scientist, President and academician, Dr Kalam was loved for his jovial personality. Brought up in a humble family, he wanted the world to remember him as a teacher.

Dr Kalam believed that students are the future and that the country can attain heights of success with their progressive minds. He laid emphasis on providing a vision for life for students and inculcating fundamental values which one must practice throughout their life.

In his honour, several activities were conducted in the institute.

🚩 Legends in Indian History Elocution Competition – Electronics & Communication Engg Department



An elocution competition was arranged in the Electronics & Communication Engineering Department on 16th October, 2023. 05 students presented the best of their skills highlighting the achievements of true legends in Indian history. The Winners are as follows –

1. Ms. Honrao Samiksha Gurunath – ET1K
2. Ms. Biradar Sakshi Shantiveer – ET3I

Mrs. S. H. Chincholkar, Lecturer (Electronics), co-ordinated for the arrangements of this event.

🚩 Discussion Forum – Computer Engg Department

A Discussion forum was conducted by computer department. Several students from first, second and third year participated actively. All staff and students attended forum. Students discussed various topics including:

1. Importance of reading in life
2. Dr APJ Abdul Kalam: The importance of determination and hard work & strive for success.

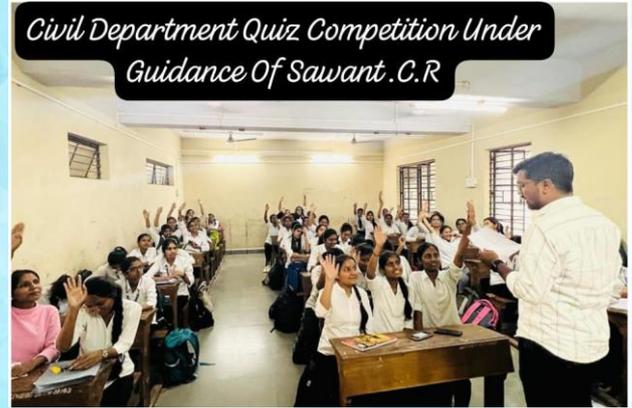


Quiz – Civil Engg Department

A Quiz competition was arranged by Civil Engg Department on 16th October, 2023. The Winners are as follows -

- 1 - Anjali Sanjay Shinde
- 2 - Nivedita Nilkanth Gobade
- 3 - Sakshi Hiranman Sangle
- 4 - Punam Sunil Abhange

Mr. C. R. Sawant, Visiting Lecturer (Civil), co-ordinated the event.



Legends in Indian History Books Reading – Medical Electronics Department



Books reading activity was organised by Medical Electronics Department on 16th October, 2023. The students read various books based on legendary characters in Indian history. Students discussed their achievements and were inspired to achieve more in life. Mrs. S. A. Hartalkar, HOD (MU) and Mrs. R. M. Sathe, Lecturer (MU) co-ordinated for the successful conduction of the event.

10. Health Camp



On 15th October, 2023, Health awareness camp was organised in the hostel premises. This camp was organised by Nima Women Forum, Latur. In this camp, headed by Dr. Sangital Mali – Jire, Nima Forum members guided the students about 'Female Hygiene and Health'. Students discussed various health issues and sought their solutions. Around 650 students participated in this camp. This camp was coordinated by Mrs. A A Gadhve, Lecturer DDGM, (Hostel Rector), Mrs. A S Gadgikar, Lecturer Computer (Assistant Rector) & Mrs M T Lahane ,Lab Assistant, Hostel Clerk.

11. Inauguration Of E - Suvidha Kendra

On 16th October ,2023, the E - Suvidha kendra was inaugurated at the hands of Hon. Principal, Dr. K. M. Bakwad. This initiative aims to cater the needs of students' study material printing, online forms filling etc. Students welcomed this initiative very happily. Mrs. A. N. Yadav, Lecturer DDGM, and Mr. P. M. Swami, Lab Assistant, have taken efforts for opening E - Suvidha kendra in Institute under the flagship of Hon. Principal, Dr. K. M. Bakwad.



12. Industrial Visit at Railway Station, Latur – ET Department



The Department of Electronics and communication engineering had organized industrial visit for third year students. 54 students of ET 5I along with faculty members Mrs. S.H. Chincholkar, Mrs. S. A. Agarkar, Mrs. V.S. Agarwal and Mr. P. M. Swami visited Railway Station, Latur on 13th October 2023. Students visited control room of railway station. Supervisor explained the working of different devices on control panel. He also explained the maintenance of equipment. Students got the information about working of PLC. They observed the switching of tracks using control panel.

13. Industrial Visit at Water purification plant ,Harangul – ET Department

The Department of Electronics and communication engineering had organized industrial visit for third year students. 54 students of ET 5I along with faculty members Mrs. S.H. Chincholkar, Mrs. S. A. Agarkar, Mrs. V.S. Agarwal and Mr. P. M. Swami visited Water purification plant ,Harangul on 13th October 2023. Students visited Municipal Corporation's water purification plant. This visit was mainly focussed on understanding the processes involved in water purification. Supervisor explained the process of water purification using chlorine, bleaching powder etc. Students observed different stages of water purification.



14. Industrial Visit at AFARM Latur – ET Department

The Department of Electronics and communication engineering had organized industrial visit for third year students. 54 students of ET 5I along with faculty members Mrs. S.H. Chincholkar, Mrs. S. A. Agarkar, Mrs. V.S. Agarwal and Mr. P. M. Swami visited AFARM, Latur on 13th October 2023. It works on different sustainable development goals. It has different sections like Integrated resource water management, Sustainable agriculture, Skill development and livelihood enhancements. It is specially known for the “vermi-compost” supplier for farmers. There are more than 1000 trees in AFARM. Students got the information about

bio diversity. Supervisor explained the process of creation of Vermi-compost. He also explained about process of making natural fertilizers.



15. Industrial Visit at Collector Office, Latur – CE Dept

The students of Third Year Civil Engg visited the Collector Office, Latur. Around 55 students were present. They explored various construction technologies used to construct the modern building of Collector Office, Latur. Mr. Chawale P. S. and Mr. Salunke A. R., Visiting Lecturer (Civil), co-ordinated for the conduction of this visit.



16. Traffic Volume Count - CE Dept

LOKMAT TIMES Anchor
Polytech students count traffic volume in Latur
 Students conduct traffic volume count on Barshi Road, in front of the collector office in Latur.

Objective is to understand traffic characteristics in terms of average daily traffic, traffic load

VINOD CHAVAN
 LATUR

To analyse the current road traffic data collection methods in terms of the capabilities and limitations of the road in Latur, second-year students of Government Residential Women Polytechnic College, Latur, pursuing diploma courses under the Department of Civil Engineering, carried out a one-day traffic volume count study at Barshi Road, in front of the Collector office, recently.

The development of transportation systems depends on the quality and quantity of road traffic data. A fixed team of students, divided into two groups, was placed along the road and collected traffic information such as vehicle speed or traffic flow at the entry and exit of the city within an hour between 11 am and noon.

More traffic on weekend

The students, during the one-hour survey, counted vehicles at entry including 977 motorcycles and two-wheelers, 206 three-wheelers, 252 four-wheelers, 100 heavy and loaded vehicles, and 77 other vehicles. At the exit, 1000 two-wheelers, 290 three-wheelers, 252 four-wheelers, 121 heavy trucks, and 29 other vehicles were noted down.

Collected traffic data through the survey can provide accurate real-time information over a large road network, which is needed to check the quality and development of roads. The objective behind this survey is to understand the traffic characteristics in terms of average daily traffic and traffic load on the road, said prof. Sudhir Salunke.

The survey was supervised by Naina Birajdar and Sudhir Salunke under the guidance of principal KM Bakwad and head of the department, Sagar Bhagare. The prominent students who took part in the survey were Ghadle Vaishnavi, Munde Sharvani, Gaikwad Vedika, Sawatar Mayuri, Poonam Kapshe, Zorule Vaishnavi, Shilove Shweta, Birajdar Shweta, Madake Urkasha, Kodam Rutuja, Hodade Ankita, Jadhav Ankita, Karad Divya, Panchal Sneha and Tore Yogita.

Chhatrapati Sambhajnagar Man
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The students of Third year Civil Engg conducted a traffic volume count in front of Collector Office, Barshi Road, Latur on 18th October, 2023. This activity was based on the objective to understand traffic characteristics in terms of average daily traffic, traffic load etc. This survey was carried out under the guidance of Ms. Naina Birajdar and Mr. A. R. Salunke, Visiting Lecturer (Civil) under the guidance of Mr. S. J. Bagare, HOD (CE).

17. Hostel Building Repair & Maintenance Estimate – CE Dept

The students of Third year Civil Engg prepared a hostel building repair and maintenance estimate on 13th October, 2023. This activity was carried out as a part of their project. The students repaired some parts of the hostel building under the guidance of Mr. Bhosale, Visiting Lecturer (Civil) and Mr. S. J. Bagare, HOD (CE). The Final year students prepared an estimate of classrooms, laboratories and the entire campus. This activity was conducted with the support of all visiting faculties in civil department, Mr. S. J. Bagare, HOD (CE) and Hon. Principal, Dr. K. M. Bakwad.



Measurement And Estimation Of College Building.



By All Civil 3rd Year Students Under The Guidance Of All Civil Staff



Civil 3rd Students preparing the report on maintenance and repair of hostel and college



18. Aayudh Pujan



The entire institute celebrated Ayudh Pujan, the dedicated ritual of worship of Universal Mother, the Almighty, the Supreme Power in the form of 'ayudhas', the peripherals, the accessories, the tools, the instruments, the machineries which make the human life better; without which human life becomes impossible and inefficient. Ayudha Pujan is the mode of expressing the gratitude towards the all-pervading power which helps human beings in every walk of life in various forms.

All the students shared the zeal, the joy, the warmth, togetherness and spirit of competition during this. They got charged during the event of Ayudha Pujan and the rejuvenation experience they get out of this remains as the indelible mark in the later part of their life.

The lab decorations provided a feast for our eyes with the creativity, the aesthetic sense, the warmth of affection and unity, the sense of belongingness and complete involvement. We could see the ideal culture of India assimilated with the fragrance of youthful dreams realized at every corner of the campus on the day of Ayudha Pujan. The enchanting greenery, the captivating combination of floral arrangements, charismatic beauty of rangoli, charming costumes of young girls, and the hearty warmth of their hospitality is definitely overwhelming.

Final Year DDGM students presented a spectacular view of Navdurgas, nine manifestations and forms of Durga in Hinduism, especially worshipped during Navaratri. The Devi Shakti, or the feminine spirit,



CO Dept





manifests itself in many forms. It encompasses and supplements qualities such as strength, transformation, anger, beauty, compassion, fear, and power. These qualities are reflected in each individual, in different events, and in this universe as a whole. Maa Shailputri – Highest peak of consciousness, Maa Bramhacharini – the Omnipresent, ultimate and all pervading, Maa Chandraghanta - taking everything together - whether harmonious or unpleasant, Maa Kushmanda – Abundance & fullness in life, Maa Skandamata – power of knowledge with righteous action, Maa Kathyayini - everything that cannot be seen or understood, Maa

Kaalatratri – knowledge and dispassion, Maa Maha Gauri - beautiful and resplendent, Maa Siddhidhatri - fulfillment and totality in every sphere of life.

Some students also presented the Durga Puja themed Bengali culture in the form of various saree draping styles and fabrics.

Mrs. A. A. Gadve and Mrs. A. N. Yadav, Lecturer DDGM took efforts for the successful conduction of this event under the guidance of Mrs. P. R. Aitwade, HOD DDGM.



19. Workshop on Screen Printing – DDGM Dept



The DDGM Department successfully conducted a one day workshop on Screen Printing for second year DDGM students on 09th October, 2023. Mr. Rushikesh Potdar shared his expertise with the students. Around 44 students were given a chance to explore this innovative technique which revolutionized the fashion industry. Mrs. A. A. Gadve, Lecturer DDGM took efforts to conduct this workshop under the guidance of Mrs. P. R. Aitwade, HOD DDGM.

20. Expert Lecture on Making Wonderful Career in Fashion – DDGM Dept

The DDGM Department successfully conducted an expert session on 'Making Wonderful Career in Fashion' for Final year students on 27th October, 2023. Ms. Gayatri Motipawale, acquainted the students with various opportunities available to DDGM students to excel in their careers as fashion designers. Around 74 students were given a chance interact with her to explore novel avenues in the field of fashion industry. Mrs. A. N. Yadav, Lecturer DDGM took efforts to conduct this workshop under the guidance of Mrs. P. R. Aitwade, HOD DDGM.



21. Maharshi Valmiki Jayanti



Mahrashi Valmiki Jayanti was celebrated on 28th October, 2023 in the institute. It is considered as Hindu religious festival that celebrates the birth anniversary of Valmiki-a famous Hindu poet known for authoring one of the most important epics of Hinduism, the Ramayana.

22. Sardar Vallabhbbhai Patel Jayanti - National Unity Day Celebration

The institute celebrated Sardar Vallabhbbhai Patel Jayanti on 31st October, 2023 commemorating the birth anniversary of India's first Deputy Prime Minister, Vallabhbbhai Jhaverbbhai Patel. He received the title of 'Sardar' which means 'chief' in Hindi, Persian, and Urdu. Patel became India's first Home Minister and Deputy Prime Minister after the country's independence in 1947. Patel was instrumental in the post-independence integration of over 500 princely states under the Indian Dominion. He earned the title of 'Iron Man of India,' due to his uncompromising commitment to national integration.



Since 2014, his birthday is marked as Rashtriya Ekta Divas (National Unity Day). All the faculty members took the oath for preserving the unity, integrity, and security of the nation and also strive hard to spread this message among fellow countrymen. Mr. P. D. Jagtap, Lecturer ET, made all the arrangements.

23. Indira Gandhi Death Anniversary

31st October, 2023 marks the 39th death anniversary of former Prime Minister Indira Gandhi who was assassinated on this day by two of her own bodyguards in 1984, just five months after a military action at the Golden Temple as part of Operation Blue Star. She was the only female prime minister of India. She served as the prime minister of India from January 1966 to March 1977 and again from January 1980 until her assassination in October 1984. Indira—popularly known as the "Iron Lady of India"—is credited for the nationalisation of banks and the abolition of privy purses of the royal families among others. The entire institute paid homage to this great lady on her death anniversary.





Awards & Honours



CONGRATULATIONS!

We are so proud of you!



Puranmal Lahoti Government Polytechnic, Latur under NSS, organised a District Level Elocution Competition celebrating 350th Shivrajyabhishek Din on 26th October, 2023. Ms. Varpe Shivani Kishor bagged the first prize while Ms. Suryawanshi Dipali Vikram bagged the third position.

In another Essay competition organised by Puranmal Lahoti Government Polytechnic, Latur under NSS, celebrating 350th Shivrajyabhishek Din on 10th October, 2023, Ms. Surwase Swapnali Somdev got the appreciation for participation in the event.

Hon. Principal, Dr. K. M. Bakwad, Mr. S. D. Rathod, HOD (CO), Mr. I. S. Awale, Sr. Lecturer (ET), Mrs. P. R. Aitwade, HOD (DDGM), Mr. J. C. Rathod, Lecturer (ME) and Mrs. R. V. Kotalkar, Lecturer (Physics) congratulated the students for their success!!!





Women at
#Work
#Inspiration



Mrs. Sudha Murthy

Chairperson Infosys Foundation
& Social Entrepreneur

**Sudha Murthy,
The First Woman to Receive 'The Global Indian
Award'**

Some women are born to inspire. Be it Mother Teresa, Sarojni Naidu or Kalpana Chawla, women have always been a source of motivation and a catalyst for social change. One such name is Sudha Murthy who has made a prominent impact on Indian society. A writer, philanthropist and entrepreneur, Sudha Murthy is greatly revered for being a prolific writer, facilitating the education of poor children and being one of the brains behind Infosys, one of India's leading IT company. Soberly dressed in traditional Indian attire, Sudha Murthy's philanthropic work has garnered global recognition. From becoming the first female Engineer in India to heading a company like Infosys, her seriousness towards making a change in society and her educational journey has played a significant role in her making. Let us now have a look at Sudha Murthy's education and her achievements.

Personal Life

On 19 August 1950, Sudha Murthy was born in a Brahmin family in Shiggaon, Karnataka. Her father Dr R.H. Kulkarni who was a surgeon and her mother Vimala Kulkarni supported her in her endeavours right from her childhood and raised young Sudha along with her three siblings. An educated atmosphere in the family instilled in her a passion to do something extraordinary at an early age. Sudha Murthy's brother Srinivas Kulkarni is a renowned astronomer who received the Dan David Prize in 2017. Her early life experiences and affinity for her grandmother became the foundation for some of her books.

Education

Sudha Murthy's education has a major role to play in shaping her as a successful author, even though her educational path was more technical in nature. Her hard work and commitment are clear from the fact that she emerged as a topper during her bachelor's and master's degrees.

Sudha Murthy completed her BE in Electrical Engineering from B.V.B College of Engineering, Hubli, where she won a gold medal for her exceptional academic performance. Later on, she considered the option for higher studies and went to pursue her ME in Computer Science in 1974 from the Indian Institute of Science, Bangalore and later received a gold medal from the then Karnataka chief minister for topping both the final exams.

Career

Sudha Murthy has always been an advocate of women's rights and a pioneer in the development of education. Once she wrote to Tata Motors, also known as Telco about their men-only policy, and for that, she was called to an interview, and later became the first female engineer to be employed in India. Her position at Telco was important in redefining the company's job policies.

Besides supporting her husband Narayana Murthy in establishing Infosys and giving him the initial investment, she has written a humongous volume of literature which includes books for kids as well. Through her books, she has encouraged the young and elderly to inculcate a habit of reading them. Sudha Murthy's education and relentless efforts at contributing to the improvement of society have made her a brand name. Through her Infosys Foundation, she has helped in spreading awareness about education, public hygiene, poverty alleviation, etc.

She is an active member of the Gates Foundation. Her efforts at revolutionizing the Education System of India have been phenomenal in the country where she supported the use of Computer Technology in educational institutions in Karnataka. She also established the Murty Classical Library of India (MCLI) at Harvard.

Achievements

Sudha Murthy's education and her work in various domains have led her to win many awards. She has received numerous awards for her academic excellence. In the year 2019, IIT Kanpur awarded her Honorary Doctor of Science (DSc) degree. Her achievements include a list of literary works in many languages. Initially, she started to write in Kannada and later wrote in English as well. They're all about family, marriage, social problems, etc. She has received several awards and distinctions for her achievements, including the R.K. Narayan Award for literature.

Sudha Murthy Infosys and Social Work

Sudha Murthy is also the chairperson and trustee of Infosys Foundation. With her master's in Electrical Engineering from the Indian Institute of Science, Bangalore, she started Infosys Foundation in 1996. She has built 2300 houses in flood-affected areas through the foundation. She also covers public hygiene, healthcare, education, art and culture and poverty alleviation. She has built 7000 libraries in schools and 16,000 toilets.

Awards and Accolades

In her long career, Sudha Murthy has learned a lot. Let's look at them one by one:

- ✚ India's fourth-highest civilian honour Padma Shri in 2006
- ✚ Gold medal from Indian Institute of Engineers, India
- ✚ Cash award for securing highest marks in SSLC
- ✚ Gold medal from Chief Minister of Karnataka Sri Devaraj Urs, for securing the highest marks in B.E in the state
- ✚ CS Desai Prize for standing first in University of Karnataka
- ✚ Best Teacher Award in 1995 by Rotary Club of Karnataka
- ✚ 'Ojaswini' award for excellent social work for the year 2000
- ✚ 'Millenium Mahila Shiromani' award
- ✚ R.K. Narayan's Award of Literature
- ✚ Honorary LLD for her contribution to promoting formal legal education and scholarship in India
- ✚ Life Time Achievement Award at the Crossword-Raymond Book Awards
- ✚ "Hemmeya-Kannadiga" award from television
- ✚ IIT Kanpur awarded her Honorary degree of Doctor of Science
- ✚ Lastly, in 2023, at the age of 73 years she became the first woman to receive The Global Indian Award, which is worth \$50,000.

Books

Some of Sudha Murthy's widely acclaimed books include The Mother I Never Knew, Three Thousand Stitches, The Man from the Egg and Magic of the Lost Temple. In 2018, she received the Lifetime Achievement Award and in 2019, she was conferred with the Padma Shri which is the highest civilian honour in India. With this compilation, here is a collection of 15 of the best Sudha Murty Books out of the many she's written.

✚ Kannada Books

- Kaveri inda Mekaangige
- Tumla
- Runa
- Yashasvi
- Nooniya Sahasagalu
- Dollar Sose
- Guttondu Heluve
- Guttondu Heluve
- Athirikthe
- Hakkiya Teradalli
- Paridhi

- Yerilitada Daariyalli
- Compuer lokadalli
- Sukhesini Mattu Itara Makkala Kathegalu
- Samanyralli Asamanyaru
- Astitva
- Mahashweta

✚ English Books

- The Mother I Never Knew
- Here, There, Everywhere
- Magic of the Lost Temple
- The Day I Stopped Drinking Milk
- The Upside Down King

- The Man from the Egg The magic of the lost temple
- The Bird with the Golden Wings
- How I Taught My Grandmother to Read and other stories
- Grandparents Bag of Stories
- Dollar Bahu
- Three Thousand Stitches
- The daughter from a wishing tree
- The Serpent's Revenge
- The Magic Drum and other favorite stories
- Grandma's Bag of Stories 1
- Gently Falls The Bakula
- House of Cards
- The Daughter From A Wishing Tree
- The Old Man And His God
- How The Sea Became Salty
- Wise and Otherwise
- Something Happened on the Way To Heavens

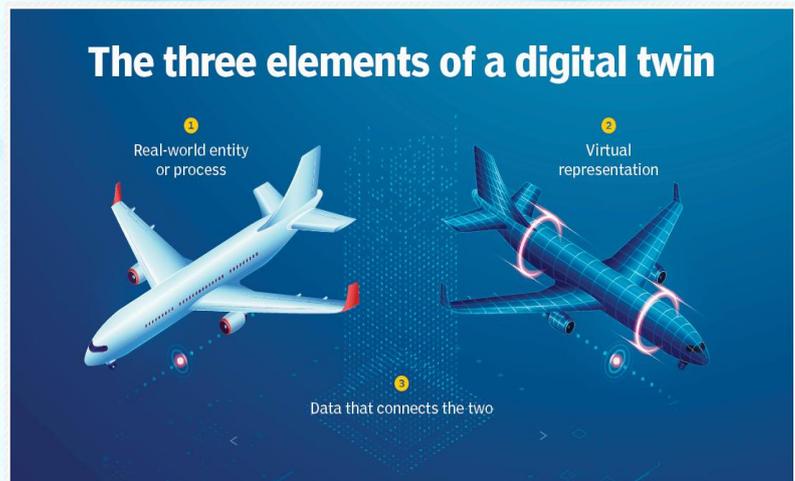


Digital Twin*Transforming how we make sense of data***The Digital Twin Concept**

Digital Twin Technology is one among the top 10 strategic technology trends. Digital Twin concept represents the convergence of the physical and the virtual world where every industrial product will get a dynamic digital representation. Throughout the product development life cycle, right from the design phase to the deployment phase, organizations can have a complete digital foot print of their products. These 'connected digital things' generate data in real time, and this helps businesses in better analyze and predict the problems in advance or give early warnings, prevent downtime, develop new opportunities and even plan better products for the future at lower costs by using simulations. All these will have a greater impact on delivering a better customer experience in business as well. Digital Twins, incorporates Big Data, Artificial Intelligence (AI), Machine Learning (ML) and Internet of Things are key in Industry 4.0 and are predominantly used in the Industrial Internet of Things, engineering, and manufacturing business space. The widespread reach and usage of the Internet of Things have made the Digital Twins more cost-effective and accessible for the business world.

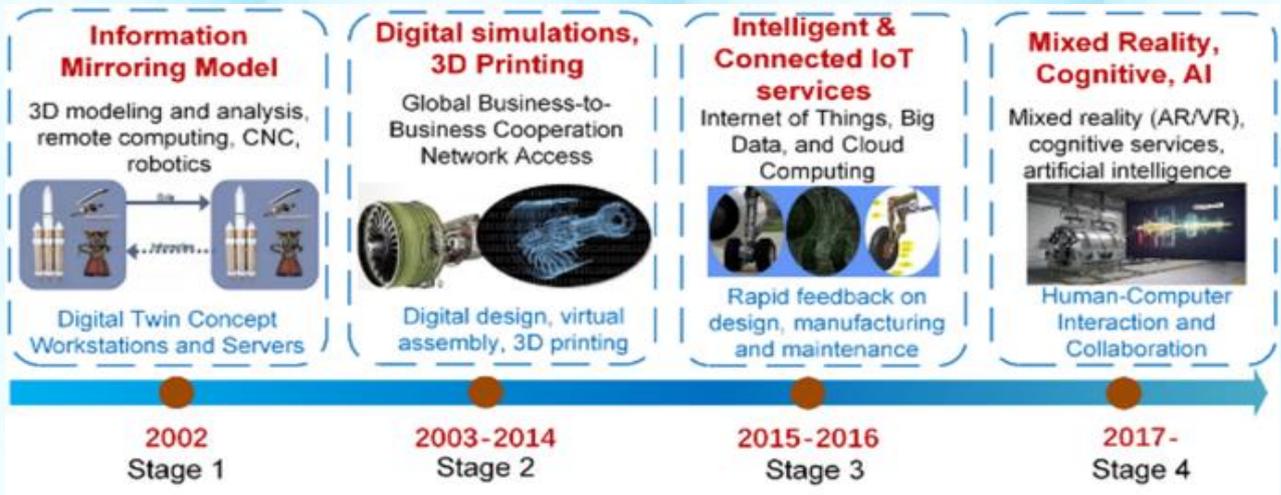
**How do Digital Twins work?**

Digital Twins, the virtual counterparts of the physical assets are created as digitalized duplicates of machines/equipment or physical sites using sensors. These digital assets can be created even before an asset is built physically. To create a digital twin of any physical asset, the engineers collect and synthesize data from various sources including physical data, manufacturing data, operational data and insights from analytics software. All this information along with AI algorithms is integrated into a physics-based virtual model and by applying Analytics into these models we get the relevant insights regarding the physical asset. The consistent flow of data helps in getting the best possible analysis and insights regarding the asset which helps in optimizing the business outcome. Thus the digital twin will act as a live model of the physical equipment.



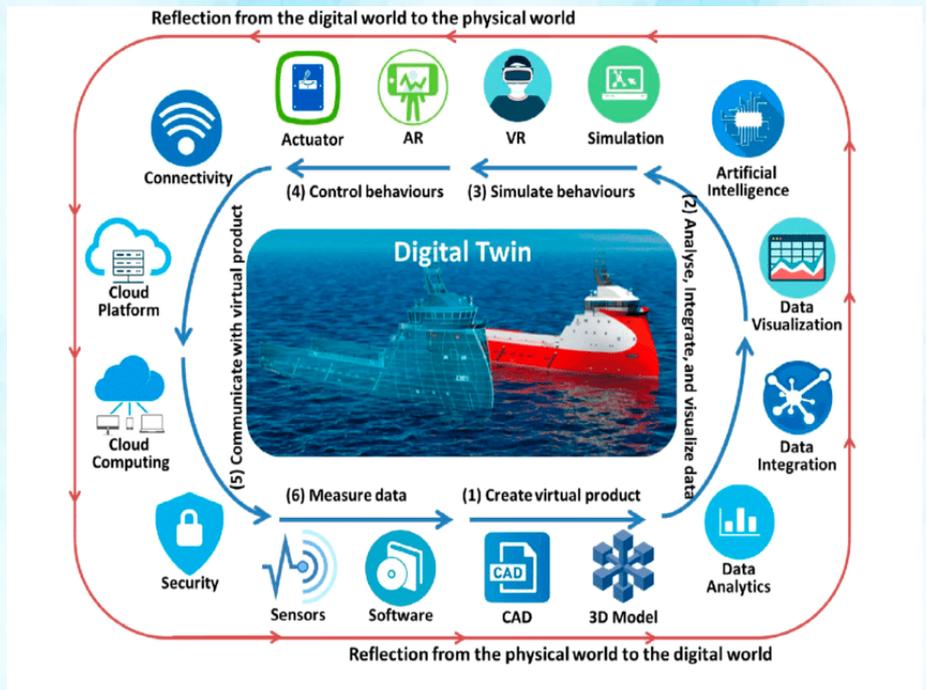
Applications of Digital Twins

Digital Twin concept is the next big thing in most of the business sectors, which helps in accurately predicting the current state and future of physical assets by analyzing their digital counter parts. By implementing Digital



Twins, organizations can gain better insights on product performance, improve customer service and make better operational and strategic decisions based on these insights. We have started seeing the major applications of Digital Twins in the following sectors.

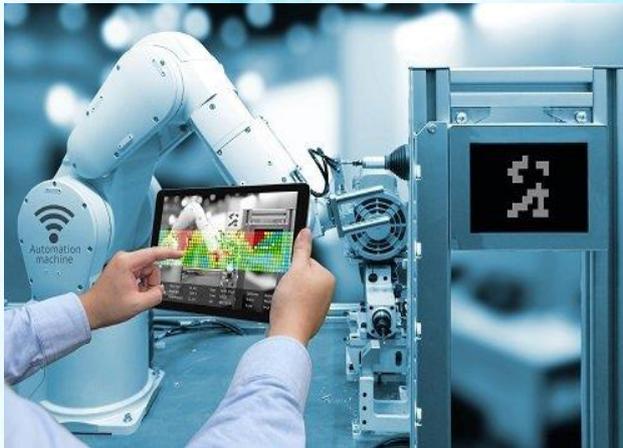
- Manufacturing:** Digital Twin is poised to change the current face of manufacturing sector. Digital Twins have a significant impact on the way products are designed, manufactured and maintained. It makes manufacturing more efficient and optimized while reducing the throughput times.



- Automobile:** Digital Twins can be used in the automobile sector for creating the virtual model of a connected vehicle. It captures the behavioral and operational data of the vehicle and helps in analyzing the overall vehicle performance as well as the connected features. It also helps in delivering a truly personalized/ customized service for the customers.
- Retail:** Appealing customer experience is key in the retail sector. Digital twin implementation can play a key role in augmenting the retail customer experience by creating virtual twins for customers and modeling fashions for them on it. Digital Twins also helps in better instore planning, security implementation and energy management in an optimized manner.

- **Healthcare:** Digital Twins along with data from IoT can play a key role in the health care sector from cost savings to patient monitoring, preventative maintenance and providing personalized health care.
- **Smart Cities:** The smart city planning and implementation with Digital Twins and IoT data helps enhancing economic development, efficient management of resources, reduction of ecological foot print and increase the overall quality of a citizen's life. The digital twin model can help city planners and policymakers in the smart city planning by gaining the insights from various sensor networks and intelligent systems. The data from the digital twins help them in arriving at informed decisions regarding the future as well.
- **Industrial IoT:** Industrial firms with digital twin implementation can now monitor, track and control industrial systems digitally. Apart from the operational data, the digital twins capture environmental data such as location, configuration, financial models etc. which helps in predicting the future operations and anomalies.

Digital twins in the industry 4.0



The fourth industrial revolution or Industry 4.0 which embraces automation, data exchange and manufacturing technologies is at the talking point of the business world. Digital Twins is at the core of this new industrial revolution bringing in unlimited possibilities. It changes the traditional approach of 'the first build and then tweak' in the industrial world and brings in a more virtual system based design process that brings in the much more efficient role out of any equipment or system by understanding its unique features, performance, and potential issues if any. With Digital Twin, an operator can get trained on a virtual machine without spending for a dedicated

trainer or simulator. With the further evolution of Machine Learning and Artificial Intelligence, the future is not too far for the machines to take the autonomy to the next level. In such an autonomous world of industrial machines, the role of Digital Twin will evolve and we can witness increasing self-awareness in the machines. Such machines will be capable of optimizing its performance, coordinating with other machines, doing self-diagnosis and self-repairing the faults if any, with minimal intervention from a manual operator. No doubt, there is an exciting future to get unfolded in the world of Manufacturing and Engineering and Digital Twins is a significant step to it. To unlock this huge potential, are you ready?

Digital twin challenges

It's one thing to gather extensive data, but it's quite another to consume it in an intelligent way. The best decisions are made using data, but your data is only as good as your ability to bring it to life to simulate and predict business scenarios.

Every enterprise going through a digital transformation risks drowning in raw data before finding a way to process and leverage it. Today, capturing raw data is less of a challenge than processing it, filtering the useless parts, combining it, and transforming it into information that makes sense to the user in the context of their application.

The main challenge is unlocking the power of information. Enterprise and IoT data has been buried in databases, spreadsheets, and models (CAD, BIM, GIS). Real-time 3D digital twins can bring that data to life.

Future of digital twin technology

New technologies are emerging that will enable high-fidelity digital twins, as well as connections to transformative manufacturing processes, from generative design to additive manufacturing. Digital twins, when combined with artificial intelligence capabilities, such as machine learning and deep learning algorithms, will derive new operational insights. Increased transparency and security will be made possible with blockchain as well. As digital twins become more prevalent across the industry, there is great potential in orchestrating digital twin networks and enabling communications between two distinct digital twins.



Dandiya celebration at girls hostel



Fresher's Party



