

Sakeshwar Gramin Vikas Seva Sanstha's



'विद्या राष्ट्रस्य प्रतिष्ठा'

ADSUL'S TECHNICAL CAMPUS



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MECHO INVENTION

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About Trust

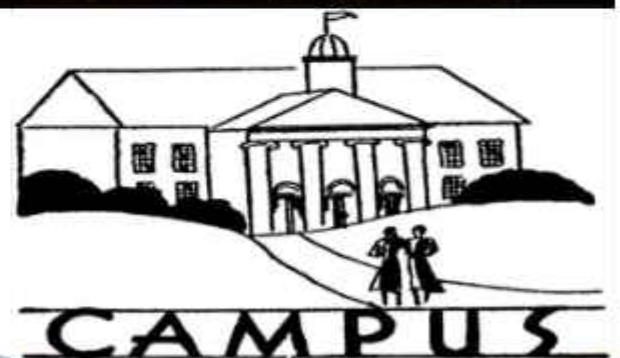
Sakeshwar Gramin Vikas Seva Sanstha established on 24th September 2004 to promote the noble cause of education. The founder member & president of this sanstha is Hon. Prof. Anirudha Manik Adsul Sir is well known personality all over Maharashtra in Education field. The work in the field of education which is started 25 year ago under the name of Adsul's classes for 11 and 12th Science students has today been transformed into Adsul's Technical campus (Engineering and MBA) College, and B.Ed. college under the Sakeshwar Gramin Vikas Seva Sanstha. Today 1500+ students from rural areas are studying in in the institute and thousands of pass out students are contributing to the progressive development of country.



About Adsul's Technical Campus (ATC)

Sakeshwar Gramin Vikas Seva Sanstha established on 24th September, 2004 by visionary educationist Prof. Anirudha Manik Adsul with the aim to develop competent, committed and compassionate leaders who will make a difference to the people among whom they work. Sanstha constantly scans the developments in business and in society and tries proactively to meet the challenges.

The founder president of the Sanstha is well known personality all over Maharashtra in the Education field. His work in the field of education started 25 years ago under the name of Adsul's Classes for 11th and 12th Science students has today been transformed into Adsul's Technical campus; Engineering, MBA, Polytechnic, Pharmacy, Arts, Commerce, Science, BBA, BCA, BMS and B. Ed colleges under the landmark of Savitribai Phule Pune University, Pune.

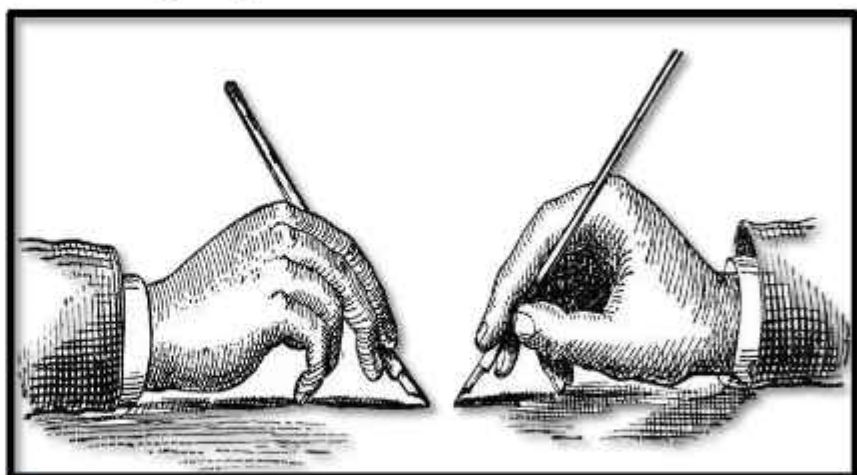


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What's Inside

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Principal's Desk

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Chairman's Desk



It is my pleasure to introduce one of the best technological Institutes of Maharashtra, Adsul's Group of Institutions, established in 2011. At present Adsul's Technical Campus Campus, Ahmednagar is offering undergraduate program (B.E) and Post graduate program (M.B.A). The institute has state-of-art laboratories, in each department.

Qualified and Experienced faculties are with us and they work together to access the newest trends in learning so as to impart quality education to our students. Our students gain skills that prepare them to assume leadership role in the engineering fields. Apart from academic activities co-curricular activities sports, adventure, cultural and social-service activities from important parts of life of the student.

This importance is well indicated in the spread of facilities at the Adsul's campus. All undergraduate, postgraduates students reside on the campus and thereby get full opportunity to participate in co-curricular and extra-curricular activities leading to a holistic personality development. With all the faculty members also residing on the campus, there is a unique, close and family – like relationship between students and teachers. I wish the Institute all the success.

Prof. Anirudha M. Adsul
Chairman
Sakeshwar Gramin Vikas Seva Sanstha

Principal's Desk



I welcome you all to the Adsul's Group of Institutions, established in 2011. At present Adsul's Technical Campus, Ahmednagar is offering undergraduate program (B.E) and Post graduate program (M.B.A). The institute has state-of-art laboratories, in each department.

We have blend of Discipline along with care and support to our students. We believe that everybody has good potential which can be blossom if proper nourishment and training is given.

Hence apart from normal teaching curriculum we arrange Industrial visit and encourage our students to do internship and field projects.

We do arrange lectures on soft skill, personality development, and interview techniques etc. which will not only enhance their personality but also imbibe human values in them. Authorities here are easily approachable which makes difference in sorting out your difficulties and making learning a joyful experience.

Dr. Pradeep. M. Patil
Principal

SGVSS Adsul's Technical Campus

HOD MESSAGE



It gives me immense pleasure to extend my greetings through this magazine, which serves as a vibrant platform to showcase the creativity, technical knowledge, and achievements of our students and faculty. Mechanical Engineering, often called the “mother of engineering,” continues to play a pivotal role in shaping industries and driving innovation across the globe.

At our department, we strive to blend strong fundamentals with modern advancements, ensuring our students are well-prepared for the challenges of the future. With dedicated faculty, state-of-the-art laboratories, and a culture of research and innovation, we nurture talent that contributes not only to academic excellence but also to societal progress.

I encourage our students to actively participate in projects, internships, and interdisciplinary activities, as these experiences build confidence and broaden perspectives. The magazine reflects this spirit of exploration and collaboration, highlighting the diverse accomplishments of our community.

Prof. Jaware A.R
HOD
Mechanical Department

Vision

“To be a premier department in Mechanical engineering to serve the needs of industry and society”.



Mission

M1: To provide state-of-the-art facilities to impart quality education.

M2: To undertake various value-added and add-on courses to make students technically sound and thorough professionals.

M3: To collaborate with the industries and strive to instill the research and problem-solving attitude amongst students and faculty.

M4: To inculcate high moral, ethical values, and spirit of national Pride amongst students and faculty.



Sr. No.	Faculty Name	Designation
1	Jaware A.R.	HOD
2	Dr. Patil N.Y.	Professor
3	Gadakh R.S.	Assistant Professor
4	Jagtap K.K.	Assistant Professor
5	Gunjal N.L.	Assistant Professor
6	Nagargoje U.S.	Assistant Professor
7	Gaikwad S.A.	Assistant Professor
8	Berad S.T.	Assistant Professor
9	Shinde S.V.	Assistant Professor
10	Athawale N.V.	Assistant Professor
11	Tayade D.R	Assistant Professor
12	Patil M.P	Assistant Professor





What is mechanical engineering?

Mechanical engineering is a branch of engineering that focuses on the design, analysis, manufacturing, and maintenance of mechanical systems. It combines principles of physics, mathematics, materials science, and engineering to create machines, tools, engines, and other devices. Mechanical engineers work on a wide range of projects, from small components like gears and bearings to large systems like power plants, vehicles, and industrial machinery.

Key areas in mechanical engineering include:

1. **Thermodynamics:** The study of energy transfer and its transformation between different forms.
2. **Mechanics:** The analysis of forces and their effects on materials and structures.
3. **Materials Science:** Understanding the properties and behavior of materials to choose the right ones for specific applications.
4. **Fluid Mechanics:** The study of fluids (liquids and gases) and their motion, which is crucial in systems like pumps and engines.
5. **Manufacturing and Production:** Involves the processes and technologies used to create mechanical components.
6. **Dynamics and Control:** Focuses on understanding motion and applying control systems to manage the behavior of mechanical systems.

Mechanical engineering is essential in various industries such as automotive, aerospace, energy, robotics, and manufacturing.

- Akolkar Rushikesh

3D Printing



3D printing, also known as additive manufacturing, has emerged as one of the most groundbreaking technologies of the 21st century. Initially seen as a niche technology for prototyping, 3D printing is now reshaping industries such as healthcare, education, manufacturing, and even art. As a student exploring this transformative technology, I've come to realize how it's not only changing the way we create things but also how we think about innovation, production, and design. Manufacturing, the backbone of modern civilization, has undergone revolutionary changes since the industrial age. From manual craftsmanship to automated assembly lines, advancements in technology have transformed manufacturing into a dynamic and innovative field. As engineering students, we delve into the evolution, current trends, and potential future of manufacturing, highlighting its role in shaping economies and societies. The versatility of 3D printing has led to its adoption across various fields. In healthcare, 3D printing is being used to create custom prosthetics, implants, and even 3D-printed organs for research purposes. For instance, doctors are able to print accurate models of a patient's organs before surgery, helping to plan for more successful outcomes.

In manufacturing, companies are using 3D printing to produce spare parts, reduce waste, and cut costs. By printing only the parts they need, manufacturers can avoid overproduction and maintain more efficient production cycles.

The field of education is also benefiting from 3D printing. Schools and universities are using 3D printers to teach students about design, engineering, and problem-solving. Students can create prototypes and models to bring their ideas to life, fostering creativity and innovation in the classroom.

- Akolkar Rushikesh

STAFF ACHIEVEMENTS

Prof. Jaware A.R.

- ✓ A paper on "Development of enhanced fire suppression & live surveillance robot: Lora Flame-Guard by Prof. Jaware A.R. A. published in international Research journal, IJARST, Vol. 4 Issue 4, May 2024.
- ✓ A paper on "The Tribological Properties of PTFE Composites Filled with Carbon Fiber, MOS, Bronze Reinforcement", by Prof. Jaware A.R. A. published in international Research journal, IJARST, Vol. 4 Issue 6th May 2024.
- ✓ A paper on "Development of Automatic Solar Tracking System", by Prof. Jaware A.R. A. published in international Research journal, IJARST, Vol. 4 Issue 4th May 2024.

Patent Certificate:-

- ✓ A Patent Published on "SMART VOICE ASSISTED LEARNING DEVICE FOR VISUALLY IMPAIRED" by Prof. Jaware A.R. A. Published in The Patent Office, Government of India, Serial No:- 173704, Design No:- 416022-001 on Date :- 06/05/2024.

Patent Certificate:-

- ✓ A Patent Published on "AI BASED SUNGLASSES FOR VISUAL IMPAIRED" by Prof. Jaware A.R. A. Published in The Patent Office, Government of India, Design No:- 6330071 on Date :- 11/12/2023.

Dr N.Y Patil

- ✓ A paper on "Modeling of Exhaust Emission (Vehicular/Industrial) for Assessing the Air Quality in Bhopal City Using Artificial Neural Network" by Dr. Patil N.Y published in Journal of Xidian University.
- ✓ A paper on "Knowledge Management Used To Sustain For Competitive Advantage" by Dr. Patil N.Y in Multidisciplinary Journal of Research in Engineering and Technology, Volume 2, Issue 4, Pg.706-715 in 2015.
- ✓ A paper on "Sustainability Issue And Linkages Between Knowledge Management And Productivity In Autoancillary Industries With Reference To Pimpri Chinchwad Industrial Area" by Dr. Patil N.Y in Journal Of Mechanical Engineering And Technology (JMET) Volume 1, Issue 1, July-December (2013), pp. 16-27 in 2013

Nagargoje U.S.

- ✓ Attended FDP on Geometric Dimensioning & Tolerances
- ✓ Attended FDP on Research Opportunities In Vibration Engineering-2023 Attended FDP on Recent Advancement In Material, Micro-Manufacturing and Characterization (Rammc-23).
- ✓ Attended FDP on Recent Advances And Challenges In Electric Vehicle.
- ✓ Attended FDP on Recent Advances In Mechanical Engineering (Rame-25).

Students Activity



**Poster Competition on the occasion on
Engineer's Day**

Quiz Competition



**Power Point presentation
Competition**

Sports Activity





Best Mechanical Engineer



In class we see him, calm and wise,
With gears and models before our eyes.
He shows us how machines can run,
Learning with him is always fun.
Equations hard, he makes them clear,
We say, "He's the best engineer!"
From engines loud to bridges tall,
He explains the secrets of them all.
We learn, we laugh, we understand,
With his support, we take a stand.
To us he's more than guide or peer,
He's the best mechanical engineer!

- Kapse Hrushikesh.

बेसहारा लोगोपर जुल्म का कहर था ढाया
खेतो-खालियारो में जैसे जहर था बिखरा।

बहु- बेटीयां भी जो थी उसकी अमानत,
जुल्म सहने कि सबको हो गयी थी
आदत।

कहते है, बुराई को मिटाने खुद
खुदा जमीं पर आता है,
रावण-कंस को मिटाने राम-कृष्ण का
अवतार होता है।

वैसे हि एक मौं ने उठाया बिडा इस
अन्याय के खिलाफ,
जिद्दी, निडर, तेजस्वी व्यक्तित्व का था
उनके संस्कारो में मिलाप।

जनम से पहले हि अपने बेटे में ये बीज
बोया,
जुल्म के खिलाफ आवाज उठाना उसको
सिखाया।

सुनेहरे हल से हुई शुरुवात
हिंदवी स्वराज्य की,
किला, प्रांत हासील करके लोगोको दी
गवाही सुरक्षा की।

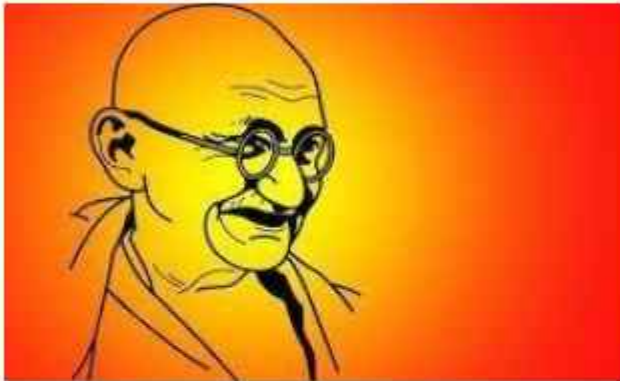
अफझल, निजाम, औरंगजेब, सिद्दी,
मोघल
सबको दिखाई मराठा कि ताकत,
सिवा के रूपमें उनपर
आ चुकी थी आफत।

बलिदान दिया मराठा सेना ने,
लोगोको जुल्म से मुक्त किया,
देस, धरम और स्त्री के सम्मान को ईश्वर
के समान माना।

खुद को मिटाकर स्वराज्य का
हसीन सपना दिखाया,
'छत्रपती शिवाजी महाराज' के रूप में
खुदा फिर जमीं पे आया..
खुदा फिर जमीं पे आया।

छ त्र प ती

- Lonkar Ajit



THE MAHATMA GANDHI ENGINEER

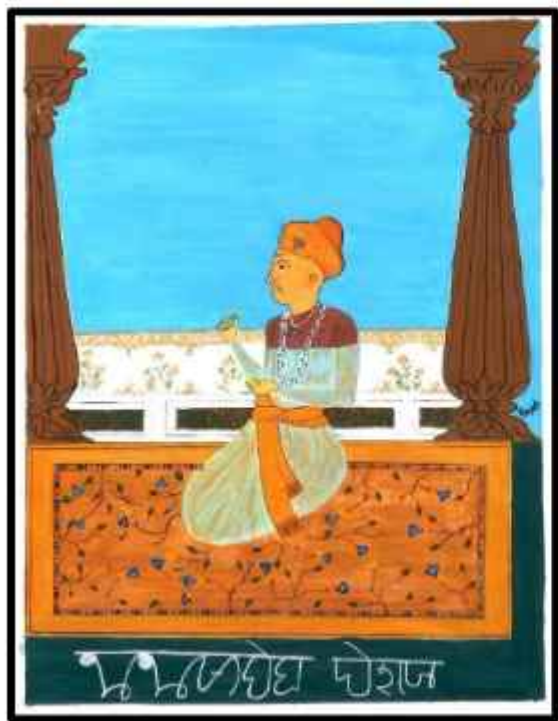
Mahatma Gandhi is famous for his involvement in the freedom movement as well as strong views about peace and nonviolence. In today's world engineers can also improvise by following and administering the philosophy of Gandhi. Mahatma Gandhi was a huge influence on the ethical values his followers possessed. Similarly engineers in today's world can inculcate the same sense of strong ethics as it is very useful for engineers to be honest and truthful about their work. The recent incident in Bihar of a huge bridge collapsing while it was still in construction destroying the efforts and money of the taxpayers in the process could have been prevented if ethical means were followed. Mahatma Gandhi was also an environmentalist and advocated for the safe keeping of environment and surrounding. Likewise engineers can also be wary of the consequences their innovations may bring to the nature. Engineers should see the act so they can minimise the negative effect on nature. Mahatma Gandhi were also adamant of communities being taken into account while the making of any big changes in the country. Engineers can also communicate with different communities to better understand their suffrage and take a better feel of what the true problem the people are facing or being challenged with. This people/community driven attitude can help engineers better design and develop the product so that it orients towards the people need. Engineers can also take the innovative nature of Mahatma Gandhi such as the incidents of Satyagraha and Bharat Chodo. This is an excellent lesson for out of the box thinking which can help us engineers in our solution based mindset Mahatma Gandhi's liking of peace and non violence is world renowned. Engineers can take after to this approach for the creation of safer and more peaceful ideas which can help in achieving peace. In today's age when it has become so war prone due to the destructive powers all have, engineers might be able to provide a solution leading to peace. The quality of adaptability was best known to Mahatma Gandhi. He had travelled across countries and faced numerous challenges and also choosing the hard path one would while adapting to all , for the benefit of people. Engineers can take after this attitude to be flexible and improvise on spot. This is a much needed quality in engineering as there is no telling when the preplanned route may have an obscure obstacle and we may have to reroute to whatever the most efficient and quicker way is as to benefit people. Clear communication was one of the most important reasons Mahatma Gandhi were able to resonate with people so soundly and amassed a great number of people with him in the independence movement.

- Ahire Sanjay

Aesthetica







Photography Club





COLLEGE CAMPUS



Campus



Traditional Events



"Navratri is the celebration of courage, devotion, and the eternal victory of good over evil"
Celebrating Navratri Festival.



"Ganpati Bappa Morya! May your life be filled with wisdom as sweet as modaks"
Celebrating Ganpati Festival.

Social Activity



Happiness is not so much in having as sharing....
We make a living by what we get, but we make a life by what we give.....
BALGHAR ORPHANGE VISIT

THE STRUGGLE GOES

All the struggle goes in vain
Towards the crowd, I try hard to run, yet,
All those efforts, washed away by rain
I'm all alone, all again
With all my thoughts, I wish to play
And all the things I've got to say
Left unheard by you, turn out meaningless
I've set my focus, I'm filled with power
Didn't know your own mind you've poised
I'm made to absorb melody, in all this
noise
I realize, I've got this huge battle to fight
I'm Brave enough, to feel them burn
I fill them with emotions and a Bright light
But you tear them off, 'n' they fade to
nothing in your eyes
Yet, I cling on to Hopes and positive rays
I realize, I've got long way to walk
But, you silence me when I play the rhythm
I paint my world with the words I write
Like a warrior, all the scars I earn
All the pain into Beauty I turn
I wish to speak out loud, in my own voice

- Adep Mayur