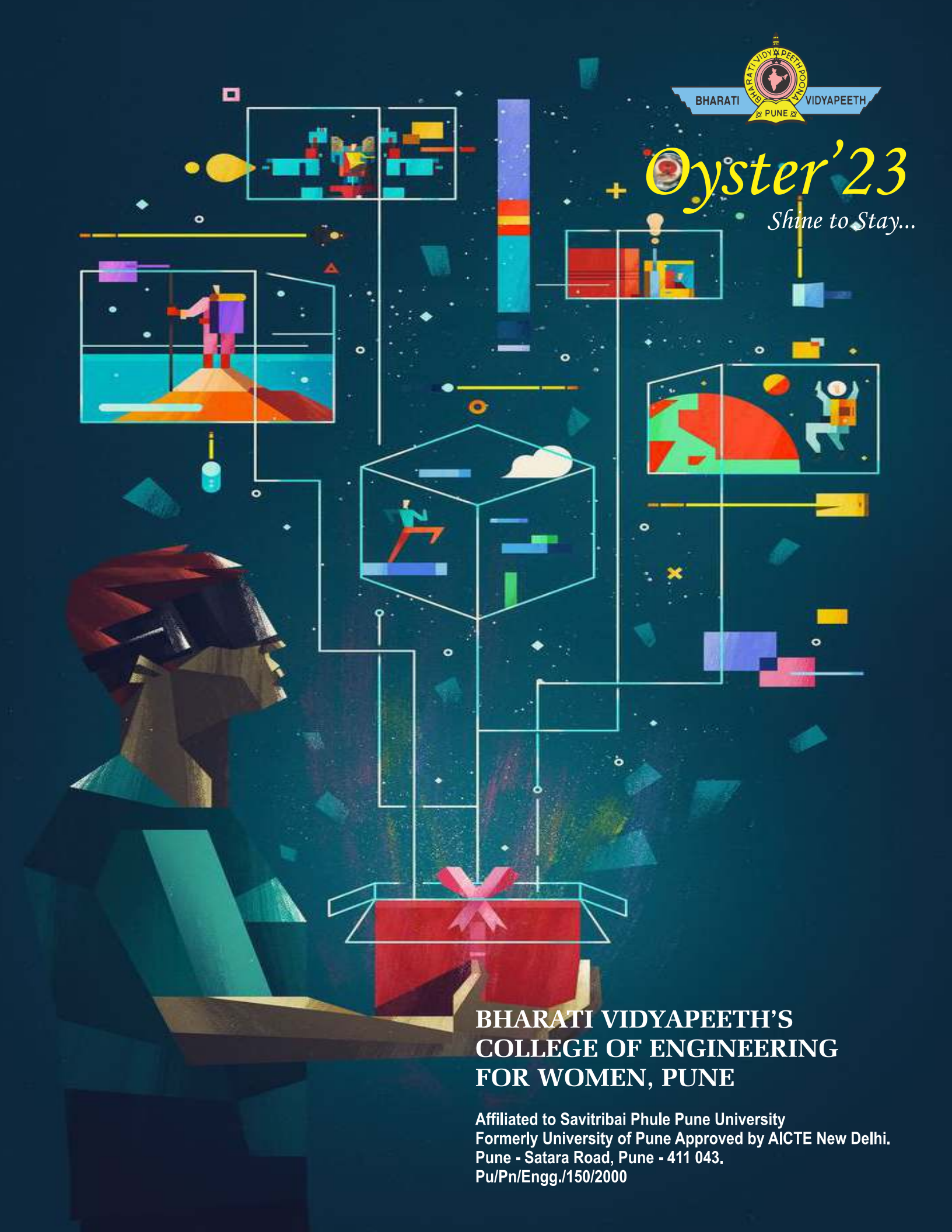


BHARATI VIDYAPEETH
PUNE

Oyster'23

Shine to Stay...

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING FOR WOMEN, PUNE

Affiliated to Savitribai Phule Pune University
Formerly University of Pune Approved by AICTE New Delhi.
Pune - Satara Road, Pune - 411 043.
Pu/Pn/Engg./150/2000

अभियंता

Theme Note

"ABHIYANTA - The Bridge Between Imagination And Innovation."

The theme " ABHIYANTA " for our college magazine represents the heart of engineering and innovation. It's about harnessing the power of imagination, creativity, and critical thinking to tackle the world's most pressing challenges. Being an "Abhiyanta" is a way of life that requires a lifelong commitment to learning, growing, and problem-solving.

"Logic will get you from A to B. Imagination will take you everywhere." - Albert Einstein.

The theme " ABHIYANTA " for our college magazine embodies the spirit of engineering and innovation. It's about celebrating the power of creativity, curiosity, and problem-solving to make the world a better place. As engineers, we are not just trained to design and build things; we are also empowered to think critically and to come up with new solutions to complex challenges.

Being an " ABHIYANTA " is more than just a job or a profession; it's a way of life. It's about being a lifelong learner, constantly seeking new knowledge and skills to improve our work and ourselves. It's about being a visionary, imagining new possibilities and taking bold steps to make them a reality. It's about being a problem solver, tackling the toughest issues facing society and finding innovative ways to overcome them.

The world needs more " ABHIYANTA " now more than ever. We live in a time of great challenges and opportunities, from climate change and energy scarcity to global health crises and technological disruption. As engineers, we have the skills, the knowledge, and the passion to help address these challenges and create a brighter future for all.

So, let's embrace the theme of " ABHIYANTA " in all that we do. Let's push the boundaries of what's possible, and let's inspire others to do the same. Let's use our creativity, our curiosity, and our problem-solving skills to make a positive impact on the world. Together, we can be the change we want to see in the world, one engineering innovation at a time.

The Editorial Board and Bharati Vidyapeeth's College of Engineering for Women, Pune as an Institute accept no responsibility for opinions expressed and statements made by individual authors. The editorial board may or may not agree with the matter printed inside.

In Appreciation
Principal
Prof. Dr. S.R. Patil

Theme Poem

स्वप्नांच्या धाग्यांतून वस्त्र विणणारा,
शून्यातून विश्व घडवणारा।
विचारांच्या गर्भातून नवे शोध ल्यायला,
ज्ञानाची मशाल उचलणारा।

कधी पूल बांधून दूर अंतर जोडतो,
कधी यंत्रांच्या मनाला नव्या वेगाने झोडतो।
प्रत्येक आकड्यांत, रेषांत लपलेला,
निसर्गाच्या नियमांत गुरफटलेला।

जिथे अशक्य तिथे त्याचा वास,
तिथे निर्माण होतो नव्या युगाचा प्रकाश।
स्वतःच्या बुद्धीच्या कलेवर विश्वास,
अभियंता असतो प्रेरणेचा प्रवास।

तंत्रज्ञानाच्या गाभाऱ्यात तो रमतो,
भविष्यातील जगाचा नकाशा काढतो।
त्याच्या श्रमांनी जग समृद्ध होते,
त्याच्या ज्ञानाने मानवता मोठी होते।

अभियंता एक स्वप्न साकार करणारा,
प्रगतीचा नवा अध्याय लिहिणारा।

"Our Inspiration”

Dr. Patangrao Kadam

Founder, Bharati Vidyapeeth, Pune
Chancellor, Bharati Vidyapeeth (Deemed to be University), Pune.

भारती विद्यापीठ गीत

सहकार्याचे सत्कार्याचे प्रतीक येथे आहे,
या देशाचे विद्याभूषण ज्ञानपीठ आहे,
भारती विद्यापीठ आहे.
सुजलाम् सुफलाम् मळे बहरले कीर्ती सुगंधाचे
उजाड माळावरी उजळले दीप संपदांचे,
संगमरवरी उभे शिल्प हे स्वप्न आभाळाचे,
ज्ञानदान अन् पुण्याईचे पावन मंदिर आहे,
भारती विद्यापीठ आहे.
वादळातुनी झेप घेतली ध्येय पतंगाने,
तूफानाशी झुंज घेतली कुणी आनंदाने,
यशवंताचे यशोगीत हे मूर्तिमंत गाणे,
निर्धाराची निश्चल निष्ठा त्याग मागते आहे,
भारती विद्यापीठ आहे.
सह्यगिरीची पर्वतराजी सभोवती सुंदर,
दीनदुबळ्यांची वाट वळावी असेच आपुले घर,
नंदनवन हे फुलामुलांचे सेवेला तत्पर,
मानवतेची निर्मळ गंगा इथे वाहते आहे,
भारती विद्यापीठ आहे.
छत्रपतींच्या, कर्मवीरांच्या कार्याची प्रेरणा,
आम्हास देई शक्ती फुल्यांच्या मनातील कल्पना,
सुमंगलाची, विज्ञानाची आम्ही करू प्रार्थना,
येणारा प्रत्येक क्षण हा अमुच्यासाठी आहे,
भारती विद्यापीठ आहे.

श्री. म. भा. चव्हाण

Hon. Dr. Vishwajeet Kadam

B.E. (Comp), M.B.A, Ph.D.

Secretary, Bharati Vidyapeeth, Pune.

Pro-vice Chancellor,

Bharati Vidyapeeth (Deemed to be University), Pune

From the **Secretary's Desk**

I am indeed happy to know that Bharati Vidyapeeth's College of Engineering for Women (Pune), is bringing out its annual number- OYSTER' 23 for this year. In my opinion, the activity of publishing a college periodical is an important academic activity in many respects. It provides a platform for the students to realise their literary and other creative potentials. It also becomes a historical document because it contains information about the achievements of the college, the faculty and the students in different spheres. I therefore, congratulate the Editorial Board of OYSTER for the initiative they have taken in publishing the annual note.

I learned that the main theme of this issue is "ABHIYANTA" meaning an Engineer. Engineers sure shaped the world as we know today, but more than that, they gave us a path to visualize the future and means to accomplish this vision. They gave us the promise of a better and comfortable future and will continue to do so. I am sure it would be a very interesting and informative document. I also hope that the stories in this issue will inspire our faculty members and students to undertake innovative activities.

I take this opportunity to offer my best wishes to the issue and the Principal, faculty members and students of the college.

Dr. Vishwajeet Kadam

"Social Transformation Through Dynamic Education"

Journey from Light of Hope To Illumination of Path

© bharatividyapeeth.edu

Prof. Dr. S. R. Patil

Ph. D. (EC & CSE)

I/C Principal

From the **Principal's Desk**

Dear Students,

I am delighted to extend my warmest greetings to all of you through the pages of our college magazine. This publication stands as a testament to the creativity, intellect, and dedication that thrives within our college community.

This year's magazine is a reflection of the remarkable journey we have undertaken together, celebrating our achievements, both big and small.

Abhiyanta, meaning an Engineer is the perfect theme for this year's magazine, celebrating the excellence and undeniable contribution of every engineer to this country's economy.

As it's title suggests, the magazine is the commemoration of being in the profession of development of the futuristic and advanced society.

I extend my heartfelt thanks to the editorial team, writers, artists, and everyone who has contributed to making this magazine a reality. Your hard work and creativity have brought our college's spirit to life within these pages.

With best wishes for your continued success and fulfillment in all your endeavors.

Warm regards,

Prof. Dr. S. R. Patil,
Principal,
BVCOEW, Pune.

Bharati Vidyapeeth's College Of Engineering For Women

"When you educate a man you educate an individual. But when you educate a woman, you educate a society. The woman who has stepped out is truly a woman of substance, a woman who is over again. has proved her potential over and

Keeping the above views in mind, Bharati Vidyapeeth started a women's engineering college in the year 2000. Indeed this college has truly excelled all boundaries to establish itself as a pioneer institute for women where the supremacy of technology empowers female students to pursue their passion and to realize their ambitions irrespective of their geographical scale.

The college is affiliated with Savitribai Phule Pune University (formerly known as Pune University). The college offers academic programs leading to the Bachelor of Engineering (B.E) degree and Post Graduate (P.G) degree. These programs have the approval of the All India Council of Technical Education (AICTE).

The prime objective of the academic institution is to provide skilled technical manpower to the industry. Also, academic institutions directly or indirectly, contribute towards the growth of the nation. One of the distinct features of this college is its well-developed laboratories. Another highlight of the college is its well-maintained library. The college provides the students with facilities such as a gymkhana, internet center etc.

Courses offered by the college are:

UNDERGRADUATE COURSES (B.E).

- Electronics and Telecommunication Engineering.
- Computer Engineering.
- Information Technology.

POSTGRADUATE COURSES (M.E)

- VLSI and Embedded Systems.

Prof. Pranali Yawle
Ph.D. (Pursuing)
Assistant Prof., E&TC Department

From the
Chief Coordinator's Desk

With the blessings of our visionary Founder, Dr. Patangrao Kadam Saheb, it is with immense pride and joy that I present the 13th edition of our annual college magazine, Oyster 23.

This magazine is more than a publication—it is a celebration of the creativity, dedication, and ingenuity of our students. It serves as a platform for them to explore their passions, showcase their talents, and push their boundaries amidst the rigors of engineering life. This year's edition comprises eight carefully curated sections, including engaging interviews with eminent personalities, offering readers a glimpse into their inspiring journeys.

The last few years have been transformative for all of us, testing our resilience and adaptability while bringing us closer to the values that truly matter. Inspired by these experiences, the theme for this year, 'ABHIYANTA,' embodies Evolution and Innovation. It reflects our collective journey of growth, discovery, and the pursuit of excellence.

This magazine is a labor of love, and it would not have been possible without the relentless efforts of our editorial board. My heartfelt gratitude goes to the faculty and student members whose commitment and creativity have made this edition a reality. I would like to extend a special thanks to the student editorial team, under the exceptional leadership of Editor-in-Chief Sakshi Shirke, for their tireless enthusiasm and dedication in bringing this vision to life.

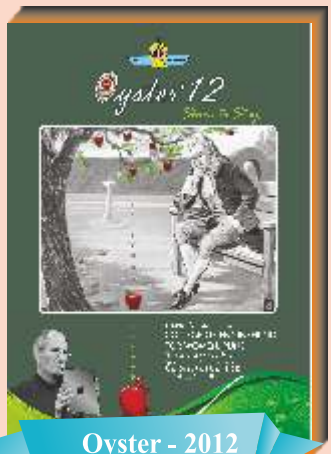
I am also profoundly thankful to Bharati Management for their unwavering support and to our esteemed Principal, Prof. Dr. S.R. Patil, for his invaluable guidance and encouragement throughout this journey. As you turn these pages, I hope you feel the passion, effort, and spirit that went into creating Oyster 23. Here's to celebrating innovation, creativity, and the ever-evolving spirit of engineering! Happy reading!

Pranali Yawle

Prof. Pranali Yawle

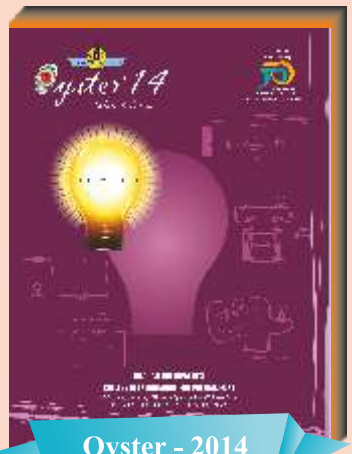
EXCELLENCE OF OYSTER THROUGH THE YEARS

Oyster - 2011



Oyster - 2012

Oyster - 2013



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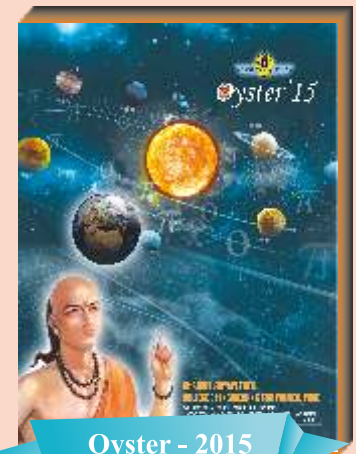
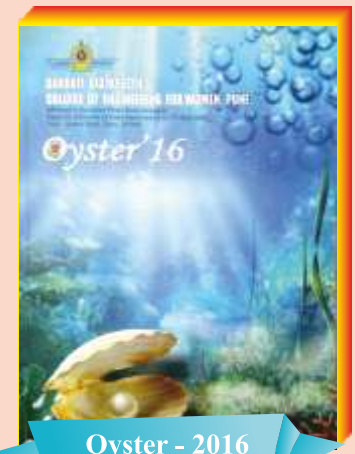
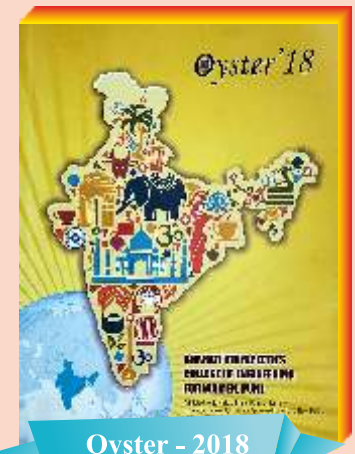


Oyster - 2015

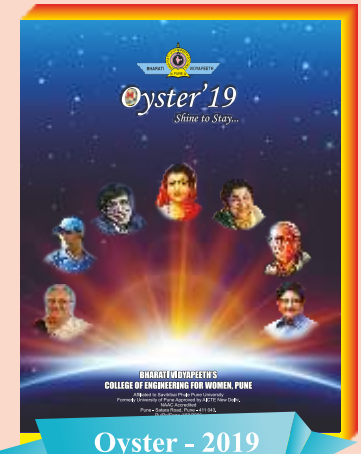


Oyster - 2016

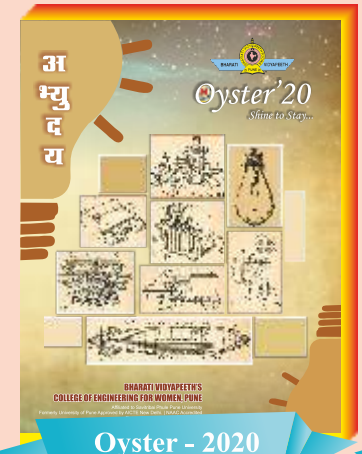
Oyster - 2017



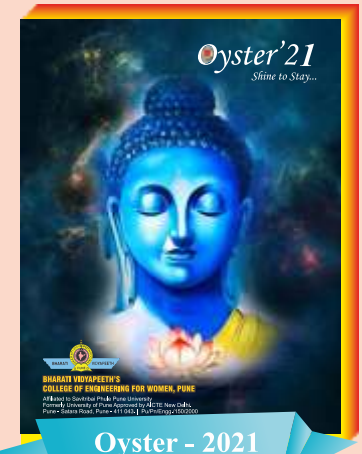
Oyster - 2018



Oyster - 2019



Oyster - 2020



Oyster - 2021

Oyster - 2022

Prof. Kalyani Chaudhari
Ph.D. (Pursuing)
Assistant Prof., E&TC Department

From the
Co-ordinator's Desk

It is with great pride and joy that we unveil the 13th edition of our annual college magazine, Oyster 23. Rooted in the vision of our Founder, Dr. Patangrao Kadam Saheb, this publication represents the vibrant spirit and boundless creativity of our college community. Each edition stands as a testament to the passion and innovation of our students, who strive to excel beyond academics and make a mark in various fields.

This year's edition features eight engaging sections, including thought-provoking interviews with accomplished personalities, offering invaluable insights from their inspiring journeys.

The past few years have tested us in unexpected ways, teaching us the value of resilience, adaptability, and inner strength. These experiences have shaped this year's theme, 'ABHIYANTA,' which embodies Evolution and Innovation—a tribute to growth, transformation, and forward-thinking.

The journey of creating this magazine has been a collaborative effort, and I am deeply thankful to the editorial team—faculty and students—who have poured their creativity and hard work into every page. I would like to extend a special acknowledgment to Editor-in-Chief Sakshi Shirke for her outstanding leadership and passion in curating this edition. I am equally grateful to our institution's leadership for their constant encouragement and to our respected Principal, Prof. Dr. S.R. Patil, for his invaluable guidance and support throughout this endeavor.

As you explore Oyster 23, may it spark inspiration, ignite curiosity, and celebrate the boundless potential of engineering minds.

Happy reading, and let's continue to innovate and evolve!

Prof. Kalyani Chaudhari

From the Editor in Chief

Sakshi Shirke
BE (ENTC-2)

Welcome to Oyster 20223!

“Just as a painter creates art with a brush, an ABHIYANTA crafts brilliance with their mind."

Now, as we circulate forward, we gift to you our next captivating subject, "ABHIYANTA" - a celebration of ingenuity and innovation. Just as a skilled sailor is honed by navigating hard seas, this subject reminds us that demanding situations and barriers are opportunities for boom and brilliance.

As we dive into the boundless ocean of ABHIYANTA, may additionally our collective creativity steer us toward new frontiers of human achievement. Together, allow's chart a route to innovation, embracing change with tenacity and curiosity, and uncovering the wonders that lie just past the horizon.

ABHIYANTA urges us to embrace creativity, push obstacles, and unlock the infinite ability within ourselves. Through this topic, we're going to share idea-upsetting articles, awe-inspiring visuals, and inspiring tales of individuals who've dared to dream and flip their thoughts into reality.

We amplify our heartfelt gratitude to all the contributors who've committed their time and capabilities to make this edition a fulfillment. Together, permit's embark on this exhilarating adventure of discovery and notion, as we delve into the world of ABHIYANTA.

I make bigger my heartfelt gratitude to the entire university family who contributed their time and treasured creations for this edition. I need to take a moment to explicit my sincere way to our reputable predominant, Prof Dr. S. R. Patil, for entrusting me with the duty to guide our Magazine. Additionally, I would really like to thank Prof Y.R. Dhumal and Prof PR. Yawle, our Chief Coordinators, for their unwavering aid and guidance in the course of this remarkable adventure. Together, we've created something definitely unique, and I am immensely grateful for the opportunity to work alongside such dedicated and provoking individuals. Thank you for considering making this endeavor a fulfillment!

In this trouble, we present a treasure trove of creativity and willpower from our gifted team of editors, co-editors, writers, photographers, and volunteers. Their unwavering dedication has ended in a wide range of content material, delving deep into the theme of ABHIYANTA from more than one view across 9 captivating sections. As you immerse yourself in those pages, we are confident that you'll find out something that resonates with your soul. So, make yourself snug, and allow this series to guide you on a voyage of profound exploration and inspiration with ABHIYANTA.

Thank you for joining us on this journey, and we are hoping you find a thought that resonates deeply within you.

Wishing you a top-notch studying revel,

From the Student Co- Editor

Hrucha Gohad
BE I -E & TC

This magazine marks the conclusion for excitement for the year. Working for the magazine has helped us explore all those talents which are not given much priority in our busy schedule and huge study load.

"Engineering is the closest thing to magic that exists in the world." - Elon Musk.

The reason for choosing “ABHIYANTA” as this year’s theme is to depict us about Engineering. Engineers, as practitioners of engineering.

I have been a part of the magazine committee since my second year. But working as the Co-editor was so much different. There was different responsibility and different experience. But together all of us did it and it was quite enjoyable. I learnt a lot of things, most importantly I learnt to strike a balance between academics and curricular activities.

Lastly, I take this chance to thank our Principal Respected Prof.Dr.S.R.Patil, Prof.Y.R.Dhumal, Prof.P.R.Yawale and the whole magazine team both Staff-Student members. Thanks for being so outstanding, understanding and caring. You proved that learning can be joyous and a pleasant experience. Thanks for everything!

From the Student Co- Editor

Rewa Parashar
BE- IT

A hearty welcome to the college's very own magazine "Abhiyanta," where we delve deep into the heart of innovation, creativity, and problem-solving—the very essence of an engineer's world. With this issue, we proudly present a panoramic view of the multifaceted world of engineering, showcasing the brilliance, dedication, and transformative power of engineers across the spectrum.

In this era of rapid technological advancements, engineers are the architects of change. They bridge the gap between dreams and reality, transforming abstract concepts into tangible solutions that shape our lives. The theme of this edition—"Engineer"—was chosen to celebrate the remarkable journey of those who dare to imagine, design, and build.

As co-editor, I would like to express my gratitude to the entire editorial team for their unwavering commitment and passion in curating this enriching issue. I hope that "Abhiyanta" continues to be a source of inspiration, knowledge, and connection for all our readers, whether you're an aspiring engineer or simply someone intrigued by the wonders of innovation.

I would also like to thank (maam) for her efforts and constant support and inspiration. Abhiyanta wouldn't have been possible without you!

Here's to the engineers of today and tomorrow!

Happy reading!

From the Student Co- Editor

Shruti Singh
BE-II E&TC

Dear Readers,

I am thrilled to welcome you to the latest edition of our college magazine, as I proudly assume the role of co-editor. As an engineering student myself, the theme of this edition, Abhiyanta,' strikes a chord deep within me. Throughout my academic journey, I have witnessed the incredible potential that engineering holds, and it goes beyond textbooks and equations. It's a mindset, a way of thinking that empowers us to tackle complex problems and create meaningful solutions. In the pages that follow, I am excited to share the stories of fellow students and faculty members who have embraced this spirit, leaving their mark on the world.

The process of putting this magazine together has been an exhilarating experience. I have had the privilege of working with a team of talented individuals who share the same passion for engineering and storytelling. We aimed to showcase the diversity and innovation within our college community, celebrating not just the end results but also the relentless effort behind every project.

As you flip through these pages, I hope you find inspiration in the remarkable achievements of our engineering community. Let these stories fuel your own curiosity and ambitions, as we collectively shape the future with our knowledge and expertise.

Thank you for being a part of this journey, and I sincerely hope you enjoy reading this magazine as much as we enjoyed creating it.

With warmth and excitement,

Staff Committee

Student Committee

Making of Oyster

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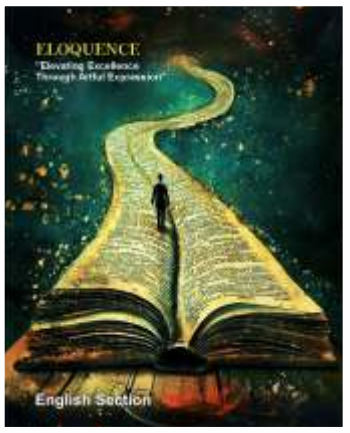

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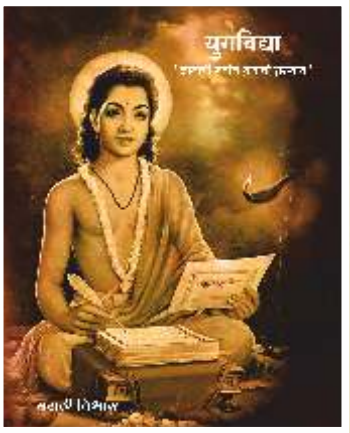

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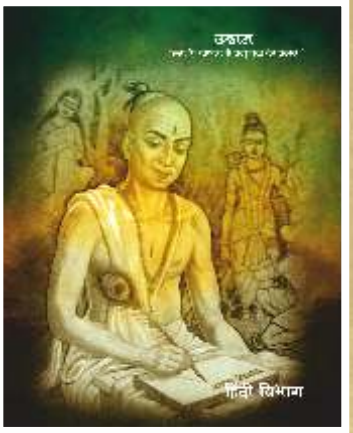
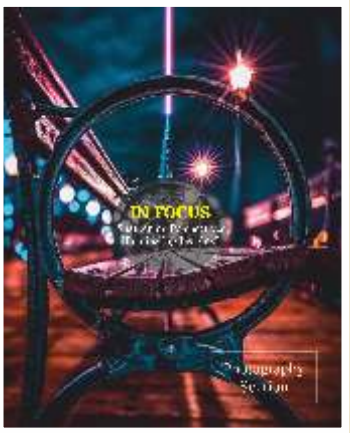


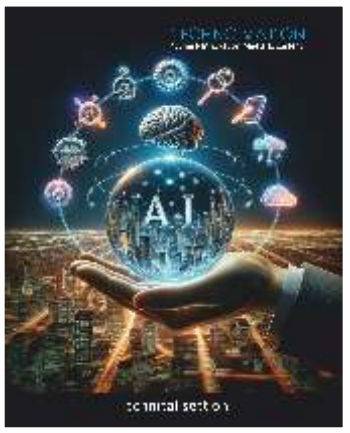
Hindi Section

Drawing Section



Photography Section

Miscellaneous Section



Technical Section

Youngistaan Section

Report Section

Vivek (The Pune Plogger)

1. When did I start this cleaning journey and why?

When I shifted to Pune for Higher studies, I joined MIT Academy of Engineering, Alandi in 2014.

The river Indrayani was a place where I went for a daily walk with my friends in the evening.

We observed people who carelessly dumped a lot of trash and plastic in the river body as well as surrounding areas.

Me and my friends initially blamed the local body and government for all these actions. But I personally felt it was the moral duty of citizens including me to follow cleanliness norms and keep the city clean.

I appealed to my friends to join me in cleaning river Indrayani who initially were quite resistant, many of them ridiculed but I took up this Challenge and started the cleanup Journey.

A few friends started supporting me and we adopted River Indrayani for a mega Cleanup Mission.

The efforts lasted for 4 continuous years on a routine basis and we saw a behavioral change in the visitors after a span who minimized littering at the Indrayani Ghat near Alandi temple.

After my college days, we stopped the campaign and took up the charge to not only clean rivers but all the public spaces in the city.

2. Do you pick up trash daily? How do you manage your time with your work schedule?

Yes, I have been picking up trash while I go For Early Morning walks/Jogging every day. I have integrated cleanup with my workout routine which has now made this a multi-tasking routine for me.

Starting my day early morning at 5-6 am daily has helped me manage my work schedule. I do the morning walk for around 45 minutes covering 3 kms stretch daily. That has helped me stay fit and healthy while contributing to the Clean City Mission.

My friends, colleagues, and family have been supportive which keeps me motivated and helps in balance my social and personal life as well.

3. What are the reactions of people?

Right from calling me a Kabadiwala, Kachrawala, or Rag Picker I have created an identity now where people call me a Plogger.

To clear the social taboo and stigma around picking up trash, I tried to involve people from different professional backgrounds when I launched a community of Ploggers - Pune Ploggers.

Transforming the way we pick up trash and the

Gamification of the Swachh Bharat Mission, I was able to attract more than 10,000 Ploggers across India and now people have started identifying us as Eco-Fitness Warriors.

Cleaning the city isn't only a responsibility of the government, citizen participation will actually drive the mission of Sustainability.

4. What happens to the trash you collect?

More than 10,000 tonnes of waste has been collected through different campaigns I have been working on for last 10 years. Most of the waste collected from river bodies is sent for segregation.

Recyclable waste is segregated and sent for recycling by giving up the trash to local Kabadiwala as a source of income for them.

That's how we were able to involve them in the community as well.

We make Eco-Bricks out of non-recyclable plastic waste.

Cigarette Butts are being recycled as well.

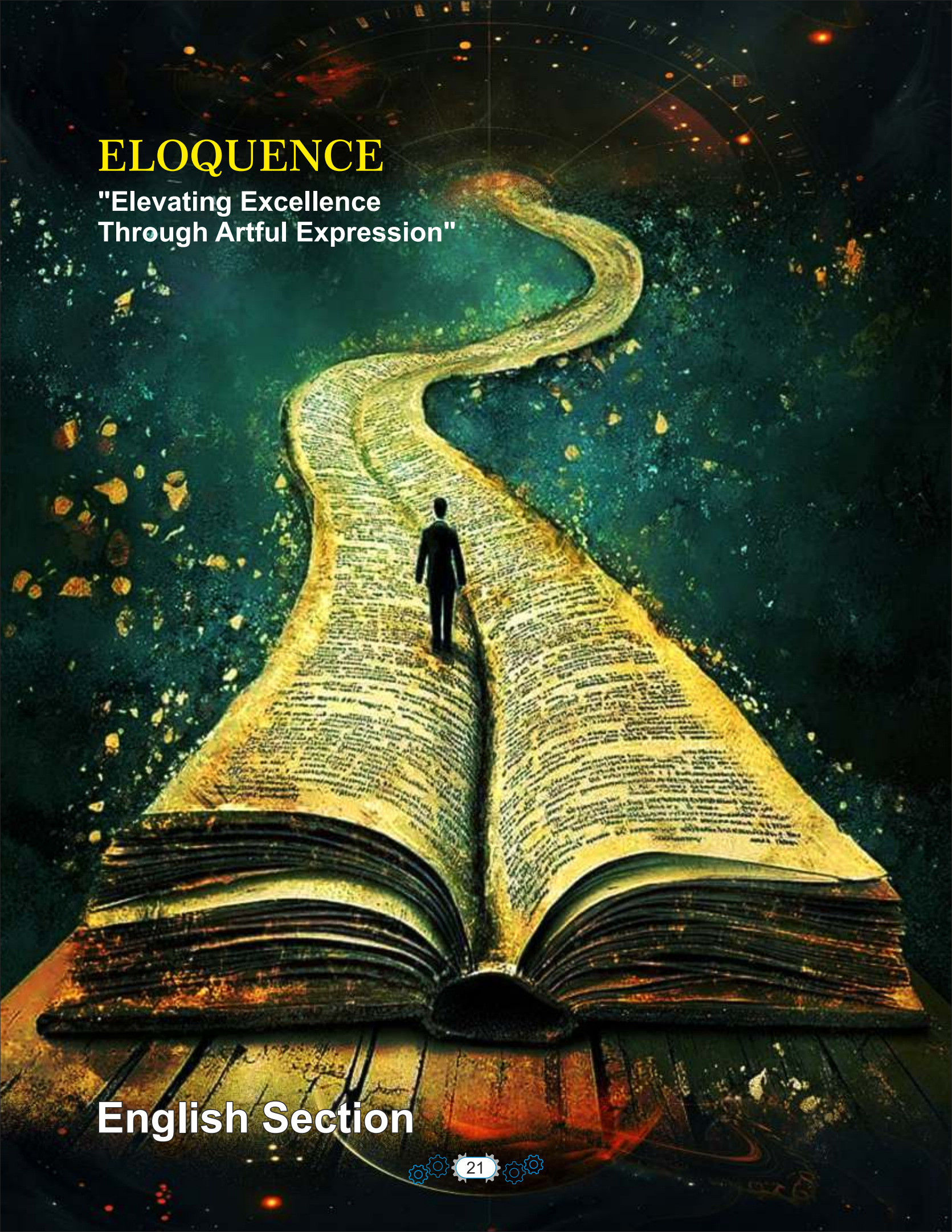
Glass Bottles are upcycled by a team of rural women who get some extra income by selling them.

5. What's the future vision?

Addressing the mindset of Citizens, promoting zero-littering habits, raising awareness through schools and colleges, talking to local communities, and making them a part of this mission will drive the true purpose of why I started this cause.

I have been promoting the Zero-Waste lifestyle. I have been talking about how Climate Change is impacting all of us and the role of youth-led action can be the ultimate Climate Action.

Litter Pickers In India Deserve More Respect, Says Pune Ploggers' Vivek Gurav



ELOQUENCE

"Elevating Excellence
Through Artful Expression"

English Section

From the Editor's Desk

Science is about knowing; Engineering is about doing. As we continue to face unprecedented challenges in our world, our role as engineers in shaping our future has become more crucial than ever before. As problem solvers, innovators, and creators, we have the power to shape the world in profound ways. As engineers, it is important to recognize the responsibility that comes with our work. The technologies we develop can have both positive and negative consequences. It is up to us to ensure that we are designing and implementing solutions that are safe, ethical, and sustainable.

It is our ingenuity and dedication that has brought us to where we are today, and it is our ingenuity and dedication that will continue to propel us forward. But with this power comes great responsibility. We must strive to use our knowledge and skills for the greater good, to promote sustainability, equity, and inclusivity in all our work. We must never forget that every decision we make has a ripple effect on the world around us. So, let us continue to push boundaries, to embrace challenges, and to never stop learning. Let us be inspired by our own potential and use our skills to create a better world for generations to come. With this, I also want to share what engineering has taught me!!

I never believed in luck, but engineering made me,

I never believed in shocking miracles, but engineering showed it to me,

I never believed results could be so eccentric, but engineering showed me,

I never believed that I could laugh at my professor, who made me cry, but engineering made it possible,

I never believed I could write 38 pages in 3hrs, but engineering did it to me,

I never believed friends could be so handy in helping out writing exams but engineering proved it,

I never believed "I could cry without tears", but engineering again showed it to me.

Enjoy one of the most difficult courses offered in the world, Enjoy the thrill,

Enjoy the impossibilities.

VAIDEHI PATIL

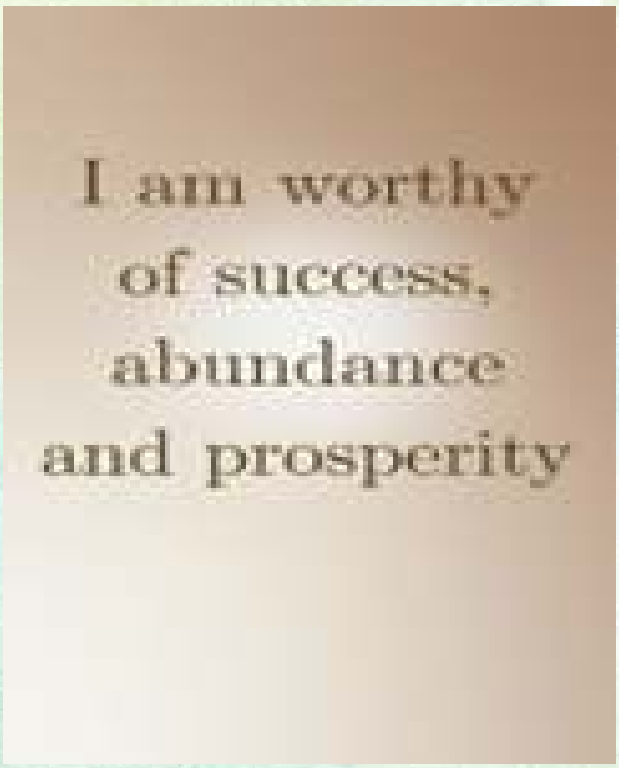
BE II- E&TC

Left to Right: Prof. Dr. S. M. Rajbhoj and Prof. Dr. N. A. Mulla.

Left to right - Vaidehi Patil, Kinjal Shah, Zainab Shaikh, Vedika Shinde
Vanshika Thote, Pranavi Moon, Shreya Pandharipand

The Lucky Girl Syndromes

There is already a lot of debate around this topic, but for those who don't know what lucky girl syndrome is, let me introduce you to it. So basically, lucky girl syndrome is a technique where we manifest desired results by focusing on positive things, positive affirmations, and luck. Let me explain it to you with the help of an example. Suppose there are two girls, let's say your classmates Riya and Priya. Riya is a very conservative person. When life goes sideways, she always blames it on others or external factors. Riya always wanted to be a good engineer, just like you and me, she was very smart and talented, but with a scarcity mindset where she used to talk negatively about herself and always put herself down. She was never kind to herself; her self-talk was "Nothing good happens to me." "What if I am not able to do things?" "What is it that people will start talking about me?" "Oh my god, I am going to fail." "I am such a loser." "I cannot do anything." "I am not beautiful." "I am not enough." "I am not capable enough," "I have nothing to offer the world," "I am not worthy of anything," and so on. whereas Priya, who was just an average student who works so much so that she can barely touch Riya's potential, has a growth mindset and is kind and nurturing to herself, and whenever she had self-talk, it was something like, "What if things turned out to be great?" "I am capable of anything I set my mind to," "I am worthy of all the success the universe has to offer," "I am the top student in my class," "I have very great and helpful mentors." "I am enough," "I am beautiful," and "I am so lucky to get a 15 lakh package by the end of the 8th semester." "I am so lucky to have so many great opportunities," and guess what? By the end of college, Priya ended up with a good package, was genuinely happy, and was growing and glowing from inside and out, but Riya was having nothing, even though she had all the potential in the world and could have done so much. This happens because our brain cherry-picks everything we say to ourselves and our subconscious mind is a very powerful tool we can use to grow in life. Being delusional with a positive attitude and working for that positive desired result is very important because the universe is always listening and observing you. With a negative attitude, it is very unlikely that you could end somewhere positive. If you cannot see beyond your current negative reality, you can never believe that you can also be successful and a billionaire in the future. Why can't



Earth is the only planet in our solar system not to be named after Greek or Roman deity .

you just believe in yourself and work for it? What's stopping you from believing in yourself and your capabilities? If having a positive outlook on life can help you in every situation, then why not do it? I know bad things happen, but we can search for the good, have faith in ourselves, and be a little delusional about the good in our lives. Trust me, every good thing you want is already out there in the universe. You just have to ask for it and work for it, but with a positive and growth mindset. If you don't get what you want, then it's only because the universe thinks there is something even better for you, or it's just not the right time. Maybe you are not ready, but mainly, there is always something much better than what you are asking for. Believing in yourself is the key. Being positively delusional is the key. Why do you want to think of anything else? Be "That Girl" and adopt that "Lucky Girl Syndrome" mentality. Think positively about yourself and put in the best effort for yourself. Practice manifestation and learn how to do it. Go to YouTube and learn about manifestation. Start journaling, unfollow people from social media who make you feel bad about yourself and who no longer serve you with positivity and growth, and unfollow, mute, and block anyone and everyone who comes between you, your growth, and your peace of mind. Dream as big as you want and work for it. Manifest about it, but manifestation goes hand in hand with actions. Your only job is to work with an abundant mindset and know in your heart that what you want is already yours and will be delivered to you. Set goals and make vision boards. Have them on your phone or print them out and stick them beside your mirror so you can see them every day, remember your goals, and affirm and visualize your dream reality coming to you and you living it. I do it every morning and night, and you should do it too. Affirmations are also another technique to make you believe in yourself. Every morning and night, say a few positive things about yourself in the present tense, even if you don't believe it. Fake it till you make it, and one day you will believe in yourself and you will have everything you dreamed about.

- Vaidehi Patil

BE-2 E&TC

The oceans which cover 71% of earth surface contain close to 20 million tons of gold .

Sirituality and Science

Both spirituality and science are connected to understanding the fundamental nature of the universe and our place within it. While science approaches this through observation and experimentation, spirituality often takes a more subjective approach.

Nicola Tesla was a great scientist who specialized in the field of electricity. Tesla' inventions are used in 80% of the gadgets we use today. Nicola Tesla's lot of work was based on Vedic principles. He used ancient Sanskrit terminology in his description. He described the universe as a kinetic system is filled with energy that could be accessed from any location. This concept was influenced by the teachings of Swami Vivekananda as he learnt about Sanskrit and the Vedas from Swamiji.

Swami Vivekananda was the first successor of eastern yogi's who brought Vedic philosophy and

religion to the west . Nikola Tesla thought he could mathematically demonstrate that force and matter are reducible to potential energy. Here Swamiji uses the terms force and matter for Sanskrit term prana and akash.Tesla used this Sanskrit terms as energy and mass .Swami Vikvekananda always believed that all the forces around us are all part of unified single force, and then many scientists proved this by using equations. Swamiji believed that matter and energy are same. Tesla started working on this, but he could not complete his research, which was then done by another great scientist, Albert Einstien ; thus, the world got its most famous equation

"$E = mc^2$"

Swamiji always stressed the need for science , education and scientific temper in India , based on its ancient spirits. Hence, science and spirituality are not meant to compete with each other but are meant to complement each other.

'Science and spirituality are two sides of the same coin'

Vanshika Thote

BE ENTC

Of all planets in our solar system earth has greatest density .

Engineering and Stories: An Unusual Connection

In the world of stories, where words and emotions craft adventures that can whisk us away, you might not immediately link the precision of engineering with the warmth of human experience. Yet, the bond between engineering and stories is deeper than it seems. Engineering, focused on solving complex puzzles and dreaming up innovations, doesn't just affect what stories are about; it also changes how we narrate them. This article delves into the unexpected link between engineering and stories, shedding light on how technology and human experiences combine to shape thrilling tales.

Engineering as a Creative Influence

Initially, engineering and stories may appear quite distinct. Engineering is often seen as demanding great technical knowledge and precision. However, the surprise lies in the fact that engineering also calls for imagination and creativity, much like crafting art.

Consider the construction of a suspension bridge, a terrific engineering challenge that requires careful planning, inventive designs, and the use of advanced materials. It's not just about expertise; it represents the limitless human imagination and ingenuity that goes into its creation. This creative aspect of engineering often finds its reflection in stories.

Many celebrated authors draw inspiration from incredible engineering marvels to infuse their stories with a sense of wonder. In certain stories, you can encounter remarkable structures engineered by people, adding to the thrill of the narrative. Let's explore this further.

Engineering as a Symbol of Progress

Engineering is not restricted to building structures like bridges and machines; it also plays a crucial role in enhancing human life. Engineers dedicate themselves to addressing challenges, enhancing efficiency, and improving human experiences. This dedication to progress and problem-solving often serves as a metaphor in stories.

In the realm of fiction, particularly in tales set in the future, engineering frequently takes center stage. Some stories discuss the consequences of rapid technological advancements and the dehumanizing impact of industrialization. These narratives remind us of the significance of being thoughtful when it comes to innovation.

However, engineering can also symbolize hope and resilience. The construction of monumental projects, like the Panama Canal, stands as a testament to engineering prowess and human determination. Works such as David McCullough's "The Path between the Seas" beautifully capture these achievements while emphasizing our ability to persist in challenging circumstances.

Everything in life can teach you a lesson, you just have to be willing to learn.

Engineering Creating Conflicts in Stories

Stories thrive on conflicts, and engineering often provides fertile ground for conflicts in narratives. Whether it's a struggle for control over a groundbreaking invention or ethical dilemmas surrounding cutting-edge technology, engineering-related conflicts offer authors a rich tapestry for weaving their stories.

A notable example is Mary Shelley's "Frankenstein." While not a traditional engineering story, it grapples with moral and ethical questions surrounding scientific experiments and the limits of human knowledge. Victor Frankenstein's creation of the monster serves as a testament to the unforeseen consequences that can arise when scientific and engineering pursuits lack ethical considerations.

Similarly, Michael Crichton's "Jurassic Park" explores the ethical dilemmas of genetic engineering and cloning. The conflict between ambition and responsibility lies at the heart of the story, as engineers and scientists must grapple with the consequences of their creations.

Engineering in World-building

The art of creating fictional worlds is a vital element of speculative fiction, where authors transport readers to entirely new realms. In this endeavor, engineering plays a pivotal role in shaping the believability and depth of these fictional worlds.

Authors like Isaac Asimov and Arthur C. Clarke, known for their contributions to science fiction, meticulously craft futuristic worlds where advanced technology and engineering are seamlessly integrated into society. Asimov's "Foundation" series delves into the role of science and technology in the rise and fall of civilizations, while Clarke's "2001: A Space Odyssey" envisions a future where engineering marvels, such as the spaceship Discovery One, facilitate humanity's journey to the stars.

These works exemplify how engineering can serve as a foundation for creating immersive and captivating literary landscapes through meticulous attention to engineering details.

Engineering as a Lens for Human Experience

Ultimately, engineering in stories is not solely about the technical aspects; it's about the human experience. It's about the aspirations, difficulties, and challenges of individuals striving to reshape the world around them. It also explores the ethical dilemmas and consequences that arise from wielding the power of innovation.

In Ernest Hemingway's "The Old Man and the Sea," the aging fisherman Santiago's battle with a marlin becomes a metaphor for human

The largest meteor ever to fall to earth left no crater .

determination and resilience in the face of natural challenges. While not a traditional engineering story, it encapsulates the essence of human endeavor and the indomitable spirit that drives both engineers and literary characters.

In conclusion, engineering's role in stories transcends the technical aspects. It serves as an opening to exploring the human condition, ethical dilemmas, and the boundless potential of innovation. As authors continue to draw inspiration from the world of engineering, we can anticipate an ongoing fusion of science, technology, and storytelling. This fusion enriches our understanding of the world and our place within it. It underscores that engineering isn't just about numbers; it's about creativity and bold aspirations. This is what makes it a significant component of stories as well.

Zainab Ajij Shaikh

BE II E&TC

The Timeless Charm of Black and White Photos

In a world full of bright colors, we often overlook the enduring appeal of black-and-white photos. They're simple, focusing on shapes, light, and shadows, without using dyes. This simplicity helps us see hidden beauty in everyday scenes. What makes them special is how they convey strong feelings without color distractions, connecting us deeply to what's in the picture.

Black and white photos stay important through time and make images feel like they have a history. What makes them appealing is the contrast between light and dark, which adds excitement and helps us focus on what's essential in the picture. So, give black-and-white photography a try for a captivating and timeless visual experience.

Name: **Madhura Lad**

BEII E&TC

It would take you 17 days to travel around the global at the equator if you were travelling at speed of 60 miles per hour .

Interesting Facts About Engineering

1. First Engineer in India

Sir Mokshagundam Visvesvaraya was the first engineer in India. The government of Bombay recruited Sir M Visvesvaraya as Assistant Engineer in the department of public works.

2. The First Female Engineer in India

Lalitha is the first female Electric Engineer in India. Also, she was the first female student of CEG(College of Engineering), Chennai.

3. The Founder of Engineering

The first Civil Engineer of the world is Imhotep. He most likely planned and regulated the development of the Pyramid of Djoser (a Step Pyramid) at Saqqara in Egypt around 2630-2611 BC.

4. The First Female Engineer in the World

Elisa Leonida Zamfirescu is the first female Engineer in the world to receive a degree in Engineering.

5. Oldest Branch of Engineering

Civil Engineering is the oldest branch of Engineering.

6. It's been 98 Years

In India Engineering was started in the year 1921 as the Government Technological Institute.

7. World famous engineers

You probably have heard of some of these famous engineers who have played a large role in the development of the world as we know it today:

- Thomas Edison: He invented the lightbulb, motion picture camera, and phonograph.
- Leonardo da Vinci: He created many designs that were later built, including the hand glider and the precursor to the helicopter.
- The Wright Brothers: They invented the first powered airplane.
- Nikola Tesla: He played a key role in the invention of the radio, the X-ray machine, and induction motors.

Name – Ruchita Uttekar
BE -II (ENTC)

2 animals can see behind without turning their heads –rabbit & parrot .

"Exploring the Enchantment: Embarking on a Journey through English Literature"

Embark on a wondrous expedition through the captivating realm of English literature, where words weave spells that transport us to different times, cultures, and dimensions. In this literary odyssey, we unravel words' magic and their transformative power.

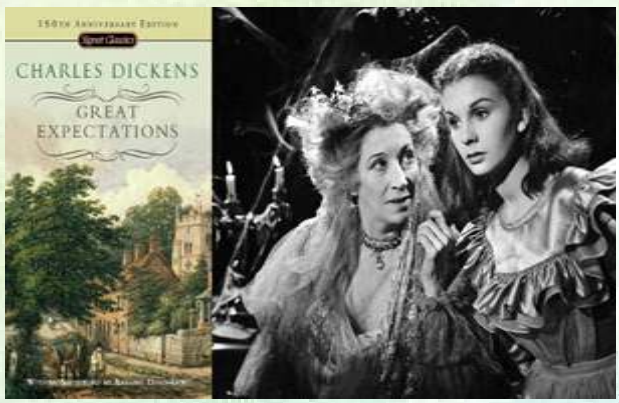
"Timeless Tales: Delving into Classic Literature"

Journey into the past as we unearth the treasures of classic literature. From the intricate tapestries of Shakespearean plays to the Gothic mysteries of Brontë and the philosophical explorations of Austen, we traverse eras to discover the enduring allure of timeless tales.

"Poetic Reverie: Embracing the Beauty of Verse"

Immerse yourself in the lyrical cadence of poetry, where words dance to rhythms that stir the soul. We unravel the poetic techniques of renowned poets like Robert Frost, Emily Dickinson, and Langston Hughes, discovering how verse encapsulates emotions and experiences.

"Adaptations and Beyond- Literature on Screen"



Golf is only sport that has been played on the moon on 6 feb 1971, Alan shepard hit the ball

Witness the transmutation of words into visuals as we explore literary adaptations on the silver screen. From classic novels to contemporary bestsellers, we examine the art of adaptation and its role in introducing timeless stories to new audiences.

"The Literary Mirror: Reflections of Society and Culture"

Peer into the looking glass of literature, where authors mirror societal norms, challenges, and triumphs. We dissect works that provide insights into historical contexts, social issues, and cultural paradigms, emphasizing the role of literature as a reflection of humanity.

"Fictional Worlds and Imaginary Realms"

Step into fantasy, where authors create entire universes from the depths of their imagination. From J.R.R. Tolkien's Middle-earth to J.K. Rowling's wizarding world, we explore the magic of world-building and its ability to transport readers to alternate realities.

Patil Prajakta Shankar
BE II

In hand, a novel, coffee's embrace,
A girl's life unfolds in mystic grace.
Through struggling nights, under the sun's hidden light,
She yearns for a tale-like story's blaze.

From reality's grasp, she takes flight,
In fantasy's realm, her spirit alights.
Escaping the clutches of shadows cast,
She tends to her wounds with poems amassed.

Her verses are a balm for the pain she knows,
In the garden of words, her resilience grows.
With each sip of coffee, each page she turns,
Her story unwinds, as her heart softly yearns.

Suneha deep kour
BE COMP

Leonordo DA vinci could write with one hand & draw with the other simultaneously .

Exploring the Mysteries of Black Holes: A Journey into the Cosmic Unknown

Introduction

Black holes are some of the most enigmatic and intriguing celestial objects in our universe. They have captivated the imaginations of scientists, astronomers, and the general public for decades. These mysterious entities, which are born from the remnants of massive stars, possess a gravitational pull so intense that nothing, not even light, can escape their grasp. In this write-up, we will delve into the fascinating world of black holes, exploring their formation, characteristics, and the profound impact they have on our understanding of the cosmos.

Formation of Black Holes

Black holes are formed through the gravitational collapse of massive stars. When a star exhausts its nuclear fuel, it can no longer counteract the force of gravity that wants to pull it inward. If the star is sufficiently massive (roughly more than 20 times the mass of our sun), it undergoes a cataclysmic explosion called a supernova. During a supernova event, the star's outer layers are ejected into space, while the core implodes under its own gravity. This core collapse can result in the formation of a black hole.

Event Horizon

One of the defining features of a black hole is its event horizon. This is the boundary beyond which nothing can escape, not even light. The event horizon is essentially an invisible boundary that surrounds the black hole, and once an object crosses it, it is inexorably drawn into the black hole's interior. Anything inside the event horizon is considered part of the black hole and is hidden from the observable universe.

Singularity

At the center of a black hole lies a point of infinite density and gravitational pull known as a singularity. It is where the laws of physics, as we currently understand them, break down. The singularity is hidden from direct observation by the event horizon, making it one of the most enigmatic aspects of black holes. At the singularity, the fabric of space-time itself is stretched to its limits, and our current theories fail to describe the conditions that exist there.

Types of Black Holes

There are several types of black holes, each distinguished by their mass:

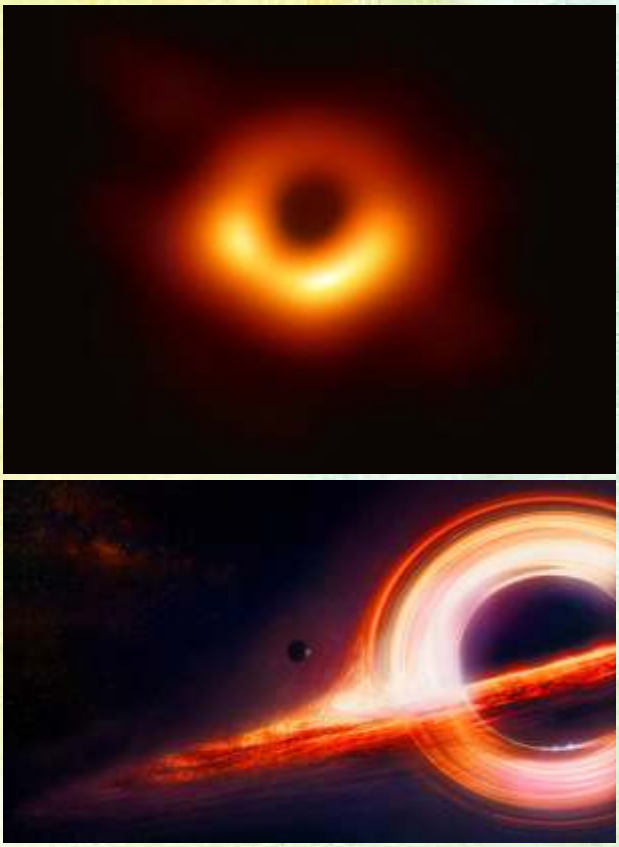
1. **Stellar Black Holes:** These are formed from the remnants of massive stars and typically have masses ranging from a few to several tens of times that of our sun.
2. **Intermediate-Mass Black Holes:** These black holes have masses between stellar black holes and supermassive black holes, though their origins are still a subject of research.
3. **Supermassive Black Holes:** These giants are found at the centers of galaxies and can have masses ranging from hundreds of thousands to billions of times that of our sun. Their formation is a subject of ongoing scientific investigation.

The Influence of Black Holes

Black holes have a profound impact on their surroundings and on our understanding of the universe. They can affect the motion of nearby stars and galaxies due to their immense gravitational pull. They are also associated with some of the most energetic and spectacular phenomena in the cosmos, such as quasars and active galactic nuclei.

Moreover, black holes are crucial in testing the limits of our current understanding of physics. They challenge our theories and force us to explore the interface between general relativity and quantum mechanics. Scientists are actively

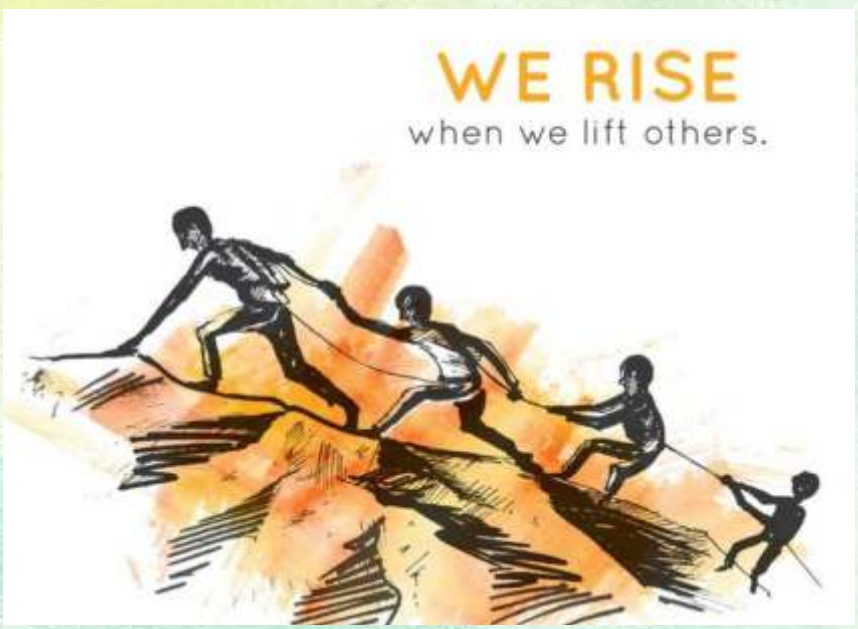
researching and formulating new theories, like quantum gravity, to better explain the behavior of black holes.



Conclusion

Black holes continue to be one of the most captivating mysteries of the cosmos. They challenge our understanding of the fundamental laws of the universe and offer a window into the extreme conditions that exist in the far reaches of space. As scientists conduct further research and explore the uncharted territories of black holes, our knowledge of these enigmatic entities is expected to grow, potentially leading to breakthroughs that reshape our understanding of the universe and its mysteries. Black holes are a testament to the awe-inspiring complexity and beauty of the cosmos, and they serve as a reminder of the boundless possibilities for discovery that still await us in the universe.

Sunecha Deep Kaur
BE Comp



Neil Armstrong has to fill an immigration from while coming back to the earth from moon.

Prof. (Dr) Shivajirao Kadam

Chancellor, Bharati Vidyapeeth (Deemed to be University)

Que. 1. Can you share your insight on the Current State of Education in India?

Ans.:

- The Current State of Education in India is in the transit state. The New Education Policy 2020 was declared 2 years ago but its implementation is not a smooth ride. Though the concepts and policies are good, the feasibility of implementing them is a great challenge. Eg. There is a provision for multiple entries and multiple exits in the Education Policy. But in a country like India, with a high population, and less existence of government-aided institutions, it will be difficult to execute.
- Since the Government Budget for Education is meager, the Private Players are encouraged to enter into the education sector. Though the capital expenditures can be incurred by the Private Players their recurring expenses including the payment of interest on the capital borrowed for investment are to be recovered from the beneficiary. In such cases, the affordability of beneficiaries plays a vital role.
- More than 70% of the eligible age group for education are from the middle class and the affordability of Private Sector Education is a big question.
- In Western countries the population is also minimum and the Government spending on education is correspondingly reasonable.

- What is practicable in the Foreign Countries may not be practicable in India.
- The NEP 2020 projects for multidisciplinary institutions. It is suggested in the document that unitary discipline institutions should form a cluster to make it multidisciplinary.
- At present various independent trustss are running independent Higher Educational Institutions offering one or more disciplines.
- All the individual Trusts to form a new Trust with common objectives is also not a smooth ride.
- India has many minority institutions with unitary discipline. The future of those institutions is not answered by the NEP 2020.
- For the students, though the Credit System has been introduced, all the Universities are not following the Common Credit System, due to a variance in the syllabus. For the same subject which carries 4 Credits in one institution is given 5 credits in the other institutions.
- The National Credit Framework has been declared to its adoption by all is awaited.
- The multidisciplinary concept of education in Rural and Tribal areas is difficult to implement. It is proposed to abolish the affiliation system in a phased manner for which the institutions should attain autonomous status by proving the excellence in Education

Que. No. 2.: Can you share any moment of yours with our Founder Hon'ble Dr. Patangrao Kadam that you cherish?

- All the moments of mine with our Founder Hon'ble Dr. Patangrao Kadam are cherishable. No particular moment can be identified.
- He is my Mentor, Guide, Philosopher and Guru. He is the man behind my growth in all respects, my education, my career growth, and my life.
- I am the first Faculty Member in Bharati Vidyapeeth (Deemed to be University) Poona College of Pharmacy appointed by Hon'ble Dr. Patangrao Kadam. In my career path, I have grown up as a Lecturer, Assistant Professor, Associate Professor, Professor, Principal, Dean, Pro-Vice Chancellor, Vice Chancellor, Pro-Chancellor and Chancellor.
- In the Bharati Vidyapeeth, as Joint Secretary and Secretary, I had an opportunity to serve in association with and guidance of Hon'ble Dr. Patangrao Kadam. The entire journey of my life in Bharati Vidyapeeth with our Founder Hon'ble Dr. Patangrao Kadam is memorable and cherishable.

Que. No. 3.: What initiatives have you been involved in to improve the quality of education in your region?

- Though I have taken many initiatives to improve the Quality of Education in my region, most of my initiatives are to improve the

quality of education for the entire country.

- I served two terms as a Member of the University Grants Commission, three terms as a Member of the Pharmacy Council, and 16 years as a Member of the Academic Council, SENATE, Management Council, and Dean of Pharmaceutical Sciences at the University of Pune. I made use of these positions to improve the quality of education not only in my region but for the entire country.
- Initiation of Pharmacy Education at Pune University was due to my efforts. Under the guidance of Hon'ble Dr. Patangrao Kadam, he has made efforts to obtain permission from various Statutory Councils to start colleges and schools in Rural Areas.
- I have encouraged the teachers of various institutions to carry out the research and inculcated the research culture amongst the students.
- It may not be out of place to mention here that I have made sustained efforts to get grants for various colleges from the University Grants Commission and other Statutory Councils for various purposes including research.

Que 4: What Challenges do you see in the Education Sector and what Solutions do you propose?

The Indian education sector faces several challenges and addressing them is crucial for its continued development. I wish to mention a few of the challenges along with potential solutions:

Challenge 1: One of the most significant challenges in the Indian education sector is unequal access to quality education. Rural areas and economically disadvantaged communities lack access to good schools and educational resources.

Solution: The government can work towards creating more equitable access by building schools and colleges in underdeveloped areas, providing scholarships to economically disadvantaged students, and implementing programs to bridge the digital divide.

Challenge 2: While India has a vast education system, the quality of education in many institutions is a concern. There is a need for a more practical and skill-oriented curriculum.

Solution: Curriculum reform should focus on practical skills, critical thinking, and problem-solving. Encouraging teacher training is also essential to improve teaching quality. Developing strong interactions with the industries will create more practical and skill-oriented knowledge.

Challenge 3: The excessive focus on exams and rote learning puts pressure on students, leading to mental health issues.

Solution: There is a need to shift towards a more holistic

assessment system that includes project-based assessments, continuous evaluation, and extracurricular activities. Promote the importance of learning over memorization.

Challenge 4: The Indian education system often prioritizes rote learning over research and innovation, hindering creativity and critical thinking.

Solution: Encourage research-oriented education from an early stage. Establish research centers and collaborations between universities and industries to promote innovation

Challenge 5: Many educational institutions lack adequate infrastructure and technology, especially in rural areas.

Solution: Invest in the development of educational infrastructure and provide internet connectivity to remote areas. Promote the use of technology for online and distance education, The Government should enhance the budget provision from a meager less than 3% of the GDP to a minimum of 6%

Challenge 6: The complex regulatory framework and excessive bureaucracy can hinder the growth and flexibility of educational institutions.

Resolution: Streamline regulations and create a more conducive environment for private investment in education. Encourage autonomy and accountability in educational institutions.

Challenge 7: India is a linguistically diverse country, and the medium of instruction can be a challenge for many students.

Solution: Promote multilingual education and offer educational material in regional languages. This will help students better understand and engage with the content.

To Conclude:

Addressing these challenges will require a multi-faceted approach involving government policies, educational institutions, teachers, and the community. It's crucial to prioritize the quality and inclusivity of education to ensure that all students have access to the knowledge and skills they need for a brighter future.

Que: 5: Can you describe your vision for the future of education in India?

Ans: In the coming years, India's education system envisions a transformative shift towards excellence, accessibility, and innovation. Our aim is to foster an ecosystem that empowers learners and researchers alike.

- **Quality and Relevance:** We aspire to offer globally competitive, research-driven education that meets the evolving needs of society and industry.
- **Interdisciplinary Approach:** Encouraging cross-disciplinary collaboration will nurture holistic, creative thinkers and problem solvers.
- **Global Engagement:** We seek active participation in the global

academic community, fostering international collaborations and diverse perspectives.

- **Research and Innovation:** A culture of research, innovation, and entrepreneurship will drive India's knowledge economy.
- **Faculty Empowerment:** Empowering educators through continuous professional development and research support is paramount.
- **Student-Centricity:** A student-centric approach will promote critical thinking, adaptability, and lifelong learning.
- **Industry Integration:** Strengthening ties with industry will bridge the gap between academia and real-world challenges.
- **Governance Reform:** Streamlined regulation and increased autonomy will promote institutional excellence.
- **Sustainability:** Education for sustainable development will be embedded across curricula, fostering responsible global citizens.
- **Inclusivity:** Special emphasis on inclusivity will cater to differently-abled learners and marginalized communities
- This vision document for the future of higher education in India sets the course for a dynamic, inclusive, and globally competitive educational landscape that empowers individuals, advances knowledge, and serves the nation's development goals.

Que.: 6: What role do you believe technology should play in modernizing the Indian higher education system?

- Technology enables remote learning, breaking geographical barriers and making education accessible to a wider audience. Along with this adaptive learning platforms and Artificial Intelligence driven tools cater to individual learning styles, enhancing student engagement and outcomes. Digital resources provide access to a wealth of up-to-date information and multimedia content, enriching the learning experience.
- Administrative tasks are streamlined through technology, reducing paperwork and improving operational efficiency.
- We need to adopt data-driven insight. Analytics and data tools provide valuable insights into student performance, enabling early interventions and improving educational outcomes.
- Cost efficiency can be achieved through the use of technology. Online education can reduce infrastructure costs and make education more affordable for students. Integrating technology prepares students for the digital workforce, aligning higher education with the demands of the modern world.
- Embracing technology is essential for modernizing higher education in India, making it more accessible, relevant, and responsive to the needs of a rapidly evolving society and job market

Que. No, 7: Do you think education can be aligned with the changing Job market and industry needs? Answer in 15 lines.

- Certainly, aligning education with the evolving job market and industry needs is not only essential but imperative in the 21st century. The pace of technological advancements and the dynamic nature of industries require a continuous reassessment of educational curricula. This alignment ensures that graduates are equipped with the relevant skills and knowledge demanded by the job market.
- To achieve this alignment, educational institutions should foster interdisciplinary learning, emphasizing not only specialized skills but also critical thinking, adaptability, and soft skills. Collaboration between academia and industry through internships, apprenticeships, and research partnerships is vital for gaining insights into current industry demands.
- So I firmly believe that aligning education with the changing job market necessitates a proactive, collaborative, and adaptable approach.

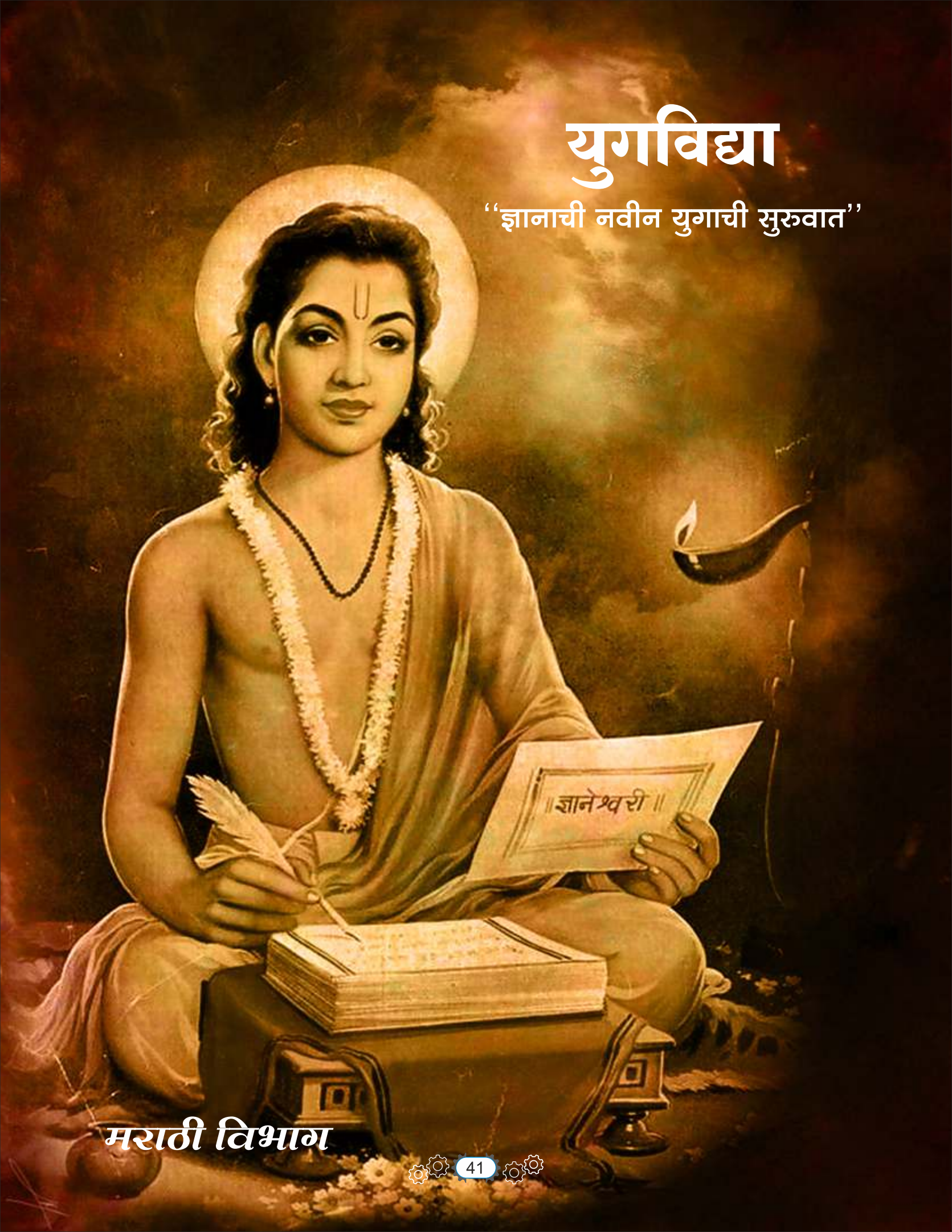
Que. No. 8: What message would you like to give to the girls students of Bharati Vidyapeeth's College of Engineering for Women?

- I want to applaud all the students for choosing to pursue engineering and breaking barriers and stereotypes. Remember, your potential is limitless. Embrace challenges, seek knowledge, and support one another. Your contributions to the field are invaluable. Stay curious, be resilient, and never stop believing in yourself. The engineering world needs your diverse perspectives and innovative ideas. Keep striving for excellence, and you'll make a significant impact. Your journey is inspiring, and the future is bright. I wish you great success.

With Founder Chancellor Dr. Patangraoji Kadam Saheb

युगविद्या

"ज्ञानाची नवीन युगाची सुरुवात"



मराठी विभाग

संपादकीय

पृथ्वीवरील अवनतीच्या चिंतेमुळे, भगवंत उठले दचकुन
आज्ञा झाली म्हणे, घ्या नारदाला बोलावुन
प्रगटले नारद म्हणे, प्रभो आपण जगाचे नियंता
शोधले आपल्या चिंतेचे समाधान, नाव त्याचे अभियंता

महान भारतीय अभियंता मोक्षगुंडम विश्वेश्वरय्या यांच्या जन्मदिनानिमित्त म्हणजे १५ सप्टेंबर या दिवशी अभियंता दिवस साजरा केला जातो. पूर येताच पाण्याच्या दाबाने दरवाजे उघडतील आणि ओसरताच पुन्हा पूर्ववत होतील अशी कल्पना त्यांनी जगाला दिली. तंत्रज्ञान आणि अभियांत्रिकी विकासामुळे प्रत्येक देश विकसित होत असतो. त्या विकासासाठी अभियंता हे पद अत्यंत महत्त्वपूर्ण ठरते. सध्या प्रत्येक औद्योगिक क्षेत्रात अभियंता कार्यरत असल्यामुळे पायाभूत सुविधा आणि तंत्रज्ञान विकास शक्य झालेला आहे.

या वर्षी, मला अभियंता संपादकीय संघाचे मराठी विभाग प्रमुख बनण्याची संधी मिळाली. संपादन पैलूंव्यतिरिक्त, यामुळे आम्हाला महाविद्यालय समुदायाशी संलग्न होण्याची आणि विद्यार्थी जीवनातील विविध क्षेत्रे एक्सप्लोर करण्याची संधी मिळाली.

माझ्या व माझ्यासारख्या अनेक विद्यार्थिनींच्या विचारांना व्यक्त होण्याकरीता ऑईस्टर २०२३ हा मंच म्हणजे सर्व काही आहे.आमच्या विद्यार्थ्यांच्या सर्जनशीलतेचे प्रदर्शन करण्यासाठी आणि वर्षभरातील आठवणींना उजाळा देण्यासाठी अभियंता प्रकाशित करण्यात आले. या शैक्षणिक वर्षाच्या अखेरीस ऑईस्टर २३ आवृत्ती मराठी विभाग तुमच्यासमोर सादर करताना आम्हाला सन्मान वाटतो.

शिक्षणाव्यतिरीक्त छंद जोपासणाऱ्या, त्यांच्यातील साहित्तीकास पुढे आणणाऱ्या या मराठी विभागास विद्यार्थीनींनी भरघोस प्रतिसाद दिला. या सर्वांचा मी एक भाग आहे याचा मला खूप आनंद होतोय.आपल्या माणसांच्या विजयाचा पतका उंचावर नेन्याची संधी मला ऑईस्टर २०२३ ने दिली या अविस्मरणीय प्रवासात पाठीवर कौतुकाची थाप ठेवणारे व मार्गदर्शक आमच्या गुरू प्रा.सौ. विजया पवार ,प्रा.सौ. साळुंखे आणि प्रा. सौ. शीतल शेळके.ऑईस्टर २०२३ च्या प्रवासा दरम्यान लाभलेले अविस्मरणीय अनुभव त्यासाथी मी ऑईस्टर २०२३ ची नेहमी ऋणी राहील.

चेतना महेश दुसाने
चतुर्थ वर्ष

डावीकडून उजवीकडे : प्रो. डॉ. एस.एस. साळुंखे, प्रो. डॉ. व्ही. आर. पवार, प्रो. एस.व्ही. शेळके

डावीकडून उजवीकडे : मानसी सुरंगळीकर, तन्वी दोशी, चेतना दुसाने, स्मिती चंदावडकर, श्वेता शिवाळे, वैष्णवी पाटील



एक अभियंता

पाहता पाहता प्रथम वष निघून गेले,
सबमिशनचे वाढणे सुरू झाले.

युनिव्हर्सिटी वेळापत्रक पाठवत राहते,
बघता बघता परीक्षा संपूनही जाते.

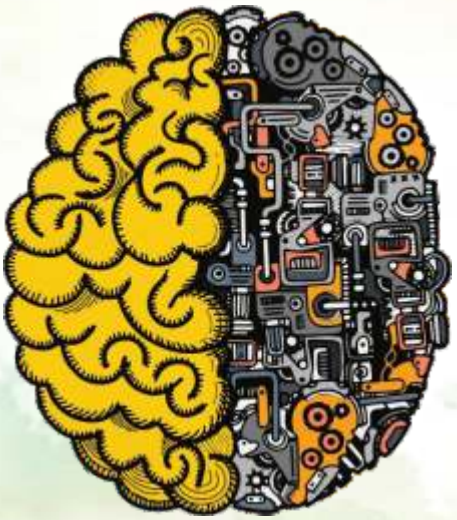
वाट पाहत असतो डेज आणि गॅदरिंगची,
ते दिवस संपताच घाई सुरू होते सबमिशनची.

शनिवार रविवार म्हटले तर सृट्टी,
पण एक्स्ट्रा लेक्चर्स मात्र आमचे हट्टी.

संपेस संपेल म्हणता तिसरे वर्ष आले,
या आठवणींमुळे डोळे मात्र पाणावले.

या अनुभवांनी संपतेय भिती सगळ्याची म्हणजेच फिअर,
सगळ्याच गोष्टींचा अनुभवी अभियंता म्हणजेच आम्ही इंजिनिअर.

वैष्णवी पाटील
एस.ई.आइ.टी



मैत्री

मैत्री हट्टी असणारी,
मदतीला धावून येणारी,
दु:खात सुख देणारी,
स्वत:पेक्षा जास्त दुसऱ्याचा विचार करणारी,

मैत्री ओढ लावणारी,
खांद्यावर डोकं ठेऊन विसावणारी,
'आम्ही कायम तुझ्या सोबत आहोत'!
असं म्हणून आधार देणारी,
रागाने गालावर मारणारी,
हक्काने ओरडणारी,
प्रेमाणे समजवणारी,
बोलत नसली तरी गोड देणारी,
अश्रूंना जागीच रोखणारी,
गुरु प्रमाणे मार्गदर्शन करणारी.
मैत्री आमची एकमेकांना साथ देणारी.

कधी एकमेकांवर रुसणारी,
कधी एकमेकांगवर फुगणारी,
तरी कधी एक मेकांना सावरणारी,
पानांवर साठलेल्या थेंबासारखे रंग मैत्रीचे.
रोज रोज भांडून घट्ट होणारे बंध मैत्रीचे.

– ऋचा राजन गोहाड
बी.ई. १ इ.एन्ड टी. सी.

यशस्वी होण्यासाठी खुप मेहनत करावी लागते.कोणतीही गोष्ट सहज मिळत नसते.

अभियांत्रिकी

अभियांत्रिकीच्या संगीताने गायलेली,
सपन्यांच्या उडत्या पंखांनी सजवलेली।
विज्ञानाच्या अमृताने जीवनाची दिशा,
अभियांत्रिकीच्या मार्गाने आलेली विका।

यंत्रशक्तीच्या जादूने घेतलेली आवाज,
धडपडलेल्या मशीनांची गती वेगळ्या संगीतात जागृत।
क्षितिजावर विस्तारलेल्या विचारांच्या धारेत,
अभियांत्रिकीच्या नावाखाली दौडलेल्या यशाच्या पारेत।

नव्या विचारांच्या संगीताने सजवलेले,
तंत्रज्ञानाच्या जगात आवाज उठवलेले।
किंवा काय तरंग असताना तयार केलेले,
अभियांत्रिकीच्या गाण्यात लुढलेले मन भरलेले।

अभियांत्रिकीच्या संगीताने जगण्याची भावना दिलेली,
नव्या दिशेने मार्ग दाखवलेली, उत्तम निर्माण केलेली।
तंत्रज्ञानाच्या संगीताने आनंदपूरित जीवन घेतलेले,
अभियांत्रिकीच्या संगीताने गाठलेले नित्य यश गातलेले।

तन्वी दोशी
एस.ई.१ इ.एन्ड टी. सी.

बाप म्हणजे काय?

बाप म्हणजे काय?
बाप म्हणजे जगण्याचं माप आहे,
पाठीवरची थाप आहे,
कधी रागावला तरी ज्याची माया अमाप आहे,
तो म्हणजे बाप आहे,
बाप म्हणजे ध्येयाकडे नेणारी शिडी आहे,
संकटातून पार करणारी होडी आहे,
जो कधी तिखट वागला तरीही आयुष्यभराची गोडी आहे
बाप म्हणजे शिस्तबद्ध धाक आहे,
जगणं आपोआप आहे,
आयुष्याच्या समुद्रात दीपस्तंभाची झाक आहे,
तो म्हणजे बाप आहे

स्मिती चंदावडकर
बी.ई. आई.टी

आनंदात असताना ''हे माझ्याच बाबतीत का? असा प्रश्न आपण विचारतो का?मग दु:खात असतानाही हा प्रश्न विचारण्याचा आपल्याला काहीही हक्क नाही.

वीर धाराऊमाता गाडे-पाटील स्मारक, कापुरहोळ

पुरंदर किल्ल्याच्या पायथ्याशी कापूरहोळ गाव. यांच गावात वीर धाराऊमाता गाडे–पाटील यांचे स्मारक आहे. इतिहास प्रेमींना परिचित पुरंदर किल्यावर छत्रपती संभाजी महाराजांचा जन्म झाला. शंभू महाराजांच्या मातोश्री सईबाई महाराज लहान असताना आजारी पडल्या होत्या. महाराणी सईबाई बाळंत व्याधीने त्रस्त झाल्या. त्यावेळी बाळ शंभूराजांना दुधाची नितांत गरज होती. तेव्हा गडाच्या पायथ्याशी असणाऱ्या कापूरहोळ गावातील कुलवंत गाडे पाटील घराण्यातील धाराऊ माता यांनी देखील बाळाला जन्म दिला होता. किल्ले पुरंदर येथून खुद्द जिजाऊ मासाहेबांनी जवळच असलेल्या कापूरहोळ येथील गाडे पाटील यांची सून धाराऊ यांना बोलावून घेतलं व त्यांना शंभूराजांना दुध पाजण्यासाठी नियुक्ती केली. तान्ह्या शंभू राजास या गाडे कुटुंभातील धाराऊ या मातेने दूध पाजले. अशा या मातेच्या दुधावर स्वराज्याचे दुसरे छत्रपती संभाजी राजे घडले. महाराष्ट्रातील इतिहासात धाराऊ मातेस विशेष महत्व आहे. धाराऊ तुकोजी गाडे पाटील.

पुणे जिल्ह्यातील भोर तालुक्यापासून जवळ असणारे पुरंदरच्या पायथ्याचे कापूरहोळ हे मूळ गाव.स्वराज्याचे धाकले धनी दुसरे छत्रपती धर्मवीर छ. संभाजी महाराज यांच्या दुधमाता१४ मे १६५७ रोजी पुरंदर किल्ल्यावर राणी सईबाईंच्या पोटी शंभुराजांचा जन्म झाला. त्यानंतर सईबाईंची तब्येत आजारपणामुळे बिघडत गेली. याच आजारपणामुळे शमभुराजांना पुरेसे दूध मिळत नव्हते. त्यामुळे शंभूराजे भुकेने तळमळायचे तेव्हा शंभूराजांना आता दूध कोण पाजणार ? ही चिंता राजमाता जिजाऊ मासाहेबांना सतावू लागली. त्याच काळात पुरंदरच्या पायथ्याशी कापूरहोळ या गावी धाराऊ गाडे ही महिला नुकतीच बाळंत झाली आहे अशी माहिती जिजामातांना मिळाली. तेव्हा जिजाऊंनी गाडे – पाटलांना सांगावा धाडून गडावर बोलावून घेतले आणि सर्व हकीकत सांगितली आणि धाराऊंना गडावर येण्याची विनंती केली. जिजाऊ माँसाहेबांच्या विनंतीला मान देऊन धाराऊ त्यांच्या रायाजी आणि अंतोजी या दोन्ही मुलांना घेऊन तडक गडावर आल्या. धाराऊंच्या दुधावर शंभूराजांचे पालनपोषण होऊ लागले. राणी सईबाईंचे आजारपण पुढे वाढतच गेले आणि १६५९ साली शंभूराजे अवघे २ वर्षांचे असताना त्यांचे निधन झाले. शंभूराजे पोरके झाले मात्र धाराऊंनी आपले मातृत्व शंभुराजांना अर्पण केले. धाराऊंच्या असण्याने शंभूराजांच्या दुधाची चिंता मिटली होती.

धाराऊंच्या या अमूल्य सेवेबद्दल शिवाजी महाराजांनी त्यांना दरवर्षी २६ होन, धाराऊंचा थोरला मुलगा रायाजी यांना राजगडावर तर धाकटा मुलगा अंतोजी यांना पन्हाळगडावर नोकरीस ठेवले होते. धाराऊंचे पती तुकोजी यांना कापूरहोळ ची पाटीलकी दिली होती तर तुकोजींच्या भावाच्या नावे हरिश्चंद्री गावची पाटीलकी दिली होती.

धाराऊ या आजन्म शंभुराजांसोबत राहिल्या. या भूतलावर फक्त दोनच वेळा भाग्यवान आई होण्याचा मान दोन महिलांना प्रत्यक्ष परमेश्वराने दिला आहे. एक म्हणजे आई यशोदा आणि दुसरी म्हणजे दूधआई धाराऊ अक्का. एकीने भगवान श्रीकृष्णना दूध पाजून मोठे केले तर दुसरीने स्वराज्याच्या धाकल्या धन्याला!

धन्य धन्य त्या धाराऊ !!

धन्यवाद !

संदर्भ :शिवपुत्र शंभूराजे
:– डॉ. सौ कमल गोखले

– ऋचा राजन गोहाड
बी.ई. १ इ.एन्ड टी. सी.

मनातला कोणताही विचार कागदावर सहज येत नाही.तो आधी जगण्यात असावा लागतो.

स्वामी

स्वामी.. श्रीमंत माधवराव पेशवे यांच चरित्र.. रणजीत देसाई यांनी सुरेख पद्धतीने एका पेशव्याच्या चारित्र्यावर, जीवनावर, कारभारावर टाकलेला प्रकाश अत्यंत अद्भुत आहे. वयाच्या अवघ्या १६ व्या वर्षी अंगावर पडलेली 'पेशवाई' ची जबाबदारी ते देखील पानिपत च्या लढाईत मराठ्यांची संपूर्ण तरुण पिढी गारद झाली त्यावेळी. अकाली आलेल प्रौढत्व, आलेली जबाबदारी पेशव्यांनी कशी समर्थपणे हाताळली ते या कादंबरी मध्ये आहे.

''पानिपताच्या लढाईत मराठ्यांच जेवढ नुकसान झाल नाही

तेवढ नुकसान या तरुण पेशव्याच्या अकाली मृत्यूने झाल..''

हे उद्गार कुणी मराठी माणसाचे नसून इंग्रज इतिहासकार ग्रँट डफ यांचे आहेत. त्यांनी तत्कालीन भारतीय सम्राज्यकर्त्याबद्दल लिहिताना श्रीमंतांबद्दल आपल्या इतिहास वर्णनात लिहून ठेवल आहे.

खरच या तरुण पेशव्याच्या अकाली मृत्यूने मराठी दौलतीचे नुकसान झाले ते भरून काढणे शक्य नाही. पानिपत च्या लढाईत विश्वासराव , सदाशिवराव भाऊ यासारखे मातब्बर धारातीर्थी पडले, या धक्क्याने श्रीमंत बाजीराव पेशवे खचून गेले व कालांतराने मृत्यूने त्यांना जवळ केले. पेशवाई च्या वस्त्रसाठी असलेली अंतर्गत धुसफूस, अकाली हरवलेल वडिलांच छत्र, कोवळ वय हे सगळ असून देखील छत्रपती शाहू महाराजानी माधवरावांच्या अंगी असलेली स्वराज्यासाठी असलेली तळमळ, मराठी रयतेसाठी असलेली माया, एका राज्यकर्त्याच्या अंगी असलेले सगळे गुण हेरून माधवरावांना 'श्रीमंत माधवराव पेशवे' केले. आणि माधवरावांनी देखील तो विश्वास सार्थ करून दाखवला. अवघ्या १६ व्या वर्षी पेशवे बनून रयतेची स्वतःच्या लेकराप्रमाणे सांभाळ करणारे असे होते माधवराव. १७६१ ते १७७२ या केवळ ११ वर्षांच्या किरकोळ कार्यकाळात त्यांनी मराठ्यांची पानिपतावर गमावलेली शान परत मिळवली. आणि मराठ्यांचा झेंडा अटकेपार पुन्हा एकदा फडकवला.

फक्त अटकेपार विजय एवढयावरंच त्यांची कारकीर्द थांबत नाही तर अंतर्गत धुसफूस असून देखील समर्थपणे राज्यकारभार करणे, रयतेची देखभाल करणे, कायदा व सुव्यवस्था राखणे. ''राज्याची न्यायव्यवस्था कुणाच्या अंमलाखाली नसते, मग तो स्वतः राज्यकर्ता असो नाहीतर राज्यकर्त्याचे आप्तगण..'' जनतेचा न्यायव्यवस्थेवर विश्वास बसवला. ''राज्यकर्त्याला स्वतःच असं आयुष्य नसतं,रयत च त्याची जीवनसाथी असते. पोरबाळ म्हणजे पण जनता असते'' असे माननारे होते माधवराव.. निजाम, हैदर, अब्दाली यांसारख्या परकीय आक्रमणकर्त्यापासून देखील रयतेच रक्षण अगदी समर्थपणे केलं .. फक्त राज्यातील जनताच नाही तर कलात्मक वारसा, मंदिरं , धार्मिक स्थळ, यांना देखील या परकीय आक्रमणांमुळे काही हानी पोहचू नये म्हणून काळजी घेतली. याचच उदाहरण म्हणजे निजामाबरोबर केलेला राक्षसभुवन चा तह.. या तहानुसार निजामाने आक्रमणात अजिंठा– वेरूळ लेण्यांना कुठलीच हानी पोहचवायची नाही अस नमूद होतं .. माधवराव आपल्या प्रजेची आणि रयतेतील सामाजिक आणि ऐतिहासिक वारस्याची काळजी घ्यायचे, जपायचे.. आणि यामुळेच स्वराज्यातील जनता त्यांना ''स्वामी'' म्हणून संबोधत असे.

अशा या तडफदार पेशव्याच्या अकाली निधनाने मराठी साम्राज्याचे कधीही भरून निघणार नाही असे नुकसान झाले , असं म्हणतात ते अगदी खरच ..!!!

मृणाल मसलेकर
टी.ई. कॉम.

आतला आवाज सतत ऐकत राहणे,हीच स्वातंत्र्य मिळविण्याची किंमत आहे.

अभियंता- नवोत्पादकाची उच्चभविष्यी

जगाच्या कोणत्या कोणत्या शिखरांत,
उत्कृष्टतेच्या पर्वतात उभा, सर्वात पुढे.
तंत्रज्ञानाच्या योग्यतेने काढलेले मार्ग,
अभियंत्री नावाने जग उद्यमिता व्यापारी चांगला.
तंत्रकौशल्यातले महान आविष्कार, नवोत्पादन,
सोबतच सुरु आत्मनिर्भरतेच्या प्रवासांचे संवादन.
शहरातील इमारती, सडके, कंपन्यांच्या मोहरे,
अभियंत्रींकाच्या सर्वप्रथम चिंतनांचे चिह्न, समर्पित.
कंप्युटर, इलेक्ट्रॉनिक्स, बायोमेडिकल, अभियांत्रिकी,
विज्ञानाच्या रहस्याच्या नवीन पुनरावलोकनी.
समस्या असल्या कितीही वेगवेगळ्या,
अभियंत्रींकाच्या कल्पनेतील योग्यता वेगवेगळ्या.
नवोत्पादनातले रहस्य गोड घेतलेले,
आपल्या कर्मसूत्रांच्या मोजण्यांनी जग केले सुंदर ,
अभियंत्रीकाच्या दुनियेत एक उजेड आहे,
नवोत्पादकाची वाणी तुटलेल्या ध्वनीत स्पष्ट असे.
जीवनातल्या संघर्षांच्या अगणित मार्गांत,
अभियंता आपल्या क्षमतेच्या सागरात उभा राहतो
जितका सागरांत. उद्यमिता आणि संघर्षांच्या पथावर चालून,
अभियंता हे निखळलेल्या यशाच्या पुतळ्यासम भासले.
सर्वप्रथम उद्यमित अभियंत्रीकाच्या हृदयात उदय,
तंत्रज्ञानाच्या आविष्कारांच्या वातावरणातल्या प्रेरणा.
आणि नवोत्पादनाच्या उच्चभविष्यात उदय,
अभियंता येतो आणि आपल्याला सांगतो आपले पुन्हा
आविष्कार.

मानसी सुरंगळीकर
एस.ई. २ इ.एन्ड.टी.सी.

स्वप्नांची दिशा: एक अभियांत्रिकी व्हायचं स्वप्न-

मनुष्याच्या जीवनात स्वप्नांची महत्त्वपूर्ण भूमिका आहे. स्वप्न नसताना जीवनातील अर्थ व सांसारिकतेची कमी होते. या स्वप्नांच्या दिशेने आपल्याला उच्च ध्येय साध्यायला मदत होते. आजच्या विश्वात, अभियांत्रिकी ही एक उच्च शिक्षणाच्या क्षेत्रातील एक महत्त्वपूर्ण पेढी आहे. 'अभियांत्रिक' हा शब्द सुंदर आणि आकर्षक आहे.

आपल्या स्वप्नांची दिशा निश्चित करण्यासाठी अभियांत्रिकीच्या क्षेत्रात प्रवेश करण्याची इच्छा अनेक युवकांना आहे. अभियांत्रिकीच्या क्षेत्रातील विविध संधी, विकास, आविष्कार आणि तंत्रज्ञानाच्या मार्गाने व्यक्तीला संचालित होण्याची क्षमता देतात. आपल्याला आवश्यक शैक्षणिक आणि तंत्रज्ञानिक प्रशिक्षण मिळते, ज्ञान आणि कौशल्यांच्या आधारावर आपल्याला आपल्या स्वप्नांच्या दिशेने वाटचाल करण्यास संधी मिळतात.

अभियांत्रिकी हे क्षेत्र तंत्रज्ञानाच्या निरंतर विकासाच्या क्षेत्रात आहे. विज्ञान, गणित आणि तंत्रज्ञान ह्या शाखेतील ज्ञान आपल्याला यशस्वी अभियांत्रिकी बनवतात. या क्षेत्रात काम करण्याची संधी मिळताना आपल्याला नवीन आणि उत्तम समस्यांच्या निराकरणासाठी संघटना करण्याची क्षमता होते.

युगापासून, अभियांत्रिकीने कल्पनाशक्ती आणि स्वप्नांना उपयुक्त अशा गोष्टीमध्ये बदलले आहे. अभियांत्रिकीने आपले जीवन कसे बदलले याचे सर्वात जुने उदाहरण म्हणून चाकाच्या शोधाप्रमाणे. औद्योगिक युगाच्या प्रारंभापासून, अभियांत्रिकीचे महत्त्व आणि प्रभाव सर्वात वेगाने वाढला आहे. आपण ज्या आधुनिक युगात राहतो त्या चमत्काराशिवाय शक्य नव्हते–मायक्रोचिप, हाय स्पीड वाहने, मोबाईल नेटवर्क, स्वयंचलित असेंब्ली लाईन्स आणि इतर अनेक. अभियांत्रिकीशिवाय आपला समाज जगू शकत नाही असा दावा करणे फार दूरचे ठरणार नाही.

अभियांत्रिक व्हायचं स्वप्न साकार करण्यासाठी पहिल्यांदा आपल्याला शिक्षणाच्या मार्गाने चालनंतर उच्च शिक्षण प्राप्त करावं. स्वप्नातल्या अभियांत्रिकीला जगण्याचं आणि त्याच्या स्वप्नांच्या माध्यमातून एक यशस्वी अभियांत्रिकी व्हायचं, ह्या मार्गावरच्या तयारीत आपल्याला सफलतेची परवानगी मिळाली आहे. स्वप्न पूर्ण करण्याच्या प्रवृत्तीने आपल्याला विजयाची दिशा दाखवली पाहिजे आणि त्याच्या मार्गावर सतत प्रगती करण्याची प्रेरणा घेतली पाहिजे.

त्याच्या मार्गावर आपल्याला यशस्वीपणे प्रगती करण्याची आशा असू द्या आणि स्वप्नपूर्ण अभियांत्रिकी व्हा!

मानसी सुरंगळीकर

एस.ई. २ इ.एन्ड.टी.सी.



खऱ्या विदयार्थ्याला कधीच सुट्टी नसते ही त्याच्यासाठी नवं काहीतरी शिकण्याची संधी असते.

पोशिंदा

जिथवर हात आहे त्याचा आपल्या डोईवरी ,
राज्य करते लेक त्याची साऱ्या दूनियेवरी..
सुटली साथ एकदा त्या बापाची ,
किंमत कळते कष्टाने कमवलेल्या रुपयाची ...
फाटका खिसा पैशाने असला जरी
रुबाब लाखोंचा आहे त्याच्या चेहऱ्यावरी...
दाखवून जरी देत नसला तो कधी, तरी
जीव ओवाळून टाकणार नाही कोणी जीवनात लेकी परी ...
धाक दिसतो त्याच्या डोळी,
लिहिल्या कधी गेल्या नाही त्याच्याबद्दल प्रेमाच्या चार ओळी ,
प्रत्येकाच्या कवितेमध्ये भासते फक्त माय माझी साधी भोळी ,
बापा शिवाय नेहमीच अपूर्ण आहे आयुष्याची ही खेळी ...
शब्द संपत आले आता माझे असे म्हणता येणार नाही ,
अटोपेल बापाचा सहारा एवढ्यात असे शब्द आता मिळणार नाही ...
कधी सुटला तो हात हातातून जर चालता चालता हे मला एवढ्यात उमगणार नाही,
वेळ अशी येऊ नये माझ्यावर कधी ,कारण बापाच्या शब्दाशिवाय दिवस माझा मावळणार नाही
पोसले ज्याने आजवर मला रिन हे जन्मात उतरणार नाही ,
माफ कर बाबा मला ,तुझ्यावर तुज एवढा जीव कधी लावू शकणार नाही...
शब्द देते आहे आज ही लेक तुजला तुझी मान मज मुळे कधी झुकणार नाही....
इश्करुहानी

प्रिती तरटे
बी.ई. १ ई.एन्ड.टी.सी.

मी

आरश्यात पाहुनी स्वतःला सावरले मी,
गोड अशी लाजुनी बावरले मी ,
कानातल्या झूमक्याची भर ती सौंदर्यात पडली,
कोण जाणे कशी ही प्रीत माझी मजवर जडली....
इश्करुहानी

प्रिती तरटे
बी.ई. १ ई.एन्ड.टी.सी.

जो गुरूला वंदन करत नाही;त्याला आभाळाची उंची लाभत नाही.

विशाखा विश्वनाथ

प्र .१. तुमचा अभियांत्रिकी ते कवयित्री हा प्रवास कसं झाला? आणि त्या प्रवासात काही अडचणी आल्या असतील तर त्या कोणत्या?

माझ्या या प्रवासात अभियांत्रिकीचा मोठा वाटा आहे. जेव्हा एखादी गोष्ट पटत नाही किंवा आवडत नसते तेव्हा आपली आपल्या आत घुसमट होते. स्वतः च्या विचारांशी आणि परिस्थितीशी FRICTION होत असतं आणि या FRICTION मुळे FICTION जन्माला येते. आणि मला कविता तशी गवसली.

प्र.२. मराठी साहित्याचा, मराठी चित्रपटांचा तुमच्या या प्रवासावर कसा प्रभाव पडला?

आपण लहान असतो तेव्हा घरात काय बोललं जातं, पाहिलं जातं याचा खूप परिणाम होत असतो. माझ्या लहानपणी घरात आत्ताच झी मराठी म्हणजे तेव्हा अल्फा मराठी पहिलं जायचं,आणि त्यावर असणारे कार्यक्रम, त्या कार्यक्रमाचा दर्जा खूप अप्रतिम होता. अवंतिका,अनुबंध, लज्जा या सारख्या मालिकांमधील अभिनेत्री सक्षम दाखवल्या होत्या,विचार करणाऱ्या होत्या,स्वतंत्र दाखवल्या होत्या, त्याचा प्रभाव झाला. आणि तसेच माझं घर, माझा संसार हा माझा आवडता चित्रपट. तो यामुळे,मुळच्या रत्नाकर मतकरींच्या कथेत आणि त्यानंतर या चित्रपटात दाखवलेले प्रसंग की,कसे एक कुटुंब त्याच्या समोर असणाऱ्या प्रसंगाना एकत्रपणे सामोरे जाते.

मी खूप भाग्यवान आहे कारण मुग्धा गोडबोले-चिटणीस यांच्या नावे एक कथाकथन स्पर्धा घेतली जाते आणि त्या स्पर्धेत मी लिहिलेली एकमेव अहिराणी कथा सादर केली. आणि त्यांच्या नावे असलेल ते बक्षीस मी जिंकले. त्यामुळे तुम्ही काय बघता बोलत त्याच्यावरून खूप गोष्टी ठरत असतात आणि त्या खऱ्या असतात.

प्र.३. तुमचे आवडते साहित्यकार कोणते? आणि या लेखन प्रवासात कुठले साहित्यिक तुम्हाला जवळचे वाटतात?

मला हे सांगायला आवडेल की मला बुद्धिवादी माणसं आवडतात. असे सगळेच साहित्यिक मला जवळचे वाटत आले आहेत. जसं की गौरी देशपांडे, मेघना पेठे, महेश दत्तात्रय लोंढे, दासू वैद्य असे अनेक साहित्यिक आहेत जे मला जवळचे वाटतात. आणि त्या मागच कारण म्हणजे प्रत्येकानी आपली भूमिका मांडली,पण ती मांडताना कुठेही आक्रस्ताळेपणा, आम्ही म्हणतोय तेच आणि तितकच खरं अशी भूमिका नव्हती.

मला असं वाटत की साहित्यिकांनी तरुणांसमोर आपलं लिखाण YouTube, Instagram सारख्या माध्यमातून आणायला हवं.

उगाच समजूतदारपणे वागण हे शहरीकरणाच एक लक्षण वाटत. आपला मूळचा स्वभाव आणि आपला मूळचा पिंड राखून जेव्हा साहित्यिक समोर येतात तेव्हा सगळेच साहित्यिक आपल्याला जवळचे वाटतात.

प्र.४. तुमच्या स्वतःला स्वतः विरुद्ध उभं करताना या काव्य संग्रहाला साहित्य अकादमीचा पुरस्कार मिळाला आहे. तर तुम्ही याबद्दल काय सांगाल? आणि हाच विषय का निवडला ?

आपण विषय निवडत नसतो,विषय आपल्या परीने आपण जगताना आपली व्याप्ती घेत असतो. स्वतःला स्वतः विरुद्ध उभं करताना ही आपल्या प्रत्येकाची गोष्ट आहे. आपण सतत स्वतःला स्वतः विरुद्ध उभं करत असतो. आपल्याला घरात एक शिकवलेलं असतं पण जेव्हा आपण घराच्या बाहेर पडतो तेव्हा माणसं काहीतरी वेगळी वागतात,आपला अपेक्षाभंग होतो, आपण काहीतरी नवीन शिकतो. आपल्याला बोलता

व्यक्तिमत्व सुंदर नसेल तर दिसण्याला काहीच अर्थ नाही.कारण सुंदर दिसण्यात अन् सुंदर असण्यात खूप फरक असतो.

येत पण कुठे, कुणासमोर, किती बोलायचं ते आपण रोजच शिकत असतो. आणि हा सगळा प्रवास म्हणजे स्वतःला स्वतः विरुद्ध उभं करताना. 'उभं राहणं' म्हणजे तुटणे, धडपडणे, कोसळणे आणि पुन्हा उभं राहणं.

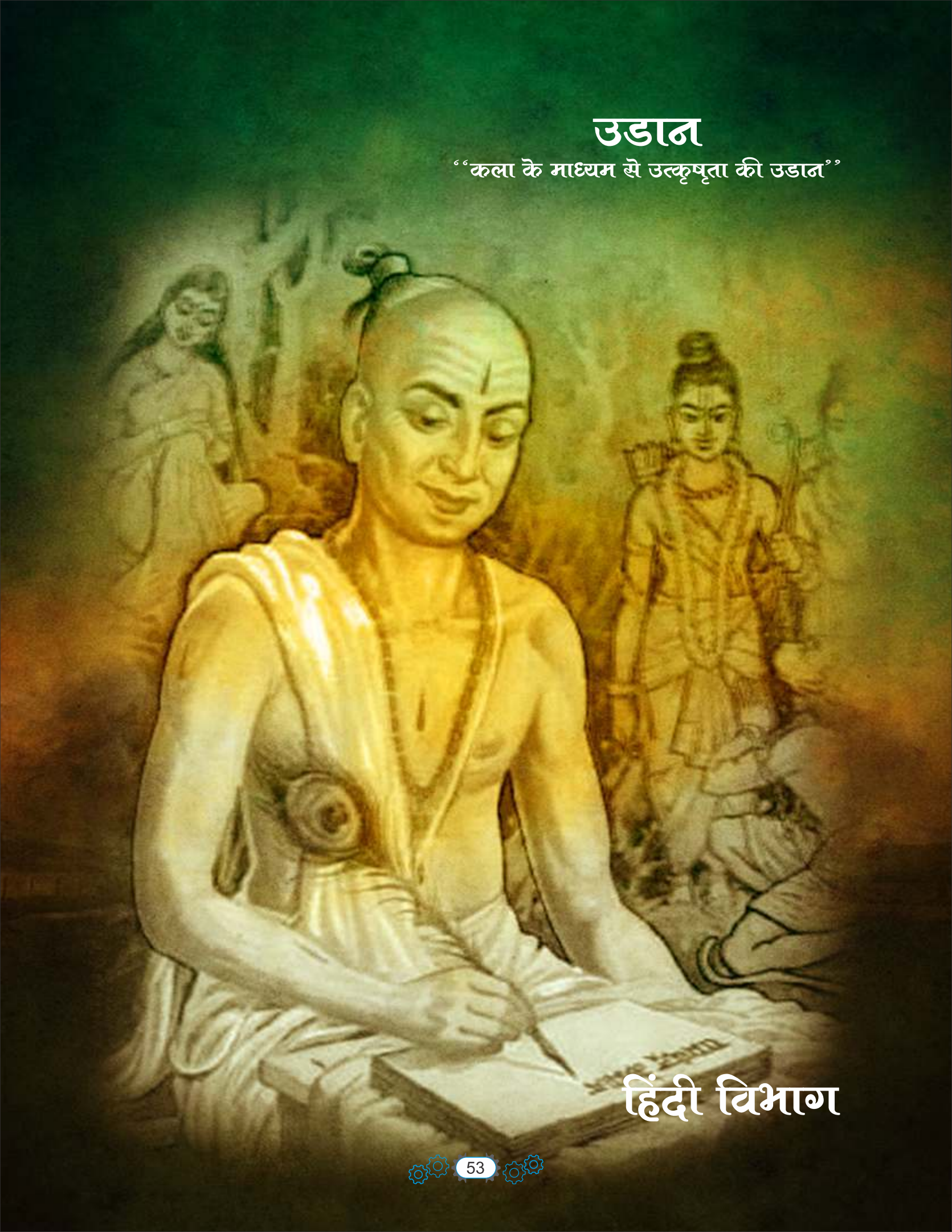
प्र.५. तुम्ही सांगितल्याप्रमाणे तुम्ही DIGIT-L M-RKETING, DIGIT-L FILM² M-KING मध्ये C-REER करत आहात. तर त्यात नेमक काय आहे?

आपल्याकडे म्हण आहे की बोलणाऱ्याची माती देखील विकली जाते तर M-RKETING आणि STR-TEGIST`m मुळात वेगळ्या concept आहेत. जेव्हा मी अभियांत्रिकी सोडलं तेव्हा मी film मेकिंग मधलं माझं शिक्षण पूर्ण केलं. त्यावेळी मला एक गोष्ट समजली ती म्हणजे आपण ज्या समाज व्यवस्थेत आहोत तिथे मला on-site काम करणं अवघड आहे पण films शी मला जोडलेलं राहायच आहे तर मला असं काहीतरी काम करायला हव की जे मला films ला जोडून ठेवेल आणि माझी चौकट मला न तोडता विस्तारता येईल. आणि माझ्यासाठी हीच स्वातंत्र्याची व्याख्या आहे.हे काम माझ्या चौकटीत बसत , मी डिजिटल मार्केटिंग आणि प्रमोशन्स साठी काम करते. मी copywriter म्हणून ३० ते ४० चित्रपटांसाठी काम केलेलं आहे. Digital माध्यमातून लोकांपर्यन्त चित्रपट पोहोचवण्यासाठी नवीन नवीन कल्पना सुचवणं, म्हणजे STR-TEGIST .

युवा पुरस्कार

उडान

"कला के माध्यम से उत्कृषृता की उडान"



हिंदी विभाग

संपादकीय

हौसलों की उड़ान लेके हम इस साल भी हमारी पत्रिका प्रदर्शित कर रहे है। पत्रिका एक ऐसा मंच है जिसके माध्यम से हम हमारी कल्पनाओंको बुलंदिओ तक पहुंचा सकते है।

इस पत्रिका के संपादन का कार्य स्वीकारते समय मुझे यह मुश्किल लगा पर मुझे आशा थी की में ये कार्य पूरा कर सकती हूँ। अब मैं बहुत ही भाग्यशाली समझती हूँ की मुझे इस विभाग का संपादन करने का मौका मिला। इस कार्य को पूरा करते समय मुझे मेरे साथीदारोंका बहोत सहकार्य मिला। संपादन के दौरान मुझे बहोत कुछ सीखने को मिला मेरा यह अनुभव खास रहा।

यह पत्रिका हमारी छोटीसी कोशिश है। आशा करती हूँ आपको पसंद आएगी। अंत में बस एक कहना चाहूंगी,

''कौन कहता है कामयाबी
किस्मत तय करती है।
इरादों में दम है तो मंजिले
भी झुका करती है । ''

निकिता शेडगे
बी. ई. (ई एंड टी.सी)

बायेसे दाई ओर : प्रो. आर.आर. जैन, प्रो. डॉ. आर. एम. शामलिक

बायेसे दाई ओर : बुशरा सय्यद, फरीन अत्तार, हर्षदा अष्टेकर, निकीता शेडगे, साक्षी पवार, गायत्री घाडगे, आयशा शेख

उडान हौसलोंकी

खुला आसमान ये बताता हैकी ,
उडान तेरी बाकी है।
तू डर के यू हार मत मान ,
तेरी उडान अभी बाकी है ।
कौन कहता हैकी परो से,
उडान भरते है परींदे,
मै कहती हू हौसलों से
उडान भरते है परींदे, ।
तु रख खुद पर भरोसा,
अभी तुझमे बहोत हिम्मत है।
पुरी कायनात तेरी हो जाएगी ,
जब तेरी उडान आसमा छुएगी।
तोड के जंजिरे तुझे आगे बढना है,
युही रूककर तुझे हौसला ना छोड़ना है।
तू रख खुद पर भरोसा तुझे आसमान छुना है।

निकिता शेडगे
बी. ई. (ई एंड टी.सी)

अवसर के बिना काबिलियत कुछ भी नहीं हैं।

अब तेरी बारी हे

तोड़ दे ये परंपरा ओकी जंजीरे
अब तेरी उडने की बारी हे ।।
दिखा दे सबको
तू एक अबला नहीं सबला हे ।।
कुछ चाहा नहीं, कुछ माँगा नहीं
बदला तूने खुद को, की ये रिश्ता टूट न जाये कही ।।
बदली तूने तेरी आदते, बदली तूने तेरी चाहते
पर बदले सरहानके तुझे क्या मिला सिर्फ ताने।।
अब मान मेरी बात तू, तू खुद मे ही पूरी हे
तू टूटी हुई उम्मीद की एकमात्र आस हे ।।
तू काली हे, तू सरस्वती हे
जोड़ दे सारा साहस खुद मे तो तू सब पे भारी हे ।।
तू निकल खुद की खोज मे, रुकी क्यो हे
तेरी वजूद की तो समय को भी तलाश हे ।।
तुज से लिपटी इन बेडियों को न समज वस्त्र तू
अब समय आगया हे बनाले इन्हे अस्त्र तू।।
पार कर दे सारी बेडिया और भर ऐसी उड़ान तू
अब तेरी बारी हे खुद के लिए भी जरा जिले तू।।
तोड़ दे ये परंपराओकी जंजीरे
अब तेरी उडने की बारी हे ।।

साक्षी पवार
बी.ई. (ई एंड टी.सी.)

अगर कोई पाप हैं, तो वो यही हैं, ये कहना कि तुम निर्बल हो या अन्य निर्बल हैं।

हम नहीं रुकेंगे

चंद्रयान-३ मिशन:

परिचय:

चंद्रयान-३ भारत का तीसरा चंद्र मिशन और चंद्रमा की सतह पर सॉफ्ट लैंडिंग का दूसरा प्रयास है।

इस मिशन के तहत चंद्रयान-३ ने १४ जुलाई, २०२३ को दोपहर २:३५ बजे श्रीहरिकोटा के सतीश धवन अंतरिक्ष केंद्र (SDSC) से उड़ान भरी थी।

इसमें एक स्वदेशी लैंडर मॉड्यूल (LM), प्रोपल्शन मॉड्यूल (PM) और एक रोवर शामिल है जिसका उद्देश्य अंतर ग्रहीय मिशनों के लिये आवश्यक नई प्रौद्योगिकियों को विकसित एवं प्रदर्शित करना है।

चंद्रयान-३ मिशन का उद्देश्य:

चंद्रमा की सतह पर सुरक्षित और सुगम लैंडिंग करना।

रोवर को चंद्रमा पर घूमते हुए प्रदर्शित करना।

यथास्थान वैज्ञानिक प्रयोगों का संचालन करना।

विशेषताएँ:

चंद्रयान-३ के लैंडर (विक्रम) और रोवर पेलोड (प्रज्ञान) चंद्रयान-२ मिशन के समान ही हैं।

लैंडर पर वैज्ञानिक पेलोड का उद्देश्य चंद्रमा के पर्यावरण के विभिन्न पहलुओं का अध्ययन करना है। इन पेलोड में चंद्रमा पर आने वाले भूकंपों का अध्ययन, सतह के तापीय गुण, सतह के पास प्लाज़्मा में बदलाव और पृथ्वी तथा चंद्रमा के बीच की दूरी को सटीक रूप से मापना शामिल है।

चंद्रयान-३ के प्रणोदन मॉड्यूल में एक नया प्रयोग किया गया है जिसे स्पेक्ट्रो-पोलरिमेट्री ऑफ हैबिटेबल प्लैनेट अर्थ (SHAPE) कहा जाता है।

का लक्ष्य परावर्तित प्रकाश का विश्लेषण कर संभावित रहने योग्य छोटे ग्रहों की खोज करना है।

भारत के अन्य चंद्रयान मिशन:

चंद्रयान-१:

भारत का चंद्र अन्वेषण मिशन २००८ में चंद्रयान-१ के साथ शुरू हुआ, जिसका उद्देश्य चंद्रमा का त्रि-आयामी एटलस निर्मित करना और खनिज मानचित्रण करना था।

प्रक्षेपण यान: -PSLV-C11

चंद्रयान-१ ने चंद्रमा की सतह पर पानी और हाइड्रॉक्सिल का पता लगाने सहित महत्त्वपूर्ण खोजें कीं।

चंद्रयान-२: आंशिक सफलता और खोज:

चंद्रयान-२ में एक ऑर्बिटर, लैंडर और रोवर शामिल थे, जिसका लक्ष्य चंद्रमा के दक्षिणी ध्रुव की खोज करना था।

प्रक्षेपण यान: -GSLV MkIII-M1

यद्यपि लैंडर और रोवर चंद्रमा की सतह पर दुर्घटनाग्रस्त हो गए, ऑर्बिटर ने सफलतापूर्वक डेटा एकत्र किया और सभी अक्षांशों पर पानी के प्रमाण पाए।

गायत्री घाडगे
बी.ई (ई एंड टी. सी)

संदर्भ

१) चंद्रयान-२ भारतीय चन्द्रयान अभियान प्रज्ञान (रोवर) रॉकेट
२) चंद्रयान-३ ब्योरा
३) चंद्रयान-३ विवरण

जीतने वाले अलग चीजें नहीं करते, वो चीजों को अलग तरह से करते हैं।

तू हारना मत

सपने

सपनेअगर सच हो जाते, मंज़र का होता !
अगरआजाती बहारे कही, तो बंजर कहाँ होता ?
न जानेककतनेनयनो नेखाब छीनते देखे है,
सवाल बनतेदेखेहै, जवाब छीनते देखे है।।
जो सपना देखा था हमने, काश उसी मे रहते हम,
इस दुकनया की न सुनतेएक, इस दुकनया सेन कहते हम ।
आँखेमूंदे–मूंदे, मकदरा पीते रहते हम,
नीदं – नशे मे बहते–बहते सीट रहते हम ।।
पर पलकों पर नहीं कदखते सपने, नीदं कदखा करती है,
हम पर मारे छीटें दुकनया ''उठ जाओपारे'' कहती है ।
हम को खीचं लाती है काले– सफ़े द रंगों मे,
बांध देती है हमे दायरों मे, ढंगों मे।।
किर रात हम स्– नगरी मे चले जाते है,
हकीकत मे किरते रहते है।
सपनो मे साँसे पाते है,
पर रोज़ सुबह येदुकनया, हमारे खाबोंको झुठलाती है।

हर्दा कनतीन अषेकर
बी. ई. (ई एंड टी.सी)

आई

हमारे लिये आई सब छोड़के आती है,
बाबा का साथ निभाती, पूरे घर की जिम्मेदारी उठाती है।

आई के बारे में क्या लिखूं, आई ने खुद लिखा है मुझे,
सब गलतियाँ माफ करके, बहुत प्यार करती है मुझे।
इतना प्यार आज तक, ना किया होगा किसी ने।

हर एक बात जानती है मेरी, हर एक बात मानती है मेरी,
मेरी जिद के लिये बाबा से झगड़ती है,
मेरी खुशी के लिये पूरी दुनिया से लड़ती है।

बाबा ने भी मेरे लिये आई ने बहुत तकलीफें उठायीं,
हर पल, हर घड़ी उनके साथ थी आई।

नादानियाँ करती हूं तो प्यार से समझाती है,
गुस्से से दो–चार थप्पड़ भी लगाती है।
बाबा से मेरी हर गलती छुपाती है,
कैसे कहूं? मेरी आई मुझसे कितना प्यार करती है।

मैं ना खाऊं कुछ तो दुखी हो जाती है,
कितनी भी हो तकलीफें,
महसूस होने ना देती है।

हर उमंग, हर उम्मीद, हर हौसला बढ़ाती है।
मेरे हर डर को मुझसे दूर भगाती है।
कोई साथ छोड़े मेरा, वो हमेशा साथ रहती है।
कैसे कहूं? मेरी आई मुझसे कितना प्यार करती है।

श्रुती सिंह
बी. ई. (ई एंड टी.सी)

जीवन की लम्बाई नहीं, गहराई मायने रखती हैं।

कर हर मैदान फतेह

आज किसी भी क्षेत्र में लड़किया किसी से कम नहीं है। जीसी भी क्षेत्र में लड़कियों ने भाग लिया हे जित कर ही दम लिया है। पी वी सिंधु, सानिया मिर्जा ऐसे बहुत नाम हे जिन्होने इंडिया का सर गर्व से अच्छा किया हे इसमे एक ऐसा भी नाम था जिसे हौसलो कि उडान भरी थी। इंडिया की पहिली फाइटर पायलट अवनि चतुर्वेदि।

अवनी चतुर्वेदि का जन्म २७ अक्टूबर १९९३ को मध्य प्रदेश में रीवा जिले के कोटि कचन गांव में एक हिंदू परिवार में हुआ था। वे एक समृध्द परिवार से ताल्लुक रखती है। उनके पिता का नाम दिनकर चतुर्वेदि है और वे पेशे से जल संसाधन विभाग में इंजिनियर थे। जवकी उनकी माँ का नाम सबिता चतुर्वेदि है और वे एक गृहिणी है। अवनी चतुर्वेदि के एक बडे भाई है, और वे भारतीय सेना में है।

अवनी ने अपनी प्रारंभिक शिक्षा मध्य प्रदेश के एक छोटे से कस्बे देओल के आदर्श हायर सेकेंडरी स्कूल से प्राप्त की। अवनी ने १२ वी तक की पढाई आदर्श से हिंदी माध्यम से की है। इंटर करने के बाद अवनी चतुर्वेदि बी. टेक करने के लिए वनस्थली राजस्थान चली और २०१४ और २०१४ मे उन्होने कंप्युटर साईंस मे बी टेक डिग्री हासिल की।

साल २०१४ में अवनी चतुर्वेदि ने कोलम्बस फ्लाईंग क्लब ज्वाईन किया अवनी चतुर्वेदि को हैदराबाद वायुसेना अकादमी में प्रशिक्षण करने के लिये चुना गया था । २५ साल की उम्र में अवनी ने प्रशिक्षण पूरा कर लिया । एक साल की ट्रेनिंग के बाद अवनी चतुर्वेदि जून २०१६ में लडाकू विमान पायलट (First Fighter Pilot of Indian Air Force) बन गयी।

जापान में सुखोई-३० उडाएंगी देश की पहली फाईटर पायलट अवनी चतुर्वेदी । अवनी के साथ दो और महिला ओने वायुसेना मे शामिल हुई थी। मोहना सिंह और भावना कंठ ये थीं महिला इंडिया की पहिली फाइटर पायलट है। फ्लाइट पायलट अवनी चतुर्वेदी, वर्ष २०१८ में मिग-२१ विमान उडाकर पूरे देश में विक्रम किया था। उन्होने अकेले मिग-२१ विमान की उडान भरी थी। अवनी ने इसके लिये गुजरात के जामनगर एयरबेस से उडान भरी थी और उसे एक ही बारी मे पूरा किया था।

९ मार्च २०२० को अवनी चतुर्वेदी को राष्ट्रपती रामनाथ कोविंद द्वारा नारी शक्ती पुरस्कार से सन्मानित किया गया था।

अवनी ने अपनी बुलंद उडान से बता दिया की अगर स्त्री थान ले तो फाइटर जेट उडाना भी उसके लिये मुश्किल नही है। स्त्री ने थान लिया तो वो हर मैदान फतेह कर सकती है।

साक्षी पवार

बीई (इ एंड टी सी)

खुद वो बदलाव बनिए जो दुनिया में आप देखना चाहते हैं।

हम झगड़ें छोटी बातों पर

हर एक रिश्ता सवारते सवारते हम खुद ही बिखरते गए ।

जब तब थामे खड़े थे हाथ, हर बार सच्चे यार के मिसाल से निखरते गए।

एक को मनाए दूसरा रूठे, दूसरे को मनाए पहला रूठे,

दोनों को मनाते मनाते क्यूं हरबार मेरा ही दिल टूटे ?

ना रहे किसी के हिस्से के, नवाब बनके रहे सिर्फ हर एक के किस्से के ।।

उगते सूरज साथ मुस्कान लेके उठते पर सोते रहे हर दिन रोते,

समझ नही पाए कब भूल गए किश्तों किश्तों मैं खुदको खोते ।।

तरटे प्रिती

बी.ई. २ ई एन्ड टी सी

चुटकुले

१ प्लम्बर: सर, नल ठीक हो गया लेबर चार्ज ८०० रुपये..

इंजीनियर: अरे, १ घंटे की इतनी फीस तो मेरी भी नहीं है!

प्लम्बर: सर, जब मैं इंजीनियर था तो मेरी भी नहीं थी!

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२ इंजीनियरिंग के स्टूडेन्ट सर, हमने कॉलेज में एक ऐसी चीज बनाई है

जिसकी सहायता से आप दीवार के आर–पार देख सकते हैं

सर (खुश होते हुए) वाह ! क्या बात है क्या चीज है वो

स्टुडेन्ट छेद सर दे थप्पड़ दे थप्पड़

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३ लड़का – बाबा इंजीनियर हूं

नौकरी नहीं लग रही उपाय बताये

साधू – कौन सी ब्रांच है बेटा,

लड़का – इलेक्ट्रिकल

साधू – फिर मुझे नही पता,

मेरी मैकेनिकल थी...

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४ टीचर– इतने दिन कहां थे, स्कूल क्यों नहीं आए?

गोलू– बर्ड फ्लू हो गया था मैम।

टीचर– पर ये तो पक्षियों को होता है इंसानों को नहीं।

गोलू– इंसान समझा ही कहां आपने...रोज तो मुर्गा बना देती हो..!!

नीता सोनवणे

बी.ई. २ ई एन्ड टी सी

गलती करना मानवीय हैं, क्षमा करना ईश्वरीय।

विश्वास नांगरे पाटिल : भारत के युवाओं के लिए आशा की किरण

विश्वास नांगरे पाटिल का पूरा नाम विश्वास नारायण नांगरे पाटिल है। उनका जन्म ५ अक्टूबर १९७३ को सांगली (महाराष्ट्र राज्य) जिले के कोकरुड (बत्तीस शिराला) गांव में एक मध्यम वर्गीय सामान्य परिवार में हुआ था। तेईस साल की उम्र में, वह एक अधिकारी के रूप में भारतीय पुलिस सेवा (आईपीएस) में शामिल हो गए। वह १९९७ बैच के पुलिस अधिकारी हैं।

१९९७ में जब उनका चयन आईपीआईएस में हुआ तो उनकी शिक्षा केवल बीए इतिहास थी। जिसे उन्होंने शिवाजी यूनिवर्सिटी कोल्हापुर से पूरा किया। प्रशिक्षण के समय उन्होंने उस्मानिया विश्वविद्यालय से बिजनेस एडमिनिस्ट्रेशन में मास्टर डिग्री पूरी की थी।

उन्होंने मुंबई विश्वविद्यालय से एम.ए. की डिग्री प्राप्त की है। नांदेड़ विश्वविद्यालय से एलएलबी की डिग्री भी हासिल की। फिर उन्होंने १९९७ में महज चौबीस साल की उम्र में सेल्स टैक्स ऑफिसर के तौर पर अपना करियर शुरू किया। एक ही वर्ष में सेल्स टैक्स इंस्पेक्टर, डिप्टी कलेक्टर और आईपीएस ही ऐसे पुलिस अधिकारी हैं जिन्होंने बड़ी सफलता हासिल की ।

उन्होंने न सिर्फ पुलिस विभाग के लिए काम किया है बल्कि कई सामाजिक गतिविधियां भी चलाई हैं. इसीलिए उन्हें कई समाज सेवी संस्थाओं और सामाजिक संस्थाओं द्वारा सम्मानित किया जा चुका है।

गाँव की युवा पीढ़ी के प्रति उनका विशेष आकर्षण था क्योंकि उन्होंने भी अपना प्रारंभिक जीवन (बचपन) गाँव में बिताया था। इसके प्रमाण में उन्होंने एक भाषण में निम्नलिखित वाक्य कहा।

'अगर इन खेतोके फूलों को काली, सख्त मिट्टी, अच्छी खाद और पानी मिले तो वे ऐसे ही जड़ें जमाएंगे, ऐसे ही खिलेंगे, जबकि मुंबई और पुणे जैसे बड़े शहरों के गुलाब, कमल और मोगरा उनके सामने फीके बड़ी जाएंगे। '

सुबह से शाम तक वह उत्सुकता से पढ़ाई करते था। इस प्रकार उन्होंने लगभग आठ महीने तक यात्रा की और अध्ययन किया। आख़िरकार, उन्होंने इस ८ महीने की अवधि में बिना रुके १३ ऐसी परीक्षाएँ (डिप्टी कलेक्टर, सेल्स टैक्स इंस्पेक्टर, पीएसआईः आईपीएसः) पास कर लीं।

उनमें दृढ़ इच्छाशक्ति थी. इसी इच्छाशक्ति के बल पर उन्होंने कई शिखरों को फतह किया था। आईपीएस इंटरव्यू में उनसे निम्नलिखित प्रश्न पूछे गए।

आप आस्था की इस दुनिया में क्यों आये हैं ?

उन्होंने कहा, ''सर, मैं यहां लड़ने आया हूं. अब तक मैं विपरीत परिस्थितियों से लड़कर इस मुकाम तक पहुंचा हूं। यदि आप मुझे इस प्रणाली में प्रवेश करने का मौका दें तो मैं इस प्रणाली में मौजूद बुरे अवसरों को नष्ट करने के लिए लड़ना चाहता हूं। '

गायत्री घाडगे

बी.ई (ई एंड टी .सी)

संदर्भ

१) विश्वास नांगरे पाटिल जीवन चरित्र

२) https://en.wikipedia.org/wiki/VishwasšNangarešPatil>

कभी भी जो काम आप आज कर सकते हैं उसे कल पर मत टालिए।

आज का किसान

त्याग और तपस्या का दूसरा नाम है किसान। वह जीवन भर मिट्टी से सोना उत्पन्न करने की तपस्या करता रहता है। तपती धूप, कड़ाके की ठंड तथा मूसलाधार बारिश भी उसकी इस साधना को तोड़ नहीं पाते। हमारे देश की लगभग सत्तर प्रतिशत आबादी आज भी गांवों मे निवास करती है। जिनका मुख्य व्यवसाय कृषि है।

पिछले कुछ वर्षों में भारतीय किसानों ने खेती और इससे जुड़े दूसरे कामों मे सबसे बेहतर प्रदर्शन करके अपार सफलता हासिल की है। चाहे खेती हो, पशुपालन हो या खेती मे आधुनिक तकनीकों का प्रयोग करना ही क्यो न हो। भारत के किसानों से साबित कर दिखाया है की नई टेक्नोलॉजी से जुड़कर कैसे अधिक उत्पादन लिया जा सकता है। खेती–किसानी को टेक्नोलॉजी से जोड़ने के इस काम मे भारत को कई देशों का भरपूर सहसोय मिल रहा है।

ड्रोन के जरिये खेत की डेटा मैपिंग, फसलों की निगरानी, कीटनाशकों का छिडकाव और मौसम की जानकारी आदि सुविधाओं का लाभ मिलता है, जिससे खेती मे आने वाली चुनौतियों को समय से पहले दूर किया जा सकता है। हाईड्रोपॉनिक्स को बिना मिट्टी की खेती भी कहते है। इस तकनीक मे बिना खाद–मिट्टी के सिर्फ पानी के जरिये सब्जियों की फसल को बढासा जाता है।

भारत मे खेती–किसानी के साथ–साथ पशुपालन करके अतिरिक्त आमदनी कमाने का चलन है। ऐसे में कितना अच्छा रहेगा कि फोन पर ही पशु की हर समस्या का पता चल जाये। जी हां, अब से मुमकिन है. स्मार्ट डेयरी फार्मिंग के जरिये ऐसी तकनीके इजाद की जा चुकी है, जिनके तहत पशुओं की भूख–प्यास से लेकर सैर–सपाटे पर निकले पशुओं की लोकेशन भी जान सकते है।

निकीता शेडगे

बी. ई. (ई एंड टी.सी)

हौसल

हौसलों की उड़ान कभी नाकामियाब नहीं होती, यह एक बहुत ही अच्छा प्रेरनादायी वाक्य है, इसका अर्थ होता है कि जो लोग अपने हौसलों को कभी कम नहीं होने देते और हमेशा कोशिश करते रहते है, वे कभी भी नाकामियाब नहीं होते उन्हें सफलता जरुर हासिल होती है. दोस्तों, कुछ लोग ऐसे भी होते है जो दूसरों के हौसलों को बढ़ाने की वजाय उनके हौसलें कम करने की कोशिश करते है, ऐसे में सबसे पहले बात आती है लडकियों की. लोग सोचते है कि यह लडकियों के बस की बात नहीं है वे कुछ नहीं कर सकतीं. लेकिन ऐसा कहकर वे लडकियों का हौसला कम नहीं करते बल्कि इससे लड़कियों का कुछ कर दिखाने का हौसला और भी ज्यादा बढ़ जाता है. आज मैं आपके सामने एक ऐसी ही अपने हौसलों की उड़ान भरती लड़की की कहानी आपके सामने प्रस्तुत कर रही हूँ.

एक बार की बात है एक लड़की थी जिसका नाम सोनम था. वह बचपन से ही पढ़ाई में बहुत ही होशियार थी और इसके लिए उसे कई मेडल भी मिले. किन्तु उसकी पढ़ाई से ज्यादा रूचि क्रिकेट में थी और वह बड़ी हो कर क्रिकेटर बनना चाहती थी. सोनम के पिता डॉक्टर थे और माँ गृहणी थीं. सोनम के पिता चाहते थे कि सोनम बड़ी हो कर डॉक्टर बने किन्तु सोनम यह नहीं चाहती थी. वे हमेशा सोनम से यह कहते रहते कि – ङ्कयह लडकियों का खेल नहीं है इसलिए तुम यह नहीं खेल सकतीङ्ख इस वजह से सोनम अपने पिता से हमेशा नाराज रहती थीं, किन्तु सोनम की माँ सोनम को हमेशा सपोर्ट किया करती थी. वे अक्सर सोनम को छुप कर खेलने जाने के लिए अनुमति दे दिया करती थीं और सोनम के पिता से झूठ बोल देती थीं कि वह पढ़ाई कर रही है.

स्कूल की पढ़ाई पूरी करने के बाद उसके पिता ने उसे डॉक्टरी की पढ़ाई के लिए बाहर पढने भेज दिया. सोनम कॉलेज की पढ़ाई के लिए बाहर चली तो गई थी किन्तु उसका इसमें मन नहीं लगता था, क्यूकि उसे चारों ओर क्रिकेट ही क्रिकेट दिखाई देता था. फिर एक बार उसकी माँ ने उससे कहा कि वह यह सब छोड़ दे और क्रिकेट खेलना शुरू कर दे और उसने अपने पिता को बिना बताये अपनी माँ की बात मानते हुए क्रिकेट खेलना शुरू कर दिया, इसके लिए उसकी माँ ने उसका पूरा सपोर्ट भी किया. क्रिकेट खेलते – खेलते सोनम ने एक के बाद एक कई ट्रोफी जीती.

फिर एक बार एक खेल में वह बहुत ही गंभीर तरह से घायल हो गई, और उसे हॉस्पिटल में एडमिट किया गया. सोनम की माँ को सोनम के पिता से सब कुछ बताना पड़ा और सोनम के पिता यह सब जान कर बहुत ही ज्यादा गुस्सा हुए और सोनम के पास जा कर उससे कहने लगे – ङ्कतुमने ये ठीक नहीं किया मैंने कहा था यह लड़कियों का खेल नहीं है और तुम मुझे बिना बताये क्रिकेट खेलने लगीङ्ख. ऐसा कहकर वे सोनम से बहुत नाराज होकर वहाँ से चले गए. डॉक्टर ने भी यह कह दिया कि सोनम अब कभी भी क्रिकेट नहीं खेल पायेगी. सोनम यह सब सुनकर बहुत ही ज्यादा दुखी हो गई और उसने सोचा की उसने ऐसा करके अपने पिता का दिल दुखाया है, वह बहुत से महत्वपूर्ण क्रिकेट मैच का हिस्सा भी नहीं बन सकी, जोकि उसका सपना था. किन्तु उसके दिमाग में अपने पिता की एक बात बार – बार घूम रही थी कि क्रिकेट लडकियों का खेल नहीं है, और वह किसी भी हालत में अपने पिता की इस बात को गलत साबित करना चाहती थी.

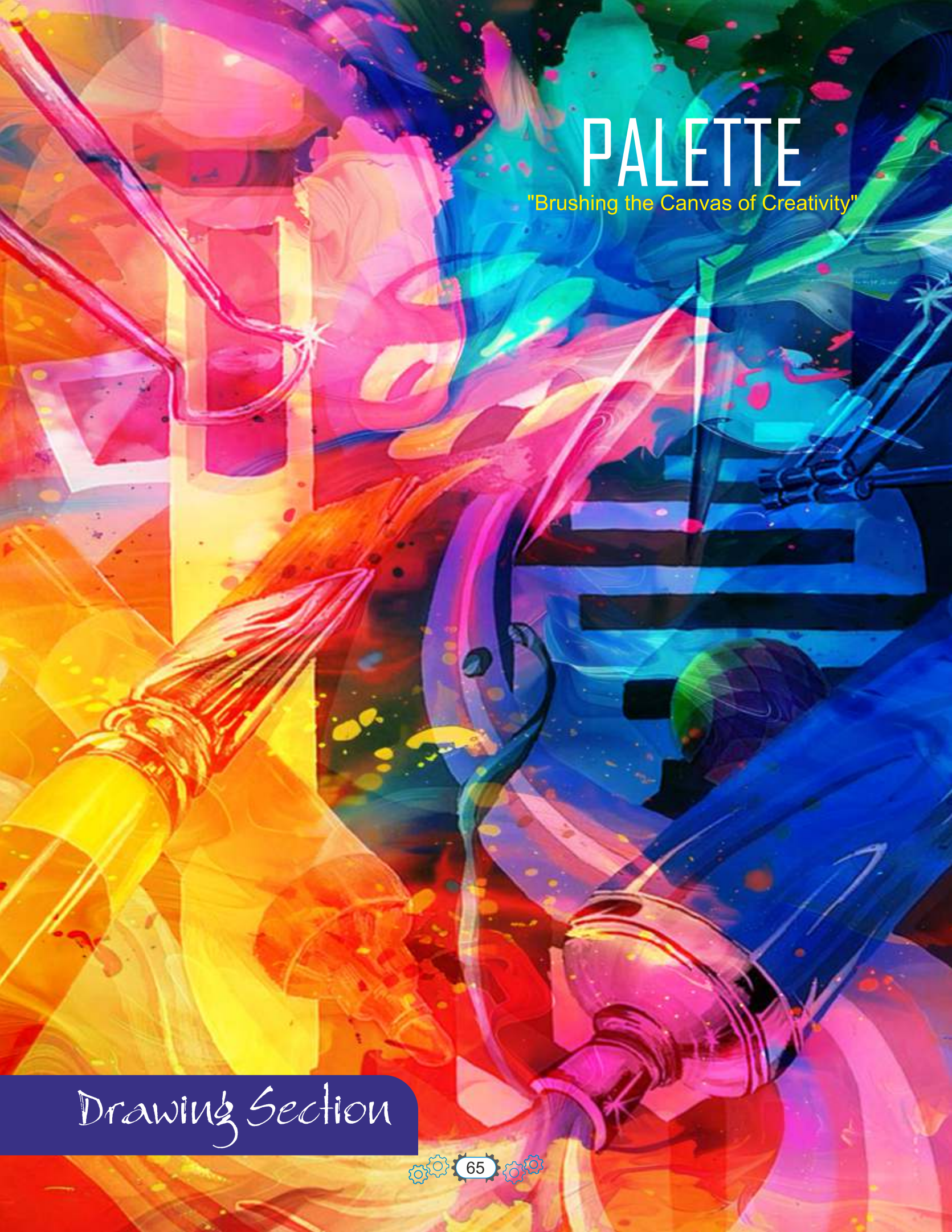
सोनम कुछ दिनों तक ऐसे ही पड़ी रहीं तब उसकी माँ ने उससे कहा कि – ङ्कयदि तुम्हे अपने पिता को गलत साबित करना है तो तुम्हें उठना होगा और कुछ कर दिखाना होगाङ्ख. तब उसने हिम्मत करते हुए अपने शरीर में लगी सारी पट्टियाँ हटा दी और उठ खड़ी हुई और रोज प्रयास करते हुए कुछ महीनों बाद वह चलने भी लगी.

कोशिश करते – करते उसने धीरे – धीरे सफलता की ओर कदम बढ़ा लिया और वह देखते ही देखते एक बहुत बड़ी क्रिकेटर बन गई और उसने अपने पिता की यह बात गलत साबित कर दी कि लडकियाँ कुछ नहीं कर सकती. इस तरह सोनम ने अपने हौसलों की उड़ान को कभी नाकामियाब नहीं होने दिया .इस कहानी की शिक्षा यह है कि जिस तरह सोनम ने अपने हौसलों को कभी कम नहीं होने दिया एवं कोशिश करते हुए हर मुश्किलों का सामना कर आगे बढ़ती रही और कमियाबी की उड़ान भरी. उसी तरह हमें भी कभी हार नहीं माननी चाहिए हमेशा कोशिश करते रहना चाहिए, क्यूकि हौसलों की उड़ान कभी नाकामियाब नहीं होती. कोशिश करते रहने से एक ना एक दिन हमें कमियाबी जरुर हासिल होती है. इस कहानी से उन लोगों को भी शिक्षा मिलती है जो सोनम के पिता कि तरह यह सोचते है कि लडकियाँ कुछ नहीं कर सकती और ऐसे खेल लड़कियों के लिए नहीं बने हैं. –

हर्षदा नितीन अष्टेकर

बी. ई. (ईएंडटी.सी)

जल्दी सोना और जल्दी उठना इंसान को स्वस्थ, समृद्ध और बुद्धिमान बनाता हैं।



PALETTE

"Brushing the Canvas of Creativity"

Drawing Section

From the Editor's Desk

'ABHIYANTA' -With the idea of victory in our minds ,we started crafting of our college magazine.

To me being a part of Magazine Committee was a beautiful process. I was appointed as the Head of Drawing Section. Art , craft , decoration, painting is all my cup of tea and it give me immense pleasure and pride to work on the same.

Taking in concern the theme we came up with many innovative and creative ideas related to drawing and painting. This responsibility not only enhanced my drawing skills but also taught me working with teammates, managing things, putting them together, encouraging students to come ahead and share their drawings, etc.

Special thanks goes to my teammates for their constant suppor and investing their full effort in achieving the goal.

Happy reading ahead.

Thankyou!!

ISHA VETAL
(Editor-Drawing section)
TE-2 E & TC

Prof. Dr. S. L. Kore

Left to right - Amruta rokade, Shreeya kumbhar
Isha vetal, Aishwarya kopulwar, Saee patil
Sanika tarkunde

Shreya Kumbhar BE - I

Aishwarya Kopulwar BE-2

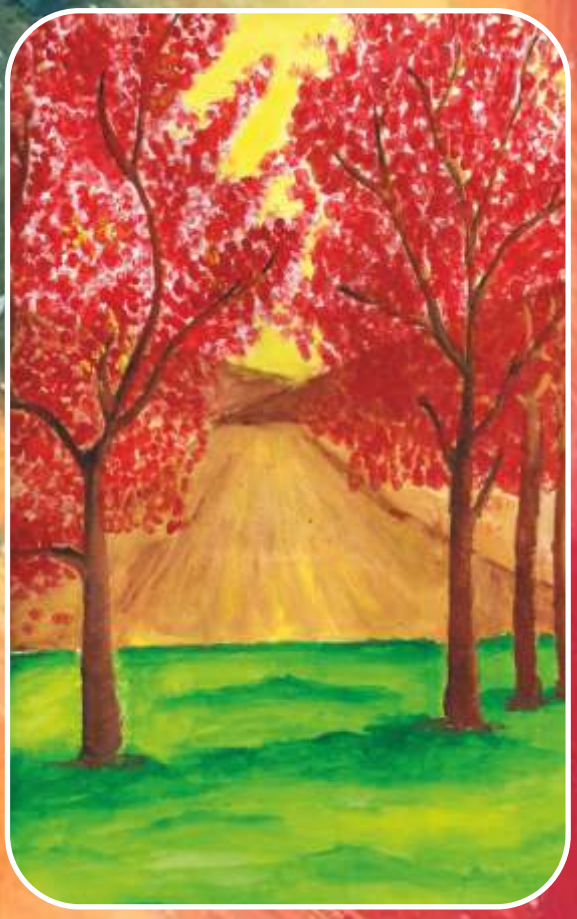
Aishwarya Kopulwar BE-2

Sanika Tambe FE-III

Monsi Pathan BE-2 E & TC

"The purpose of art is washing daily life off our souls." – Pablo Picasso

Aishwarya Kopulwar BE-2



Priyanka Ambekar FE -1

Saishri Mane FE - 1

Sanika Tambe FE-III

Priyanka Ambekar FE-I

"Write without fear. Edit without mercy."

Saishri Mane FE - 1

Priyanka Ambekar FE -1

Saishri Mane FE - 1

Saishri Mane FE - 1

Saishri Mane FE - 1

Saishri Mane FE - 1

"To love a creative life, we must lose our fear of being wrong."– Joseph Chilton Pearce

Shreya Kumbhar BE -2

Aishwarya Kopulwar BE-2

Isha Vetal BE - 2

Priyanka Ambekar FE-I

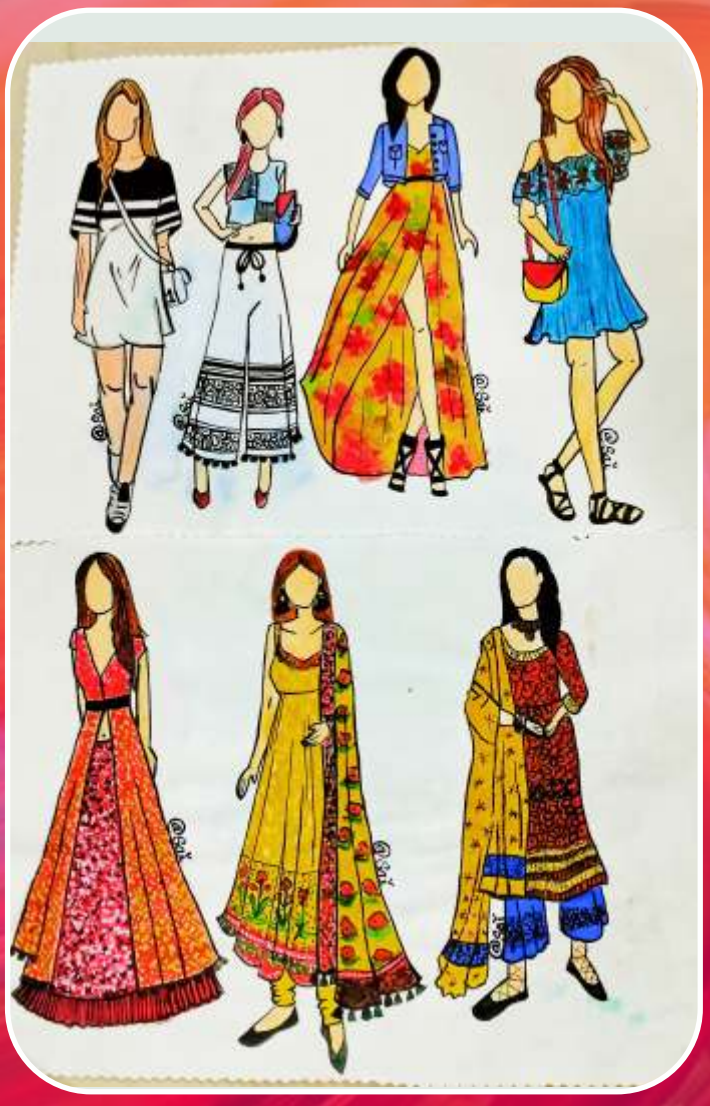
Priyanka Ambekar FE-I

Priyanka Ambekar FE-I

Priyanka Ambekar FE-I

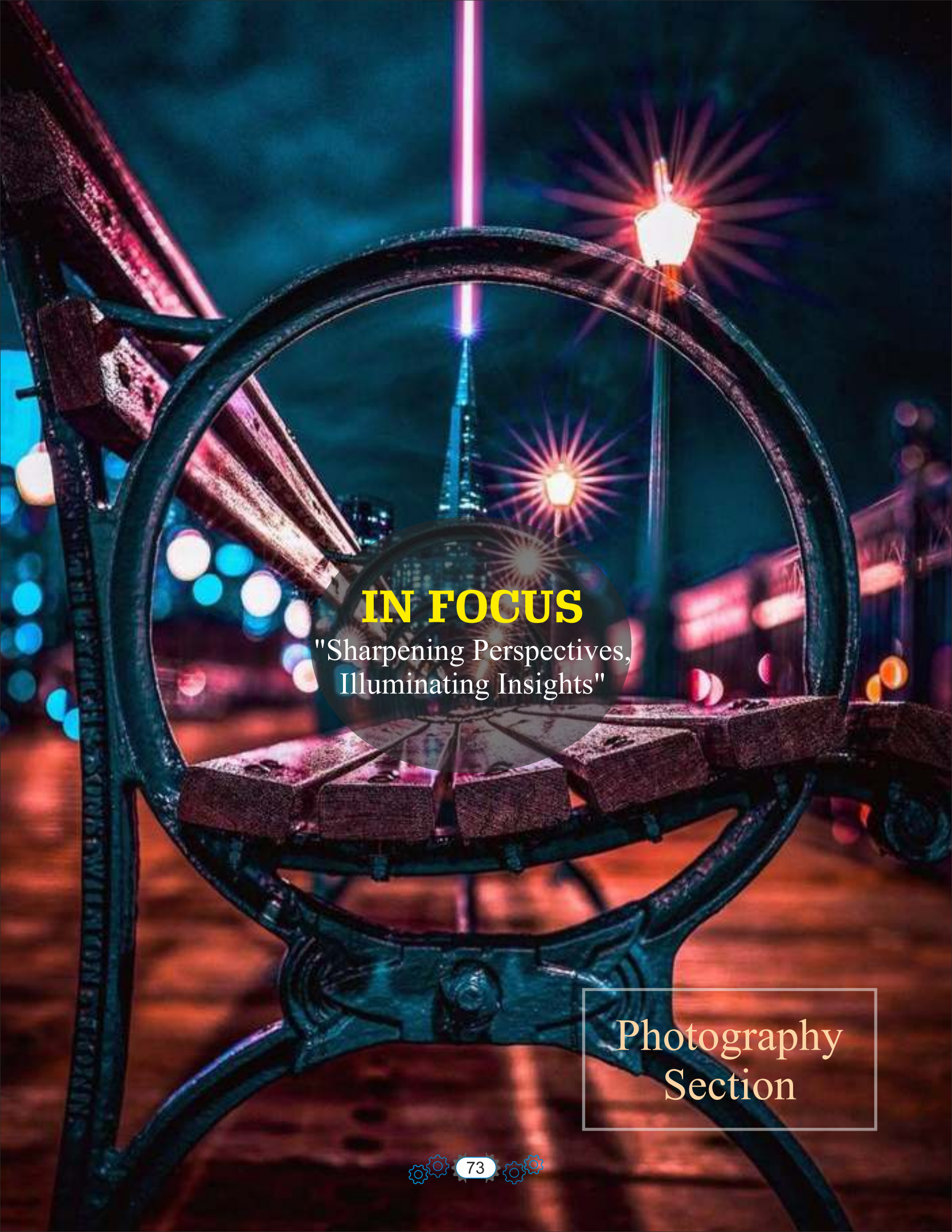
Saee Vijay Kad BE-I

Saee Vijay Kad BE-I



Saishri Mane FE-1

Saee Vijay Kad BE-I



IN FOCUS

"Sharpening Perspectives, Illuminating Insights"

Photography Section

From the Editor's Desk

As the editor of the photography section of our college magazine, I am excited to share with you the amazing talent and creativity of our student photographers. In this section, "Chitragrahini Drishti", we will showcase the best of their work, highlighting the diverse perspectives and techniques that make photography such a captivating and powerful art form.

Whether it's capturing the beauty of nature, telling stories through photojournalism, or expressing personal visions through creative compositions, our student photographers bring a unique energy and passion to their work. In each issue, we will feature their photos and share their inspirations, as well as offer tips and tricks for aspiring photographers.

Our goal is to provide a platform for students to showcase their work, share their experiences, and connect with others who share their love of photography. So whether you're an experienced photographer or just starting out, we invite you to join us on this journey through the lens.

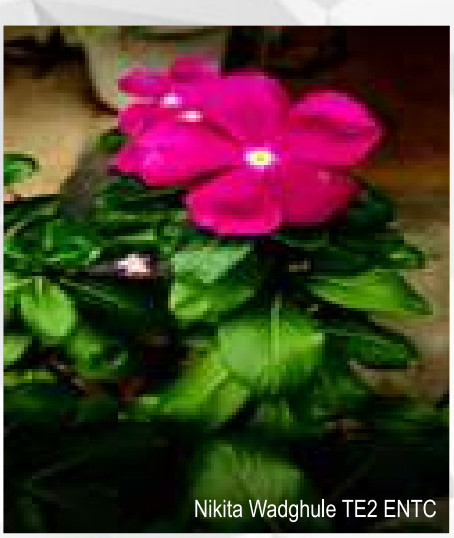
I am thankful to Prof. K.R. Chaudhari, co-ordinators and the entire team for the opportunity to submit my work. Also I am grateful to all those who shared their amazing ideas for magazine.

Madhura Lad
BE E&TC

Prof. K.R.Chaudhary

Bottom - left Madhura Lad
Bottom right - Vaishnavi Jagdale
Left to right - Nandita patil, Riddhi gole, Shruti memane


Gayatri Yeole BE-I E & TC

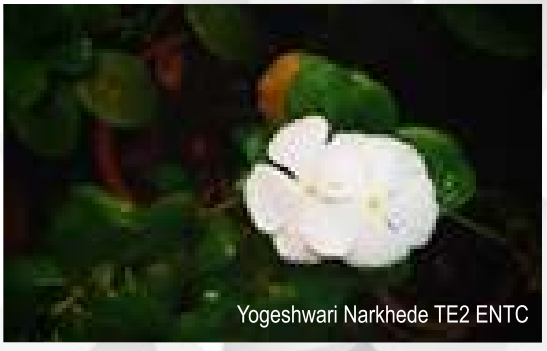

Nikita Wadghule TE2 ENTC


Tanushree Velapure TE2 ENTC


Isha Patil TE2 ENTC


Sonal Kulkarni TE1 ENTC


Hrucha Gohad BE2 ENTC


Yogeshwari Narkhede TE2 ENTC

A camera is a Save button for the mind's eye.

Life is like photography ,We develop from NEGATIVE.

Mansi Pathak BE2 ENTC

Ananya Wagh TE2 ENTC

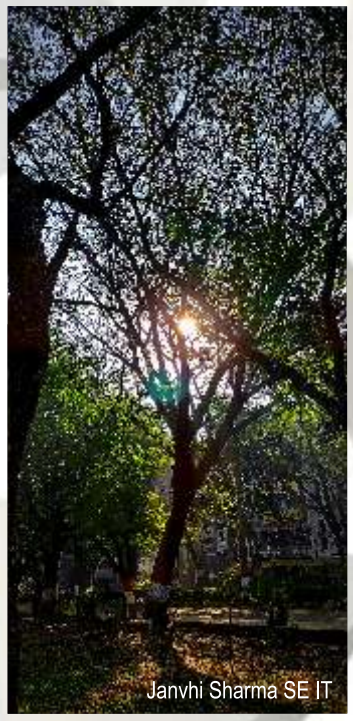
Mansi Pathak BE2 ENTC

Samruddhi Kale SE1 ENTC

Mansi Pathak BE2 ENTC

Shruti Singh BE2 ENTC

Every picture has a story to tell.


Janvhi Sharma SE IT


Tanushree Velapure TE2 ENTC


Vrunda Bohra SE COMP


Ananya Wagh TE2 ENTC


Sakshi Burrewar BE1 ENTC


Unnati Bildikar SE1 ENTC


Hrucha Gohad BE2 ENTC

For every photograph taken there is one less moment forgotten.

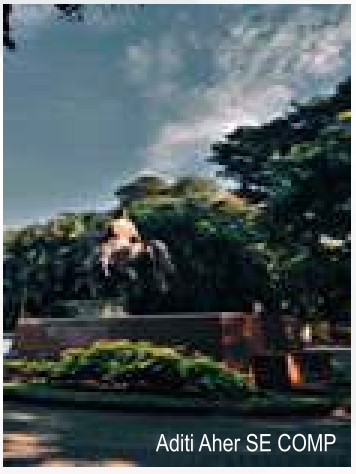

Aditi Aher SE COMP


Chetna Dusane BE1 ENTC


Anusha Pawar BE III


Sonal Kulkarni TE1 ENTC


Isha Patil TE2 ENTC


Aditi Aher SE COMP


Shruti Singh BE2 ENTC

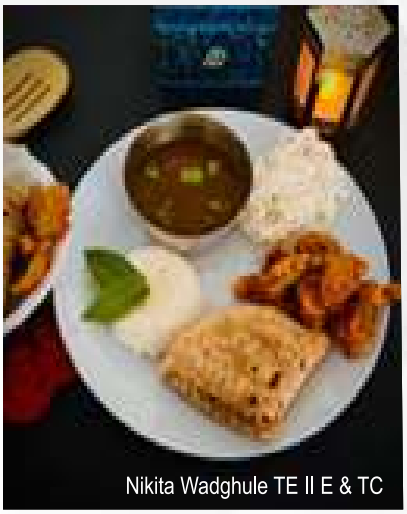

Isha Patil TE2 ENTC

Don't just chase your dreams…run them down!


Saee Kad BE1 ENTC


Sarah Shaikh TE2 ENTC


Saee Kad BE1 ENTC


Nikita Wadghule TE II E & TC


Saee Kad BE1 ENTC


Yogeshwari Narkhede TE2 ENTC

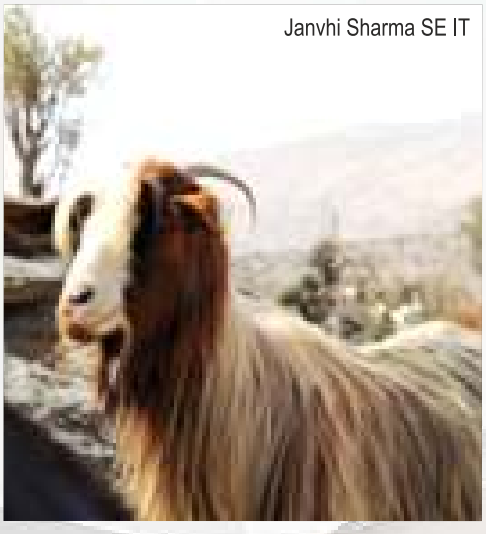

Saee Kad BE1 ENTC

The will to win is important, but the will to prepare is vital.


Janvhi Sharma SE IT


Janvhi Sharma SE IT


Dipashree Akkalwar BE COMP


Janvhi Sharma SE IT


Janvhi Sharma SE IT


Samruddhi Kale SE1 ENTC

"When everyone else says you can't, determination says, "YES YOU CAN"."

MOSAIC

"Crafting Diversity into
Artful Harmony"

Miscellaneous Section

From the Editor's Desk

Ayurveda is one of the prominent traditional systems that has survived and evolved till date. This system will continue to flourish in the next age due to the vast knowledge of nature-based medicine, the relationship of the structure and function of the human body to nature, and the elements of the universe that work synergistically and affect living beings.

Researchers, practitioners and experts in this field still have to find many ways to keep traditional systems of medicine (TSMs) alive and contribute to their growth in the future. However, due to several barriers such as lack of literature sources in different languages and lack of awareness of the fundamentals and histories of systems of different ethnic origin, there is a lack of information exchange from systems around the world.

Knowledge of systems of different ethnic origin will lead to exchange of knowledge and increase understanding of different systems and this can ultimately contribute to the integration and advancement of herbal medicine research with collaborative work of researchers from different countries. These future goals can be met when one gains insight into the system, principles, and history, and works on strengthening aspects that are common to various TSMs.

To date, there have been many detailed examinations of Ayurveda. However, very few reviews detail the basic principles and historical practices of Ayurveda.

I'll be thankful to Prof. V. P. Mulik, Prof. A. P. Yadav and Prof.S.B.Jadhav ,co-ordinators and entire team for giving me this opportunity. Also I am grateful to all those who shared their amazing ideas for magazine.

I'm sure you'll really enjoy reading these.

Pooja Gophane

BE-2 Entc

L to R Staff Names Prof. V. P. Mulik, Prof. Dr. S. S. Jadhav, Prof. A. P. Yadav

Left to right - Arya Balpande (SE IT), Sophia Inamdar (SE ENTC),
Namrata Totawar (Co-editor), Ruchita Uttekar (Editor),
Sanjana Khadakabhavi (Co-editor), Janhavi Jagtap (SE COMP)

Engineer's Corner: Cracking the Code of Humor

- **Why did the computer catch a cold?**

  Because it had too many windows open!

- **Why was the math book sad?**

  Because it had too many problems.

- **Why don't programmers like nature?**

  It has too many bugs.

- **Why do engineers make bad DJs?**

  Because they always mix things up!

- **Why do programmers always mix up Christmas and Halloween?**

  Because Oct 31 == Dec 25 (In programming, Octal 31 is equal to Decimal 25).

- **Why did the software engineer go broke?**

  Because he used up all his cache.

- **Why did the computer catch a cold?**

  Because it had a bad case of the Windows!

- **What's an engineer's favorite type of tree?**

  A "binary" tree, because it's always branching out!

- **Why don't electrical engineers get invited to parties?**

  Because they can't find the right "current" mood!

- **Why did the engineer go to therapy?**

  Because they had too many "issues" to resolve.

- **What do you call a group of introverted engineers?**

  A socially disconnected network.

- **Why did the engineer stay calm during the earthquake?**

  Because they knew it was just a "vibration analysis.

Name – Ruchita Uttekar

Roll NO - 41269

DIV- BE2 ENTC

Innovation only comes from making mistakes and learning

Futuristic Transportation: Hyperloop and Beyond

With high speeds potentially reaching up to 700mph on the ground, Hyperloop technology will revolutionise the way passengers travel forever and will severely disrupt competing industries many years in the future.

Hyperloop travel, which witnessed its first significant development in 2013 with Elon Musk's white paper, continues to receive investment and innovation from multi-billion-dollar companies. Virgin has become a leader in the field, having tested the first-ever human hyperloop in November 2020. The first passenger tube is estimated to become fully operational by 2030, with the Pune-Mumbai infrastructure project being the front-runner for the grand opening.

Hyperloop meets demand for faster and more sustainable travel

Research shows that travellers want both convenience and to protect the environment. According to GlobalData's Q1 2021 consumer survey, 76% of respondents said they were either 'always,' 'often,' or 'somewhat' influenced by how environmentally friendly a product is. Additionally, a further 61% of respondents from GlobalData's 2019 tourism consumer survey said that they seek out travel products that save time. However, under the current travel industry climate, it is not feasible. Rail transport is significantly slower than air transportation but much cleaner. However, air travel, despite being much quicker, has a devastating impact on the environment. Hyperloop transportation will threaten to break that barrier in the future as it can offer a cleaner and faster alternative.

The hyperloop concept involves passenger pods travelling through pressurised tubes using an electric propulsion and magnetic levitation. The propulsion, lack of air pressure and levitation, results in the pod tackling very little resistance allowing it to reach extremely high speeds using little energy. Speeds of up to 700mph have been theorised, with engineers concluding that it is very much within current technological capabilities over the next five to ten years. With many countries such as the UK, Japan and China pledging to achieve net-zero emissions by 2050, Hyperloop travel offers a feasible alternative to domestic air travel

Autonomous Vehicles

Autonomous cars are coming and coming fast. Every major car company has autonomous cars under development. By 2035, it's expected there will be more than 54 million autonomous cars on the road, and this will change everything.

Saved Lives: There are 1.2 million people killed every year in car accidents. Autonomous cars don't drive drunk, don't text, don't have Alzheimer's, and don't fall asleep at the wheel.

Reclaiming Land: You can fit eight times more autonomous cars on our roads, making their land use more efficient. In Los Angeles, it's estimated that more than half of the land in the city belongs to the cars in the form of garages, driveways, roads, and parking lots.

Saved Energy: Today, we give close to 25 percent of all of our energy to personal transportation, and 25 percent of our greenhouse gases are going to the car.

Saved Money: Get rid of needing to own a car, paying for insurance and parking, trade out 4,000-lb. cars for lighter electric cars that don't crash, and you can expect to save 90% on your local automotive transportation bill.

Best of all, you can call any kind of car you need, when you need it. Need a nap? Order a car with a bed. Want to party? Order one with a fully-stocked bar. Need a business meeting? Up drives a conference room on wheels.

Robotics and Virtual Worlds

In the US alone, business travel spending will top $310 billion in 2015 (Global Business Travel Association), or about 490.4 million business trips.

The idea of having to schlep your "meat body" from one location to another for a meeting will soon be old-school.

Instead you'll plug into a virtual world, or use a Beam robot to connect virtually. Already, Facebook, Google, Microsoft, Sony, HTC, and Suitable Technologies are spending billions of dollars to develop the hardware and perfect the experience.

Beyond the advantage of saving serious cash and time flying from LA to NY, meeting someone "in person" will ultimately be a disadvantage. When I'm speaking to you over a virtual link or telepresence robot, I can watch your pupillary dilation, have my system pull up and recall facts about our last conversation, and enrich my interaction with you in countless ways.

In the next decade, you will attend conferences, meetings, interviews, keynotes and maybe even dates by telepresence and virtual worlds. Just the advantage of avoiding a full cavity search courtesy of airport TSA makes it worth it.

For me, I have 15 Beam robots between my offices at XPRIZE (Los Angeles), Singularity University (Mountain View), Human Longevity Inc. (San Diego), and Planetary Resources (Seattle). In a single day, I'll routinely hop between four cities with a click of a button.

Point-to-Point Aerial Transport

As alluded to above, some version of the flying car is coming. This is being enabled by the intersection of three converging technologies: high energy density batteries, autonomous navigation powered by differential GPS, and lightweight, high-strength materials.

The XPRIZE Foundation is working on a multimillion dollar Transporter XPRIZE to inspire progress in this arena.

Various designs are under development by a number of companies focused on the creation of personal transportation machines with vertical takeoff, vertical landing capability — think of human-carrying electric quadcopters. Something you can step into and tell it, "Please take me to downtown LA." It then lifts you up, and flies you at 500 feet to your destination.

One company, Zee Aero, is rumored to be funded by Google. This flying car can take off and land vertically using a plethora of small electric motors turning four-bladed propellers and is narrow enough to fit into a standard shopping center parking space.

Another design, e-volo's Volocopter (pictured above), is an electric two-passenger, 18-rotor vehicle.

I call these "flying cars" or "human carrying multi-copters" for point-to-point transport. They are a mix between a personal jet pack and your own autonomous, electric helicopter-on-demand.

For crowded cities, they are a godsend. But for places like Africa which has no passable roads (especially during rainy season), these future Transporters are the equivalent of Africa skipping the copper-line phone system and going straight to wireless.

The future of transportation is an exciting one — and a faster, cheaper, safer, cleaner, and more fun one.

Reference:

- https://www.railway-technology.com/comment/hyperloop-future-disruptor-tourism/#catfish
- https://singularityhub.com/2015/06/28/the-future-of-transportation-flying-cars-hyperloop-and-virtual-worlds/

Name: Sanjana Ashok Khadakabhavi

BE1 41166

"Navigating Cultural : Language and Etiquette in a Globalized World"

In our interconnected global landscape, effective communication extends beyond mere words. It embraces cultural nuances, unspoken cues, and a deep respect for diversity. The intricate dance of language and etiquette becomes a bridge connecting individuals from different corners of the world, fostering understanding and harmony.

Language, a powerful tool of expression, is intertwined with culture. Beyond conveying information, it embodies the values, history, and identity of a community. Understanding and using a few key phrases in someone's native language can forge an instant connection, demonstrating an appreciation for their culture.

Equally important is mastering the art of etiquette. Each culture has its own set of social norms and protocols that shape interactions. From the way greetings are exchanged to the subtleties of body language, cultural awareness ensures smooth interactions and prevents unintentional misunderstandings.

In a multicultural business world, the mastery of language and etiquette is a professional asset. It can seal deals, create partnerships, and foster trust. However, the lack of sensitivity can lead to missed opportunities or even offense. Embracing these nuances enriches not only our personal interactions but also our professional endeavors.

Technology has brought us closer, but cultural gaps persist. As we explore the uncharted waters of a globalized world, let us navigate them with a compass of respect for languages spoken and customs observed. By embracing the beautiful mosaic of languages and etiquettes, we celebrate the rich tapestry of humanity.

Name: Namrata Totawar

BE2 E & TC

All that we are is the true result of all we have thought

Choices

I read this story a few days before and I want to share it with everyone.

Once there was a family living a mediocre middle-class life, there were two sons, mother and father. Father was an alcoholic and very abusive and was very irresponsible towards his family. After some time when the sons grew up, they had two choices in front of them and each of them choose the differ path. One took the same steps as his father made same choices as him and ended up like his father and the other one did everything to never become like his father and make his and his mother's life better and he actually did it. He studied hard got a nice job had a nice loving family. The only reason both the sons with same upbringing, same family, same opportunities ended up so differently is because the choices they made in their life. The need, the hunger of that son to make his life better was bigger than the circumstances but the other son always blamed the circumstances, his family and his father. See the only thing in life which matters is our choices. The path we choose in life matters, at every step-in life we are offered with choices one right and one wrong, one easy one hard, one to work hard to overcome everything and one to blame every external parameter but never to take a single step to overcome those situations. I would encourage each and every one of you to always go for those choices in life which makes your life better. You deserve every good thing in life, you are powerful, you should accept yourself, everything will be okay, you are strong, you will achieve your goals and dreams, you can do it. I know and I understand that things can be difficult and sometimes results can take time to show but always remember slow progress is better than no progress. Stay positive and never give up.

VAIDEHI PATIL

BE-2 E&TC

Science and religion are not at odd, science is simply young to understand

Engineering in Pop Culture

It is amazing how often engineering concepts (or engineered products) have been incorporated into popular culture. In this article, we consider the impact of engineering on popular films and vice-versa.

When science or engineering is at the heart of a film, a lot of work has to be done to ensure that while some elements may be far-fetched, they are part of a plausible future reality. Most famously, Steven Spielberg had sought the advice and knowledge of various engineering and technology experts in 1999 to help shape the future-scape of his hit film Minority Report, released in 2002. The film was set in 2054, and is an example of collaboration between filmmakers and engineers that can lead to depictions of some of the most realistic products and gadgets we can find today.

How much have sci-fi devices inspired engineering innovations in real life? And when fictional devices from films cross over, back into real life, can they, or do they, live up to their on-screen counterparts?

Could the Communicator and Combadge be used today?

It is widely recognised that Martin Cooper, an American electrical engineer, working at Motorola in the 1970s was watching Star Trek's Captain Kirk using his communicator, when it inspired him to think more about person-to-person communication without the use of a land-line. He led the team of engineers to develop the world's first truly handheld, commercial mobile phone – the DynaTAC 8000x – released in 1973. It was a bulky device, took 10 hours to charge and had very short battery life, but it was the beginning of the mobile phones we now rely on every day. By 1996 Motorola had released the StarTAC, the first flip phone which had a striking resemblance to the communicator. The emergence of smaller and smarter mobile phones have, in part, been based on the very real technological and engineering advances in antennas, processor chips, electromagnetic radio waves and base stations to name just a few elements.

If Star Trek's Communicator has become a reality via our mobile phones – how about the Combadge? Unsurprisingly, this has also become available in recent years. The arrival of Bluetooth technology had spurred many companies and engineering entrepreneurs to work out how to incorporate the communication system into a small device and connect it to a smartphone. These products (ideally pinned to the left breast for maximum replication) can enable us to make and receive calls (through its built-in speakers and noise cancelling microphones) with a tap or two of the device – just like in the films. Use of voice-activated systems and AI have also allowed the manufacturers to bring close to life this once fictional device.

What the future holds

Of course, these are not the only films where fictional engineering have pre-dated (or even spurred on) real-life equivalents in some way. From 1985's Back to the Future (video calling, flat-screen televisions and wearable tech) to 2002's Minority Report (driverless cars, personalized ads and voice-automated homes) films have continuously shown us that they can predict future products with unnerving accuracy.

There are some items that are a few years away, but could they still become real? Camouflaging vehicles like James Bond did in Die Another Day (2002) are not ready just yet, but various military organisations are working on the idea. And flying cars from Back to the Future may not be here yet, but we do have flying drones which are being tested to carry people…so expect to see them in a not-too-distant future near you.

Reference:https://newengineer.com/blog/engineering-in-pop-culture-1510853

Name : Sanjana Ashok Khadakabhavi

BE1 E& TC

"Art Therapy Unveiled"

Amid the tapestry of therapeutic approaches, art therapy stands as a unique and vibrant thread, weaving together the worlds of creativity and emotional healing. This innovative practice harnesses the power of artistic expression to facilitate profound transformations, offering individuals a safe and sacred space to explore their inner landscapes.

At its core, art therapy recognizes that the act of creation is inherently therapeutic. Through painting, drawing, sculpting, and other artistic mediums, individuals can channel their emotions, thoughts, and experiences onto the canvas, creating a tangible representation of their inner world. This process is akin to a visual language—a bridge between the often complex terrain of the psyche and the external world.

One of the remarkable aspects of art therapy is its ability to bypass the limitations of verbal communication. For those who struggle to articulate their feelings or past traumas, art provides a nonverbal outlet for expression. It allows buried emotions to rise to the surface, inviting a dialogue between the conscious and subconscious mind.

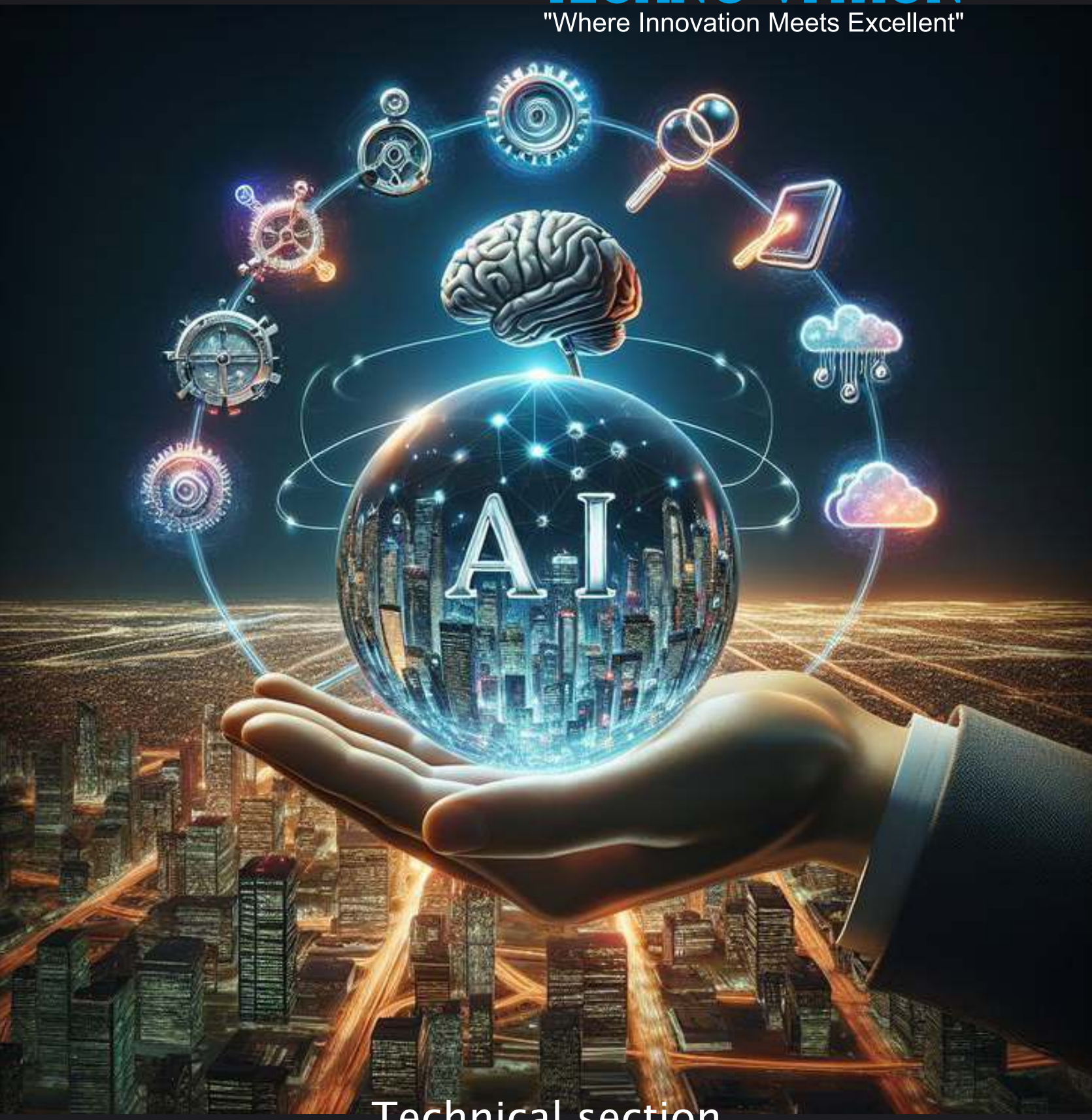
In the nurturing cocoon of art therapy, individuals can confront their struggles, process their emotions, and rewrite their narratives. It is a realm where judgment and self-critique yield to self-compassion and self-discovery. Guided by trained art therapists, clients embark on a journey of introspection, using color, shape, and texture to unlock layers of their being.

Art therapy's effectiveness spans a diverse range of challenges, from anxiety and depression to trauma and grief. It empowers individuals to confront their shadows and reclaim their agency, transforming pain into resilience. As brushstrokes blend with feelings, and clay molds into catharsis, the healing journey unfolds on the canvas.

In a world that often rushes past introspection, art therapy unveils the profound wisdom of creative expression. It reveals that within the strokes of a paintbrush or the molding of clay lies the alchemical process of healing—a testament to the enduring power of art to mend, restore, and illuminate the human spirit.

Namrata Totawar

BE 2 E & TC



Technical section

From the Editor's Desk

Name of Section: TECHNOVATION

Editor's Message:

College Magazine Oyster'23 reflects the theme ' ABHIYANTA'.It's my immense pleasure to be part of this magazine. It comprises the Technical section of 'TECHNOVATION'. Technovation is a combination of Technology and Innovation.

The advancement of technology has played an important role in the development of human civilization, along with cultural changes. Technology provides innovative ways of doing work through various smart and innovative means. With technology we can achieve the unimaginable.

We cannot escape technology. It has improved the quality of life and brought about revolutions in various fields of modern-day society, be it communication, transportation, education, healthcare, and many more. This section will take you through various advancements in technology.

Hence, it is my privilege to work as editor of this technical section. I would encourage all my team members and my mates to be more invested in technology through this magazine.

Last but not least I would like to extend my thanks to all the mentors who guided me throughout the process.

" Technology can become the "wings" that will allow the educational world to fly farther and faster than ever before – if we allow it."

- Utkarsha Vasantrao Kakade

(TE IT)

From left to right:
Prof. Dr. S.M.Jagdale,
Prof.M.A.Rane,
Prof.Dr.S.A.Dhole

Left to right : Gayatri Kavade, Gayatri Temgire, Shriya Lakhe, Anushka Choughule, Shrusti Halge, Tabbasum Pathan. Khushboo Bedwal, Gargee singh, Shreya Dhadse, Devanshi Koushal, Firdos Maniyar

EDGE COMPUTING: SHAPING THE INSTANT FUTURE OF DATA

Edge computing has become a game-changer in the continuously changing digital landscape, revolutionizing how we process and analyze data. Edge computing runs locally, close to the data sources, in contrast to typical cloud computing, which is dependent on centralized servers. This closeness enables blazingly quick data processing, which makes it perfect for applications demanding real-time answers. Various industries can clearly see how edge computing is having an influence. Real-time analytics have increased productivity, decreased downtime, and increased efficiency in manufacturing. Edge computing is used in smart cities to better control traffic and increase public safety. Retailers use it to provide specialized recommendations and personalize in-store shopping experiences based on customer preferences. The technology's scalability becomes clear when more devices effortlessly join into the edge ecosystem. The effective use of bandwidth by edge computing is one of its main benefits. It is crucial for applications like remote sensor networks and live streaming because it lessens the load on network resources by processing data locally. Across industries, this capability enables predictive maintenance, increasing operational efficiency and lowering costs. Edge computing boosts user experiences in addition to industrial process improvement. Edge computing's reduced latency, for example, enables seamless interactions with augmented reality and online gaming. Complex analysis can be performed on edge devices with artificial intelligence (AI) when integrated, as opposed to depending on centralized servers.

Instant AI-powered diagnostics are produced by this synergy, which is highly innovative in the healthcare industry. Edge computing supports initiatives to produce more environmentally friendly gadgets by consuming less energy, aligning with the increased emphasis on environmental sustainability in technological development. This assistance goes beyond speed and efficiency. Edge computing will still be gaining pace in 2023. Its capabilities are further enhanced by the incorporation of 5G networks, allowing for realistic augmented and virtual reality experiences. Edge computing has substantial advantages for the Internet of Things (IoT), since it enables connected devices to process data locally, lowering latency and bandwidth requirements. Edge computing has enormous potential, but it also has its own unique set of difficulties. One of the most important factors for businesses adopting this technology is device management. Other important factors include assuring data consistency and security at the edge. For it to reach its full potential, these issues must be resolved. In a nutshell by bringing data processing closer to the source, edge computing is revolutionizing the way data is processed. Its impact may be seen in a variety of industries thanks to its uses in manufacturing, healthcare, retail, and more. Edge computing offers a future where quick, safe, and localized data processing becomes the norm, opening up new opportunities in technology and data utilization as it continues to develop, led by AI and 5G integration.

- Diksha Raina (TE IT)

Men love to wonder, and that is the seed of science

TESLA'S INDIAN ODYSSEY: SHAPING THE FUTURE OF ELECTRIC MOBILITY

Tesla's anticipated entry into the Indian market has caused both excitement and caution. It plans to set up a manufacturing facility in Pune, Maharashtra. This move brings both hope and challenge to the Indian automobile industry. Tesla's commitment to environmental sustainability is extraordinary. With zero tailpipe emissions, Tesla electric vehicles (EVs) can significantly contribute to improving air quality and reducing the carbon footprint associated with pollution problems and emissions in the country. Additionally, Tesla's reputation as a technology leader could support the advancement of India's auto industry by encouraging local businesses to adopt the technology. But there is also competition. Tesla's high price may limit access to a wider Indian audience. The development of EV charging equipment will not match the convenience of other countries. Competition in the Indian auto market is fierce and Tesla needs to position itself well, including on local preferences and price.

The success of Tesla India's joint venture will depend on several factors: government policy to promote electric vehicles, infrastructure (including payment network) and business need for electric cars. Tesla's ability to solve these problems and improve its strategy will impact the growth of the Indian EV market. Building on Maharashtra's selection, Pune provides Tesla with access to skilled workers, a supportive R&D ecosystem, and proximity to major cities and transportation. Building factories here can support job creation, attract related businesses and foster new partnerships. However, the Pune location presents management challenges and challenges for large projects in India. Tesla also needs to take into account local preferences and trends to modify its products while maintaining its brand name. Collaboration with Indian government agencies and local partners can help

address infrastructure challenges, especially when it comes to payment networks. This cooperation can accelerate development and create a favorable environment for the use of electric vehicles. In short, Tesla entered the Indian market with great potential from its Pune manufacturing facility but also faced problems. Success depends on Tesla's ability to adapt, collaborate effectively and deliver innovative, affordable solutions that will appeal to Indian customers. If done right, Tesla can be a transformative force in India's journey towards sustainable transportation and technology. Observing Tesla's progress and interactions in the Indian market will give insight into the future of electric vehicles in the country.

- Bhagyashri Zende

(TE II E&TC)

AI VOICES ARE HARD TO SPOT EVEN IF YOU KNOW AUDIO MIGHT BE A DEEPFAKE

Deepfake audio can trick people even when they know they might be hearing an AI-generated voice – AI-powered detectors may need to step up to help people distinguish deepfakes from authentic human speech. Even when people know they may be listening to AI-generated speech, it is still difficult for both English and Mandarin speakers to reliably detect a deepfake voice. That means billions of people who understand the world's most spoken languages are potentially at risk when exposed to deepfake scams or misinformation.

Kimberly Mai at University College London and her colleagues challenged more than 500 people to identify speech deepfakes among multiple audio clips. Some clips contained the authentic voice of a female speaker reading generic sentences in either English or Mandarin, while others were deepfakes created by generative AIs trained on female voices. The study participants were randomly assigned to two different possible experimental setups. One group listened to 20 voice samples in their native language and had to decide whether the clips were real or fake. People correctly classified the deepfakes and the authentic voices about 70 per cent of the time for both the English and Mandarin voice samples. That suggests human detection of deepfakes in real life will probably be even worse because most people would not necessarily know in advance that they might be hearing AI-generated speech.

A second group was given 20 randomly chosen pairs of audio clips. Each pair shows the same sentence spoken by the human and the skin, and participants are asked to write the fake letter. Although the team admitted that this made the listeners useless, search accuracy increased to over 85%. "This setup does not represent the real situation," Mai said. "Listeners are not told in advance whether what they are hearing is true or not, and characteristics such as the speaker's gender and age may influence the search." . said the target, Hany Farid of the University of California, Berkeley. In real life, it is important to determine the real voice of a particular speaker: Scammers have copied the voice of company executives in order to trick employees into transferring money, and documents have been published Unauthorized articles. A well-known political figure on social media networks.

Dhanashree Kadam

(TE I E&TC)

Somewhere, something incredible is waiting to be known

UNLEASHING THE POTENTIAL OF QUANTUM COMPUTING: A GLIMPSE INTO THE FUTURE

In the ever-evolving technological advancement, innovations promise to redefine the boundaries of computing and problem solving. Quantum computing is a field based on the legendary field of quantum mechanics that promises to unleash unprecedented computing power. As scientists and researchers delve deeper into the complexity of quantum systems, the future is characterized by exponentially faster computing and emerging revolutionary applications. Quantum computing is not an incremental advance; It has the ability to change calculations. Quantum computing uses the principles of quantum mechanics to process data in a way that overcomes the limitations of classical computing. Unlike normal objects, which can be 0 or 1, qubits or qubits can exist in more than one state at the same time, thanks to a phenomenon called superposition. Additionally, qubits can interact and interact with each other in ways not possible with ordinary objects. These unique properties allow quantum computers to perform complex calculations at speeds currently unimaginable with classical computers. Tasks such as generating large numbers, simulating quantum systems, and optimizing complex processes can be performed by quantum algorithms. For example, quantum computers have the potential to revolutionize cryptography by easily breaking encryption techniques, thus supporting the need for new quantum-resistant encryption techniques. In drug discovery and data science, quantum simulations can precisely reveal the behavior of molecules and materials, enabling new drugs and advanced knowledge.

Optimization challenges in areas such as logistics, finance and supply chain management can be solved more effectively, resulting in cost savings and better decision-making. Additionally, artificial intelligence and machine learning algorithms can be further expanded, allowing machines to learn and process data faster than ever before. IBM, Google and other companies have developed quantum processors with increased qubit counts and improved correlation times. But quantum computing still faces challenges. Qubits are very fragile and susceptible to decoherence, a process that destroys quantum states. The safety and reliability of qubits is a difficult task. Researchers are also working to develop error correction algorithms to reduce the effects of quantum errors; This is an important step towards the implementation of quantum computing. As we move further into this quantum realm, the convergence of science and technology opens up a new era of possibilities limited only by the imagination.

Utkarsha Vasantrao Kakade

(TE IT)

THE ROBOTIC REVOLUTION: HOW ROBOTS WILL TRANSFORM OUR WORLD.

The rapid development of robotics and artificial intelligence (AI) is bringing significant changes to many industries and every aspect of our lives. From manufacturing to healthcare, robots will change the way we work, interact, and see the world around us. This article looks at the many ways robots are changing the world and shaping our future.

- **Automation and Business:** Robots are already having an impact on production and business. Robots increase productivity, reduce errors and improve product quality with their precision, efficiency and ability to work continuously.
- **Medical Care:** In the medical field, robots play an important role in diagnosis, surgery and patient care. Surgical robots help doctors perform surgeries with more precision, minimally invasive techniques and shorter recovery time.
- **Education and Learning:** Robots are changing the way we work and learn. Learning robots can engage students in interactive and self-directed learning that translates into personal learning and study. These robots are especially useful for teaching networks such as programming and engineering, development thinking, and problem solving.
- **Agricultural Developments:** Robots in agriculture have revolutionized agriculture. Agricultural robots equipped with sensors and artificial intelligence can monitor crops, soil and weather.
- **Ethical and human implications:** The rise of robots has also brought ethical and social issues to the fore. As robots become more integrated into society, questions arise about privacy, security, and the potential of artificial intelligence.
- **Daily Assistance:** Robots have become an important part of our daily lives, assisting with tasks such as cleaning, cooking and transportation

More Komal Vitthal.
(TE II E&TC)

One third of the world population has never made a telephone call.

NAVIGATING THE FUTURE OF WORK: A CLOSER LOOK AT AUTOMATION AND THE EVOLVING JOB LANDSCAPE.

Imagine a world where machines team up with us, doing the repetitive tasks, and leaving us with more interesting work. This is automation—a helpful partnership between technology and us. But it's not just about machines taking over; it's about a new era of job roles and exciting possibilities. Automation means that machines, guided by smart programs, can do tasks that used to be done by humans. Think of self-driving cars or checkout kiosks at stores. These machines take care of tasks that don't need our creative thinking or unique skills. This frees us to focus on what makes us special. The Evolution of Jobs As automation takes care of routine jobs, we humans get a chance to step into roles that require creativity, critical thinking, and our personal touch. These new roles often blend technology with our human strengths. We're becoming what experts call "hybrid" workers, using tech to enhance our abilities.

Learning: The Key to Thriving In this fast-changing world, learning never stops. We need to keep learning new skills to stay in sync with the evolving job landscape. Upskilling and reskilling : learning new things or refining existing skills are like our secret weapons against becoming outdated. Adapting workspaces traditional offices are transforming. Thanks to technology, we're no longer tied to a desk. Remote work, freelancing, and co-working spaces are changing how we define a workplace. Technology bridges the gap, allowing us to work seamlessly from different locations. We need to ensure that machines and algorithms treat everyone fairly and respect their privacy. This means creating rules and guidelines to keep things balanced. We're not competing against machines; we're collaborating with them. Together, we're creating a future where technology enhances our abilities, makes our work more efficient, and unlocks new levels of innovation. Embrace the change Automation isn't a threat; it's an opportunity. It's a chance for us to shine in roles that require our unique human qualities. It's a journey where we learn, adapt, and create a future that's both exciting and full of potential. So, let's welcome this change with open arms. Automation isn't about machines taking jobs; it's about machines and humans working together in harmony. The future of work is our canvas, and together, we're painting a masterpiece that combines the best of both worlds.

Khushi Mittal

(TE II E&TC)

No one has received more U.S. patents than Thomas Edison – 1,093 to be exact.

NEURALINK: THE FUTURE OF BRAIN-MACHINE INTERFACES

In this world where the advancement of technology continues to push the limits of human capabilities, the phenomenon of brain-computer interfaces (BMI) has gained importance. One of the most promising and controversial projects in the field is Neuralink, a project that aims to bridge the gap between the human brain and computers. This effort promises to unlock a new world of human potential, revolutionize medicine, and redefine the nature of human experience. Founded by entrepreneur Elon Musk, Neuralink aims to create a brain-computer interface that allows direct communication between the brain and external devices. Technology enables people to control computers, artificial intelligence and other devices with their thoughts, opening up a world of possibilities for people with physical disabilities and much more. The concept of BMI is not new; Scientists have been investigating these intersections for years. However, Neuralink stands out with its determination to push the boundaries of what is possible. At the heart of Neuralink's approach is the development of a network of ultra-thin flexible electrodes that are implanted into the brain. The electrodes, usually thinner than a human hair, record the electrical signals produced by neurons and send the signal back to the brain. The resulting two-way communication opens up a world of possibilities. One of the most promising aspects of Neuralink technology is its potential to revolutionize health and medicine.

Neuralink can provide solutions to many neurological diseases and injuries by connecting directly to the brain. Conditions such as Parkinson's disease, epilepsy, spinal cord injuries, and even major depression can be treated with physical therapy and rehabilitation. Imagine a future where paralysis can be reversed by bypassing damaged spinal cords, seizures can be stopped with direct electrical projects, and chronic pain can be managed without the need for opioids. Neuralink's advances have the potential to make this potential a reality. While medical application is important, Neuralink also intends to support people's abilities beyond the ability to overcome obstacles. The concept of "neuroenhancement" suggests that BMI can be used to expand our cognitive and physical abilities. This can be achieved through faster learning and better memory, directing communication between the mind and possibly mental communication. As of the end of my experience in September 2021, Neuralink has made progress in developing the 9 ct brain-computer interface. However, it is important to recognize that this technology is still in its infancy and faces many challenges before it becomes a reality. Neuralink represents a vision of the future where the lines between mind and machine are blurred, barriers are overcome, and the potential of human intelligence exceeds our limits. The journey to realize this vision will be challenging, filled with both triumphs and moral dilemmas. Whether or not Neuralink achieves its original goal, its efforts contribute to a deeper understanding of the relationship between the human brain and technology, and that alone is important.

Utkarsha Vasantrao Kakade

(TE IT)

According to Moore's Law, microchips double in power every 18 to 24 month.

THE WOMEN SCIENTISTS WHO TOOK INDIA INTO SPACE

Two years ago, as Indian scientists successfully put a satellite into orbit around Mars, a photograph that went viral showed women dressed in gorgeous saris with flowers in their hair celebrating at the Indian Space Research Organisation (Isro) in the southern city of Bangalore.It was reported that the ecstatic women were scientists and the photograph challenged the stereotype that rocket science in India was a male preserve.

Isro later clarified that the celebrating women were administrative staff, but it went on to add that there indeed were several women scientists who had worked on the mission and were in the control room at the time of the launch.

The BBC's Geeta Pandey recently traveled to Bangalore to meet some of the women who have taken India into space.

- **Ritu Karidhal, Deputy Operations Director, Mars Orbiter Mission**

  As a little girl growing up in the northern Indian city of Lucknow, Ms Karidhal was an avid sky watcher who "used to wonder about the size of the moon, why it increases and decreases. I wanted to know what lay behind the dark spaces". A student of science who loved physics and maths, she scoured the daily newspapers for information about Nasa and Isro projects, collected news clippings, and read every little detail about anything related to space science.

  After getting her postgraduate degree, "I applied for a job at Isro and that's how I became a space scientist", she says.

  A mother of two young children, Ms Karidhal says it was not easy to maintain a work-life balance but "I got the support I needed from my family, my husband and my siblings".

  "At the time, my son was 11 and my daughter was five. We had to multi-task, manage time better, but I think that even when I was exhausted at work, I'd go home and see my children and spend time enjoying with them, and I'd feel better and they would also like it."

  It's often said that "men are from Mars while women are from Venus" but following the success of the Mars mission, many dubbed India's women scientists the "women from Mars".

  "I am a woman from earth, an Indian woman who got an amazing opportunity," Ms Karidhal says. "Mars mission was an achievement, but we need to do a lot more. The country needs a lot more from us so that the benefit reaches the last man."

  And who better than women scientists to do that?

- **Nandini Harinath, Deputy Operations Director, Mars Orbiter Mission**

  Ms Harinath's first exposure to science was Star Trek on television.

  "My mother is a maths teacher and my

father is an engineer with a great liking for physics and as a family we were all so fond of Star Trek and science fiction and we would sit together and watch it on TV." Of course, at the time, she never thought of becoming a space scientist and for her, Isro "just happened". "It was the first job I applied for and I got through. It's been 20 years now and there's been no looking back." Being part of the Mars mission was a high point of her life.

"It was also the first time Isro allowed the public to look at what was happening inside, we were on social media, we had our own Facebook page, and the world took notice.

"I feel proud of our achievement. Sometimes, I feel honoured and flattered, but sometimes I'm also embarrassed," she says, laughing. "But now the way people look at you, it's very different. People recognise you for being a scientist. And I'm enjoying it thoroughly."

In the beginning, the scientists worked about 10 hours a day, but as the launch date came closer, it went up to 12 to 14 hours. "During the launch, I don't think we went home at all. We'd come in the morning, spend the day and night, probably go home for a short time the next afternoon to eat and sleep for a few hours and come back. But for an important mission like that which is time bound, we needed to work like that. To make matters worse, her daughter's crucial school leaving exams fell right in the middle of the mission.

"Those few months were very demanding at work and at home. It looked like a race at the time. I'd wake up at 4am with my daughter to give her company while she studied. But now, we look back on that time with fondness. She did extremely well in her exams, scoring 100 in maths. Today, she's in medical school and is doing really well so I think it was all worth the effort." I ask if we can call her the "woman from Mars".

"I want to be grounded to earth. It's important to remain so, to bring out the best in a person," she says. "The Mars mission was a huge achievement, but that's past now. We need to look into the future, to see what more we can do. We have the entire cosmic neighbourhood waiting to be explored. There are so many planets, so it's time to venture out."

Saee Kad BE E & TC

220 million tons of old computers and other technological hardware are trashed in the United States each year.


JUVENILE
Future's Melody, Youth's Symphony
YOUNGISTAN SECTION

From the Editor's Desk

" Our Greatest
Weakness lies in giving up.
The most certain
way to succeed is always
try just
one more time ."

YOUNGISTAN the land of young people.
Our youth can bring social reform and improvement in society. We can't make do without the youth of a country. This is the land of inhabitants who have a spark to go beyond the horizon, to do something unusual at any age of their life.
As our magzine is about the engineers 'ABHIYANTA' this section includes the extraordinary people who believe themselves and make everyone proud at very young age.
It feels great to be a part of this 'ABHIYANTA'. I would like to appreciate all the team members and Coordinators of the Youngistan section who helps to collect the articles, the design, the idea , and so on.
Lastly I would like to thanks Itkarkar Ma'am and Anjali Kadam Ma'am who play the supportive role throughout the journey.

Krutika Bhankhede
B.E I E& TC

From Left to right: Prof.S.A.Itkarkar, Prof.A.P.Kadam

Left to right - Vedika Rajemane (S.E.), Shrutika Deshmane (Co-editor)
Krutika Bhankhede (Editor), Mayuri Baviskar (Co-editor)
Rucha Kulkarni (S.E.), Chetana Patil (S.E.)

BHAVISH AGGARWAL – FOUNDER OF OLA

Bhavish Aggarwal (born 28 August 1985) is an Indian entrepreneur and co-founder of Ola Cabs and Ola Electric. Aggarwal was included in Time magazine's 100 Most Influential People of 2018.

Early life

Aggarwal was born and brought up in Ludhiana, Punjab, in a Punjabi Hindu family. He completed a bachelor's degree in computer science and engineering at Indian Institute of Technology Bombay in 2008. He started his career with Microsoft Research India as a research intern and later got reinstated as an assistant researcher.

Career

He began his career with Microsoft, where he worked for two years, filed two patents and published three papers in international journals.]In January 2011 he co-founded Ola Cabs with Ankit Bhati in Bengaluru.Bhavish Aggarwal is a co-founder of Ola, one of India's biggest ride-hailing startups. Aggarwal began his journey in 2010 with Ola, which began in Mumbai as a taxi aggregator. Ola is now present in more than 250 cities across India, Australia, New Zealand, and the UK. Ola has become one of India's most well-known and dependable ride-hailing services thanks to Aggarwal's emphasis on technology and innovation.

Awards

- ET Awards, Richest of the year, 2017

Shrutika Deshmane

BE1 E&TC

If your experiment needs statistics, you ought to have done a better experiment.

AT 15, NIRBHAY THACKER COMPLETED FOUR-YEAR BTECH IN ONE YEAR.

Nirbhay Thacker of Gujarat is also one of the youngest persons ever to graduate in engineering. The 2002-born completed his Bachelor of Technology (BTech) in Electrical Engineering in 2017 and received the degree in 2018. He pursued the course from the Gujarat Technological University. Notably, he completed the four-year engineering course in just one year after clearing Class-12 from Cambridge Board in 2016.

At his age most of his friends will be in school, but not Nirbhay Thacker. The 16-year-old from Bhuj in Gujarat has become the youngest engineering graduate in his state. The teenager was the centre of attraction on Friday at the Gujarat Technological University (GTU) convocation at Mahatma Mandir in Gandhinagar.

Thacker who enrolled for B Tech last year completed the four year course in a matter of just one year in October. His accelerated education began in class 8, as he finished class 8 to class 10 in six months and class 9 to 12 in the next three months, under the International General Certificate of Secondary Education (IGCSE) system run by Cambridge International Examinations.

After his father, an engineer, and his mother, a doctor, represented his case as a special one to GTU, the Admission Committee for Professional Courses (ACPC) and All-India Council for Technical Education (AICTE) approved his admission to SAL College of Engineering.

“Every 40-50 days, I would appear for my semester examinations. I used to study for six hours and through meticulous planning managed to finish around 4,000 pages of six subjects in those 50 days. Each semester was the same,” the youngster who completed his course with an overall CGPA of 8.23 said.

The young graduate has is eyes set on completing 10 B tech degrees in the next three to four years. "I have also got an offer for a PhD from an IIT besides funding. My long-term goal is to set up a research centre in India for the defence sector," the teenage prodigy told The Times of India.

Krutika G. Bhankhede

B.E. I E & TC

A fact acquires its true and full value only through the idea which is developed from it.

INDIAN-AMERICAN TANISHQ ABRAHAM BECAME ENGINEER AT THE AGE OF 15

Fifteen-year-old Indian American Tanishq Abraham is the youngest to become a bio-medical engineering graduate. Tanishq graduated from the University of California, Davis and has passed out with the highest honors of 'summa cum laude' - an academic level of distinction used by educational institutions and it signifies that a degree that was earned "with the highest honor".

The 2003-born graduated from the University of California, Davis with the highest honours of summa cum laude. Tanishq is currently pursuing PhD (Doctor of Philosophy) in biomedical engineering at the University of California, Davis.

Tanishq has designed a unique device, which reduces the complication while measuring the heartbeat of a burnt patient. The device is designed to measure the heartbeat of a patient, without any physical contact, according to NDTV.

On the day of his graduation, Tanishq's mother Taji Abraham, who is a doctor of veterinary science said, "It was the best Father's Day gift for my husband and also my dad". Her husband Bijou Abraham is a software engineer and the family hails from Kerala.

A child prodigy, Tanishq, at the age of five, had cracked the math courses offered by Stanford University's Education Programme for Gifted Youth in less than six months. His mother says he has been an achiever since his kindergarten days. His other interests include swimming, soccer, tennis and Ping-Pong.

Krutika Bhankhede
B.E. 1 E&TC

SUCCESS STORY OF VINEETA SINGH FOUNDER OF SUGAR COSMETICS

Early Career

In 1991, Vinita Singh was born in Delhi, India. She completed her education at Delhi Public School in R.K. Puram.

Vineeta graduated from the Indian Institute of Technology Madras in 2005 with a bachelor's degree in electrical engineering. She afterwards enrolled in IIM Ahmedabad to do her MBA in 2007.

After discussing her job options with a professor at age 17, he suggested that she pursue entrepreneurship. She quickly started to follow his instructions and get ready to join the club of actually becoming one. Vineeta left for her career with the conviction that "You can be an entrepreneur only by really becoming one!" after earning degrees from IIT Madras and IIM Ahmedabad. We couldn't agree more, actually! She has proven through her work adventures and endeavors that she is capable of anything, making her one of the most formidable and likable female entrepreneurs in the business.

Moving Forward

Young women were breaking free from patriarchal norms and forging their own paths in 2012, and Vineeta Singh and Kaushik Mukherjee (Cofounder, SUGAR Cosmetics) had the foresight to predict an explosion in the women's beauty sector. The idea for Fab Bag, a customizable beauty kit with a subscription model, emerged at that time. This marked the beginning of the climb of an exciting young woman entrepreneur.

Vineeta revealed in 2015 that she had a natural aptitude for understanding what women needed from the beauty business as a result of her entrepreneurial path. She rapidly saw the demand for transfer-proof and long-lasting cosmetics in the beauty sector based on feedback from FAB Bag customers. She relied on her vision and instincts to build the best business for women, and she still does.

Vineeta Singh started her own line of crayon lipsticks that were made in Germany with a Rs. 1 crore personal loan from an early investor. This served as the launchpad for SUGAR Cosmetics to become the name it is today. She wasn't just introducing a brand; she was speaking for many young women across the nation. In keeping with her words, 75% of the workers at SUGAR Cosmetics are women. Vineeta Singh, who has a goal of hiring 10,000 women for her business, has inspired young women all across the world, whether it be through her internal staff members or the Shark Tank India contestants.

Vineeta Singh achieved another significant business milestone in 2019 with the opening of Kolkata's first exclusive brand outlet. Since then the company has partnerships with major retailers like Shoppers Stop and Lifestyle, and its products are also available in more than 500 small beauty stores.

Mayuri Baviskar
BE1 ENTC

SUCCESS STORY OF VINEETA SINGH FOUNDER OF SUGAR COSMETICS

Meet Shantanu Naidu and How he landed his Dream Job with Ratan Tata

Education and Early Life

Shantanu Naidu was born in the Indian city of Pune. Shantanu Naidu earned his bachelor's degree in 2014 from Pune University. With a degree in mechanical engineering, he began working as a design engineer for the Tata group. Shantanu then went on to Cornwell University's Johnson School of Management to pursue his MBA.

Inception of Motopaws

On his way home from work one evening, he noticed a dog's lifeless body in the middle of the road. “I realized I needed to do something. Therefore, I sought the help of a few friends and developed a collar with reflectors such that cars could see the dog from a distance. We went around the next day and put these collars on the stray dogs," Shantanu Naidu told Humans of Bombay.

When Naidu was wondering if the collars would be of any service, he awoke the next day to learn that a stray dog had been saved due to the collar. Motopaws, Naidu's great effort, spread like wildfire, and the work was featured in the Tata Group’s newsletter.

From designing collars with reflectors for street dogs to creating his team ‘Motopaws’ Shantanu grabbed the attention of Ratan Tata . Two Months later he received a letter that changed his life The letter was from Ratan Tata himself

“He told him, I’m deeply touched by the work you do!’ I still get goosebumps when I think of it. Eventually, Shantanu’s project of designing collars was fully funded by Tata

Motopaws is now a company that makes a variety of 'glow-in-the-dark' collars for dogs. According to various media sources, Shantanu earns Rs 8.5 lacs each year (approx.). According to sources, he has a net worth of INR 5-6 crores (approx.).

Mayuri Baviskar

BE1 ENTC

We may encounter many defeats but we must not be defeated

srujanam

"Clear, Concise, Comprehensive"

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From L To R : Prof. N.I. Dalvi, Prof. K.S. Sawant, Prof. M.S. Kasar, Prof.V.S. Karambelkar, Prof. S.T. Khot, Prof. S. A. Hadke, Prof. S.A. Sagare, Prof. D.P. Chopade, Prof. U.S. Zape

From left to right
On Upper Stair- Sanjana Pawar, Mansi Pathak, Nita Sonawane,
Down Stair- Anuradha Pachpute, Kalyani Kulkarni

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Shri. V. M. Mane
Dr. K. R. Mahadik
Shri. Mohanrao Kadam
Dr. H. M. Kadam
Dr. V. J. Kadam
Dr. Ravindra Kharat
Dr. Eric Bharucha
Shri. L. B. Lokhande
Shri. B. D. Mane
Dr. M. S. Sagare
Prof. M. A. Patil

COLLEGE DEVELOPMENT COMMITTEE

Dr. Vishawjeet Kadam
Chairperson

Dr. K. D. Jadhav
Joint Secretary

Prof. Dr. D. A. Godse
H.O.D. IT Department

Prof. Mrs. P. D. Kale
Teaching Staff

Prof. Dr. V. R. Pawar
Teaching Staff

Prof. Dr. K.A. Malgi
Teaching Staff

Mr. S. J. Deshmukh
Non Teaching Staff

LOCAL MEMBERS

Education: Dr. U. B. Bhoite

Business: Dr. S. F. Patil

Research: Dr. A. R. Bhalerao

Social Service: Dr. T. Chaudhari

Prof. Dr. S. R. Patil
I/C Principal

Prof. Dr. S.S. Chorage
IQAC Coordinator

Miss. Tanushri Desale
Secretary Student Council

DEPARTMENT OF ENGINEERING SCIENCES AND ALLIED ENGINEERING

Prof. Dr. A.M.Pawar
Ph.D. M.E. (Mechanical Engineering)
Head of Department &
V.P. (Administration)

Vision:

Developing a sustainable technical education system to meet the changing technological needs.

Mission:

- Strengthen leadership qualities so as to complete technically in the competitive environment.
- Inculcate and Strengthen Research Aptitude amongst the Students and Faculty.

The department strives to introduce innovative and modern methods in classroom teaching that would not only impart the traditional concepts but will also arouse the curiosity of the students to explore the depth of the subjects. The department has state of art laboratories. Our staff members are highly qualified, knowledgeable, experienced, competent, enthusiastic and dynamic. Each class has a designated Guardian Faculty Member (GFM) who has weekly interaction with the class representative (CR). GFMs, Academic coordinator and Head of the Department are in constant touch with the parents/guardians of the student. They keep parents regularly apprised of the academic records and overall development of their ward. We have devised a novel method of continuous assessment of students for judging the performance in the laboratories. At the end of the semester we host open day for the parents/guardians to interact freely with the staff members. Industrial visits are conducted regularly for the hands on experience. Outmost importance is given to the collaboration with the research laboratories for research and development activities. We motivate students to participate in various competitions and events for the overall development.

Faculty and staff of Engineering Sciences and Allied Engineering Department

Faculty Information:

Ph.D. Completed: 02, Ph.D. Pursuing: 04, Patent Filed : 05

Paper Publications:

Journals : International/National : 33

Conference : International/National : 01




DEPARTMENT SWOC:

Strengths:

1. Experienced & dedicated staff with good retention ratio.
2. Faculty involved in interdisciplinary research & book's publication.
3. Adaptive & effective Teaching Learning Process using continuous evaluation.
4. Faculty members are involved in design, development & implementation of curriculum in board of studies of affiliating University.

Weakness:

1. Number of faculty with PhD is comparatively less.
2. Few research publications in peer reviewed International Journals having high impact factor.

Opportunities:

1. Development of web based learning resources & implementation of interactive learning.

Challenges:

1. Cater to the need of students with diverse capabilities.

Future plans:

1. Implementation of ERP.
2. Program Outcomes (POs)
3. On completion of the program graduate will be able to
4. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
5. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
6. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
7. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
8. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
9. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
10. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
11. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

12. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
13. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
14. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
15. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Faculty of Engineering Sciences and Allied Engineering

Sr. No.	Name of the Staff Member	Designation	Qualification	Experience (Years & Months)
01	Prof. Dr. Avinash M. Pawar	Asso. Professor	Ph.D. (Mechanical Engineering)	22.6
02	Prof. Santosh R. Mitkari	Asst. Professor	Ph.D. (Pursuing)	21.5
03	Prof.Milind A. Patwardhan	Asst. Professor	Ph.D.(Pursuing)	17.5
04	Prof.Yogesh D. Kute	Asst. Professor	M.Tech. (Mech)	15.7
05	Prof.Diksha P. Chopade	Asst. Professor	Ph.D.(Pursuing)	16
06	Prof.Urmila S. Zope	Asst. Professor	M.E. (Mech)	11
07	Prof. Kiran B. Naikwadi	Asst. Professor	MSc. (Maths.)B.Ed	15.8
08	Prof. Dr. Smita S. Jadhav	Asst. Professor	Ph.D. (Chemistry)	25

STAFF INFORMATION (NON-TEACHING):

Sr. No.	Name of The Staff	Staff Designation
1	Mr. Sutar A.M	Workshop Instructor
2	Mr. Swant V.P	Workshop Instructor
3	Mr. Deshmukh S.H	Lab Assistant
4	Mrs. Patil A. M.	Jr. Clerk
5	Mr. Jadhav B.V	Peon
6	Mr. Mahapure A.B	Peon

Laboratories

Engineering Physics Lab

Engineering Chemistry Lab

Basic Mechanical Engineering Lab

Engineering Mechanics Lab

Basic Electrical Engineering Lab

CAD Lab

Workshop has five sections:

Workshop has five sections (i) Carpentry shop, (ii) Fitting shop, (iii) Welding shop, (iv) Black smithy and (v) plumbing shop. It has wide variety of machines which includes Lathe machines, Drilling machines, wood turing lathes, Circular saw, Welding machines and many more power tools. It also contributes to resource generation for the institute by utilizing the idle capacity of the available equipments. This helps in improving the competence of staff as well as creates awareness of industrial activities among the students.

Features:

- Strong networking for conducting online examinations of UoP.
- Industry - Institute Interaction
- Labs are equiped with latest software and equipments
- Wi-Fi Facility for Students.
- Advanced Teaching Aids.

Softwares : a) ANSYS b) AUTO-CAD c) MATLAB d) STATISTICS TOOLS

Equipments: Civil equipments: (i) Digital planimeter (ii) Laser Level (iii) Hand held GPS (iv) laser distance meter etc.

Mechanical equipments: Working models and cut section for different engineering elements Machine Tools.

Physics, Chemistry and electrical engineering labs are modernized. Spacious and luminous Drawing Hall accommodating about 100 students.

- **The Laboratories** are well equipped with advanced equipments, highspeed internet, Wi-Fi and legal licensed softwares
- **Language lab:** To enhance communication skills of the students.
- **Advanced Teaching Aids:** LCD, OHP, NPTEL-IIT video lecture series
- **Personality and Skill** development programmes
- **Expert lectures** of eminent speakers
- **Team of well qualified and dedicated** faculty members
- **Extra coaching** is provided by the staff members to the weaker students to cope up with the technical subjects in Engineering.
- **Departmental Library** is having good collection of Reference & Text books.
- **Direct interaction with Principal** through feedback system.
- **Regular counseling** sessions to students by GFM, Academic coordinator and Head of Department
- **Professional Bodies:** Students are interacting with peer institutes through ISTE and IEI Chapters.
- **Quality Improvement :** Staff members are encouraged to participate in National and International level paper presentation, seminars, workshops, STTP, and NITTR.

Departmental Activities

FE Welcome

INDUCTION PROGRAM

- Principal's Interaction.
- H.O.D.'s Interaction.
- Training and Placement officer's Interaction session.
- Induction by Chief Examination officer.
- Student section Interaction.
- Scholarship Information online session.
- Computer Engineering Department Visit.
- Information Technology Department Visit.
- Electronics and Telecommunication Department Visit.
- Library Visit.
- Campus Visit.
- Alumina's Interaction.
- Batch-wise introduction of the students.
- Batch-wise experience of Covid situation (Lockdown) sharing with interaction.
- Meditation and Yoga.
- Universal Human Value session.
- Campus Visit virtually by video conferencing.
- Alumina's Interaction.
- Batch-wise introduction of the students.
- Meditation and Yoga.

Staff Achievements:

Sr. No.	Name of faculty	Achievement
1	Prof. Dr. Avinash M. Pawar	Worked as Reviewer for 2nd Asian Conference on Innovation in Technology (ASIANCON), 2022 Pune, India Organized by PCCOE, Ravet and sponsored by IEEE, Bombay section. Conference Date- Aug. 26-28, 2022.
2		Contributing as a Reviewer for the 10th National Conference on Recent Developments in Mechanical Engineering [RDME 2022] on 15th and 16th September 2022 in association with AIP Publisher, USA.
3		Presenting paper titled "Diabetes Prediction and Drug Administration using Knowledge Engineering Approach "in 10th National Conference on Recent Developments in Mechanical Engineering [RDME 2022] in association with AIP Publisher, USA
4		Worked as Reviewer 'International Journal of Engineering and Advanced Technology (IJEAT): 1. Multi -Response Optimization of Electro Chemical Discharge Machining Performances during Micro-Machining Operation of Silicon-wafer sponsored by Blue Eyes Intelligence Engineering and Sciences Publication.

5	Prof. Dr. Avinash M. Pawar	Recognition as a Ph.D. Research Guide of Savitribai Phule Pune Unversity w. e. f. 25.03.2022 to 21.06.2039(To Superannuation). For 4 students.
6		Worked as a Session Chair (Scientific Committee member) for online International Conference on Advanced and Creation in Mechanical Engineering conducted on 20/12/2022 to 22/12/2022 in online mode.
7		Worked as Reviewer 'International Journal of Engineering and Advanced Technology (IJEAT): 1. Defect Remedy Procedures Using Cold Method on Super heater Header (SA335P11) sponsored by Blue Eyes Intelligence Engineering and Sciences Publication.
8		Appreciation on the consistent contribution to the field of Education; and for inspiring children to learn presented by the Trans Globe Pune on 17/02/2023.

VISIT TO EDUYOUTH MEET

An event on human rights was organized by Shri Shri Ravishankar and his followers for all the youths. In this event more than 120 colleges participated from all over Pune and our college Bharati Vidyapeeth's College of Engineering for Women had also participated in that event.








DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Prof. Dr. S. R. Patil
Ph.D. (EC & CSE)
HoD & I/C Principal

Vision:

To develop women professionals to become a valuable resource for industry and society through E&TC Engineering.

Mission:

- To provide quality and value based education for women in the field of E&TC Engineering.
- To train women to keep pace with rapidly changing technological needs of industry and research.

Electronics and Telecommunication Engg. Department was established in the year 2001 with the intake of 60 students. With the increase in intake of 60 in 2006-07 for UG and a new PG course of intake 18 in 2013-14; our department is continuously getting upgraded. Department has highly qualified faculty. Well planned infrastructure to satisfy growing needs of educational environment, supported with latest hardware and software tools like MATLAB, Xilinx, and LABVIEW, etc.

The aim of the faculty apart from imparting quality education in classrooms & laboratories is to include technical creativity in their students. State of the art excellent facilities are provided in the department to facilitate the staff to achieve this aim. The E&TC department tries to give each student an edge over other as they can set their feet in today's highly competitive age.

As being the largest department in the institute our maximum focus is on research activities.

Faculty & Staff of Electronics and Telecommunication Department

Faculty Information:

Staff with Ph. D.: 08, STAFF with Pursuing Ph. D.:16

Paper Publications:

Journals	:	International : 35	Book Chapter	:	3
Conference	:	International : 10	Patent Published	:	4

Staff participation =43, organized FDP-11




DEPARTMENT SWOC:

Strengths:

1. Eight faculty members with Ph.D. degree and 13 PG recognised faculty members.
2. Post-Graduation programme in VLSI and Embedded System Design.
3. Laboratories with State of the Art equipment & modern software tools.
4. Faculty contributing in design development and implementation of curriculum in board of Studies of affiliating university.
5. Effective use of ICT in teaching learning process.
6. Student centric functioning with mentoring and counselling through teachers.
7. Effective Academic monitoring.
8. Encouraging and conducive atmosphere for Co-curricular activities.
9. Promoting research among the students.
10. Ability to design and develop skill development.

Weakness:

1. Consultancy services need to be initiated and improved.
2 Improvement of aptitude and communication skill for students.
3. Moderate employable competency.
4. Less research publications in peer reviewed international journals having high impact factor.
5. Less exposure to industrial environment.

Opportunities:

1. Promotion of post-doctoral research.
2 Conduction of FDP and STTP.
3 Conduction of value addition programs.
4. Organisation of national/international conferences and value addition programs.
5. Effective participation of alumni in department development
6. Revenue generation through consultancy and sponsored projects.

Challenges:

1. More placement in core companies
2. Improvement of aptitude and communication skills for students
3. Strengthen industry and institute interaction.
4. Creating awareness about employment opportunities in E&TC Engineering.
5. More participation in the summer school and industry internship.
6. Strengthen alumni interaction.

Future Plans:

1. To establish research centre.
2. To promote patents and registration.
3. To prepare students ready for placement from initial stages.
4. Establish linkages with reputed industries.
5. Online submission and assessment of assignment and unit test.
6. Implementation of ERP.

Program Educational Objectives (PEOs)

1. Ability to apply electronics knowledge, to identify formulates and solves engineering problems.
2. Acquire knowledge to find out workable solutions in the field of Telecommunication.
3. Exhibit programming skills with the use of various software tools.
4. Inculcate continuous learning through interdisciplinary approach.

Program Specific Outcomes (PSOs)

Graduate will be able to

1. Give techniques, solution by using acquired knowledge and skills.
2. Design and develop Electronics & telecommunication-based systems.
3. Create, select and adapt techniques, resources and tools with understanding of associated limitations
4. Identify and address their own needs in the changing world through lifelong learning.

Program Outcomes (POs)

On completion of the program graduate will be able to

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Department Advisory Board (DAB):

Sr. No.	Name of the Member	Designation
1	Prof. Dr. S.R. Patil	Principal
2	Prof. Dr. S.R. Patil	Head of Department
3	Prof. Dr. D.R. Bormane	BoS (Electronics Engg) Member
4	Prof. S.T. Khot	Senior Faculty Member
5	Prof. Dr. S.S. Chorage	Senior Faculty Member
6	Mr. Nityanand Prabhutendolkar	Industry Person
7	Prof. P.R. Yawle	Faculty
8	Ms. Gargi Nigade	Alumna Representative
9	Mr. Girish Kulkarni	Parent Representative
10	Ms. Tanishka Dande	Student Representative

Program Assessment Committee (PAC)

Sr. No	Name of faculty	Designation
1	Prof. Dr. S. R. Patil	Head, E&TC Dept.
2.	Prof. Dr. S. S. Chorge	Academic Coordinator
3	Prof. Dr. S. M. Rajbhoj	Coordinator, IIC
4.	Prof. Dr. S. A. Dhole	Coordinator, Result Analysis
5.	Prof. R. M. Shamalik	Dept. T&P Coordinator
6.	Prof. Varsha Karambelkar	Coordinator, ETSA

Faculty of Electronics & Telecommunication Engg. Department

Sr. No.	Name of Staff Members	Designation	Qualification	Experience (Years & Months)
1	Prof. Dr. S. R. Patil	Professor & Head	Ph.D.(EC & CSE).	33.7
2	Prof. S. T. Khot	Professor	Ph.D.(Pursuing)	33.10
3	Prof. Dr. S. S. Chorage	Professor	Ph.D.(Electronics Engg.)	25.10
4	Prof. Dr. V. R. Pawar	Associate Professor	Ph.D.(Electronics Engg.)	27.3
5	Prof. Dr. S. M. Rajbhoj	Associate Professor	Ph.D.(Electronics Engg.)	31.9
6	Mrs. S. A. Itkarkar	Associate Professor	Ph.D.(Pursuing)	30.10
7	Prof. Dr. S. L. Kore	Associate Professor	Ph.D. (Electronics Engg.)	22.10
8	Prof. Dr. S. A. Dhole	Assistant Professor	Ph.D.(Electronics Engg.)	19.10
9	Mrs. Dr. S. M. Jagdale	Assistant Professor	Ph.D. (Electronics Engg.)	19.6
10	Mrs. K. R. Chaudhari	Assistant Professor	Ph.D.(Pursuing)	16.9
11	Prof. Dr. S. S. Salunkhe	Assistant Professor	Ph.D.(Electronics Engg.)	15.11
12	Mr. S. M. Bhilegaonkar	Assistant Professor	Ph.D.(Pursuing)	16.5
13	Mr. M. S. Kasar	Assistant Professor	Ph.D.(Pursuing)	16.8
14	Mrs. P. R. Yawle	Assistant Professor	Ph.D.(Pursuing)	14.10

15	Mrs. V. S. Karambelkar	Assistant Professor	M. Tech (Electronics & VLSI)	14.10
16	Mr. V. P. Mulik	Assistant Professor	Ph.D.(Pursuing)	15.7
17	Mrs. R. R. Jain	Assistant Professor	Ph.D.(Pursuing)	14.9
18	Ms. Y. R. Dhumal	Assistant Professor	Ph.D.(Pursuing)	14.8
19	Mrs. R. J. Sapkal	Assistant Professor	Ph.D.(Pursuing)	13.10
20	Mrs. S. V. Shelke	Assistant Professor	Ph.D.(Pursuing)	13.4
21	Mr. A. B. Vitekar	Assistant Professor	Ph.D.(Pursuing)	15.6
22	Mrs. K. D. Mahajan	Assistant Professor	Ph.D.(Pursuing)	13.10
23	Mrs. V. V. Gaikwad	Assistant Professor	Ph.D.(Pursuing)	12.11
24	Mr. R. M. Shamalik	Assistant Professor	Ph.D.(Pursuing)	13.2
25	Mr. A. P. Yadav	Assistant Professor	Ph.D.(Pursuing)	12.8
26	Ms S.M.Patil	Assistant Professor	M. Tech (Electronics & VLSI)	7.9

STAFF INFORMATION (NON-TEACHING):

Sr. No.	Name of The Staff	Staff Designation
01	Mrs. Atre S. V	Tech. Assistant
02	Mr. Thorat S.K.	Lab Assistant
03	Mr. Kumbhar G.R	Lab Assistant
04	Mr. Pawar C.D.	Lab Assistant
05	Mr. Kolekar V.G.	Jr. Clerk
06	Ms. Kharat S.S	Peon
07	Mr. Jadhav V.	Peon

Features

- Well Equipped Laboratories with investment about 2 crores.
- Excellent Infrastructural Facilities along with teaching aids like LCD and OHP.
- Highly qualified, experienced and dynamic staff.
- Healthy academic environment for overall technical development of students.
- Students are encouraged to participate in co-curricular and extra-curricular activities
- Department established student association(ETSA) and various Student Chapters which conducts, seminars on organizational behavioral, personality development, time management, women empowerment benefiting the students in their professional as well as social life.
- Japanese language course is offered as audit course for SE students.
- Embedded System Design with Texas Instrument Development board MSP430 was conducted for TE students
- Department is enriched with PCB Design Lab.

Laboratories

(PG)

VLSI & Embeded Systems Lab

(UG)

Embedded Lab

Digital Electronics Lab

Mechatronics Lab

VLSI Lab

Electronics Devices & Circuits & PCB Lab

Computing Facility - B

STAFF ACHIEVEMENTS:

Sr. No.	Name of faculty	Achievement
1	Prof. Dr. S. R. Patil	Principal and Head of Department received prestigious award "Outstanding leader in Higher Education"by ELETS Education Innovation Summit on 10th December 2022 held in Pune
2	Prof. Dr. S. S. Chorage	• Published Patent application on the topic "Sensing and simulation system and method for exhaust air particulates exhausting from a device". • Deshmukh Vidhya Vijay has completed PhD under the guidance of Prof.Dr.S.S.Chorage on the topic investigation of title of sensor for non-invasive determination of blood glucose concentration on 17/03/2023.
3	Prof. Dr. V. R. Pawar	Published Patent application on the topic "Simple Pipe and Rodbending Attachment".
4	Prof. Dr. S. L. Kore	Recognition as a Ph.D. Research Guide of Savitribai Phule Pune University.
5	Prof. S. A. Itkarkar	Appointed as NSS District Coordinator by NSS, SPPU, Pune in December 2022.
6	Prof. Dr. S. S. Salunkhe	Successfully awarded Ph.D in Electronics Engineering by Bharati Vidyapeeth (Deemed to be) University on 3rd December, 2022 for her research on "Content Based Image Retrieval : A Hybrid Model Approach" .
7	Prof. M. S. Kasar	Published Patent application on the topic "A system for evaluating impact of integration of Banks and Crypto currency in a Demonetarized World" on 02/12/2022.
8	Prof. V. P. Mulik	Published Patent application on the topic "A system for evaluating impact of integration of Banks and Crypto currency in a Demonetized World" on 02/12/2022.
9	Prof. A. B. Vitekar	NPTEL online certification course on subject "Design and Implementation of Human Computer Interface" with Elite grade.
10	Prof. A. P. Yadav	• Published Patent application on the topic "Artificial Integrated Human paradigm through Orthogonal Agility and Sustainable performa" on 16/09/2022. • NPTEL online Certification course on subject "Design and Implement of Human –computer Interface" with Elite grade.

Students Achievement

1. Tanishka Dande(SE1 E&TC) received 2nd prize for Bharatnatyam Dance competition for solo and 1st prize for group.
2. Dhanashree Kadam (TE1 E&TC) received second position in the event ' Chasing Bits ' competition, which was organized by GeeksForGeeks-BVUCOEP and ECSA On 12th October 2022.
3. Sayli Patil, Mitali Waghmode, Shrutika Pawar won 1st prize in 'concept Level International Level Project Competition cum exibition under the guidance of Dr. S.S. Salunkhe organized by PICT, Pune

E&TC Engineering Students Association
Activity List Academic Year-2022-23

Sr, No.	Date	Name of the Activity	Class	Resource Person details (name, address, contact no etc.)
1	07/09/2022	Webinar on "Your study abroad Journey	SE	Mr. Anand Bannatkar, ASAP Foreign Language Institute
2	15/09/2022	Webinar on "Data Sturetures & Algorithms "	SE	Mr. Nagesh Mhatre, Click In Computer
3	28 to 30/09/2022	Zest Fiesta Event	SE, TE, BE	College Level
4	11/10/2022 to 15/10/2022	IOT Workshop	BE	Mr.Chittranjan Mahajan ,Dolphin Lab
5	25/3/2023	Training Demo session on Apttude, Technical	TE	Mr. Aditya Wakodkar , Seven Sense Talent Solution
6	09/03/2023	Training Demo session on Apttude, Technical	BE, SE	Mr. Aditya Wakodkar , Seven Sense Talent Solution
7	11/03/2023	Training Demo session on Apttude, Technical	TE	Mr. Avinash ,Carpe Diem Boot Camp
8	21/03/2023	Training Demo session on Apttude, Technical	TE	Mr. Vishal ,EDU PLUS
9	25/03/2023	Webinar on Coding Supper power	SE	Ms. Bhakti , BrightSea Technology Pvt Ltd.
10	11/04/2023 & 13/04/2023	Placement Assessment Test	SE & TE	Mr. Dipendra Wagh ,Campus Credentials
11	12/04/2023	Workshop on PCB designing	SE	Mr.Chittranjan Mahajan ,Dolphin Lab

Departmental Activities

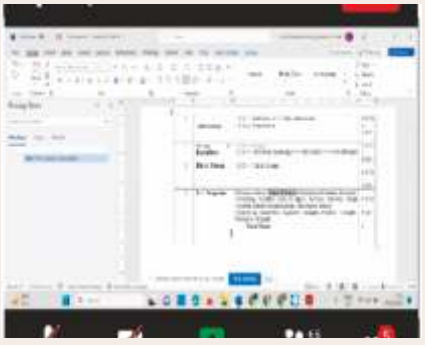
Workshop on "Internet of Things" by Mr. Chittaranjan Mahajan, Founder, Dolphin Labs, Pune. [11-15/10/2022]

Workshop on "Circuit Building and PCB Making" by Mr. Chittaranjan Mahajan, Founder, Dolphin Labs, Pune. [10-12/4/2023]

Seminar on " Study Aboard Opportunities" by Mr. Anand Bannatkar, ASAP Foreign Language Institute [7/09/2022]

Workshop on "Electronic Skill Development " by Mr. Abhijeet Deogirikar [31/1/2022]

Webinar on "Training Demo session on Aptitude and Technical" by Mr. Aditya Wakodkar, Seven Sense Talent Solution [9/03/



Webinar on "Coding Supper Power" by Ms. Bhakti, BrightSea Technology Pvt Ltd.[25/03/2023] .

Activities of Professional Bodies

National level project competition in association with IETE [27/04/2023]

DEPARTMENT OF INFORMATION TECHNOLOGY

Vision:

Globally competent women engineers through excellence in IT education.

Mission:

- Develop requisite skills and competencies in the field of IT.
- Groom students for responsible and rewarding careers in the field of IT.
- Build confidence and personality development through curricular, co-curricular and extra-curricular activities.

Department of Information Technology (IT) was established in the year 2000-2001. The department has an intake of 60 students and has experienced, enthusiastic and dedicated team of faculty members expertise in various fields. Many technical symposiums, industrial visits, seminars, workshops and curricular, co-curricular, extra- curricular activities are organized by the department to make the students self-sustaining in the competitive world.

Prof. Dr. Mrs. D. A. Godse
Ph.D. (Comp. Engg.)
Head of Department

Faculty & Staff of Information Technology Department

Faculty Information:

Staff with Ph.D.: 03
Staff Pursuing Ph.D. : 01
Paper publications in International journals :03
Programs Conducted: 25
International Conference : 02
Programs Attended : 30

SWOC ANALYSIS:

STRENGTHS:

1. Qualified, experienced and dedicated staff with a good faculty retention ratio.
2. Well-equipped laboratories.
3. Faculty members are involved in design, development and implementation of curriculum in the Board of Studies of affiliating universities.
4. Effective use of ICT in teaching learning process.
5. Assistance by staff members for counseling and mentoring of the students.
6. Efficient academic monitoring.
7. Encouragement to the students for implementing research projects.

WEAKNESSES:

1. Inadequate consultancy services.
2. Refinement in aptitude and communication skills for students.
3. Modest employability.
4. Few research publications in peer reviewed international journals have a high impact factor.

OPPORTUNITIES:

1. Promotion for Ph. D.
2. Conduction of FDP and STTP.
3. Organization of national/international conferences and value addition programs.
4. Motivation for sponsored projects.

CHALLENGES:

1. Better Placement in companies.
2. Intensify industry and institute interaction.
3. Establishing apprehension about employment opportunities in IT.
4. Promoting involvement in the summer school and industry internship.
5. Efficacious participation of alumni for strengthening the department.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

1. To understand scientific, mathematical and theoretical foundations of information technologies to address the technological challenges.
2. To possess knowledge and skills in the field of computer engineering and information technology required for higher education, entrepreneurship and IT industry.
3. To acquire good communication/soft skills, presentation, and team work leading to competent professionals to solve multidisciplinary problems with user centric approach.
4. To develop a conscience of ethical practices and commitment towards societal contributions through lifelong learning.
5. To acquaint yourself with modern tools and technologies to enrich novel ideas.







PROGRAM SPECIFIC OUTCOMES (PSOs):

Upon successful completion of UG course in Information Technology, the Graduates will be able to attain following Program Specific Outcomes:

1. Graduates will possess knowledge of IT infrastructure, data management systems, networking and security.
2. Graduates will be able to understand and apply algorithmic techniques and programming skills for providing software solutions in the IT industry.
3. Graduates will be capable of acquiring and demonstrating technical competencies in emerging technologies of Information Technology.

PROGRAM OUTCOMES (POs):

Graduates of IT program will be able to attain,

1. **Engineering knowledge:** Apply the knowledge of mathematics science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments ,analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and teamwork:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

DEPARTMENT ADVISORY BOARD (DAB):

Sr. No.	Name of the Member	Details	Email Id
1	Prof. Dr. S.R. Patil	I/C Principal	sandeep.patil@bharatividyapeeth.edu srpatil44@gmail.com
2	Prof. Dr. D.A.Godse	Head of Dept.	deepali.godse@bharatividyapeeth.edu dipagodse@gmail.com
3	Dr. S. A. Mahajan	BOS(IT) member SPPU	s28.mahajan@gmail.com
4	Prof. S. A. Hadke	Senior Faculty Member	seema.hadke@bharatividyapeeth.edu hadkeseema@gmail.com
5	Prof. S.A. Sagar	Faculty Member	swati.sagar@bharatividyapeeth.edu swatisagarbvcoew@gmail.com
6	Mr. Ashish Govilkar	Industry Persons	ashishgovilkar2006@gmail.com
7	Mr. Amar Kumbhar		amar.kumbhar@gmail.com
8	Ms. Yutika Vora	Alumnae Representative	vorayutika@gmail.com
9	Ms. Prachi Kaladeep		prachikaladeep@gmail.com
10	Mrs. Jyoti Patil	Parent Representative	Jyotipatil7973@gmail.com
11	Ms. Mansi Potre	Student Representatives	mpotre157@gmail.com
12	Ms. Sakshi Patange		sakshipatange1903@gmail.com

PROGRAM ASSESSMENT COMMITTEE:

Sr. No.	Name of the Member	Details	Email Id
1	Prof. Dr. D. A. Godse	Program Coordinator	deepali.godse@bharatividyapeeth.edu dipagodse@gmail.com
2	Prof. M.A. Rane	T & P Coordinator	mugdha.rane@bharatividyapeeth.edu ranemugdha@gmail.com
3	Dr. K. A. Malgi	Industry -Institute Cell Coordinator	ketaki.naik@bharatividyapeeth.edu ketakin@gmail.com
4	Prof. S.A. Sagar	In-charge Cocurricular Activities	swati.sagar@bharatividyapeeth.edu swatisagarbvcoew@gmail.com
5	Prof. K. V. Patil	Result Analysis Coordinator	kamlesh.patil@bharatividyapeeth.edu kambpatil@gmail.com

Faculty List of Information Technology Department

Sr. No.	Name of Staff Member	Designation	Qualification	Experience (Years & Months)
1	Prof. Dr. D. A. Godse	Prof. & Head	Ph.D. (Comp. Engg.)	30.8
2	Prof. Dr. K. A. Malgi	Assoc. Prof.	Ph.D. (Computer Science & Engg)	22.1
3	Prof. S. B. Dhuttargi	Asst. Prof.	M.E. (Computer)	23.10
4	Prof. M. A. Rane	Asst. Prof.	M. Tech. (Computer)	16.10
5	Prof. S. A. Sagar	Asst. Prof.	M.E. (Computer)	16.4
6	Prof. S. A. Hadke	Asst. Prof.	M.E. (I.T.)	17.4
7	Prof. A. D. Khairkar	Asst. Prof.	Ph.D. (Pursuing)	14.10
8	Prof. A. V. Kanade	Asst. Prof.	Ph.D. (Pursuing)	14.10
9	Prof. Dr. S. S. Thite	Asst. Prof.	Ph.D. (Information Technology)	15
10	Prof. N. A. Mulla	Asst. Prof.	Ph.D. (Pursuing)	15.10
11	Prof. K. V. Patil	Asst. Prof.	M. Tech. (I.T.)	6.5

STAFF INFORMATION (NON-TEACHING):

Sr. No.	Name of Staff Member	Designation
1	Mr. S.N. Chavare	Senior Technology Support Engineer
2	Mr. A. S. Gaikwad	Technical Assistant
3	Mr. S. B. Yadav	Clerk

Features

- Highly qualified, experienced and enthusiastic faculty with good retention ratio.
- Well-equipped laboratories.
- Robust networking with high speed internet and Wi-Fi connectivity.
- ICT equipped classrooms.
- Department library facility.
- Excellent academic performance.
- Students' recruitment in multi-national companies through T&P activities.
- Industrial visits to reputed industries.
- Organization and participation in various events under Association for Computing Machinery (ACM) Student Chapter.
- Conduction of curricular and co-curricular activities under Information Technology Students' Association (ITechS'A).
- MoUs with reputed industries and academia.
- Organization and participation in Intercollegiate, District, State and National level conferences, workshops, seminars, and Faculty Development Programs (FDPs).
- Organization of Industry Institute Interaction programs to enhance employability.
- Certificate courses for students to bridge gap between industry and academics.

Laboratories

Network Lab

Operating System Lab

System Lab

Software Lab

Language Lab

Hardware Lab

STAFF ACHIEVEMENTS:

Sr. No.	Name of Faculty	Achievement
1	Prof. Dr. Sandip Thite	Received an incentive grant of 2,50,000/- Rs. from Ministry of Electronics and Information Technology, Government of India, Ph.D. for successful completion of the Ph.D. under Visvesvaraya PhD Scheme for Electronics & IT.
2	Prof. K. V. Patil	Published a Patent on "The Classification technique for the face spoof detection in artificial neural networks using the concept of machine learning" dated 25/11/2022, (Appln. Id:202221066095).
3	Prof. K. V. Patil	Published a Patent on "The Heart disease prediction using technique of classification in machine learning using the concepts of data mining" dated 30/12/2022, (Appln.Id:202211073508).
4	Mrs. S. B. Dhuttargi	NPTEL online Certification course on subject "Distributed System" with Elite+Silver grade.

STUDENTS' ACHIEVEMENTS (TECHNICAL EVENTS):

Sr. No.	Name of The Student	Class	Type of Achievement	Organized By
1	Dhanashree Vaidya	BE	Secured third position in Prakalp 2023 (Project Competition and Exhibition)	Dept of IT under INNOVISION-2023- A National Level Techno-Social Symposium conducted by JSPM Group of Institutes Tathawade Campus, Pune.
2	Manavi Kamble			
3	Isha Mishra			
4	Prajakta Thorat			
5	Bangar Sakshi	BE	Qualified for 2nd round (Jury round) of NES Innovation Awards 2023 Qualified as one of the top 50 teams	GTT Foundation
6	Gupta Garima			
7	Gupta Ishika			
8	Patange Sakshi			
9	Rupali Dakore	BE	Qualified for 2nd round (Jury round) of NES Innovation Awards 2023 Qualified as one of the top 50 teams	GTT Foundation
10	Sakshi Kolte			
11	Pragati Bhakkad			
12	Janhavi Patil			
13	Amina Khalid Shaikh	TE	Received 1st Prize in Avinya 2023- Portfolio Building	BVCOEW
14	Mhaske Kirti Dattatray	TE	Selected for 2nd round (Top 120) out of 35,000 students in MaTPO Aptitude Idol Test	Maharashtra Association of Training & Placement Officers and DTE, Mumbai
15	Anam Wasim Bagwan	TE	Received 1st Prize inHaktech Event (hackathon)	BVCOEW
16	Ghanishta Rane	TE	Received 3nd Prize Avinya 2023-TechTrix (Technical Quiz)	BVCOEW
17	Smiti Chandwadkar			
18	Trupti Pacharne			

STUDENTS' ACHIEVEMENTS (NON TECHNICAL EVENTS):

Sr. No.	Name of The Student	Class	Type of Achievement	Organized By
1	Pudale Manasvi Dilip	SE	Selected for Interzone Handball competition	Savitribai Phule Pune University
2	Sejal Pawar	TE	Received a skoda watch by Skoda Auto Volkswagen	Lila Poonawalla Foundation
3	Trupti Ananda Pacharne	TE	Second rank with Rs.4000/- as prize money	Yashwantrao Mohite College of Arts, Science and Commerce, Erandwane, Pune-38
4	Sejal Pawar	TE	Certificate and Dell laptop received	BMC Software
5	Shraddha Jadhav	TE	Certificate and Dell laptop received	BMC Software

ACTIVITIES ORGANIZED FOR STUDENTS:

MOU Activities

Sr. No.	Date	Name of the Activity	Class	Resource Person details (name, address, contact no etc.)
1	14/10/2022	Seminar on Learning track for Internship and Placement	SE	Mr. Rahul Ahire, Director, Link-Code Technologies
2	17/10/2022	Programming in multilayer neural network model	TE & BE	Mr. Yogesh Murumkar, Bharat Soft Solutions,Pune
3	15/10/2022	Seminar on Internship opportunities in advanced IT Trends	TE	Dr Prakash Sharma, founder Pcombinator and Passion Infotech,Pune
4	29/10/2022	Webinar on Extra steps for getting placed quickly	TE	Mr. Qaidjohar Jawadwala, QJ Technologies, Pune
5	7/10/2022	Careers in Information Technology	SE	Ms. Nidhi Raut, Founder and Ms. Bhagyashree Raut, co-founder, Swaptechnobiz Pvt. Ltd, Pune
6	18/10/2022	Current Trends in the Industry	TE	Mr.Amol Aher(Founder & Director) KasNet Technologies Pvt Ltd., Narhe Industrial Estate, Narhe, Pune-41

7	16/02/2023	Introduction to Angular	SE	Mr. Rahul Ahire, Director, Linkcode Technologies Pvt. Ltd., Pune
8	11/03/2023 to 10/05/2023 (30 hr.)	Master in Front End Development Using Angular	SE	Mr. Pritam Kamble, MEAN Stack Developer/Flutter Developer, Biz2credit and trainer at Linkcode Technologies
9	7/05/2023	Why Python Programming is a Future Skill for Every Learner	TE	Mr. Parth Shukla, Founder, 9Ledgepro
10	12/05/2023	Industry Requirements for landing a good job	SE	Mr. Qaidjohar Jawadwala, QJ Technologies, Pune
11	19/05/2023	CICD with Docker and Kubernets	BE	Ms. Swagatika Mahapatra, Veritas
12	11/05/2023	How to plan for Start-up	BE	Dr Prakash Sharma, founder Pcombinator and Passion Infotech,Pune
13	20/05/2023	Entrepreneurship and Innovation		
14	17/10/2023 to 30/04/2023	Internship on Generative Artificial Intelligence and Google data studio	TE	
15	25/05/2023	A Webinar on Raspberry Pi	SE	Mr. Atul Wadkar, Director Algorithmic Electronics
16	1/08/2022 to 30/04/2023	BE Major Project	BE	Mr. Ajinkya Nakve
17	11/04/2023	Drupal- Content Management System	TE	Mr. Ganesh Devkate

INFORMATION TECHNOLOGY STUDENTS' ASSOCIATION (ITechS'A)

ITechS'A ACTIVITIES:

Sr. No.	Name of the Activity	Class	Resource Person Details	Date
1	Seminar on Programming Techniques	SE	Mr. Nagesh Mhetre, Click in Computers	30/08/2022
2	Seminar on Study Abroad Opportunities (Foreign Languages)	SE	Mr. Anand Bannatkar, ASAP (As Soon As Possible) Foreign Languages Institute	07/09/2022
3	Seminar on Career opportunities in Indian Armed Forces for women-come join the team	SE	Group Captain Sanjay Pethkar(Retd)	16/09/2022
4	Seminar on Higher Studies Abroad and Further Opportunities and IELTS	TE	Mr. Yogesh Ranga and Mr. Rahul Kamble, IDP Pune Dnyanesh Complex, 1179/3, Modern College Road,Nr. Dnyaneshwar Paduka Chowk, Shivaji Nagar, Pune-411005	16/09/2022
5	Seminar on Career Opportunities in IT	SE & TE	Mr. Mohan Dhanve, IANT J. M. Road Pune 1st Floor, Laxmi Sadan, Opp. Kalmadi Petrol Pump,Above Arrow Showroom, J.M. Road Pune-411004	23/09/2022
6	Seminar on How can students get 100% scholarship to study abroad	TE & BE	Mr. Subhash Pol, BDM, Edwise International, Pune	14/10/2022
7	Higher Education and Career Opportunities	BE	Ms. Vinisha Sunil Chavan (Study Abroad -Team Lead) Study Smart ,307,Insignia Building,Pune 411001	06/02/2023
8	Training Demo of Aptitude and Technical Training.	TE	Mr Vivek and Mr. Pratyus Pratye Seventh Sense,Talent Solutions #26, 1st A cross, 3rd Phase, 5th block,3rd stage, Banashankari,Banglore,560085	25/02/2023
9	Training Demo of Aptitude and Technical Training(Seventh Sense Talent Solution)	SE & BE	Mr. Vivek and Mr. Saqlain Shariff Seventh Sense,Talent Solutions #26, 1st A cross, 3rd Phase, 5th block,3rd stage, Banashankari,Banglore,560085	09/03/2023
10	Training demo by Carpe Diem Boot Camp	TE	Mr. Avinash Pathak Carpe Diem Boot Camp B-102, Kirti Elgant, Mahalunge, Pune 411045	11/03/2023
11	Training Demo by Eduplus	TE	Mr. Sachin Satpute and Mr. Vishal Mohurle Eduplus, 34A/1, Suyog Center, 6th floor, Market Yard Road, Gultekdi, Pune 411037	21/03/2023




12	Webinar on Coding Super Power: Go Easy with C++ and Logic Building	SE	Bright Sea Technology Pvt.Ltd. Office No 504, Amanora Chambers, opposite SEASONS MALL, Amanora Park Town, Hadapsar, Pune, Maharashtra 411028	25/03/2023
13	Guest Lecture on Computer Network and Security	TE	Prof. Dr. Sandip Thite Vishwakarma University, Pune	29/3/2023

ASSOCIATION FOR COMPUTING MACHINERY (ACM) ACTIVITIES

ACM EVENTS ORGANIZED:

Sr. No.	Name of the Activity	Class	Resource Person Details	Date
1	Webinar on Security and Trust	SE and TE	Kaarthik Sivakumar, Principal Engineer, Cisco Systems, Banglore	18/10/2022
2	Seminar on SMAC Technologies and the Future	SE and TE	Ajay Deshpande, Senior Director, Icertis	23/03/2023

INDUSTRIAL VISIT:

Industrial Visit at CDAC,Pune 17th April,2023

Industrial Visit at COEP's Bhau Institute 24thMay 2023

Departmental Activities

Seminar on "Internship opportunities in advanced IT Trends" by Dr Prakash Sharma, founder Pcombinator and Passion Infotech, Pune [15/10/2022]

Workshop on "Programming in multilayer neural network model" by Mr. Yogesh Murumkar, Bharat Soft Solutions, Pune [17/10/2022]

A Seminar on "Current Trends in the Industry" by Mr.Amol Aher, Founder & Director KasNet Technologies Pvt Ltd., Narhe Industrial Estate, Narhe, Pune[18/10/2022]

Workshop on "Master in Front End Development Using Angular" by Mr. Pritam Kamble, MEAN Stack Developer/Flutter Developer, Biz2credit, [Started on 11/03/2023 for 30 Hrs.]

Association for Computing Machinery (ACM) Activities:

Webinar on "Security and Trust" by Mr. Kaarthik Sivakumar, Principal Engineer ,Cisco Systems, Bangalore [18/10/2022]

Seminar on SMAC Technologies and the Future by Mr. Ajay Deshpande, Senior Director, Icertis [23/03/2023]

ITech'SA Activities

Seminar on "Career opportunities in Indian Armed Forces for women-come join the team" by Group Captain Sanjay Pethkar (Retd), Indian Air Force Pilot, Selection Board Assessor, Armed Forces Trainer Dignitary Defense Academy [16/09/2022]

Webinar on "Machine Learning" by Mr. Manish Singh, Head Institutional Collaboration, ATS Learning Solutions [22/9/2021]

Seminar on "Career Opportunities in IT" by Mr. Mohan Dhanve, IANT J. M. Road Pune [23/09/2022]

Webinar on 'Training Demo of Aptitude and Technical Training" by Mr. Vivek and Mr. Saqlain Shariff, Seventh Sense Talent Solution[09/03/2023]

Administrative Staff

DEPARTMENT OF COMPUTER ENGINEERING

Prof. D. D. Pukale
Ph.D. (Pursuing)
Head of Department

Vision:

Pioneers in women computer engineering by providing competent technical knowledge and enriched social awareness.

Mission:

- To inculcate quality education in various domains of Computer Engineering.
- To encourage students to showcase their talents and search the community needs.
- To improve technical competency to provide value added training.

Computer technology in engineering reflects the image of modern and developed society. The objective of the department is to seek all-round development of students, which will make them sound in technical brilliance, academic excellence and more matured and proficient to face and tackle the competition. In today's era, of fast industrial growth and development in the technology, obligates the students to be adaptable to the changing needs of the industries, acquaint with the emerging technology. The department has young, dynamic, highly qualified and experienced staff who are always striving to upkeep themselves with emerging horizons in the technical arena. The department continues to encourage faculties in their endeavor and broaden their knowledge through various certifications, such as AWS. This is beneficial for students to widen their placement opportunities. In the current pandemic situation, the department is fully equipped for the conduction of online lectures and practicals.

The department manages 6 laboratories which are well equipped with latest configuration hardware machines with latest operating systems and softwares installed on machines. A separate Internet Center is managed by the department and is used for developing web based projects and avail the internet facility for the students.

The department on regular basis organizes visits to the various computer organizations and institutions which are well established in computer oriented technological development and innovations. The department aims to be the center of excellence and the hub for multi-disciplinary research.

Faculty & Staff of Computer Engineering Department

Faculty Information :

Staff with Ph. D.: 03,

Staff with Pursuing Ph. D.:04

Paper Publications:

Journals : International: 06

Conference : International: 02

Workshops attended by staff: 43




SWOC Analysis:

A. Strengths:

1. Student centric process (Guardian Faculty Member, Mentor).
2. Conducive working and Learning leading to faculty and staff retention
3. Good Infrastructure Facility with well-equipped laboratories and classrooms.
4. Encouraging environment for students and faculty for participating in technical and social activities.
5. Effective academic monitoring leads improvement in student performance.
6. Co-curricular activities like NSS, student's association lead to overall development of students.
7. Improved aptitude and communication skill of students.

B. Weakness:

1. Lack of consultancy projects.
2. Improvement in aptitude and communication skill of students.
3. Less research publication in Scopus or web of science citation.
4. MoUs with institutes need to be improved.

C. Opportunity:

1. Promoting industrial training to staff.
2. Contribution in conducting Faculty Development Programme. Short Term Training Programme, Conference
3. Increase external funding for projects, FDP's, and conferences through various funding agencies.
4. Conduction of value added technical certifications for the students.
5. Promoting interdisciplinary projects.
6. Better quality publication with peer reviewed journals

D. Challenges:

1. Promoting consultancy, sponsored project And MOUs from industry.
2. Centre of excellence for latest industrial technology.
3. Training the major hub of students coming from rural background.

Program Educational Objectives (PEOs):

PEO1: The graduate of the program will implement strong fundamental domain knowledge to solve engineering problems with modern tools and technology..

PEO2: The graduate of the program will work as a committed professional demonstrating strong ethical practices with understanding of social responsibilities for betterment of society.

PEO3: To prepare a motivated graduate by inculcating multidisciplinary thinking through research attitude and lifelong learning.

PEO4: To prepare graduates with strong communication and leadership skills to work effectively as an individual as well as in teams.

Program Specific Outcomes (PSOs):

Graduate will be able to

PSO1. Professional Skills: The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems of varying complexities.

PSO2. Problem-Solving Skills: The ability to apply standard practices and strategies in software project development using open-ended programming environments for betterment of society.

PSO3. Successful Career: Empower women with modern computer languages, environments, platforms, communication and leadership skills to build a successful career

Program Outcomes (POs):

On completion of the program graduate will be able to

PO1.Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2. Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9. Individual and teamwork : Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Department Advisory Board (DAB):

Sr. No.	Name of the Member	Designation
1.	Prof. Dr. S. R. Patil	In charge Principal
2.	Prof. D. D. Pukale	Head of Dept.
3.	Prof. M. L. Dhore	BOS (Computer Engg.) Member
4.	Dr. S. P. Kadam	Senior Faculty Member
5.	Mr. Nikhil Kulkarni	Industry Persons
6.	Ms. Shivani Gogavale	Alumni
7.	Ms. Laxmi Dabade	Alumni
8.	Mr. Hemant Adhikari	Parent Representatives
9.	Mr. Jitendra Jamdade	Parent Representatives

Department Program Assessment Committee (PAC)

Sr. No.	Name of the Member	Designation
1	Prof. D. D. Pukale	Head of Dept.
2	Mrs. P. D. Kale	Training and Placement coordinator
3	Mrs. V. D. Kulkarni	Industry Institute Interaction
4	Ms. A. P. Kadam	Result Analysis In-charge
5	Ms. N. I. Dalvi	Co-curricular activities in-charge
6	Ms. S. A. Pawar	Result Analysis coordinator

Faculty of Computer Engineering Department

Sr. No.	Name of the Staff	Designation	Qualification	Experience (Years and Months)
1	Prof. D. D. Pukale	Associate Professor & Head	Ph.D.(pursuing) M.E. (CSE)	28
2	Prof. Mrs. P. D. Kale	Associate Professor	M.E. (Comp)	27
3	Prof. Dr. S. P. Kadam	Associate Professor	Ph.D. (Computer Engg.)	17.7
4	Prof. Mrs. S. B. Jadhav	Assistant Professor	Ph.D.(pursuing)	17.9
5	Prof. Mrs. A. P. Kadam	Assistant Professor	Ph.D.(pursuing)	16.2
6	Prof. Mrs. V. D. Kulkarni	Assistant Professor	M.Tech. (I.T.)	16.2
7	Prof. Mrs. K. S. Warke	Assistant Professor	M.Tech. (I.T.)	15.6
8	Prof. Mrs. K. S. Sawant	Assistant Professor	M.Tech. (I.T.)	14.5
9	Prof. Mrs. J. D. Jadhav	Assistant Professor	M.Tech. (Comp)	14.1
10	Prof. Mrs. N. I. Dalvi	Assistant Professor	M.Tech (I.T.)	12.6
11	Prof. K. D. Yesugade	Assistant Professor	Ph.D.(pursuing)	19.3
12	Prof. Dr. S. A. Pawar	Assistant Professor	Ph.D.(Computer Engineering)	10.5
13	Prof. Dr. S. A. Deshmukh	Assistant Professor	Ph.D.(Computer Engineering)	9.11

STAFF INFORMATION (NON-TEACHING):

Sr. No.	Name of Staff Member	Designation	Qualification	Exp. (Yrs. & months.)
1	Ms. N. I. Dalvi	Lab. Asst.	Diploma in Computer Techno	17
2	Ms. G. A. Mohite	Jr. Clerk	M.A.(Sociology)	9.8
3	Mr. V.V. Patil	Lab. Asst.	M.Tech (Mechanical)	18

Features

- Students are encouraged to work on research oriented software project based on IEEE Journal papers.
- Motivation to students to participate in various project exhibitions in various colleges and universities.
- Conduction of Personality development programs for students overall growth.
- Organization of various career oriented short term training programs for students.
- Organization of various subject relevant and project based guest lectures for students.
- Recruitment of students in various reputed multinational companies through training and placement activities.
- MoU with reputed industries like Microsoft under the "Microsoft Academic Alliance Program".
- Membership with AWS Academy for conducting AWS workshops and training for faculties as well as students.
- Up to date department library with all books, journals etc.
- Very powerful platform for students in the form of C.E.S.A.(Computer Engineering Students Association) and Computer Society India (CSI Student branch) to develop the various skills.
- Organization of Industrial Visits to reputed software industries.
- Registration of students to certificate courses by students for bridging gap between industry & academics.

Laboratories

Computer Organization Lab

Hardware Lab

Software Lab II

Project Lab

Linux Lab

Development Center

STAFF ACHIEVEMENTS:

Sr. No.	Name of faculty	Achievement
1	Dr. Sonali Kadam	Published paper having title "Recent advances of Artificial Intelligence (AI) for Nanobiomedical Applications: Trends, Challenges and future prospects", in the book "Disruptive Developments in Biomedical Applications".
2	Dr. Shital Pawar	• Successfully completed Ph.D. on title "Evaluation of Quality of Service Parameters for Security Enhancement of IoT Application", under the guidance of Prof. Dr. S. H. Patil, from Bharati Vidyapeeth (Deemed to be) University College of Engineering, Pune, Maharashtra. • Published paper having title "A Strategic approach to Model the Machine to Machine Communication of Industrial IoT system for MQTT Protocol with a Case Study", in Proceedings of 3rd International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication. **Lecture Notes in Electrical Engineering (LNEE)**
3	Prof. K.D.Yesugade	Successfully completed certification course in "Deep Learning", organized by Skillup by Simlilearn with Score 100%
4	Prof.N.I.Dalvi	Successfully completed certification course on "AWS Academy Machine Learning for Natural Language Processing", organized by AWS Academy with score of 96%.
5	Prof. Dr.Sonali Kadam	Successfully completed certification course on "AWS Academy Machine Learning for Natural Language Processing", organized by AWS Academy with score of 96%.
6	Prof. S. P. Deshmukh	Successfully completed Ph.D. on title "Development of IoT Broker Architecture Algorithm with Protocol Support for Multimodal Communication", under the guidance of Prof. Dr. S. B. Vanjale, from Bharati Vidyapeeth (Deemed to be) University College of Engineering, Pune, Maharashtra.

Departmental Activities

- Prof. D. D. Pukale has organized one day Online Faculty Orientation Program for new revised syllabus of SE Computer of subject "Computer Graphics", on 4th July 2020 in association with Board of Studies, Computer Engineering.
- Prof. Dr. S. P. Kadam has organized one month Online workshop for third year students on "AWS Cloud Practitioner" from 21st January 2021 to 28th February 2021.

STUDENTS' ACHIEVEMENTS (TECHNICAL EVENTS):

Sr. No.	Name of Student	Class	Achievement
1	Malishka Salke	SE	Second Position in "National Paper and Poster Presentation Competition" organized by Bharati Vidyapeeth's Jawaharlal Nehru Institute of Technology, Pune
2	Saba Sayyad	SE	Successfully completed IBM certification on "Introduction to Cyber Security Tools and Cyber Attacks"
3	Sae Jamdade	SE	Successfully completed course on "Data Centre Technician" and "Operations Technician", organized by AWS ACADEMY.
4	Mitali Chavan	SE	Successfully completed certification course on "Cyber Security" organized by VERZEO.
5	Tanmayi Chavan	TE	Successfully completed certification course on "Azure AI Fundamentals", organized by Microsoft ATS Infotech.
6.	Ketaki Dandgavale		
7.	Madhavi Sharma		
8.	Siddhi Choughule		
9	Aishwarya Kottapalli	BE	Presented paper titled "Prediction of Stock Prices Using Sophisticated Machine Learning Technique" guided by Prof. P. D. Kale, in Paper Presentation Avinya- 2023, Organized by Bharati Vidyapeeth's College of Engineering for Women Pune, on 27th April 2023 and **Won First Prize**.
10	Shital Patil		
11	Suhasi Gadge		
12	Piyusha Patil		
13	Kajal Gadekar	BE	**Won 3rd Prize** in Capgemini CodeX Hackathon (Project Competition), Organized by Capgemini, on 11th May 2023. The title of the project was "EcRD: Edge-cloud Computing Framework for Smart Road Damage Detection and Warning", guided by Prof. A. P. Kadam.
14	Anuradha Birajdar		
15	Rakshanda Borse		
16	Ankita Tilekar		

DEPARTMENT ACTIVITIES:
ACTIVITIES ORGANIZED FOR STUDENTS:

Sr. No	Activity Name	Activity Details	Class	Semester	Resource Person details (name, address, contact no etc.)	Date
1	Audit Course	German Language Module I	SE	Sem I	Ms. Renuka Phatak 9529759200	23/11/22 to 3/12/2022
2	Audit Course	German Language Module II	SE	Sem II	Ms. Renuka Phatak 9529759200	11/04/2023 to 25/05/2023
3	Audit Course	Cyber Security	TE	Sem I	Mrs. Pallavi Ladkat, 8698753464	10/09/2022 to 8/11/2022
4	Audit Course	Leadership and Personality Development	TE	Sem-II	Ms.Sfurti Sahare, 9075148459	15/04/23 to 20/05/23
5	Certification course	AWS Academy Data Center Technician	SE	Sem-II	Prof. Dr. S.P. Kadam	24/04/2022 to 21/10/2022
		AWS Academy Data Engineering	BE	Sem- II		25/04/2023 to 03/05/2023
		AWS Academy Introduction to Cloud Semester 1	TE	Sem II		10/03/2023 to 22/05/2023
		Machine Learning for Natural Language Processing	TE	Sem II		8/02/2023 to 25/02/2023
6	Certification course	AWS Academy Introduction to Cloud	TE & BE	Sem-II	Prof.A.P.Kadam	15/04/2023 to 24/05/2023
		AWS Academy Introduction to Cloud Semester 2	TE	Sem II		10/03/2022 to 24/05/2023
7	Certification course	AWS Academy Introduction to Cloud Semester 1	TE	Sem-II	Prof.K.D.Yesugade	10/03/2023 to 22/05/2023
		AWS Academy Introduction to Cloud Semester 2	TE	Sem II		10/03/2022 to 24/05/2023

CSI Events Organized:

Sr. No.	Date	Name of Activity	Resource Person info	Class
1	16/10/2022	Webinar on "Data visualization using Qlik Sense"	Mrs. Sumitra Pundlik , MIT, Pune	SE, TE
2	4/03/2023	Webinar on "Spring Framework of Java"	Apurva Kulkarni Software Developer at LTI - Larsen & Toubro Infotech, Pune	TE
3	21/03/2023	Seminar on "Cloud Computing and Web Hosting Services"	Mr. Mayur Shah, Head Dept. of Technology (Maintenance), Bharati Vidyapeeth ,Pune.	TE, BE

INDUSTRIAL VISIT :-

1) Industrial Visit to "Software Technology Park of India"

2) Industrial Visit to "Centre for Development of Advanced Computing (CDAC)":

Activities Organized under Computer Engineering Student Association:

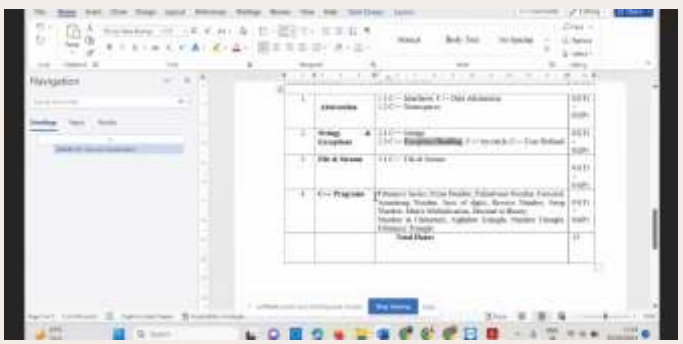
Seminar on “Carrier Opportunities in the Armed Forces for Women” by GP CAPT. Sanjay Pethkar Dignitary Defence Academy. [23/9/2022]

Seminar on “Higher studies opportunities and IELTS exams” by Mr. Rahul Kamble Sr. IELTS Operation executive.[20/9/2022]

Seminar on “How can students get 100% scholarship” by Mr.Subhash Pol Business devlopment Manager.[10/11/2022]

Two days workshop on “Python Programming” by Mr. Atul Wadkar Director, Algorithmic Electronics, Pune.[23-24/11/2022]

Webinar on “Coding and Aptitude” by Aditya Wakodakar Corporate trainee Seven Sense Pvt. Ltd.[25/02/2023] &[09/03/2023]



Webinar on "Coding Super Power: Go Easy with C++ and Logic Building" on 3/24/2023 by Bhakti Jagtap Director, Bright Sea Technology OPC Private Limited

Seminar on “Cloud Computing and Web Hosting Services” for TE and BE Computer Engineering, by Mr. Mayur Shah, Head Technology (Maintenance), Bharati Vidyapeeth, Pune.

LIBRARY

Our college library has sufficient number of reference books, textbooks, E-Books, National Journals /Periodicals to satisfy the requirements of the AICTE and syllabus of the university. As far as the reading interest of students is concerned literatures, Biographies, daily news papers (English, Hindi and Marathi languages), Book Bank cheme for S.C./S.T. students, Book Bank scheme for Topper students, Internet 155 MBPS, WI-FI connectivity, E-resources, etc are also available in good number. ibrary area is 408 sq. m. and spacious reading hall of capacity near about 200 tudents is available. Library facility is available as per the need of students and aculty.

Mr. V. S. Birajdar
M.A., M. Lib. & I.Sc., SET
Librarian

Features of Library

- The CCTV cameras are set for surveillance.
- Reprographic Services.
- Printing Facility.
- Wi-Fi connectivity & Internet Facility.
- Digital Library
- Printing and Download facility of E-Journals, E-Books, DELNET, SCOPUS Index, NDLI Membership etc.
- OPAC / WEBOPAC. Link : 172.16.84.27/webopac
- Inter Library Loan Services (DELNET).
- Open Access Facility for staff and Students.
- Book Bank Scheme for S.C. /S.T. students and Toppers.
- Question Papers Set.
- SPPU Syllabus copy
- User orientation and awareness services.
- Special facilities offered by the library to the visually/physically challenged persons.
- Notice Boards for Important notices.
- Suggestion Box for Student Feedback.

Library has well equipped and separate reading hall for staff and students. Libraries atmosphere is very peaceful and has well qualified staff.

Library Books Shelves

Books Circulation Counter

OPAC- Online Public Access Catalog

Journals / Periodicals Section

Digital Library & Reference Section

Students Reading Hall & Newspaper Section

TRAINING CELL

ABOUT TRAINING CELL:

The Training cell is established in the institute in the academic year 2017-18. Students are led to take the initiative to develop their attitude in the workplace, soft skills and are given the opportunity to develop technical skills alongside analytical capabilities. It also prepares student to become compatible to the needs of communication skill set. The Training Cell aims to expose students to the nature of the corporate world therefore providing insight to their future professional careers.

Prof. S.T. Khot
Ph.D. (Pursuing)
Training Cell Co-ordinator

HIGHLIGHTS OF THE ACTIVITIES HELD:

1. **Capacity Building Programme for SE**: These sessions focuses on different VAK learning styles, Knowing yourself, Life values, How to do self and peer diagnosis and SWOC analysis. Many fun activities are also conducted in the process to cheer up the students and help them boost confidence. Every student is able to self-analyze their own Strengths, Weaknesses, Opportunities and Challenges. At the end, this does help the students in their placement recruitment process and to achieve a great future.

2. **Capacity Building Programme of Students by Students (Peer to Peer Training Programme):** In this training programme, BE students who are placed in various MNC companies deliver the seminars to SE and TE students on various topics such as Aptitude test, Coding, Technical, HR interviews and Company Specific Training. The entire programme covers all the aspects of placement procedures, professional future post and completing graduation. It eases and prepares the students for their future journey.

   Peer-to-peer training session was organised for the students of second and third year.The session was conducted by senior students placed in various renowned companies. The training was conducted on 13th May 2023. The senior students provided valuable insights and guided their peers throughout the placement procedure, which includes aptitude, coding, and technical rounds, group discussions and finally HR interview.

The sessions were divided into five categories:

- Aptitude
- Coding
- Group Discussion and HR Interview
- Technical Interview
- Company Specific Training

3. **Club Activities:**

   Coding, Aptitude, and HR clubs are the co-curricular activities offered in the college to help students develop valuable skills and prepare for their future careers. These clubs offer a range of activities and resources to support student learning and professional development. Coding clubs provide students with opportunities to develop their coding skills through coding competitions, hackathons and coding tutorials. Aptitude clubs focus on developing students' problem-solving and critical thinking skills through aptitude tests, puzzles, and quizzes. These clubs often organize mock aptitude tests and provide resources to help students prepare for various aptitude exams that they may encounter in their career.HR clubs focus on providing students with information and resources related to human resources management. They help students develop skills related to recruiting, hiring, and managing employees, as well as soft skills such as communication, teamwork, and leadership.

   Overall, these clubs play an important role in helping students develop skills beyond the classroom, preparing them for the challenges and opportunities they may encounter in their future careers.

   A. Coding Club B. Aptitude Club

   C. HR Club D. Test Series Club

Peer to Peer Training Programme

Capacity building program by staff for SE students

PLACEMENT CELL

For strengthening Industry-Institute interaction our institute has a strong Training and Placement Cell. The cell organizes many technical and allied events such as workshops, seminars, expert lectures on improving student personality and soft skills. Placement activities are carried out rigorously so as to make our student ready to cater the industries by all aspects.

Prof. P. D. Kale
M.E. Computer, MBA Marketing
Placement Cell Coordinator

Features:

- **Accreditation:** College is accredited by TCS Company.
- Soft skill development program for 60 hrs.
- **Seminars:** To enhance the employability of students, we conduct the Seminars on cracking of aptitude test, GD and Interview Techniques.

Students Placed in the Academic Year 2018-19 with Principal, Prof.(Dr) S.R.Patil
Placement Cell Coordinator Prof. Mrs. P. D. Kale & team.

Achievements

- Students Placed till date: 1945.
- 46 Companies Visited.
- A.Y.2022-23, 201 Offers till 08th May 2023
- Dept.wise placement :- Computer :- 81 , IT:- 54, E&TC:- 66

Company wise Placement :- (14-PERSISTENT,42-CAPGEMINI, 02-PRINCIPAL GLOBAL SERVICES, 23-ACCENTURE, 01- THOUGHT WORKS, 10-NIELSEN IQ , 01 –IBM, 01- IDFY, 13 –AMDOCS, 12- VODAFONE IDEA , 37-VOIS , 02-CIMPRESS, 03 - HURON , 01 – NTT DATA, 06 - SPARK MINDA , 08- STANDARD CHARTERED GBS , 07 -STRIDLEY SOLUTION , 05 - TCS , 05 - UNO MINDA LIMITED, 08- L&T TECHNOLOGY)

- MOU with ZENSAR for 432 hours ESD (Employability skill development program) about 122 Students have been shortlisted for this program.
- Maximum Salary offered : 12.00 Lakh/Annum
- Minimum Salary offered : 3.00 Lakh/ Annum
- Average Salary offered : 4.75 Lakh Annum

INDUSTRY-INSTITUTE INTERACTION CELL

Prof. Dr. S. M. Rajbhoj
Ph.D. (Electronics)
IIIC Coordinator

To increase industry institute interaction and for betterment of student and make them industry ready, college has an Industry Institute Interaction Cell. Through this cell platform for industrial internship is provided. Student of college were provided with platform to register with INTERSHALA India's largest internship platform for various internship in field of Computer, IT and E&TC by this cell. The entire student has registered on it.

All the students of all branches were registered for Internshala Grand Summer Internship Fair, an initiative to provide a platform where your students can explore 23,000+ internships and get visibility among the top brand. Stipend up to ₹65,000/month and Access to internships and job opportunities in 23,000+ top companies like Airtel, SBI Funds, Cleartax, Decathlon, Dunzo, IIT Bombay, and many more was been provided.

Bharati Vidyapeeth's College Of Engineering For Women, Pune has secured All India Rank 88 among 500+ colleges participating in Internshala Annual Rankings for the year 2022.

Students undergone for internship training the data for total internship is as follow for Academic Year 2022-23.

SE - 7 TE- 305 BE- 42

Total students registered on AICTE internship portal is as follow for Academic Year 2022-23.

AICTE Grants Received during A.Y.2021-22

RESEARCH & DEVELOPMENT

Prof. Dr. V. R. Pawar
Ph.D. (Electronics)
Research Co-ordinator

Research is playing significant role in a professional growth of the institute. The institute encourages it in all measures. To foster novelty, innovation, and lifelong learning, active initiatives are taken by the institute. Research cell has been formed to coordinate the research activities.

To inculcate the research culture among faculty members and to enhance research activities among the students various initiatives are taken. AICTE ATAL FDP was organized on the emerging topic," Machine Learning". Seminars, webinars, hands on sessions and Faculty Development Programs, Student Development Programs are organized in collaboration with the reputed institutes.

AICTE Grants Received during A.Y.2022-23

Sr. No.	Category of the Scheme	Name of the Scheme	Grant Received in Rs.
1	Institutional Development Schemes	MODERNISATION AND REMOVAL OF OBSOLENSCENCE (MODROBS)	9,73,500
3	Student Development Schemes	AICTE-Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES)	1,00000/
	Total Grants Received		10,73,500/

Institute is privileged to receive AICTE SPICES grant under Student development scheme. 21 activities are conducted related to ethics, creativity and interests. Allowances are given to the students to attend the various events across India.

List of Recognized Research Guides -

Sr. No.	Name of the Research Guide	Affiliating University	Recognition
1	Prof. Dr. S.R. Patil	SPPU, Pune	
2	Prof. Dr. S.S. Chorage	SPPU, Pune	
3	Prof. Dr. D. A. Godse	SPPU, Pune	
4	Dr. V. R. Pawar	SPPU, Pune	Ph.D. Guide
5	Prof. Dr. S.P. Kadam	SPPU, Pune	
6	Prof. Dr. S.L. Kore	SPPU, Pune	
7	Prof. Dr. A.M.Pawar	SPPU, Pune	

No. of Faculty members are as a Research Guide : 07

ART CIRCLE

Prof. Anjali P. Kadam
M.E. Comp,
Art Circle Coordinator

The Art Circle is established to showcase student's hidden talent. I am heartily obliged at being the Head of the art circle. I am sure everybody would be curious to know what motivated us to initiate and execute the plan of art circle. We are working on the art circle since a long time. Even the Online as well offline platform is opened to show there art and skill to them. As we have sincere students of our college, Miss.Sae Jamdade and Miss. Mitali Chavan who are presently appointed as the chairs of art circle and they got the undisturbed support of the all Students. At the staff co-ordinating Prof. S. T. Khot(E&TC), Prof. P.R. Yawle (E&TC), Prof. K. D. Mahajan(E&TC), Prof. M. A. Rane(IT). Along with the chairs, there were quite a few students who showed great enthusiasm and were delighted to be members of art circle. One's the art circle was formed there was nothing that could hold us back. As far as the promised engagement, we've already conducted quite a few activities like Best Dress at Garaba, singing, dancing and designing Digital Poster Making, Reels making, Transition Video etc. through College platform as it had to be virtual for now. We also enjoyed traditional Day, Bollywood day. Art Circle organised various events like Rakhi making and Mehndi competition, Eco-friendly Ganesha idol Making, Zest Fiesta 2022. I think I've quiet scratched the surface of what joy this platform has got us. Here we have glimpse of we performed under Art Circle.

ZEST FIESTA has been organised by ARTCIRCLE of our college under AICTE-SPICES ETSA grant on 27th, 28th, 29th, 30th Sept 2022

1.	Elocution Competition Competition
2.	Mehndi Competition Competition
3.	Drawing and Painting Competition
4.	Digital Poster Competition
5.	Reels Competition
6.	Transition Video Competition
7.	Singing and Stand-up Comedy Competition on
8.	Cooking Competition
9.	Rangoli Competition
10.	Dancing Competition
11.	Garba Best Dressup Competition
12.	Garba Best Dance Competition
13.	Sangeet-Kurchi Competition
14.	DJ Bollywood hunama Competition on 30th sept. 2022
15.	Fashion Show Competition on 30th sept. 2022

Rakhi Making and Mehandi Competition

Eco-Friendly Ganesha Idol Making Workshop

Dancing Competition

Rangoli Competition

Garba Best Dressup and Garba Best Dance

Singing

Shiv Jayanti 19th February 2023

Women's Day Celebration- Women's health Seminar for teaching and non-teaching staff

EXTRA-CURRICULAR ACTIVITIES

Dr. Gauri G. Patil
M.P. Ed., M.Phil., Ph.D. (Phy. Edu.)
Physical Director

About Gymkhana: -

Bharati Vidyapeeth's College of Engineering for Women, Pune has a separate section for Gymkhana for the physical fitness of the students. All the necessary sports equipment's are provided to the students. Students are encouraged to participate in various sports activities at the college and University level. Our college organizes various events such as webinars, chess competition, Pune city zone intercollegiate basketball Men/Women competition, Yoga Day, Fit-India celebration, physical skill test for First Year students and annual sports week every year. The winners are felicitated at annual social gathering.

Facilities available: -

SR. No.	Outdoor Games	Indoor Games
1	Volleyball	Table-Tennis
2	Basketball	Chess
3	Cricket	Carrom
4	Football	
5	Kabaddi	
6	Kho-Kho	
7	Athletics	

Cross-Country price Distrubution

Basketball SPPU Team

Cricket Competition Pune City Zone

Handball Team

Chess

NATIONAL SERVICES SCHEME (NSS)

Prof. S. A. Itkarkar
Programe Officer
(Area Coordinator)
SPPU NSS Unit

Prof. Dr. S.P. Kadam
Ph.D. (Computer Engineering)
Programe officer, NSS Unit

Bharati Vidyapeeth's College of Engineering for Women, has started National Service Scheme (NSS) in the year 2006-2007. Gradually with overwhelming response of the students and staff Savitribai Phule Pune University increased the college unit strength of 200 volunteers from 2016-2017.

In this program the NSS volunteers under the guidance of the Principal & NSS Program Officers carry out different activities like Tree Plantation, Swachhata Abhiyan, Blood Donation, Health Check up Camp, Organ Donation Awareness through various competitions, Lectures and Seminars, Visit to old age home and orphanage, Footpath (Street) school etc. The NSS volunteers organize different events for rural people during seven days residential Special Camp. Also celebrate days such as Independence Day, Republic Day, Guru Pournima, Teacher's Day, Engineer's Day, NSS Day, Gandhi Jayanti, World Cancer Day, Women Day celebration, Marathi Bhasha Diwas, Youth Day etc through different events. "The Voters Pledge Ceremony" - importance of genuine voting and responsibilities of Indian citizens as a voter during election period., "Unity Day Pledge Ceremony" are also organized.

Prof. S. A. Itkarkar has been working as Area-Coordinator of NSS SPPU since 2013. Our many volunteers participated in national level programs like NRD Parade, SRD Parade, Youth Exchange Program, etc., and also received awards in various National, State and University level camps like NIC, Utkarsha, Avhan, and Adventure camp.

More than 50 different social and outreach programs were conducted by NSS in AY 2022-23.

- Celebrated Guru Purnima, Nagpanchami, Teachers Day, Hind Divas, and National unity day with more than 150 volunteers.
- Conduction of Tree plantation program for awareness building.
- Eye Checkup, Blood Donation camp, Self-defense workshops for students awareness.
- Conducted Mehendi Competition on the occasion of Nagpanchami.
- Rakhi Making Competition on the Occasion of Raksha Bandhan.
- College Decoration program on Independence Day, and Singing Competition on Sadhbhavana Diwas.
- Eco-friendly Ganesh Idol Making workshop to build a eco-friendly perspective towards celebrating our beloved festivals.
- Various Competitions such as, Elocution Competition, Science Exhibition, Technical Poster Presentations and many more.
- NSS Day celebration through conduction of awareness rallies regarding road safety and save girl child, Fort conservation act and HB checking Camp.
- Cleanliness Drive near college area on the occasion of Gandhi Jayanti.
- Conduction of yoga and meditation workshop for building awareness regarding healthy lifestyle.
- Grand celebration of Shiv Jayanti and Shivrajyabhishek.
- Celebration of Women's Day by acknowledging the work and contributions of women in society.
- 250 Flag Distribution on 15th of August for celebration of Har Ghar Tiranga.

Special Camp

Special Camp was organized from 23rd March to 29th March 2023. More than 100 NSS volunteers enthusiastically participated in 7 Days Residential Special Camp at Shriramnagar, Tal: Haveli, Dist. Pune. Sarpanch, Gramsevak, all Grampanchayat members and villagers supported whole heartedly for successful conduction of many activities.

- Cleanliness drive at different locations of village every day.
- Awareness through Street Plays and acts by NSS volunteers.
- Awareness rallies on different environmental & social issues like Tree plantation, Gender sensitization, Pollution free environment, Cleanliness at different levels, Importance of Education etc.
- Group discussions for Personality Development of Volunteers.
- Computer literacy for villagers.
- Cultural activities, competitions, and Anand Melava for villagers.
- Team building activities and games for volunteers like, food preparation, management, organization and many more.

Achievements/Participation

- NSS Volunteer Sae Jamdade participated in 7 Days NATIONAL INTEGRATION CAMP (NIC) organized in Karnataka Gadag.
- NSS Volunteers participated in 2 days UNIVERSITY LEVEL CAMP (Gad Sanvardhan) in Rajgad Maharashtra

SE Volunteers-

Sae Jamdade, Manasvi Pudale, Prayuja Patil, Sanskruti Thakare, Shreya Dhadse, Shruti Waghmare, Tanvi Deore, Vrashali Chavan, Amruta Pol.

TE Volunteers-

Nikita Kendre, Chetana Dhusane, Hrucha Gohad, Vaibhavi Jarande, Vaishali Deshmukh.

- NSS Raireshwar Kenjalgad District Level Trekking Camp attended by Lakshita Panchbhai and Gargee Singh.
- NSS Program Officer Prof. S. A. Itkarkar appointed as District Coordinator by SPPU 2022-23.
- NSS Program Officer Prof. S. A. Itkarkar was committee member for
  - Election Commission Program and Exhibition.
  - Panning Committee of Marathi Social Media Conference.
  - Committee member of Har Ghar Tiranga Program.
  - Committee member of Ajadika Amrit Mahotsav Program.
  - Committee member of State Level Program regarding Role of Transgender in Election Process.
- 5 volunteers with PO Prof. Savita Itkarkar participated in Role of Transgender in Election Process a 2 days' workshop at SPPU.
- 10 volunteers with PO Prof. Savita Itkarkar, Prof. Anjali kadam and Prof. Kalyani Chaudhari participated in Ajadika Amrit Mahotsav seminar at SPPU.

Cleanliness Drive

Tree plantation Activity

STUDENT DEVELOPMENT BOARD

Prof. K. R. Chaudhari
M.E.(Microwave), Ph.D. (Pursuing)
Student Development Officer

About The SDO Section:

This is a unique section which has been formed with the sole intention to act as an interface between the university and the students. The section administers and makes decisions concerning student welfare, taking up issues reported by the students and resolves them by bringing it to the notice of the higher authorities of the institute.

Activities conducted during the A.Y. 2022-23: 17

Under Student development section different activities are conducted such as International yoga Day celebration, Workshop on Electric Vehicles for Smart Cities,Tree Plantation, Swatantryacha Amrut Mahotsav,Har Ghar Tiranga, Amali Padarth Virodhi Pratidnya, Gandhi Jayanti Cleanliness Drive, Samuhik Rashtrageet Gaan:Swarajya Saptaha, Rashtriya Ekata Diwas, Workshop on Green Electric Power Generation, Seminar On Nirbhaya Kanya, Seminar On Women Health, Seminar On Cyber Security, K. B. P. Earn and Learn Schme,Sanvidhan Day Celebration, National Unity day Celebration, Sadbhavana Diwas Celebration, Wachan Prerana Din Celebration, Marathi Bhasha Gaurav Din Celebration, etc…

Electric Vehicles for Smart Cities Workshop

Marathi Bhasha Gaurav Din

Har Ghar Tiranga_Azadika Amrut Mahaotsav

Prof. Vinaya D. Kulkarni
M.Tech. (I.T.)
CG Cell Coordinator

CAREER GUIDANCE CELL

The career guidance cell is formed for all FE to BE students from all departments. Its aim is to provide relevant academic and career information to enable Students to make informed decisions along the way. Career counseling or career guidance process involves individuals students to exploring various career options, understanding more about the opportunities, analyzing the career prospects and earning potential.

Career Katta

(Career and Entrepreneurship Counseling, Skill Development, Internships, Placement, etc.)

Career Katta is an initiative of Department of Higher and Technical Education, Govt of Maharashtra and in coordination with Maharashtra Information Technology Support Centre. The college conducts various activities to guide students about Career, Competitive Examinations (UPSC, MPSC, Banking, SSB, SSC, Police, LIC, etc.), Entrepreneurship, Skill Development; Credit Earnings under new CBCS and NEP Curriculum Framework, Internship and Placement Opportunities, etc.

Eligibility to Join: Any student admitted for any regular course in the college or college alumni referred by College Coordinator.

Registration Fees: One Time Rs. 365 for Three-year degree period (Rs. 0.36 per day), which will be reimbursed in the form of subsidy on examination charges of CBCS. It includes free access to all the activities, courses, State Level Competitive Exams, etc.

How to Register: Download the MITSC application from Google Play Store and pay fees using any online payment mode

College Code: T1396 (Please include the Career Katta code of the College)

Contact: For more details visit college webpage http://coewpune.bharatividyapeeth.edu or contact Coordinator Dr. Prashant Mandlik, Department of Chemistry, 94038 66611 or Career Katta Helpline 75076 52555

Webinar on "Career Guidance for Abroad study options after engineering"

Webinar on "Importance of Aptitude for Placement and Higher studies"

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS (ARIIA)

Atal Ranking of Institutions on Innovation Achievements (ARIIA) is an initiative of Ministry of Education (MoE), Govt. of India to systematically rank all major higher educational institutions and universities in India on indicators related to "Innovation and Entrepreneurship Development" amongst students and faculties.

Prof. Dr. Sharada Kore
Assoc. Prof. E&TC Dept.
Coordinator, SPOC, IPR, NISP

INSTITUTION'S INNOVATION CELL (IIC)

Institute has created an ecosystem for innovation and has taken initiatives for creation and transfer of knowledge. As per the guidelines issued by MHRD Innovation Cell and AICTE, an institute has formed various cells for Innovation, Startups, Incubation, Entrepreneurship Development, International Smart India Hackathon, Intellectual Property Rights, Atal Ranking of Institutions on Innovation Achievements (ARIIA) and National Innovation and Startup Policy (NISP). College has joined the NISP Policy Campaign and one faculty is appointed as single point of contact for innovation ecosystem. Two training sessions were completed by the appointed faculty. Experts Committee has formed at college to formulate the policy. Alumni, start-up founders, industry person are the external experts along with internal faculty in NISP committee. In-line with National Innovation and Startup Policy (NISP), institute has drafted policy for Innovation and start up at institute level and it is approved by the principal of the college. The approved NISP policy is notified and published among the stakeholders, faculties and students. Also, dedicated section is created on college webpage. Concern faculty In-charge is following the guidelines and taking initiatives to conduct various activities to create innovation and startup ecosystem within college campus. To coordinate all activities of innovation ecosystem, Student Cell is formed at institute level.

Prof. A.D. Khairkar
Ph.D. (Pursuing),
IIC Cordinator

INSTITUTION'S INNOVATION CELL (IIC)

Ministry of Human Resource Development (MHRD), Govt. of India has established 'MHRD's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are informative years.

Activities conducted during the A.Y. 2021-23: 03

Webinar on "Motivational Session by Successful Entrepreneur"

Webinar on "How to plan for Start Up"

Webinar on "Entrepreneurship and Innovation"

ENTREPRENEURSHIP DEVELOPMENT CELL

Prof. M. S. Kasar
Ph.D. Pursuing
EDC Coordinator

Entrepreneurs play a key role in any economy. These are the people who have the skills and initiative necessary to anticipate current and future needs and bring good new ideas to market. Even Govt. of India has recognized the importance of entrepreneurship and has introduced programs like "Make in India" & "Start-up India".

An Entrepreneurship Development Cell is initiated in the Institute with the goal of nurturing entrepreneurship skills of the students. BVCOEW has established the Entrepreneurship Development Cell in 2018-19. Under this cell, many startup related activities have been conducted.

BVCOEW has organized Business Poster Competition under Entrepreneurship Development Cell "Yukti" during Avinya 23, technical festival. Total 17 students have participated in this competition and Entrepreneurship Development Cell has also organized Start-up Idea Competition- "AAROHANA", Avinya, 23 have participated in competition. Total 15 groups have participated in this competition.

Internship

Poster Competition "Yukti" Avinya, 23

Prof. V. P. Mulik
Ph.D. Pursuing
Startup Cell Cordinator

STARTUP CELL

Startup India is a flagship initiative of the Government of India, intended to catalyze startup culture and build a strong and inclusive ecosystem for innovation and entrepreneurship in India. Launched on 16th January, 2016, the Startup India Initiative has rolled out several programs with the objective of supporting entrepreneurs, building a robust startup ecosystem and transforming India into a country of job creators instead of job seekers.

BVCOEW has established the startup cell in 2021-22. Under this cell, many startup related activities have been conducted.

BVCOEW has organized startup cell competition "AAROHANA" during Avinya, 23, technical festival. Total 15 groups have participated in competition. Startup cell has also organized poster competition "Yukti" in association with EDC cell during Avinya, 23. Total 17 students have participated in this competition.

Internship

Poster Competition "Yukti" Avinya, 23

Dr. Ketaki Malgi
PhD (Computer Science and Engineering)
Hackathon Cordinator

HACKATHON

Bharati Vidyapeeth's College of Engineering for Women always promotes the students to participate in various innovative coding competitions such as Hackathon. In academic year 2022-23 MOE's Innovation Cell, AICTE along with Bureau of Police Research and Development (BPR&D) (MHA) and Indian Cybercrime Coordination Centre (I4C) (MHA) have launched 'KAVACH-2023' a unique national Hackathon to identify innovative concepts and technology solutions for addressing the security challenges of the 21st century faced by our intelligence agencies. In view of these 5 project groups from Department of Computer Engineering and Department of Information Technology have submitted their ideas to the Kavach-2023.

The students from Department of Computer Engineering and Department of Information Technology are also participated in IBM HackChallenge-2022. The 2 project groups from Department of Computer Engineering have participated in Capgemini (Code)x HACKETHON-2023. The project title "Road Damage Detection and Warning" a project group of Rakshanda Borse, Kajal Gadekar, Ankita Tilekar, and Anuradha Birajdar from BE Computer won the Third Prize under the guidance of Prof. A. P. Kadam in this competition.

Annual College Magazine: Oyster

Oyster'21 Annual College Magazine, thirteenth edition released by the auspicious hands of the renowned actor Mr Nitish Chavan, Hon. S.F. Patil (Joint Secretary Bharati Vidyapeeth) and Principal Prof Dr. S. R. Patil, BVCOEW, Prof. Dr. S.S. Chorage, Prof. Dr. A.M. Pawar, Magazine faculty coordinators Prof Y.R. Dhumal, Prof P.R. Yawle and Student editor in chief Ms. Pranita Patil

ALUMNI ASSOCIATION

Prof. K. D. Mahajan
PhD Pursuing
Alumni Coordinator

Bharati Vidyapeeth's College of Engineering for Women registered alumni association at Charity Commissioners Office, Pune, Maharashtra, Reg. No. Maha/1403/2017/Pune dated 6 Oct 2017. It has more than 3500 Alumni registered in this association.

The purpose of the alumni association is to strengthen the bond between the students, the institute, and the alumni. In order to help current students grow, the alumni organize workshops and training sessions where they share their experiences. Additionally, they offer help with projects, job placement, and higher education. The Department of Information Technology and Swaptechnobiz, Pune, entered into an agreement to deliver seminars and workshops on latest technologies. Ms. Prof. K. D. Mahajan

Alumni Coordinator Bhagyashree Raut, an alumna, is a co-founder of Swaptechnobiz. The students have benefited from each and every interaction with the alumni.

Alumni associations work hard to stay in touch with alumni and include them in current activities of the institution that are also advantageous to students in order to enhance the relationship between alumni and their Alma mater. The alumni's contribution is as follows:

Seminar on "Website Development using Wordpress" by Ms. Shruti Lokhande for TE IT Students. [15/09/2022]

Seminar on "Importance of Academics in view of Placement" by Ms. Samrudhdhi Shukla for TE E&TC Students. [20/09/2022]

Seminar on "Java tools used in Industry" Ms. Malleshwari Bhandari for SE COMP students. [26/11/2022]

Seminar on "Placement and Interview Guidance" by Ms. Aishwarya Mokashi for SE E&TC Students. [15/02/2023]

AVINYA'23

TECH FEST REPORT

Date : 27/04/2023 & : 28/04/2023

The Bharati Vidyapeeth's College of Engineering for Women, Pune, organized a two-day Tech fest called Avinya '23 on 27th and 28th April 2023. The event was a grand success, and students from various colleges in Pune actively participated in different events.

The inaugural function of the tech fest was held at Bharati Vidyapeeth's Deemed University Medical Auditorium on 27th April. The event started at 10:20 AM and ended at 12:00 PM. The chief guest for the inaugural function was Mr. Vivek Sawant, Chief Mentor, MKCL. The guest of honour for the inaugural function was Dr. V.V. Shete, Chairman IETE Pune Local Centre, and Dr.K.D. Jadhav, Joint Secretary, Bharati Vidyapeeth, Pune. Prof.Dr.S.R. Patil, Principal Bharati Vidyapeeth's College of Engineering for Women, Pune, was also present at the occasion.

The inaugural function started with a welcome address and the Bharati Vidyapeeth song, which was followed by paying tribute to Hon'ble Founder-Chancellor Dr. Patangraoji Kadam by lighting a lamp which was done by all the dignitaries on the Dias. Further, Prof.R.M. Shamalik, Co-coordinator of the tech fest, presented the welcome address with briefing of the event, and Prof.Dr.S.M. Rajbhoj, Co-ordinator of the tech fest Avinya '23, introduced the chief guest, guest of honour, and Joint secretary, followed by the felicitation of all the dignitaries on the Dias.

Prof.Dr.S.R.Patil, Principal Bharati Vidyapeeth Pune, gave a wonderful welcome speech, which was followed by inspirational speeches from the guest of honour Dr.K.D.Jadhav and Dr.V.V.Shete. Mr. Vivek Sawant, Chief guest of the event, presented a wonderful PowerPoint presentation and enlightened all the students present. It was a great pleasure to listen to an individual who has such wealth of knowledge. The program ended with Vote of Thanks presented by the General Secretary of Avinya '23 Miss. Tanushree Desale, and everyone sang Vande Mataram.

After the inaugural function, everyone proceeded towards the college to witness the tech fest. All the dignitaries cut the ribbon in respective labs where various events of the tech fest were happening. On 27th April, Technovations (Project Competition), Intellectual Exchange (Paper Presentation), Yukti (Business/Entrepreneurship Poster Presentation), Screen War(Gaming Zone) were scheduled. On 28th April, Aarohana (Startup Pitch Idea), Robo Maze(Robo Race), Techtrix (Technical Quiz), Prayaas (Portfolio Building), Haktech (Hackathon) were scheduled.

Both days saw active participation from students of various colleges in Pune. Faculty and Student Co-ordinators helped in the smooth functioning of the fest. Overall, Avinya '23 was a grand success, and it provided an excellent platform for engineering students to showcase their talent, skills and learn from industry experts.

AVINYA 2023 AT A GLANCE...

AVINYA 2023 AT A GLANCE...

REPORT ON ANNUAL SOCIAL GATHERING ADWITIYA'23

The Adwitiya'23, Annual Social Gathering was a remarkable event that took place on 29th April 2023,Saturday. It was organized with the aim of fostering a sense of community, promoting interaction among students, and providing a platform for showcasing talents. The gathering embraced the theme of "Celebrating Diversity: Uniting Talents." It aimed to celebrate the cultural diversity present in the college and showcase the multitude of talents among the students.

The event commenced with a grand inauguration in presence of Miss. Gayatri Datar (Chief Guest), Hon. Dr. M. S. Sagare (Guest of Honor), Prof. Dr. S. R. Patil ,Principal of BVCOEW, Prof. Dr. A. M. Pawar (VP Administration), Prof. Dr. S. S. Chorage (VP Academics), Prof. K. D. Mahajan (Adwitiya'23 Staff Coordinator), Prof. P. R. Yawle (Adwitiya'23 Staff Co-Coordinator), and Miss Bhargavi Wadkar (GS Adwitiya'23). After the inauguration, the audience experienced featuring speeches by esteemed special guests and faculty members which emphasized the importance of unity, cultural exchange, and the nurturing of talents.

The prize distribution ceremony at the Adwitiya College Gathering was a momentous occasion acknowledging the exceptional achievements of students in various domains. The winners of the Sports Week were honored for their outstanding performance and dedication in representing their class and department. Class toppers from different academic disciplines were recognized for their remarkable academic achievements and their commitment to excellence. Moreover, the ceremony provided a platform to appreciate and celebrate the accomplishments of students throughout the year, encompassing achievements in extracurricular activities, community service, research, leadership, and other notable endeavors. The event served as a catalyst for motivation, inspiring all students to continue striving for success and making valuable contributions to their college and beyond.

The prize distribution ceremony at the Adwitiya College Gathering was not only an occasion to honor student achievements but also a time to recognize the exceptional contributions and achievements of the dedicated staff members. The event acknowledged the hard work, dedication, and innovation demonstrated by the staff in their respective roles. Prizes were awarded to faculty members for their outstanding teaching methodologies, research contributions, and commitment to nurturing student growth. Support staff and administrative personnel were also recognized for their invaluable contributions in ensuring the smooth functioning of the college. The ceremony served as a moment of appreciation and gratitude, acknowledging the efforts of the staff in shaping the educational experience and fostering an environment conducive to learning and development.

During the second half of the gathering, students from various departments showcased their talents through a wide array of cultural performances. The event featured mesmerizing dance performances, melodious musical acts, theatrical presentations, and poetry recitals, captivating the audience and celebrating the richness of different cultures. Adwitiya '23 was a resounding success, providing a platform for students to come together, celebrate diversity, and showcase their talents. It fostered a sense of unity, cultural understanding, and intellectual growth among the participants. The event not only entertained and engaged attendees but also encouraged personal and social development. The Principal, Prof. Dr. S. R. Patil, the organizing committee, faculty members and student participants deserve commendation for their efforts in making the gathering a memorable and enriching experience.

ADWITIYA 2023 THROUGH THE LANCE...

ZEST FIESTA MOVEMENTS

Dancing Competition

Rangoli Competition

Garba Best Dressup and Garba Best Dance

Singing

Shiv Jayanti 19th February 2023

Women's Day Celebration- Women's health Seminar for teaching and non-teaching staff

"CULTURAL DAYS"















ESSENCE OF SPORTS

Athletics- Annual Sports Week

Badminton

Basketball Competition

Basketball SPPU Team (2)

Fencing Competition (3)

Handball

Yoga Competition Pune City Zone

NSS ACTIVITIES SNAPSHOTS

Teachers Day Celebration

Shivajayanti and shivrajyabhishek Celebration.

NSS Special Camp

Self Defence Program Attended by NSS Volunteers

Science Exhibition and Technical Poster Presentation Competition

NSS Day Celebration

University Level Rajgad Camp

National Integration Camp(NIC) Gadag, Karnataka

GLIMPSES

Shiv Swarajya Din-06/06/2022

OYSTER'23 : A LOOK BACK....

Congratulations

IT Department BE Toppers

Ms. Salunkhe Kirti
(CGPA 9.91)

Ms. Prachi Kaladeep
(CGPA 9.86)

Ms. Bhagyashri Bavkar
(CGPA 9.86)

IT Department TE Toppers

Ms. Zambare Ishita
(SGPA 10.00)

Ms. Manasi Potre
(SGPA 9.86)

Ms. Ghore Aishwarya
Sgpa: 8.98

Ms. Swami Shambhavi
(SGPA 9.86)

Ms. Bhatt Aachal
(SGPA 9.81)

IT Department SE Toppers

Ms. Trupti Pacharne
(SGPA 9.23)

Ms. Utkarsha Kakde
(SGPA 9.23)

Ms. Kirti Mhaske
(SGPA 9.11)

Congratulations

ENTC Department BE Toppers

Ms. Megha Argade
CGPA 9.43

Ms. Madhura Mirikar
CGPA 9.39

Ms. Anupriya Kumari
CGPA 9.37

Ms. Khushboo Rathi
CGPA 9.37

ENTC Department TE Toppers

Ms. Anisha Gadade
SGPA 9.74

Ms. Disha Kamthe
SGPA 9.64

Ms. Preeti Vishwakarma
SGPA 9.64

Ms. Radika Deshpande
SGPA 9.62

ENTC Department SE Toppers

Ms. Hrucha Gohad
SGPA 9.37

Ms. Gayatri Ghadge
SGPA 9.07

Ms. Sakshee Pawar
SGPA 9.05

Congratulations

Computer Department BE Toppers

Ms. Srushti Jadhav
CGPA 9.93

Ms. Kritika Rai
CGPA 9.93

Ms. Anushka Urankar
CGPA 9.93

Ms. Vrushali Gajare
CGPA 9.93

Ms. Sonal Kale
CGPA 9.86

Ms. Shreya Jamsandekar
CGPA 9.86

Ms. Akanksha Kadam
CGPA 9.86

Ms. Swarda Jalukar
CGPA 9.8

Ms. Disha Mhaske
CGPA 9.8

Ms. Pranjali Pawar
CGPA 9.8

Ms. Renu Kanthi
CGPA 9.8

Ms. Harshada Ankam
CGPA 9.8

Computer Department TE Toppers

Ms. Samiksha Bode
SGPA 9.93

Ms. Sukhpreet Kaur Rayat
SGPA 9.79

Ms. Sejal Dahake
SGPA 9.79

Ms. Rutuja Zagade
SGPA 9.79

Congratulations

Computer Department TE Toppers

Ms. Angluri Veena Gayatri
SGPA 9.71

Ms. Shreya Sahu
SGPA 9.71

Ms. Suhasi Gadge
SGPA 9.71

Computer Department SE Toppers

Ms. Tanvi Mahajan
SGPA 9.41

Ms. Renuka Sarmokadam
SGPA 9.25

Ms. Divya Ingale
SGPA 9.14

FE Toppers (UNDERGRADUATE)

Mandlecha Sakshi Suvalal
SGPA 10

Vaishnavi Mahendra Thorat
SGPA 9.91

Dhanshri Ravindra Thorat
SGPA 9.75

Diti Jariwala
SGPA 9.75

PHOTO GALLERY

Fortunate to have been bestowed with your blessings!

Bharati Vidyapeeth's
COLLEGE OF ENGINEERING FOR WOMEN

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