AISSMS
INSTITUTE OF INFORMATION TECHNOLOGY
[IOIT]

Kennedy Road, Near R.T.O., Pune - 411 001
Accredited by NAAC with 'A+' Grade
Affiliated to Savitribai Phule Pune University
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EXPRESSION

AAYAM' 2024
16th Edition

OFFICE BEARERS OF
ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY, PUNE - 5

Dr. Shri Shahu Chhatrapati, Kolhapur
President

Shri Yuvraj Sambhaji Chhatrapati,
Kolhapur
Vice-President

Shri Malojiraje Chhatrapati
Honorary Secretary

Shri Suresh Pratap Shinde
Honorary Joint Secretary

Shri Ajay Uttamrao Patil
Treasurer

Shri V. B. Patil
Chairman, Governing Council

Adv. Bhagwanrao Baburao Salunkhe
Chairman, Managing Committee

Our Heritage

The All India Shri Shivaji Memorial Society was established in 1917 as a broad based educational and social welfare organization by the erstwhile Royal House of Kolhapur, supported by the Royal Houses of Indore& Gwalior, with a benevolent mission of the welfare of their subjects.

The Foundation-stone of the All India Shri Shivaji Memorial Society was laid at the hands of His Royal Highness, the Prince of Wales, on 19th November, 1921. The equestrian statue of Chhatrapati Shivaji Maharaj was executed by the famous Indian Sculptor, Shri Nansaheb Karmarkar and was unveiled by his excellency Sir Leslie Wilson, Governor of Bombay on 16th June, 1928.

The original plan for the famous heritage building for Shri Shivaji Preparatory Military School was conceived by the Tata construction Co., later redesigned by Rao Bahadur Jagtap and the building was constructed by Rao Bahodur Thube. At the instance of the Chhatrapati Rajaram Maharaj of Kolhapur, the building was inspected by then Commander-in-Chief of the British Army of the India and declared fit to house a Military School. His excellency Sir Frederick Sykes Governor of Bombay inaugurated the School on 20th September, 1933.

The renowned Engineering Colleges, College of Pharmacy, Polytechnic, Institute of Management and College of Hotel Management & Catering Technology are under the ambit of the Society.

Through its various institutions, AISSMS has provided the society with exemplary citizens. Some of the most decorated soldiers of the Indian Army have been the alumni of Shri Shivaji Preparatory Military School (SSPMS), the flagship institute of AISSMS. The students are persuaded to maintain strict discipline and regularity. State-of-Art infrastructure, facilities of international standards, highly qualified and experienced faculty and dynamic and comprehensive teaching learning processes are some of the highlights of institutes of AISSMS.

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It gives me immense pleasure to write the prologue for the 16th edition of AAYAM, the annual magazine of AISSM Society Institute of Information Technology (IOIT). This year's theme, "Expression," is a celebration of the diverse and vibrant talents of our students.

AAYAM is dedicated to showcasing the hidden literary, artistic, and technical talents of our students. It also provides an overview of the various events and activities held at our institute.

Over the years, I have come to realize that, just as each color in a rainbow is unique, every student has distinctive abilities. As an educationist, I firmly believe in encouraging and supporting these young professionals to express their creativity and talents beyond the classroom.

This magazine is the result of the dedicated efforts of our faculty members and enthusiastic students. I extend my best wishes to the principal, faculty, and students for their future endeavors. I hope readers will enjoy this edition of AAYAM and that our students will continue to pursue their dream careers.

Dr. Shahu Chhatrapati, Kolhapur
President
All India Shri Shivaji Memorial Society, Pune-5

It is a great pleasure to witness the creative expressions of the students who have contributed to 16th edition of AAYAM. This year, they have shared their innovative ideas and articles centered around the theme **"Expression."** This initiative is a significant educational activity, providing a platform for our young and talented students to showcase the knowledge and insights they have gained during their college years. The magazine not only helps students develop their creative skills but also highlights the notable achievements of our institute in academics, research, sports, and extracurricular activities.

I am confident that everyone will find valuable knowledge within this magazine. I invite you to read and immerse yourself in the unfolding art, and I hope it brings you joy and inspiration.

My best wishes go out to the Principal, the magazine team, and all the students.

Shri Malojiraje Chhatrapati
Honorary Secretary
All India Shri Shivaji Memorial Society, Pune -5

Principal Message

It is with great pleasure that I present the 16th edition of our college magazine, AAYAM, a true reflection of the creative expressions of our students. This year's theme, **"Expression,"** has inspired students to contribute articles, poems, sketches, and photographs that beautifully capture the various colors of life. The theme of **"Expression"** highlights the importance of freedom and individuality, encouraging students to communicate their unique perspectives and talents. It underscores the belief that every student has a voice and a story to tell, fostering an environment where creativity and self-expression are highly valued.

Our college is committed to achieving and maintaining academic excellence while encouraging students to participate in various co-curricular and extracurricular activities. This edition also highlights the notable achievements of both students and faculty members, showcasing their dedication and hard work.

I extend my deep gratitude to Hon. Shri Shahu Chhatrapati Maharaj, President; Shri Sambhajiraje Chhatrapati, Vice-President; Shri Malojiraje Chhatrapati, Honorary Secretary; and all members of the Managing Committee and Governing Body for their valuable guidance and support.

Special thanks to Mrs. Krutuja Gadgil, Assistant Professor, Department of Electrical Engineering, editor-in-chief of AAYAM magazine, and her team of faculty coordinators and student coordinators. Their efforts have provided a platform for our students to express their creative thoughts and ideas through AAYAM 2024.

Dr. P. B. Mane
Principal

Faculty Editorial

Expressions. They are the subtle strokes of our daily canvas, the whispers of our inner worlds, and the bridges connecting our thoughts and emotions to the outside world. In a college setting, where diverse perspectives converge and ideas flourish, the theme of "Expressions" becomes a rich tapestry to explore. It's more than just how we speak or write; it's about how we convey who we are and how we relate to others.

This theme of Expressions invites us to reflect on the myriad forms of communication that shape our experiences. We have the opportunity to explore not just the traditional modes of expression, like writing and speaking, but also the more nuanced and creative forms—dance, music, visual art, and digital media. Each medium offers a unique lens through which we can view the world and share our personal narratives.

Moreover, the digital age has revolutionized how we express ourselves. Social media platforms and online forums offer unprecedented opportunities to broadcast our thoughts, yet they also present challenges in maintaining authenticity amidst the noise. In this context, the theme of Expressions encourages us to critically examine how digital communication shapes our identities and relationships.

In writing this editorial, I invite you to embrace the theme of Expressions in all its forms. Engage with the content of this magazine not just as readers, but as active participants in the dialogue. Share your own expressions—your stories, your art, your ideas. Let's celebrate the diverse ways we communicate and connect, and recognize the power each expression holds.

As we turn the pages of this edition, may we find inspiration in the different ways our peers and contributors express their unique voices. In doing so, we enrich our understanding of each other and ourselves, fostering a vibrant, empathetic community within our college.

So, let's embark on this journey of exploration and expression together, appreciating the beauty and significance of every voice that contributes to the mosaic of our shared experience.

I express my gratitude to the office bearers of the All India Shri Shivaji Memorial Society , President , Shri Shahu Chhatrapati Maharaj , Vice Prseident , Shri Smbahaji Raje Chhatrapati, Honorary Secretary Shri Malojiraje Chhatrapati and all the members of managing committee and governing council of the institute for their guidance and support . I am express my thanks to Principal , Dr. P. B. Mane for his support and motivation.

Mrs. K. S. Gadgil
Faculty Editor

Express Yourself: Unleash the Inner Voice

In the vibrant tapestry of college life, finding your voice and expressing yourself authentically can be both exhilarating and daunting. AISSMS IOIT, with its emphasis on excellence and innovation, fosters a perfect environment for you to do just that.

The theme for this edition of Aayam, "Expressions," is a springboard for students to explore the myriad ways they can unleash their inner voice. While some may be naturally outgoing, others might find comfort in quieter forms of expression. But shyness or introversion shouldn't be barriers to self-discovery.

As engineers, we possess a unique toolkit for expression. We can translate our ideas into tangible creations, building projects that speak volumes about our passions and thought processes. Imagine a silent leader who crafts a groundbreaking invention -- their brilliance speaks for itself.

Don't be afraid to step outside your comfort zone and experiment. Whether it's coding a game that enthralls others or designing a solution to a pressing social problem, let your engineering prowess be the megaphone for your individuality.

Remember, the world needs to hear your unique perspective. So, seize this opportunity to explore, experiment, and express yourself through the power of innovation. After all, the greatest creations often stem from the most authentic expressions.

Beyond academia, our various clubs and societies play an important role in encouraging expression. The Drama Club's theatrical productions, the Music Club's soulful performances, the Literary Club's thought-provoking debates, and the Art Club's vibrant exhibitions all provide opportunities for students to explore and share their creative talents with the community. Each club event, like Alacrity, celebrates the various ways in which students express their passions and skills.

We as engineers should thrive to be leaders in different domains and sectors. Afterall, we come from a college that's won BEST COLLEGE Award very recently. That reflects how everyone involved in designing the system academic and extra-curricular, the teachers, and our principal are taking continuous efforts in achieving. That's called the winner mentality.

All the greats in their respective fields, from Einstein and Tesla to Cristiano Ronaldo and Virat Kohli, had something to express, whether joy or strong emotions, the ability to come out and the way the did it makes them what they're today. The True Leaders.

- Namit Solanki
Student Editor

Message from General Secretary

Expression: The Heartbeat of AISSMS IOIT

Expression at the AISSMS Institute of Information Technology (IOIT) extends beyond the traditional definitions of words and art. It is the foundation of our identity, reflecting our passions, aspirations, and shared spirit. Expression drives our experiences and achievements on campus, from classrooms to cultural events.

A prime example of this is our most recent national-level event, Alacrity 2024. While Alacrity is an important milestone, it is only one part of the larger story of expression at AISSMS IOIT. The event highlighted our student community's creativity, dedication, and hard work. From the electrifying opening ceremony to the thrilling competitions, Alacrity demonstrated the various ways in which our students express themselves.

However, expression at the AISSMS IOIT is not limited to large-scale events. It thrives in our daily activities, whether it's through innovative projects in our labs, lively classroom discussions, or spontaneous performances in public spaces. Every project, conversation, and piece of art created here reflects our students' individual voices and perspectives.

Our academic curriculum encourages students to discover and demonstrate their intellectual abilities. Research projects, presentations, and interactive learning sessions provide students with numerous opportunities to delve deeply into their subjects and express their understanding and insights. Our esteemed faculty, who provide guidance and support, contribute to this academic expression by creating an environment conducive to the growth of ideas.

Beyond academia, our various clubs and societies play an important role in encouraging expression. The Drama Club's theatrical productions, the Music Club's soulful performances, the Literary Club's thought-provoking debates, and the Art Club's vibrant exhibitions all provide opportunities for students to explore and share their creative talents with the community. Each club event, like Alacrity, celebrates the various ways in which students express their passions and skills.

Participation in these activities not only improves students' skills but also fosters a sense of community and teamwork. The friendships formed and experiences shared during these events are invaluable, adding to the rich tapestry of our college years. AISSMS IOIT's inclusive and supportive environment ensures that every student feels valued and free to express themselves. Our students' social initiatives and community service projects also reflect their expression. Whether they organize health camps, participate in cleanliness drives, or conduct educational workshops for underprivileged children, our students demonstrate their commitment to social responsibility and make a positive contribution to society.

Reflecting on the various facets of expression at AISSMS IOIT, it is clear that it is the institution's heartbeat. It motivates us in our studies, fuels our creativity, and shapes our sense of community. By cultivating an expressive culture, we ensure that our students not only excel in their chosen fields but also develop into well-rounded individuals with a strong sense of self and a strong connection to their community. Moving forward, let us continue to value and celebrate expression in all of its forms. Let us give our students more opportunities to pursue their passions, share their talents, and contribute to the vibrant life of our campus. In doing so, we honor the legacy of events such as Alacrity while also paving the way for future generations to find their voices and express themselves authentically.

Aditya Dhumal
General Secretary (2024)

The Power of Expression

In the vibrant community of AISSMS IOIT, expression is more than just a means of communication; it is a cornerstone of personal growth, intellectual development, and societal progress. As we navigate the complexities of our academic and social lives, the ability to articulate our emotions and voice our opinions becomes paramount.

Expressing our emotions openly and honestly fosters emotional well-being. It allows us to connect with others on a deeper level, creating a supportive environment where empathy and understanding thrive. When we share our joys, fears, frustrations, and triumphs, we build bonds that are essential for a cohesive and compassionate community.

Voicing our opinions, on the other hand, is vital for the dynamism and diversity of ideas that characterise AISSMS IOIT as a whole. Each perspective adds a unique piece to the puzzle, enriching discussions and driving innovation. Whether in classrooms, seminars, or informal gatherings, the exchange of ideas challenges our thinking, broadens our horizons, and encourages critical reflection.

Moreover, the act of expression empowers us. It gives us agency in shaping the world around us and advocating for the changes we wish to see. In a society where many voices strive to be heard, our ability to express ourselves clearly and confidently is crucial. It ensures that our contributions are recognized and our rights are upheld.

The student council members are committed to nurturing an environment where every individual feels encouraged and equipped to express themselves. Through various programs, workshops, and platforms, we aim to provide the tools and support needed to develop effective communication skills. We believe that by fostering a culture of open expression, we can inspire creativity, cultivate resilience, and promote mutual respect.

In conclusion, let us embrace the power of expression as a vital aspect of our personal and collective journeys. By sharing our emotions and opinions, we not only enrich our own lives but also contribute to the vibrant tapestry of our student community. Together, let us continue to build a space where every voice is valued and every expression matters.

Warm regards,
Sanskriti Magdum
University Representative

Institute of Information Technology

Recognition

Today's professionals have to face changes which occur due to fast technological switch over. Technology is being used as a statistical weapon by organizations as well as nations. Continuous learning and updating knowledge with new technology is the right solution for any individual to cope up with emerging challenges.

All India Shri Shivaji Memorial Society's Institute of Information Technology, Pune was established in August 1999. The college is a self-financing Autonomous college affiliated to Savitribai Phule Pune University (SPPU). It is approved by AICTE and the Director of Technical Education, Maharashtra State. The College is centrally located in the heart of Pune City about 1 km from Pune and Shivaji Nagar Railway Stations. The institute enhances the teaching-learning experience by providing students greater resources, contact with industries and academia, employment opportunities and internships.

The institute has well qualified and dedicated staff with good infrastructure facilities for UG and PG courses in the form of well-equipped laboratories in all the branches, namely, Computer Engineering, Electrical Engineering, Instrumentation Engineering, Electronics and Telecommunication Engineering, Information Technology and Artificial Intelligence & Data Sciences. The Institute also has a Research center for Electronics and Telecommunication Engineering.

The institute has received accreditation from National Board of Accreditation, New Delhi for Computer Engineering, Electrical Engineering, Instrumentation Engineering, Electronics and Telecommunication Engineering, Information Technology.Institute has NAAC A+ accreditation. The institute has also received Permanent affiliation from SPPU for Computer Engineering, Electrical Engineering and Instrumentation Engineering, Electronics and Telecommunication Engineering and Information Technology Engineering.

INTAKE CAPACITY DEGREE ENGINEERING COURSES

Sr. No.	Departments	DTE Choice Code	Intake
1	B.Tech. Artificial Intelligence & Data Science Honors in DevOps *Minor Course :- Artificial Intelligence and Data Science	628299510	120
2	B.Tech. Computer Engineering (NBA Accredited)Honors in Big Data Analytics. *Minor Course:- Full Stack Development	628224510	120
3	B.Tech. Electronics & Telecommunication (NBA Accredited)Honors in Semiconductor IC Technologies. *Minor Course:-VLSI and Embedded	628237210	120
4	B.Tech. Electrical Engineering (NBA Accredited)Honors in Advanced Electrical Engineering. *Minor Course :- Electrical Engineering	628229310	60
5	B.Tech. Instrumentation Engineering (NBA Accredited)Honors in Advanced Industrial Automation. *Minor Course :- Instrumentation	628246610	60
6	B.Tech. Information Technology (NBA Accredited)Honors in Cyber Security. *Minor Course :- Software Development Technologies	628224610	120

AFTER DIPLOMA PROGRAMS/COURSES FOR WORKING PROFESSIONAL (OVER AND ABOVE INTAKE):

Sr. No.	UG Course	DTE Choice Code	Intake
1	B.Tech. Computer Engineering	628224510	30
2	B.Tech. Electrical Engineering	628229310	30
3	B.Tech. Electronics & Telecommunication	628237210	30

Sr. No.	PG Course	DTE Choice Code	Intake
1	M.Tech Electronics and Telecommunication Engineering (VLSI and Embedded Systems)	628234110	09
2	M.Tech Electrical Engineering (Power Electronics and Drives)	628290210	09

Sr. No.	PG Course	DTE Choice Code	
1	Electronics & Telecommunication	8 Candidates Per Guide	

Our Vision

To be recognized amongst top 10 private engineering colleges in Maharashtra by the year 2026 by rendering value-added education through academic excellence, research, entrepreneurial attitude, and global exposure.

Our Mission

- To enable placement of 150 plus students in the 7 lacs plus category & ensure 100% placement of all final year students
- To connect with 10 plus international universities, professional bodies, and organizations to provide global exposure students
- To create a conducive environment for career growth, prosperity, and happiness of 100% staff.
- To be amongst top 5 private colleges in Pune in terms of admission cut off.

Quality Policy

We commit ourselves to provide quality education & enhance our students quality through continuous improvement in our teaching and learning processes.

Objectives

- To be nationally recognized as an educational institute that prepares students for a successful professional career with high human values.

- To provide students with sufficient understanding of scientific and engineering fundamentals to become competent engineering graduates.

- To provide expertise to students in experimentation, analysis, designing, solving real-time problems that promote the development of interdisciplinary research and application-oriented products.

- To develop a multidimensional ,globally competent professional students community.

- To provide students with joyful learning experience with learner-centric teaching that leads to a successful professional career equipped with lifelong learning skills leads to a successful professional career equipped with lifelong learning skills.

Governing body of the Institute

Shri Ajay Uttamrao Patil Treasure, AISSM Society, Pune-5	Committee Chairman
Shri Malojiraje Chhatrapati, Honorary Secretary, AISSM Society, Pune-5	Member
Shri Bhagwanrao Baburao Salunkhe, Member, AISSM, Society, Pune-5	Member
Shri Prashant Ramakant Brahme, Member, AISSM, Society, Pune-5	Member
Shri Sangramsingh Bhausaheb Yadav, Member, AISSM, Society, Pune-5	Member
Shri Nikhil Ashok Khanse, Member, AISSM, Society, Pune-5	Member
Dr. Prakash Waman Wani	Member (AICTE Nominee) Industrialist, Technologist / Educationalist
Prof.Anant Govind Gosavi	Member (Savitribai Phule Pune University)
Ex Officio	Member (Government of Maharashtra)
Dr.Pratibha Singh	Member (AICTE)
Mr.Jagdish Chaudhari	Member (Government of Maharashtra)
Dr.Pradeep Bajrang Mane Principal, AISSMS Institute of Information Technology, Kennedy Road, Near R.T.O., Pune – 411 001.	Member Secretary
Dr.Dyandeo Krushna Shedge Head of Department and Associate Professor in Electronics Engineering, AISSMS Institute of Information Technology, Kennedy Road, Near R.T.O., Pune – 411 001.	Member (Teaching)
Prof. Hemant Pandurang Chaudhari Assistant Professor in Instrumentation Engineering, AISSMS Institute of Information Technology, Kennedy Road, Near R.T.O., Pune – 411 001.	Member (Teaching)

College Development Committee

Shri Ajay Uttamrao Patil Treasure, AISSM Society, Pune-5	Committee Chairman
Shri Malojiraje Chhatrapati, Honorary Secretary, AISSM Society, Pune-5	Member
Shri BhagwanraoBaburao Salunkhe, Member, AISSM. Society, Pune-5	Member (Education)
Shri Prashant Ramakant Brahme, Member, AISSM. Society, Pune-5	Member (Industry)
Shri SangramsinghBhausaheb Yadav, Member, AISSM, Society, Pune-5	Member (Social Service)
Dr.Pradeep Bajrang Mane Principal, AISSMS Institute of Information Technology, Kennedy Road, Near R.T.O., Pune – 411 001.	Member Secretary
Prof.(Mrs) Sarika Nitin Zaware Associate Professor(Computer Engineering) AISSMS Institute of Information Technology, Kennedy Road, Near R.T.O., Pune – 411 001.	Member (Head of Department)
Mrs.Krutuja Gadgil Assistant Professor in Electrical Engineering, AISSMS Institute of Information Technology, Kennedy Road, Near R.T.O., Pune – 411 001.	Member (Teaching)
Mr. Venkat N. Ghodke Assistant Professor in Electronics & Telecommunication Engineering, AISSMS Institute of Information Technology, Kennedy Road, Near R.T.O., Pune – 411 001.	Member (Teaching)
Mr. Shivaji S. Gadadhe Assistant Professor in Physics, AISSMS Institute of Information Technology, Kennedy Road, Near R.T.O., Pune – 411 001.	Member (Teaching)
Prof.RiyazahemedAbdulgani Jamadar Assistant Professor in Information Technology, AISSMS Institute of Information Technology, Kennedy Road, Near R.T.O., Pune – 411 001.	Member (Research-Alumni)
Dr.(Mrs) Mousami Sandeep Vanjale Assistant Professor in Electronics & Telecommunication Engineering, AISSMS Institute of Information Technology, Kennedy Road, Near R.T.O., Pune – 411 001.	Member (Coordinator IQAC)
Shri Ajay Jagannath Mate Office Superintendent AISSMS Institute of Information Technology, Kennedy Road, Near R.T.O., Pune – 411 001.	Member (Non-teaching)
Mr. Aditya Dhumal	Member (Students' Council)
Ms. Sanskriti Magdum	Member (Students' Council)

PROGRAM OUTCOMES (PO'S)

Graduates will be able to

1. Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. [Engineering knowledge]

2. Identify, formulate, research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. [Problem analysis]

3. 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. [Design/development of solutions]

4. 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.
   [Conduct investigations of complex problems]

5. 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. [Modern tool usage]

6. 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. [The engineer and society]

7. Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
   [Environment and sustain ability]

8. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. [Ethics]

9. Function effectively as an individual, and as a member or leader in diverse teams, and in multi disciplinary settings. [Individual and team work]

10. 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. [Communication]

11. 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 multi disciplinary environments. [Project management and finance]

12. 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. [Life-long learning]

Department of Instrumentation Engineering

Vision of Department

To be recognized as one of the best instrumentation engineering program by developing globally competent engineers, researchers and entrepreneurs to solve real life problems through skill-based education.

Mission

1: To promote learning for skill-based education and emerging technologies to make students globally competent.

2: To create conducive environment for research, innovations and entrepreneurship.

Program Education Objectives (PEOs)

Graduates will
1. solve real life problems by applying the knowledge of instrumentation technology.

2. Excel in diverse career paths like higher studies, research and entrepreneurship.

3. contribute as a socially responsible citizen for the development of nation.

Program Specific Outcomes (PSOs)

1. Graduates will be able to apply their knowledge of measurement and control to solve the problems related to environment, safety, health and agriculture sectors.

2. Graduates will be able to demonstrate their skills on Programmable logic controller, Lab-view, Distributed control system and Internet of thing.

Department of Information Technology

Vision

To be a leader in preparing technically competent and skilful IT Graduates to address the needs of industry and society.

Mission

1. To prepare students for employment/entrepreneurship/higher studies through curricular, extracurricular and extension activities.
2. To promote research and professional activities through industry involvement and professional bodies
3. To instil professional ethics and lifelong learning skills with concern for the society.

Program Education Objectives (PEOs)

Graduates will
1. Excel in diverse career paths with core professional skills.

2. Engage in multi domain research/professional activities.

3. Cater to the needs of society with IT solutions/applications.

Program Specific Outcomes (PSOs)

1. Use database, networking and programming technologies for solving real life problems.

2. Develop applications in the field of computing, networking, security and analytics.

Department of Computer Engineering

Vision

To be known for imparting quality education in computer engineering to serve the changing needs of global industry.

Mission

1. To create an environment that fosters technical and professional growth to make graduates globally competent.
2. To develop industry ready professionals, researchers, and entrepreneurs to solve real world problems and societal issues.

Program Education Objectives (PEOs)

1. Work productively as successful computer professionals / entrepreneurs / researchers in global industry.

2. Adapt latest technological skills to face challenges of the modern computing industry.

3. Work in finance, healthcare, security and banking sectors as a team member or a leader with ethical values.

Program Specific Outcomes (PSOs)

1 : Work productively as successful computer professionals / entrepreneurs / researchers in global industry.

2 : Adapt latest technological skills to face challenges of the modern computing industry.

3 : Work in finance, healthcare, security and banking sectors as a team member or a leader with ethical values.

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Vision

To be one of the renowned Electronics &Telecommunication Engineering programmes imparting quality education by promoting professionalism, values and ethics leading to a progressive career in industry & academia globally.

Mission

1   To boost employability/entrepreneurship/higher studies through value-added activities.
2   To inculcate research attitude and professional ethics for addressing the needs of industry.

Program Education Objectives (PEOs)

Graduates will

1.   Engage in solving problems in the Electronics &Telecommunication domain by developing products/offering services to cater to the needs of the society.

2.   Work in diverse career fields of information and communication technology.

3.   Develop new methodologies and technologies for solving real-life problems.

Program Specific Outcomes (PSOs)

1.   Apply domain-specific knowledge to analyze, design and develop Electronics &Telecommunication Engineering systems/applications in the field of Embedded Systems, Very Large Scale Integration (VLSI), Internet of Things (IoT) and Communication Technology.

2.   Select and apply software and hardware tools such as Electronic Design Automation (EDA) and Test/ Measurement equipment to solve engineering problems.

Department of Electrical Engineering

Vision

To be known for imparting quality education in the field of electrical engineering and preparing competent professionals with high human values to serve the society.

Mission

1. To train the graduates with the latest technologies through industry institute interactions and experiential teaching learning practices to meet the emerging global challenges.
2. To enhance engineering skills, employability skills, and research through professional activities.
3. To develop globally competent electrical engineers with professional ethics and commitment to society.

Program Education Objectives (PEOs)

Graduates will
1. Investigate problems in electrical engineering and provide effective solutions.

2. Excel in the professional career, research, higher studies, and entrepreneurship.

3. Engage in lifelong learning by adapting a professional, social, and ethical attitude for contributing to societal needs.

Program Specific Outcomes (PSOs)

1 : The graduates will be able to proficiently employ the software tools used in the design and analysis of electrical systems.

2 : The graduates will be able to acquire skills in electric mobility, power quality, and renewable energy.

Department of Artificial Intelligence and Data Science

Vision

To be amongst the top artificial intelligent & data science program for catering to the changing needs of the industry and society.

Mission

1. To foster an environment to provide intelligent solutions applicable for multidisciplinary needs of industry & society.
2. To promote career development with ethical responsibility.

Program Education Objectives (PEOs)

1: Graduates will be able to analyze, formulate and function efficiently in a multi-disciplinary context to address industrial problems.

2: Graduates will be able to work collaboratively with professionalism and ethical responsibilities to provide innovative needs of societies.

3: Graduates will excel in their careers by adapting to new technologies.

Program Specific Outcomes (PSOs)

1 : Problem Solving and Programming Skills: Graduates will be able to apply programming skill to identify, modify and test algorithms that apply intelligence to make realistic decisions in problem solving.

2 : Professional Skills: Graduates will be able to collect, analyze, interpret and visualize data to solve problems in agriculture, automation, finance and medical domains.

AAYAM 2024

Awards & Ranking
2019-2024

Rank	Ranking Body	Ranking Year
	CII Industry Academia Partnership Award 2024	2024-25
	SPPU Best College Award(Professional Courses) Urban Area	2023-24
158	Week Magazine- Overall, rank in India	2023-24
149	India Today Magazine Overall, rank in India	2023-24
A Grade	R. World Institutional Ranking- Green Rankings	2023-24
151-300	NIRF-Innovation Category.	2022-23
18	Week Magazine-Private-in Maharashtra	2022-23
22	Week Magazine-Private-West Zone in Maharashtra	2022-23
152	Week Magazine- Overall, ranked in India	2022-23
124	Week Magazine- Overall, ranked private in India	2022-23
A Grade	R. World Institutional Ranking- Green Rankings	2022-23
63	OUTLOOK Magazine	2021-22
9	Times Ranking Survey- Placement Category	2021-22
21	Times Ranking Survey- Research Capability	2021-22

83	Times Ranking Survey-the top 125 Private Engineering Institute	2021-22
91	Times Ranking Survey- the top 170 Engineering Institute.	2021-22
133	Week Magazine	2021-22
140	India Today Magazine	2021-22
75	OUTLOOK:India's top 100 private engineering colleges	2020-21
101	Times Ranking: Private Engineering Institutes	2020-21
111	Times Ranking:-overall.	2020-21
17	Week Magazine: Private	2020-21
21	Week Magazine: Overall	2020-21
158	India Today Magazine	2020-21
Best Research Institute	Center for Education Growth and Research (CEGR)	2020-21
AAA rating	Careers 360 Engineering Ranking	2020-21
79	OUTLOOK Magazine	2019-20
93	Times Ranking: Private Engineering Institutes	2019-20
104	Times Ranking: overall.	2019-20
19	Week Magazine- West	2019-20
103	Week Magazine- Overall	2019-20
188	India Today	2019-20
85	Times Ranking: Private Engineering Institutes	2019-20
101	Times Ranking: overall.	2019-20
128	BW Business World Magazine- Overall	2019-20
68	BW Business World Magazine- Private	2019-20
Best Institute	Knowledge Review Magazine	2019-20

Gems of IOIT

Department of Instrumentation Engineering

Siddhant Thorat
SE Instrumentation
SGPA -8.27

Fulfagar Akshat
TE Instrumentation
SGPA – 9.50

Aakanksha Patil
BE Instrumentation
CGPA - 9.2

Department of Information Technology

Morab Pranit Prasanna
SE IT
SGPA -9.02

Bhongale Sampada
TE IT
CGPA -9.71

Sonal Randave
BE IT
CGPA -9.55

Toppers

Department of Computer Engineering

Aditya Suryawanshi
SE-A
SGPA:8.93

Diksha Natekar
TE -A
SGPA:9.43

Aishwarya Dhotre
BE-A
CGPA: 9.7

Harshal Patil
SE-B
SGPA:8.68

Shreya Dalvi
TE-B
SGPA :9.57

Chetan Agarwal
BE-B
CGPA-9.53

Department of Electronics & Telecommunication Engineering

AY 2022-23 Class Toppers

Nikhil Amrut Chape
SE E&TC
CGPA-9.34

Paithankar Mayur Ravikant
TE E&TC
CGPA-9.57

Poojari Disha Chandra
BE E&TC
CGPA-9.34

Department of Artificial Intelligence & Data Science

AY 2022-23 Class Toppers

Pallavi Mahesh Kasar
TE AI & DS
CGPA-9.29

Swapnil Satish Nandre
SE AI & DS
CGPA-8.64

Department of Electrical Engineering

2022-23 Class Toppers

Laxman Survase
SE Electrical
SGPA -8.36

Mayuri Deshpande
TE Electrical
SGPA -9.41

Bhushan Fegade
BE Electrical
CGPA -9.37

Department of Engineering Science

2022-23 Class Toppers

Ashutosh Khedkar
CGPA - 9.22

Toshita Bhagwate
CGPA - 9.13

Harshdeep Bedse
CGPA - 9.04

Media and Publication Committee 2023-24

Media Committee 2024

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Media & Publication Head	Mrs. Neha Patil	
Chief Editor	Mrs. K. S. Gadgil	Namit Solanki
English Section Head	Mrs. K. S. Gadgil	Ritika Bhandari, Yash Sonje Aarya Tilekar
Marathi Section Head	Ms. Supriya More	Yash Chawan
Technical Section Head	Chitralekha Rananware	Akansha Mahajan
Art Section Head	Mr. Ashish Apate	Chaitanya Salunke
Official Pages	Dr. Harshada Magar	
Annual Report	Dr. Harshada Magar	

"Expression"

Sections

Marathi Section

English Section

Technical Section

Art Section

Events

SDO

NSS

Alumni Meet

Annual Report

मराठी विभाग

• संपादकीय •

मन, भावना, विचारांना एकत्रित केल्यानंतरचा एक सुंदर संगम म्हणजे अभिव्यक्त होण्याची भावना म्हणूनच तर या भावनाच आम्हाला आयुष्यामध्ये तारतात. खऱ्या अर्थाने आम्ही विचारांना अभिव्यक्त करताना भावनांना सुद्धा अभिव्यक्त करण्यात तितकच गरजेचे आहे कारण सगळं काही ठीक आहे हे सांगत असताना किंवा समजवत असताना छोट्या गोष्टींची सल मनातून निघून पुढच्याला समजणं सुद्धा तेवढच महत्वाच आहे आजच्या युगात आम्ही अभिव्यक्ती स्वातंत्र्याला गृहीत धरले परंतु ज्याप्रमाणे या देशाचं किंवा समाजाचा आम्हाला देणं आहे त्याचप्रमाणे आमचं सुद्धा या समाजाच्या व देशाच्या प्रति काही देणं लागतं हे लक्षात घेणे गरजेचे आहे कारण अभिव्यक्त होणं हे सौभाग्य असतं ज्याद्वारे आम्ही या देशाची संग्रभूता आणि

देशाच्या कर्तव्याचा पालन करेल तेव्हाच खऱ्या अर्थाने गरीबी भुक्मरी सारख्या मुद्द्यांना आपण उखडून फेकणार कारण पारतंत्र्यात गेल्यावरच कळते स्वातंत्र्याचे महत्त्व म्हणूनच कित्येक लोक या देशासाठी, स्वातंत्र्यासाठी शहीद झाले.

खरं म्हटले तर आजच्या सोशल मीडियाला दोन बाजू आहेत जसे एखाद्याच्या हाती आग दिली तर त्यांनी त्याचा वापर जेवण बनविण्यासाठी करायचा की दुसऱ्यांची घरे पेटवण्यासाठी करायचा हा जसा त्याचा प्रश्न परंतु सोशल मीडियाची सकारात्मक बाजू वापरुन आपण सगळ्यांनी समाजाला अभिनुक व्हावं एवढीच अपेक्षा.

या मासिक साठी माझ्या आव्हानाला प्रतिसाद देणाऱ्या सर्व लेखकांचा आणि त्यांच्या कल्पनांची मी आभारी आहे व त्यासोबतच विद्यार्थी संपादक आणि मासिक प्रकाशनाच्या संपूर्ण प्रक्रियेमध्ये सहकार्य व मार्गदर्शन केल्याबद्दल सर्वांचे मी आभारी आहे आणि मी सर्व वाचकांना आनंदी वाचनाच्या शुभेच्छा देते.

सुप्रिया मोरे

–सुप्रिया मोरे
सहाय्यक प्राध्यापक

• विद्यार्थी मनोगत •

या जगाला वसुदेव कुटुंबकम या संदेश देणारे आम्ही खऱ्या अर्थाने भूतकाळापासून ते आजपर्यंत आपल्या विचारांना भावनांना अभिव्यक्त करत आले. संत तुकोबारायांपासून ते छत्रपती शिवराय फुले शाहू आंबेडकरांची चळवळ लाभलेले आपण भाग्यवानच की आम्हाला आमचे आदर्श दुसऱ्या कोणामध्ये शोधण्याची गरज नाही परंतु आजच्या या जगामध्ये अभिव्यक्त होण्याची माध्यम बदलत असतानांच आमचे आदर्श सुद्धा बदलत चाललेले आहे आणि मग वायू या शब्दाला पलटलं की युवा असं होतो आणि लाथ मारेल तिथे पाणी काढेल हे ठामपणे सांगत असतानांच हा युवा कुठे ना कुठे भरकटतोय हे विधारक सत्य सुद्धा आम्हाला मान्य करावा लागत.

या जगाला अभिव्यक्त

होतांना स्वतःसोबत अभिमुख होणे सुद्धा तितकच गरजेच आहे कारण अपेक्षा पूर्णतेचा आनंद असतो परंतु अपेक्षाभंगाच ओझं जर मनाच्या वाट्याला आलंच तर काय करावं ? हा सगळ्यात मोठा प्रश्न व्यक्तीला असतो आणि त्यानंतर मनाच्या विचारांना आवरावं , स्वतःला समजवा आणि भरपूर आत्मविश्वास स्वतःमध्ये फुंकून सर मार्तिल मायक्रोनच्या सांगितल्याप्रमाणे या जागतिक खेड्यामध्ये लक्ष केंद्रित करून या समाजाचा संवाद आपल्या अभिव्यक्ती स्वातंत्रित विचारांचा वापर करावा .

आपली पिढी अनुसंधानला आणि माध्यमांना आपलं समाधान समजते परंतु या माध्यमांना यश तेव्हाच मिळेल जेव्हा ते ग्लोबल होण्याआधी ग्रासरूट लेवलला जाणार, त्याचे परिणाम जर्नल आधी जमिनीवरती दिसेलआणि त्याची दिशा एक्सपिरिमेंट पासन एक्सपिरियन्सला जाणार आणि हे तेव्हा शक्य होईल जेव्हा आम्ही खऱ्या अर्थाने आमचा अभिव्यक्तपणा वापरणार आणि तेव्हाच आम्ही जागतिक महासता होणार.

– यश चव्हाण
टी. ई.

AISSMS IOIT चा इतिहास

ज्ञानस्य ध्वजं विद्यालयं, शिक्षक: प्रधानम् ध्वजम् ।
विद्यालये च न तिष्ठति संसार:, विद्या विठीनस्य न तिष्ठति संसार:॥

समाजाच्या विकासासाठी आणि प्रगतीसाठी शिक्षण हे महत्त्वाचं आणि अपरिहार्य असलेलं माध्यम आहे. ह्या विचाराने सन १९९१ साली आज 'एआयएसएसएमएस आयओआयटी' म्हणून नावलौकिक असलेलं महाविद्यालय म्हणून स्थापित झालं. अभियांत्रिकी शिक्षण देण्यासाठी कटिबद्ध झालेल्या एआयएसएसएमएस आयओआयटी महाविद्यालयाने २९ वर्षांची प्रदीर्घ वाटचाल यशस्वीरित्या पूर्ण केली.

कुठल्याही संस्थेचा यशस्वी प्रवास हा कौशल्यपूर्ण नेतृत्वाच्या संघर्षांचा, समर्थनांचा आणि संवेदनांचा परिणाम असतो. असे दूरदर्शी नेतृत्व एआयएसएसएमएस संस्थेचे सचिव श्री. मालोजीराजे छत्रपती यांच्या रुपाने महाविद्यालयाला लाभले आहे.

महाविद्यालयाने संगणक अभियांत्रिकी, इलेक्ट्रॉनिक्स आणि दूरसंचार, माहिती तंत्रज्ञान ,इलेक्ट्रिकल अभियांत्रिकी, इन्स्ट्रुमेंटेशन यांसारख्या शाखांसोबत आपला प्रवास सुरु केला. या प्रवासात विद्यार्थी सतत जोडत गेले. एआय अँड डीएस शाखेचा सुद्धा समावेश झाला. को-एज्युकेशन सुरु झाले. २००२-०३ या शैक्षणिक वर्षात इंजिनिअरिंगची पहिली बॅच यशस्वीरित्या पास झाली. आणि पुढे प्रगतीचा आलेख सतत उंचावतच राहिला.

अभ्यासाबरोबरच संस्कृती जपण्यात सुद्धा महाविद्यालय मागे राहिले नाही. २००३-०४ या शैक्षणिक वर्षात महाविद्यालयाने 'आयाम' हे पहिलं नियतकालिक सुरु केलं. आणि 'शिवोत्सव' या महाविद्यालयाच्या पहिल्या सांस्कृतिक कार्यक्रमाने महाविद्यालयाच्या परंपरेत भर घातला. आज तीच परंपरा राष्ट्रीयस्तरावरील टेकफेस्ट – ऑल्याक्रिटीच्या (ALACRITY) रुपाने कायम आहे. अल्पावधीतच महाविद्यालयाने अभियांत्रिकी क्षेत्रात परिधात नावलौकिक मिळवला. त्याचाच परिणाम म्हणून २०२१ साली महाविद्यालयाला यूजीसी कडून मानाचा असा स्वायत्त दर्जा प्राप्त झाला. महाविद्यालयातील विभाग एनबीए मानांकित आहे. तसेच नॅकच्या द्वितीय पुनर्मूल्यांकनात महाविद्यालयाला अ+ श्रेणी प्राप्त झाली आहे. एन. आय. आर.एफ इनोव्हेशन रँकिंग २०२३ नुसार महाविद्यालय १५७ व्या उल्लेखनीय स्थानावर आहे. तसेच टाइम्स ऑफ इंडिया २०२२ सर्वेक्षणातील ७० सर्वोच्च खाजगी अभियांत्रिकी महाविद्यालयांमध्ये प्लेसमेंट विभागात १ व्या स्थानावर तर ३० सर्वोच्च अभियांत्रिकी महाविद्यालयांमध्ये २१ व्या स्थानावर आहे. २०२३–२४ या शैक्षणिक वर्षात महाविद्यालयाने सलग सहावी आय. B.B.B आंतरराष्ट्रीय परिषद इमर्जिंग स्मार्ट कम्प्युटिंग अँड इंफॉर्मेटिक्स – ईएससीआय –विद्यापीठासोबत, पहिला सामंजस्य करार (MOU) झाला. कुशल अभियंते घडविण्यासाठी महाविद्यालयात पुढील अत्याधुनिक प्रयोगशाळांची निर्मिती करण्यात आली. चात 'फोर्ब्स मार्शल सेंटर ऑफ एक्सलन्स' , 'इमर्शन सेंटर ऑफ एक्सलन्स' , 'एआयसीटीई मॉड्रोब – बायोमेडिकल इन्सुमेंटेशन' ,'डी. एम. तगार पॉवर क्वालिटी एक्सपीरियन्स सेंटर' यांचा समावेश होतो.

गेल्या पंचवीस वर्षात महाविद्यालयाला अनेक पारितोषिक मिळाली. २०१५ च्या आयएसटीई 'बेस्ट प्रायवेट इंजिनिअरिंग कॉलेज' पुरस्कार इथपासून सुरु झालेला

पुरस्कारांचा प्रवास आज २०२३ च्या पिएमए 'बेस्ट इन्स्टिट्यूट' पुरस्कार इथपर्यंत येऊन पोहचला आहे. आणि पुढे निरंतर चालू राहणार ही खात्री आहे. या प्रवासाला सुंदर करण्यात अनेक पारितोषिकांचा समावेश आहे. यांत २०१५ चा इंडो ग्लोबल चेंबर ऑफ कॉमर्स इंडस्ट्रीज अँड एग्रीकल्चर 'इंजीनियरिंग एज्युकेशन एक्सलन्स अवॉर्ड', २०१७ चा एफएसएआय पुणे विभागाचा 'बेस्ट प्रायवेट इंजीनियरिंग कॉलेज' पुरस्कार, सकाळ आयडॉल्स ऑफ महाराष्ट्र २०२२ च्या एज्युकेशन एक्सलन्स अंतर्गत 'सर्वोत्कृष्ट अभियांत्रिकी महाविद्यालय' पुरस्कार, २ वर्ल्ड इन्स्टिट्यूट ऑफ' इन्स्टिट्यूशन रँकिंगच्या 'ग्रीन रँकिंग – २०२३' च्या सस्टेनेबल इन्स्टिट्यूट ऑफ इंडिया – २०२३' अंतर्गत 'गोल्ड बँड (म ग्रेड) आणि 'इंडियन सोसायटी फॉर टेक्निकल एज्युकेशन (ISTE)' व्दारे 'सर्वोत्कृष्ट सामाजिक योगदानाचा पुरस्कार' अशा विविध पुरस्कारांचा समावेश आहे. एआयसीटीई 'फिलन कैंपस अवॉर्ड' सुध्दा महाविद्यालयाला प्राप्त झाला आहे.

२०१३-१४ या शैक्षणिक वर्षात भारताचे तत्कालीन राष्ट्रपति प्रणब मुखर्जी यांच्या हस्ते राजर्षी शाहू महाराजांच्या मूर्तीचे उद्घाटन करण्यात आले. त्याने महाविद्यालयाची शान आणखीनच वाढली. महाविद्यालयात प्रवेश करताच मूर्तीचे दर्शन होत असते. बाहेरुन सुसज्ज दिसणाऱ्या महाविद्यालयाला गुणवत्तेच्या शिखरावर नेण्यासाठी प्राचार्य डॉ. पी. बी माने यांच्या दूरदर्शी आणि कृतिशील नेतृत्वाचा सिंहाचा वाटा आहे. डॉ. माने यांना २०१८ चा कम्प्युटर सोसायटी ऑफ इंडिया, मुंबई चाप्टर यांच्यातर्फे दिला जाणारा 'बेस्ट प्रिन्सिपल ऑफ द इयर अवॉर्ड', आयआरडीपी ग्रुप ऑफ जर्नल यांच्यातर्फे दिला जाणारा 'सरदार वल्लभभाई पटेल नॅशनल परफॉर्मर अवॉर्ड – २०१९' तसेच 'आयईटीई बी. आर. बत्रा मेमोरियल अवॉर्ड-२०१९' व सावित्रीबाई फुले पुणे विद्यापीठाच्या शैक्षणिक वर्ष २०२०-२१ च्या 'युनिव्हर्सिटी फाऊंडेशन हे अवॉर्ड' शहरी क्षेत्रांअंतर्गत 'बेस्ट प्रिन्सिपल (प्रोफेशनल कोर्सेस) अवॉर्ड' आणि आय. ३.३-३ कम्युनिकेशन सोसायटी, आय. इ.इ.इ पुणे विभाग २०२१ चा बेस्ट चैप्टर अवॉर्ड आणि आय इ.इ.इ कम्युनिकेशन सोसायट अशा विविध पुरस्कारांनी सन्मानित करण्यात आले आहे. एवढच नव्हे तर, २०२६ पर्यंत रँकिंगच्या 'ग्रीन रँकिंग २०२३' च्या 'सस्टेनेबल इन्स्टिट्यूट ऑफ इंडिया-२०२३ अंतर्गत 'गोल्ड बँड (ए ग्रेड) आणि' इंडियन सोसायटी फॉर टेक्निकल एज्युकेशन (ISTE) व्दारे 'सर्वोत्कृष्ट सामाजिक योगदानाचा पुरस्कार' अशा विविध पुरस्कारांचा सुध्दा समावेश होतो.

अनुभवी व उच्चशिक्षित शिक्षकवर्ग, संशोधन व विकास कार्यक्रमांवर भर, डिजिटल व सुसज्ज ग्रंथालय यांव्दारे विद्यार्थ्यांचा शैक्षणिक विकास होण्यास चालना मिळत आहे. उत्तम प्लेसमेंटच्या संधीमुळे महाविद्यालयाचा नावलौकिक वाढत आहे. येथून पुढे महाविद्यालयाचा खूप प्रवास बाकी आहे… त्या प्रवासात उत्तम वाटचालीच्या दिशेने घोडदौड सुरु आहे.

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– रिद्धी पाटील
एस. वाय. इलेक्ट्रिकल

</div>

हरवलेलें बालपण

प्रत्येक छोट्या गोष्टींमध्ये आनंद शोधणे
अगदी कट्टी- बट्टी च्या खेळावर मैत्री टिकवणे,
इवल्याशा डोळ्यात मोठे स्वप्न पाहणे
इवल्याशा हृदयात अनेक नाते सामावणे,
कदाचित हेच बालपण असावे!

तुम्हाला आठवते का बरं तुमचे बालपण ? लहानपणीची ती निरागसता वेगळीच होती म्हणा! न कसली चिंता, न कोणाबद्दल द्वेष...केवळ खेळणे, मित्रांसोबत मज्जा करणे व आई–बाबाच्या मायेच्या सावलीत आपली स्वप्ने विणणे... किती अल्हाददायक होते ना ते दिवस!

बालपणाचे वैशिष्ट्य म्हणजे 'अभिव्यक्ती'. बाळ आपल्या रडण्यातूनच सगळ्या भावना मांडत असे. आणि आईला त्याचं म्हणणं लगेच कळतं.आई ,मला चॉकलेट पाहिजे!, बाबा, मला खेळणी घेऊन द्या ना! असं म्हणताच, आपला सगळा अट्टाहास पूर्ण व्हायचा. पण आपण मोठे झालो आणि व्यक्त करण्याची क्षमताच कमी झाली! कोणी विचारलं –तू आनंदी आहेस का ? किती विचार करावा लागतो हे उत्तर देण्यासाठी ; आणि जरी संकटांचा डोंगर कोसळला असेल आपल्यावर हो ,अगदी मजेत! एवढं म्हणून ,हसून आपण पुढे निघून जातो.

लहानपून मोठे होण्याच्या या प्रवासात आपण व्यक्त व्हायचं विसरतो? की 'कोणी आपल्याला समजून घेणार नाही' या विचाराने व्यक्त व्हायचं टाळतो ?कधी विचार केला का तुम्ही? बदलत्या काळात माणसं बदलतात, विचारशैली बदलते, नाती बदलतात, सरकार बदलते, जग बदलतं! पण या प्रवासात जर आपण स्वतःला गमावून बसलो तर? आपले विचार, आपल्या भावना व्यक्त करता येणे ही फार मोठी कला आहे ; जी कदाचित आपण लहानपणी तर शिकलो पण नंतर मोठे झाल्यावर जीवन सुधारण्याच्या प्रयत्नांत विसरुन गेलो. मोठे होण्याच्या प्रवासात आपल्या हरवलेल्या बालपणाला शोधून, त्याला घट्ट मिठी मारुन, चला ती हरवलेली कला पुन्हा अंगीकारु! बहुदा, तेव्हाच आपण खर्‍या अर्थाने सक्षम व विवेकशील बनू!

–देविका योगिराज मुळे
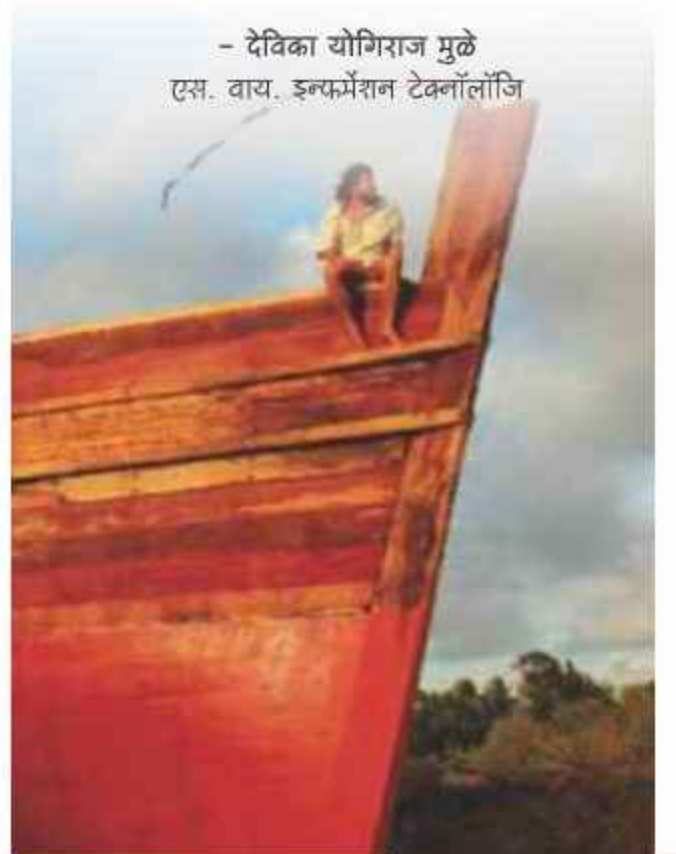एस. वाय. इन्फर्मेशन टेक्नॉलॉजि

मुसाफिर

न राह के कंकड़,न आंधी – तूफान
न परिश्रम के कांटे,न कोई गर्व- अभिमान....
इन सूक्ष्म गतिविधियों से डरना क्या?
अपने पथ पर तू आगे बढ़ बंदेया!

तुम्हारी है मंजिल, तुम्हारे है ख्वाब
तू विश्वास रख खुद पर, मिलेंगे सारे जवाब
सवाल उठाना तो इस महफिल की फितरत है जनाब!
तू कर्म करता जा ,न रख कभी बैरियों का हिसाब !

तुम्हारी मंजिल बहुत दूर है
कभी हार मत मानना ए साथी!
अपने सफर को भी यादगार बना
तू मुसाफिर है, आगे बढ़ना मत छोड़ना!

– देविका योगिराज मुळे
एस. वाय. इन्फर्मेशन टेक्नॉलॉजि

मला आवडलेले पुस्तक
यशवंत व्हा!

मी आजपर्यंत अनेक पुस्तके वाचली आहेत.=य परंतु मला आवडलेले म्हणजेच मला भावलेले पुस्तक म्हणजे यशवंत व्हा! हे होय. मी अनेक पुस्तके वाचून त्यातील भावना किंवा त्यातील गोष्टी समजून घेतल्या आहेत. पण 'यशवंत व्हा!' या पुस्तकाने व या पुस्तकाच्या लेखकांनी माझ्याशी एकतर्फी गप्पाछप्पा मारल्या आहेत. जसे चुंबक लोखंडाला व इतर धातूंना आपल्याकडे आकर्षित करतो, तसे या पुस्तकाने मला स्वतः कडे आकर्षित केले आहे.

'यशवंत व्हा!' हे पुस्तक खरंतर आजकालच्या मुलांनी वाचले पाहिजे. कारण या पुस्तकातून एक अनमोल गोष्ट नक्कीच समजते की, मुलांना यशवंत करण्यासाठी पालकांना त्यांचा अभ्यासक्रम यावाच लागतो असं नाही, पालकांना त्यांच्या मुलांना अभ्यास शिकवायचा नसतो, तर अभ्यास करायला शिकवायचं असतं.

डॉ. हतवळणे यांच्या मुलांनी दहावीत व बारावीत केलेल्या अभ्यासाच्या निराळ्या पध्दतीने माझ्या मनातील असलेला न्यूनगंड कायमचा स्थिरावला. हे पुस्तक वाचल्यानंतर एक धोक्याचा इशारा नक्कीच द्यावासा वाटतो की, प्रयत्नांना यश मिळते हे जरी खरे असले, तरी एस. एस. सी. सारख्या परीक्षेत नेहमीच प्रयत्नांना अपेक्षित यश मिळेलच असे नाही. पण मात्र ' यशवंत व्हा।' या पुस्तकाच्या नावातच दहावी– बारावी च्या मेरिट लिस्ट मध्ये येण्याचा राजमार्ग आहे.

लोक म्हणतात, 'पुस्तक वाचाल तर वाचाल' पण मी म्हणते पुस्तकांशी बोलाल तरच वाचाल. चांगल्याचा ध्यास घेतला की चांगलंच मिळत जातं, असे बोलणारे हे पुस्तक , विषयाची माहिती असणाऱ्याला ज्ञान असतंच, असं नव्हे, ज्ञान असणाऱ्याला विषयाची माहिती असतेच असं नव्हे, पण असण्याची शक्यता जास्त असते, ज्याला वेगळं काही मिळवायचं आहे, त्याला वेगळं काही करावंच लागतं. आईवडिलांच न ऐकणं म्हणजे स्मार्ट बनणं नाही. कुठल्याही प्रश्नाचे उत्तर लगेच अचूक देता येणं, हा खरा स्मार्टनेस आहे, असं बोलणारं हे माझं आवडते पुस्तक. प्रत्येक परीक्षेचा दिवस हा विशेष न वाटता नेहमीसारखा वाटला पाहिजे, हा बहुमोल विचार माझ्या मनावर कायमचा बिंबवला तो म्हणजे या पुस्तकाने. माणूस सवयींचा गुलाम असतो, हे किती लांच्छनास्यद आहे या ओळींचा परिणाम माझ्या मनावर झाला.

To Remember something you must for get something! हा आपल्या मेमरीचा नियम आहे, हे मला समजले. पुस्तक हे फक्त वाचायचं नसतं तर पुस्तकांच्या ओळींतील अर्थ समजून घ्यायचा असतो हे सर्वच पुस्तके सांगतात पण यशवंत व्हा या पुस्तकाने एका वेगळ्या पध्दतीने सांगितले. हे पुस्तक वाचल्यानंतर माझ्या वाईट सवयींना नक्कीच वेगळं वळण मिळालं असं मला वाटते. काही अनमोल, बहुमोल गोष्टी मला समजल्या त्या म्हणजे ध्येय जेवढ उंच तेवढे कष्ट जास्त, कष्ट योग्य दिशेने च घ्यावे लागतात. लगेचंच दिशा सापडत नाही, पण चुकतमाकत दिशा सापडते. कष्टाचा वारा सर्वांनी उचलायचा असतो. काळ, काम, वेग याचं गणित पाळलंच पाहिजे ही गोष्ट अगदी नक्की. काही गोष्टींना वेळ, काहींना पैसा, काहींना मनुष्यबळ लागतं. त्या त्या वेळेला ते ते पूर्णत्वाने वापरलं पाहिजे. आपण चोखाळणारे मार्ग हे सरळ, लाज न आणणारे असले पाहिजेत. मानसिक व शारीरिक संतुलन राखलंच पाहिजे योग्य गुरूच्या मार्गदर्शनाखाली आपलं स्व - अभ्यासाचं बळ पूर्णत्वाने वापरलंच पाहिजे. तयारी करत असताना गुणात्मक विचार केलाच पाहिजे. ' गुणात्मक ' हे उच्च दर्जा आणि मार्क या दोन्ही अर्थानं आहे.

1) Grasping - आकलन, 2) Memory - स्मरण, 3) Reasoning - कारण, 4)Co-Relation - कार्यकारण, 5) Abstract - गुढचिंतन

हे पाच स्टार ज्या मुलात किंवा मुलीत असले तर ते खरे स्टार आहेत हे मला यशवंत व्हा वाचल्यानंतर समजले. हे पुस्तक वाचल्यानंतर मी स्वतः मधले सुस गुण जागृत करणार आहे. सपाटून प्रयत्न करणार आहे. सर्व उपलब्ध असणाऱ्या गोष्टींचा पुरेपूर वापर करणार आहे. खऱ्या अर्थानं विद्या – अर्थी होणार आहे. = *God helps those who help themselves.* म्हणूनच विवेकानंद म्हणतात, *Nobody in this world has ever been taught Everybody has to teach himself* स्वतः ला मी इतकं शिकवेन, मोठं करेन, की बघणाऱ्याला भोवळ च येईल. मेरिट मध्ये येऊ की नाही, तिथे बोर्डात असं चालतं, तसं चालतं या

किरकोळ गोष्टीत अडकून राहणार नाही.

स्वतः ला इतकं सशक्त करेन की, *Dream of the sky* माझ्याकडे वाकड्या नजरेनं बघण्याची कुणाची ताकद होणार नाही. माझे पाय कुणी ओढू शकणार नाही. मी तर म्हणते माझे भविष्य मी स्वतः घडवणार आहे. मला कुणी ही रोखू शकणार नाही. जसे कवी इकबाल म्हणतात तसं –

❋खुद को कर बुलंद इतना की हर तकदिर से पहले❋

❋खुदा बंदे से खुद पूछे के बता तेरी रजा क्या है?❋

या कवितेतील शब्दानुसार मी स्वतः ला घडवणार आहे. खऱ्या अर्थाने माझ्या या फुलासारख्या आयुष्याला फुलवणार आहे.' यशवंत व्हा!' या पुस्तकाने माझ्याशी संपर्क साधला. त्यामुळे मी धन्य झाले, ज्ञानी झाले. मला या पुस्तकातून भरपूर काही शिकायला मिळाले. मी तर म्हणते' यशवंत व्हा!' हे पुस्तक जणू शिकवणीचे भांडार आहे. म्हणून मी या पुस्तकाच्या लेखकांना म्हणजेच डॉ. हतवळणे यांना धन्यवाद देते व हे पुस्तक माझे सर्व मित्र – मैत्रिणी वाचतील असे आश्वासन देते.

❋यशवंत व्हा! पुस्तकाचा एकच मंत्र विद्यार्थ्याने शिकावे ज्ञानाचे तंत्र❋

❋आयुष्याला मार्ग, आणि जीवनाचा आधार सुख, शांती ज्ञानाचा महासागर अपार❋

❋प्रकाशाच्या वाटेवर नित्य आम्ही तयार जीवनाच्या संघर्षातही सौख्य मिळवणार❋...

– मानसी नवले
एस. वाय. आर्टिफिशियल इंटेलिजन्स ॲन्ड डाटा सायन्स
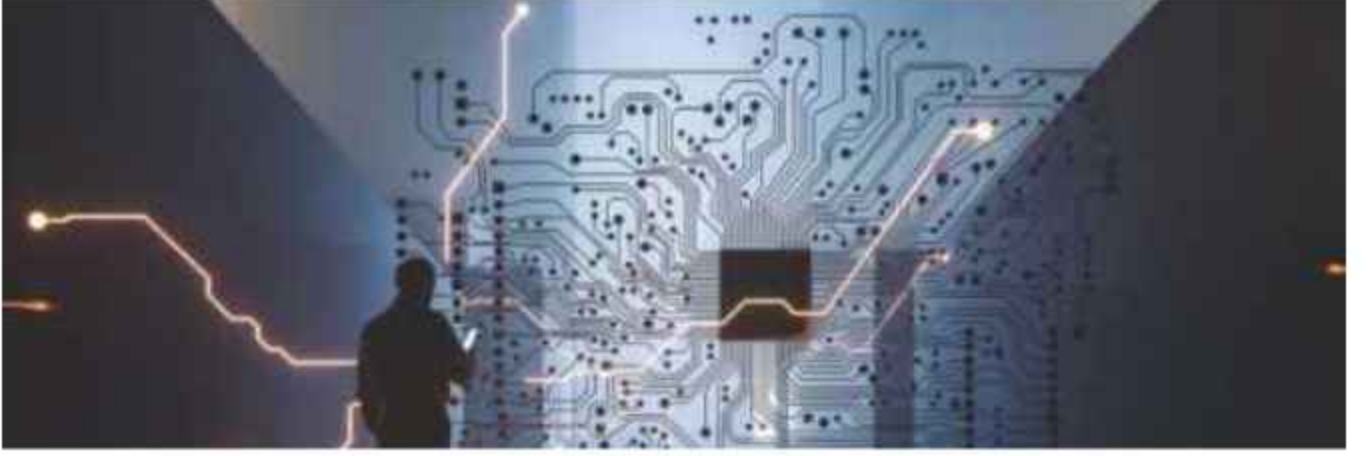
डेटा खनन

डेटा खनन परिभाषा ही एक कार्यपद्धती म्हणून पुढे जाऊ शकते जी संस्थेद्वारे कच्च्या डेटाला अर्थपूर्ण माहितीमध्ये बदलण्यासाठी वापरली जाते. जेव्हा व्यवसाय विशिष्ट डेटा नमुन्यांचा शोध घेण्यासाठी विशेष सॉफ्टवेअर सोल्युशन्सचा वापर करण्याचा विचार करतात तेव्हा ते त्यांच्या संबंधित ग्राहकांबद्दल अधिक जाणून घेण्यास सक्षम असतात. यामुळे एकूण खर्च कमी होत असताना आणि विक्री वाढत असताना व्यवसाय संघटनांना अत्यंत प्रभावी विपणन धोरण विकसित करण्यास मदत होते. डेटा खनन डेटाचे प्रभावी संग्रह, त्याचे कोठार आणि संगणक-आधारित प्रक्रियेवर अवलंबून असते.

अर्थपूर्ण ट्रेंड आणि नमुन्यांपर्यंत प्रवेश मिळविण्यासाठी डेटा खनन माहितीच्या अवरोध शोधण्याच्या आणि विश्लेषणाच्या प्रक्रियेत समाविष्ट आहे. याचा अनेक प्रकारे उपयोग केला जाऊ शकतो जसे क्रेडिट जोखीम व्यवस्थापन, डेटाबेस मार्केटिंग, स्पॅम ईमेल फिल्टरिंग, फसवणूक ओळख आणि अगदी वापरकर्त्यांचे मत किंवा भावना समजून घेणे. डेटा खनन प्रक्रियेस इतक्या सोप्या चरणांमध्ये खाली मोडले जाऊ शकते.

संस्थांकडून डेटा संकलन करणे आणि ते संबंधित डेटा गोदामांमध्ये लोड करणे. क्लाऊड किंवा इन हाऊस सर्व्हरवर – डेटा संचयित आणि व्यवस्थापित करणे माहिती तंत्रज्ञान व्यावसायिक, व्यवसाय विश्लेषक आणि व्यवस्थापन कार्यसंघांकडून डेटामध्ये प्रवेश करणे डेटा कशा व्यवस्थित करायचा हे ठरवित आहे समर्पित अनुप्रयोग सॉफ्टवेअर सोल्यूशन्स वापरकर्त्यांकडून प्राप्त झालेल्या निकालांच्या आधारावर विद्यमान डेटाची क्रमवारी लावतात शेवटच्या वापरकर्त्यांद्वारे वापरण्यास सुलभ आणि सामायिक स्वरूपात डेटाचे सादरीकरण – सारणी किंवा आलेख सारखे प्रभावी डेटा खनन आणि गोदाम सॉफ्टवेअर सोल्यूशनचा उपयोग डेटा खनन सॉफ्टवेअर प्रोग्रामचा उपयोग संबंधांच्या विश्लेषणासाठी आणि दिलेल्या वापरकर्त्याच्या विनंतीच्या आधारे डेटामधील नमुन्यांचा उपयोग केला जातो. उदाहरणार्थ, माहितीची योग्य वर्ग तयार करण्यासाठी एखादी विशेष डेटा मायनिंग सॉफ्टवेअर सोल्यूशन वापरण्याची एखादी संस्था वाट पाहू शकते. उदाहरणार्थ, असे गृहित धरू की रेस्टॉरंटने विशेष ऑफर पुरवावी की नाही है। ठरवण्यासाठी डेटा माइनिंग सॉफ्टवेअरचा वापर करण्याची इच्छा ठेवली आहे. हे ग्राहकांना कधी भेट देतात आणि कोणत्या ऑर्डरवर त्यांचा कल असतो या आधारावर वर्ग तयार करण्यासाठी संग्रहित केलेली माहिती पाहू शकतात.

इतर घटनांमध्ये डेटा खनिक काही तार्किक संबंधांच्या आधारे माहितीच्या क्लस्टर्सचा शोध देखील घेतात. ते दिलेल्या ग्राहकांच्या वागणुकीतील विशिष्ट ट्रेंडबद्दल निष्कर्ष काढण्यासाठी संबंधित संघटना आणि अनुक्रमिक नमुन्यांचे विश्लेषण देखील करतात. गोदाम डेटा खनन एक महत्त्वाचा घटक असल्याचे बाहेर वळले. जेव्हा संस्था एकल प्रोग्राम किंवा डेटाबेसमध्ये संबंधित डेटा केंद्रीकरणाची अपेक्षा करतात तेव्हा गोदाम होते. योग्य डेटा वेअरहाऊसच्या मदतीने, संस्थेद्वारे दिलेल्या वापरक द्वारे विश्लेषित आणि वापरण्यासाठी डेटाच्या विशिष्ट विभागांची क्रमवारी लावली जाऊ शकते. विद्यमान डेटा व्यवस्थित करण्याकडे व्यवसायांचा कल कसा आहे याची पर्वा न करता, डेटा खनन आणि गोदाम सॉफ्टवेअर सोल्यूशन व्यवस्थापनाच्या निर्णय प्रक्रियेस समर्थन देण्यास मदत करू शकतात.

– पार्थ खानझोडे
एस. ई. ई. एन. टी. सी.

जगता
आलं पाहिजे !!

आयुष्य जरी एकदा मिळत असल तरी
ते रोज नव्याने जगता आलं पाहिजे !!

परिस्थिती कुठलीही असू दे मनसोक्त हसता असताल पाहिजे
!!
छोट्या छोट्या गोष्टीत आनंद शोधता आला पाहिजे
कोणाच्या चेहऱ्यावरचा आनंद बघून
आपल्याला ही आनंदी होता आल पाहिजे !!
आयुष्य जरी एकदा मिळत असल तरी
ते रोज नव्याने जगता आलं पाहिजे !!

उद्याच्या पहाटेची भीती प्रत्येकाला असते पण
आजची रात्र शांतपणे घालवता आली पाहिजे!
वेळ कितीही वाईट असूदे स्वतःवरचा
तो विश्वास इतरांपेक्षा जास्त असला पाहिजे!!
आजची रात्र जरी आपली नसली तरीही चालेल,
उद्या येणारी ती पहाट ही आपलीच असेल
हे ठामपणे स्वतःला पटवून देता आलं पाहिजे
आयुष्य जरी एकदा मिळत असिल तरी
ते रोज नव्याने जगता आलं पाहिजे !!

एखादी उणीव तर प्रत्येकात असते
ती बाजूला सारून उंच झेप घेण्याची
आकांक्षा आपण बाळगली पाहिजे !!
सुरुवात छोटी असली तरी चालेल
स्वतःवर चा आत्मविश्वास हा शेवटपर्यंत आला पाहिजे!
स्वप्न कुठलंही असो, ते पूर्ण करण्याची धमक
त्या स्वप्न पाहणाऱ्यामध्ये कायम असलीच पाहिजे !
आयुष्य जरी एकदा मिळत असेल तरी
ते रोज नव्याने जगता आलं पाहिजे !!

- राजेश्वरी के
एस. वाय. इन्स्ट्रुमेंटशन

बदल !!

बाहेर पडून जेव्हा स्वतःसाठी निवारा शोधायला लागतो,
तेव्हा समजतं की आपल्या घराचा प्रत्येक कोपरा किती दिलासा देणारा असतो..!!
रोज दिलेल्या प्यालाभर पाण्याची किंमत ही तेव्हा कळते,
जेव्हा बाहेरुन थकून आल्यावर साधं पाणी द्यायला आई किंव्हा ताई सोबत नसते..!!
जेव्हा स्वतःच्या खाऊचा ठेवा स्वतः ठेवायला लगतो,
तेव्हा कळतं की बाबा तर न सांगता सगळं काही आणतो..!!
एरवी सतत दिसणारं पनीर जेव्हा महिन्या दोन महिन्यांत एकदा दिसते,
तेव्हा कळतं की बाबाने आणलेली आणि आई ने बनवलेली ताटातली प्रत्येक भाजी किती खास असते..!!
फक्त स्वतः साठी माठं धून भरताना जेव्हा नाकीनऊ येते
तेव्हा जाणवतं की गेले कित्येक वर्ष इतरांसाठी भरलेल्या पाण्याची,
आई ने साधी तक्रारही केलेली नसते..!!
घराचा उंबरा ओलंडताना आईला हाक देण्याची रोजची सवय असते, खरं वाईट तर तेव्हा वाटतं
एवढी हाक असूनही ती देण्यासाठी आपली हक्काची आई जवळ नसते..!!

<div align="right">

– राजेश्वरी के
एस. वाय. इन्स्ट्रुमेंटशन

</div>

'आयुर्वेद'

आयुर्वेद हा शब्द ऐकताच मनात प्रथमतः येणार विचार म्हणजे - झाडपाला, कडू औषधे, काढा.इ. पण आयुर्वेद हा. एका वृक्षाप्रमाणेच आहे– जेवढा वर उंच दिसतो तेवढाच खोल पण, तर चला आता आपण आयुर्वेदाच्या बाबतीत काही गोष्टी जाणून घेऊया...

कधी 'आयुर्वेद' याचा अर्थ काय असेल? याचा विचार मनात आला आहे का? तर बघा, आयु म्हणजे जीवन, आयुष्य आणि वेद म्हणजे ज्ञान, विद्या. एकंदरीत आयुर्वेद म्हणजे आयु चे संवर्धन करणारी किंवा आयु वाढवणारी, जीवन वाचवणारी विद्या होय. आयुर्वेदात अनेक उपचार पद्धती आहेत. त्या अश्या वनौषधी, वनस्पती गन्यऔषधी, आहारविषयक नियम व अटी, व्यायामाचे विविध प्रकार, या सर्वांद्वारे आपल्या शरीरातील नैसर्गिक रोगप्रतिकार शक्ती व शारीरीक क्षमता वाढवण्यावर भर दिला जातो. आर्युवेद हा आपल्याला लाभलेला खूप मोठा भाग्याचा साठा आहे.

आपल्या भारतात ज्या व्यक्तीस आयुर्वेदा चे ज्ञान आहे त्यास वैद्य म्हणतात, पण कोणास हे माहिती आहे का, की आयुर्वेदाचे जनक व प्रथम वैद्य कोण होते ?

आपल्या धर्मीय ग्रंथांच्या मान्यतेनुसार आयुर्वेदाचे जनक हे समुद्र मंथनातुन प्रकट झालेले देव धन्वंतरी हे मानले जातात. देव धन्वंतरी यांच्या हातात अमृत कलश, औषधी झाडपाला व अर्थर्ववेद आहे. अथर्ववेद हे चार वेदांपैकीचे एक वेद असून यात आयुर्वेदाचे अपार ज्ञान दडलेले आहे.

ऋषी-मुनींच्या काळापासुनच या आयुर्वेदाचे ज्ञान पुढे चालत आले आहे. आयुर्वेदाचे तज्ञ ज्ञाते म्हणून ओळखले जाणारे सुश्रुत एक महर्षी होते. महर्षी सुश्रुत यांना प्राचीन काळातील शल्यविशारद म्हणुन ओळखले जात असत.

महर्षी सुश्रुत यांनी लिहीलेला एका ग्रंथ सुप्रसिद्ध आहे ज्यास 'सुश्रुत संहिता' म्हणून ओळखले जाते. यात त्यांनी, ३२० हुन अधिक शस्त्रक्रिया विषयीचे ज्ञान मांडले आहे व १२० पेक्षा अधिक शस्त्रक्रियात वापरल्या जाणाऱ्या हत्यारांविषयी माहिती पण दिलेली आहे. त्यांनी लिहीलेल्या संहितेत आधुनिक काळात केल्या जाणा-या 'प्लास्टिक सर्जरी' विषयीचे ज्ञान आहे. तसेच याप्रमाणेच अनेक क्रियांविषयीचे ज्ञान आहे.

पण निराशा म्हणजे हीच की या सर्व गोष्टी आपण विसरत चाललो आहोत. आपण याचा विचार करत नाही हेच आपले दुर्भाग्य आहे.

- साक्षी पासार्गे
टी. वाय. इन्स्ट्रुमेंटशन

मुक्त वाणीचा उचित वापर

मुक्त वाणीच्या संरक्षणाची गरज सामाजिक व सांस्कृतिक प्रगतीसाठी अगदी महत्वाची आहे. हे मानवी हक्क आणि तत्त्वज्ञानाच्या विकासासाठी आवश्यक आहे. आपल्या संविधानाने मुक्त वाणीला एक महत्वाचं स्थान प्रदान केलं आहे, पण ह्याचा अधिकार उत्तमपणे वापरला पाहिजे.

मुक्त वाणी वापरताना आपल्याला योग्यता, सावधानी आणि समाजातील जवाबदारी योग्यपणे साठवण्याची गरज आहे. आपल्याला आपली विचारे आणि मते सामाजिक प्रगतीच्या मार्गात घालण्यासाठी वापरणे आवश्यक आहे, पण ह्या अधिकाराचा दुरुस्त वापर केवळ आपल्या अधिकाराच्या मर्यादित राहिलं पाहिजे.

वापर केल्यास अनेकांना ठार होतं. असंवेदनशील अथवा आपल्या अधिकारांचा खिडांमध्ये हानी ठेवणारे विचार आपल्या मुक्त वाणीचा उचित वापर नसून त्याचा दुरुस्त वापर करणे आवश्यक आहे.

समाजात विविधतेची आणि विचारांची प्रतिष्ठा ठेवण्यात मुक्त वाणीचा महत्व अगदी मोलाचा वाटा आहे. त्यामुळे, मुक्त वाणीचा उचित वापर केल्यासाठी जागरूकता आणि सामाजिक जवाबदारी आवश्यक आहे.

मुक्त वाणीचा उचित वापर करण्याच्या विचारात आल्यास, आपल्याला अर्थशास्त्र, सामाजिक विज्ञान, आणि इतर संबंधित विषयांची निर्देशिका असावी. ह्याचे मार्गदर्शन देणारे संदेश, विद्यानिर्मितींना आणि समाजाला अस्वाभाविकता वापरणार्या स्थितींमुळे वापरकर्त्यांना सामाजिक जिम्मेदारी दर्शवू शकतात.

मुक्त वाणीचा उचित वापर करण्याची एक महत्वाची परंपरा आहे कि, ती संवेदनशीलतेच्या आधारावर स्थापित केली जाते. ह्या परंपरेत स्वतंत्रतेची आणि विचारांची स्वतंत्रतेची आधारित समर्थन आणि प्रतिष्ठा असते. या परंपरेत स्वतंत्रतेचे वापरकर्ते सामाजिक समस्यांच्या विचारांची समाधान करण्यासाठी वापरले जाते.

मुक्त वाणीचा उचित वापर करण्याची विकृती वापरकर्त्याच्या स्वार्थाच्या आधारावर न करता जावा, तर त्याचा उपयोग समाजातील सर्व वर्गाच्या हितासाठी केला जावा. मुक्त वाणीचा उचित वापर करण्याचा महत्व असा आहे की, ते समाजातील सर्व वर्गांना अधिक सामाजिक और नैतिक मूल्यांच्या विकासासाठी योग्य मार्गदर्शन करण्याचा आणि समाजातील संघर्षाच्या निराकरणासाठी सामाजिक शक्तीचा उपयोग करणारी ही जिम्मेदारी असते.

अंतिम बर्ण, मुक्त वाणीचा उचित वापर करण्याच्या आधारावर, समाजातील जवाबदारी, सामाजिक विविधता, और सामाजिक समृद्धी या सर्वांच्या हितासाठी आणि न्यायाची सामाजिक पुनराराचना करण्यासाठी आवश्यक आहे. अशा प्रकारे, मुक्त वाणीचा उचित वापर करण्याची संदेश मानवी आणि सामाजिक उन्नतीच्या दिशेने असते.

– समृद्धी आसेकर
एस. ई. इलेक्ट्रिकल

अभिव्यक्तीची स्वातंत्र्य: सोप्पी स्वरूपांत वाहणारी शक्ती

विचारांची विविधता, भावना आणि विचारांचा संवाद माणसांची अभिव्यक्तीच्या माध्यमातून होते. मनुष्याला आपल्या भावना, विचारांचा निर्माण करण्याच्या अभिव्यक्तीची आवश्यकता असते. त्यांच्या अंदर काहीतरी आहे असे, ज्याचा व्यक्ती त्यांच्यात जास्त जागृती असते, तो त्यांच्या अभिव्यक्तीच्या प्रकारात काही रिकाम्या वाटते. अभिव्यक्ती म्हणजे मनातील भावनांची एक रुपात निर्मिती करण्याची शक्ती आणि ह्या शक्तीने सामाजिक आणि सांस्कृतिक सुरक्षिततेत सहाय्य करता.

माणसांची अभिव्यक्ती म्हणजे त्यांची स्वातंत्र्य. अभिव्यक्तीच्या माध्यमातून ह्या स्वातंत्र्याची अधिक सामर्थ्य दिसते. अभिव्यक्तीच्या माध्यमातून माणसांना स्वातंत्र्याची भावना आणि जिवाची प्रेमे व्यक्त करण्याची स्वतःची अधिक सामर्थ्य दिसते. अभिव्यक्तीची स्वातंत्र्य हे माणसांना आपल्या मते, विचारांना, भावना व्यक्त करण्याची स्वतंत्रता देते. ह्याचा महत्त्व अत्यंत आहे कारण अभिव्यक्ती शक्ती आणि स्वातंत्र्य एकत्र येऊन सामाजिक, राजकीय आणि सांस्कृतिक संघर्षात सामील होतात. अभिव्यक्तीची स्वातंत्र्य तर एक जागृत माणसाला आपल्या अधिकारांची श्रेणी आणि त्यांच्या भावना व्यक्त करण्याची स्वतंत्रता प्रदान करते. अभिव्यक्ती म्हणजे नोंदवा, व्यक्त करा आणि अपघात साधा. त्याच्यात अनेक प्रकाराच्या रूप आहेत – कला, साहित्य, गायन, नृत्य, वाद–गात, चित्रकला, फोटोग्राफी, विडिओ निर्मिती, ब्लॉगिंग, सोशल मिडिया इत्यादी. ह्या विविध प्रकारांतील अभिव्यक्ती नोंदवताला स्वातंत्र्याचा महत्त्व अत्यंत वाढतो. अभिव्यक्तीची स्वातंत्र्य म्हणजे सामाजिक आणि सांस्कृतिक स्वतंत्रतेचे एक महत्त्वपूर्ण साधन आहे. ह्या स्वातंत्र्याच्या माध्यमातून माणसांना त्यांची भावना, धारणा, विचारांची स्वतंत्रता आणि मतदानाची स्वतंत्रता मिळते. हे स्वतंत्रतेचे एक आदर्श आणि मानवीय स्वाभिमानाच्या एक प्रतिक होते.

अभिव्यक्तीची स्वातंत्र्य हे एक नागरिक आणि समाजाच्या स्वातंत्र्याच्या मूळभूत अधिकाराचा एक अद्वितीय प्रकार आहे. त्यांची समजूत करण्यासाठी, समाजात जागरुकता आणि अभिव्यक्तीच्या महत्त्वाचा मराठी साहित्य, कला, नृत्य, संगीत, चित्रकला, आणि इतर क्षेत्रातील विविध साधनांमध्ये प्रमुख आहे. याच स्वतंत्रतेचा वापर सामाजिक आणि आर्थिक परिस्थितीतील सुधारण्यात झाल्याचं अनेक प्रमाणे दिसते. अभिव्यक्तीची स्वातंत्र्य असेच निती विवादात असते, पण ह्या स्वातंत्र्याला संरक्षित ठेवण्यासाठी नागरिकांना आणि समाजाला जागरुक राहावं लागतं. अभिव्यक्तीची स्वातंत्र्य समाजातील विविधतेचा आणि मानवीय स्वाभिमानाच्या उच्चतम मूळभूत अधिकाराचा एक महत्त्वपूर्ण प्रतिनिधित्व करते.

अभिव्यक्तीची स्वातंत्र्य हे समाजाच्या विकासाच्या मूळभूत स्तंभातील एक महत्त्वपूर्ण भाग आहे. एक स्वतंत्र समाज म्हणजे एक स्वाभिमानी, उद्यमी, आणि प्रगतिशील समाज. अभिव्यक्तीची स्वातंत्र्य समाजात न्याय, सामाजिक समावेश, आणि सामूहिक विकास साधण्याचा एक महत्त्वपूर्ण अवस्थान देते. अभिव्यक्तीची स्वातंत्र्य ह्या युगात एक अत्यंत महत्त्वाची भूमिका खेळत आहे. सामाजिक संदेशांची प्रसारणा, समाजातील अस्वस्थता व अधिकारांची उलघडणी, राजकीय वाद–विवादात स्वतंत्र मतदानाची समर्थन, विचार आणि धारणांची विविधता ह्या स्वातंत्र्याच्या चिन्हे आहेत. मानवी अधिकारांच्या रक्षणासाठी, स्वतंत्र मतदानाचा एक महत्त्वाचा असा विचार वाढत आहे. जनतेच्या मतांना आधारित नेतृत्व आणि शासनाच्या प्रत्येक निर्णयांमध्ये लोकांच्या आत्मनिर्भर धोरणांचा प्रमाण दिसतो. अभिव्यक्तीची स्वातंत्र्य ह्याच्या रक्षणात एक महत्त्वाचा भाग आहे. मानवी समाजात सामाजिक, धार्मिक, राजकीय विचारांच्या विविधतेचा मान आणि समावेश ह्याच्या स्वातंत्र्याचे प्रमुख स्तंभ आहेत. विविधतेचा समावेश आणि समाजातील विभिन्न पक्षांच्या आवाजांचा समावेश ह्या स्वातंत्र्याचे प्रमाण दिसते. महात्मा गांधी, डॉ. बाबासाहेब आंबेडकर, सावित्रीबाई फुले, ज्योतिबा फुले, व इतर अनेक महानांच्या योगदानामुळे ह्या स्वातंत्र्याचा महत्त्व प्राचीन आणि आजच्या समाजात अधिक वाढत आहे.

स्वतंत्र विचारांच्या प्रसारासाठी आणि समाजातील संस्कृतीच्या समृद्धिसाठी, विविध साधनांचा उपयोग करणे आवश्यक आहे. आजच्या युगात, सोशल मिडिया, इंटरनेट, ब्लॉगिंग, क्लोगिंग, पॉडकास्टिंग, आणि व्हिडिओ संवादांच्या माध्यमातून स्वतंत्र विचार आणि अभिव्यक्ती व्यक्त केले जाते. ह्या सर्व साधनांचा उपयोग करून, समाजातील समस्यांचे समाधान करण्यात सहाय्य होते. अभिव्यक्तीची स्वातंत्र्य हे एक समाजातील जीवनाच्या संपूर्ण प्रक्रियेत अवचल महत्त्वाचे आहे. स्वतंत्र विचारांची प्रसारणा, स्वतंत्र मतदान, स्वतंत्र धारणा आणि स्वतंत्र अभिव्यक्तीचा प्रमोट एक समाजातील सुविधाचं आणि आधारभूत मूल्यांकन आहे. या प्रकारे, समाजातील प्रत्येक व्यक्तीला स्वतंत्रतेची महत्त्वाची अवधार या प्रकारे, अभिव्यक्तीची स्वातंत्र्य ही सामाजिक, सांस्कृतिक, आणि राजकीय विकासात एक महत्त्वाची भूमिका निभते. त्याची समजूत, संरक्षण, आणि प्रोत्साहन करण्यासाठी समाजाच्या प्रत्येक सदस्याचं सहभाग अत्यंत महत्त्वाचं आहे.

–सार्थक बेलवलकर

महाराष्ट्राचे माऊंट एव्हरेस्ट : कळसुबाई शिखर

उंची : ५४०० फूट

वेळ : साधारण ३ तास

ठिकाण : इगतपुरी व अकोले तालुक्याच्या सीमेजवळ, अहमदनगर

शिवाजीनगर बसस्थानकाजवळ सकाळी ११ वाजता आमची बस थांबली. आम्ही ट्रेकिंगसाठी सज्ज होतो. कोऑर्डिनेटरसोबत लगेचच ओळख झाली. काही सहकाऱ्यांशीसुद्धा ओळख झाली. थोड्याच वेळात गाडी सुटली. याआधीही काही साहसी, रोमांचक ट्रेक केले असल्यामुळे मनात उत्साह होता.

आमच्या बसने संध्याकाळी ८ वाजेच्या सुमारास एका छोट्या विश्रांतीसाठी थांबले. जवळपास सगळेच झोपून गेले होते. मंद वाऱ्याबरोबर संगीत सुरू होते. आम्हीही थोडा वेळ डोळे मिटून विसावलो. पहाटे ५ वाजण्याच्या सुमारास आम्ही बारे गावात पोहोचलो. बारे हे कळसुबाईच्या पायथ्याशी वसलेले गाव आहे. आमच्या सहा जणांच्या गटाने एकत्र नारता करून ट्रेकची सुरुवात केली. वातावरण आल्हाददायक होते. आकाशात ढगांची गडबड सुरू होती, पण पावसाचा मागमूस नव्हता.

कळसूबाई हे महाराष्ट्रातील सर्वात उंच शिखर आहे, हे जाणून मन अगदी आनंदित झाले होते. पावसामुळे झरे आणि धबधबे प्रवाहात होते. चढाई थोडीशी घसरड्या रस्त्यामुळे अवघड झाली होती. कळसूबाई नावाची मूळची मोलकरीण उंच पर्वतावर जाऊन बसली, अशी दंतकथा स्थानिकांनी सांगितली.

आम्ही हळूहळू वरती चढत होतो. काही जण निसर्गाचे फोटो काढण्यात मग्न होते, तर काही आनंदाने झाडांखाली विश्रांती घेत होते. सुमारे २.३० तासांच्या रोमांचकारी प्रवासानंतर आम्ही कळसूबाईच्या मंदिराजवळ पोहोचलो. महाराष्ट्राच्या सर्वात उंच ठिकाणी पोहोचण्याचा आनंद शब्दात व्यक्त होणारा नव्हता. ढगात असल्यासारखे वातावरण होते.

या ट्रेकमध्ये २-३ ठिकाणी लोखंडी शिड्यांचा आधार घ्यावा लागला. सूर्यप्रकाश अजूनही धुक्यामुळे स्पष्ट दिसत नव्हता. उंचावरून खाली पाहताना निसर्गाचे अचंबित करणारे दृश्य दिसत होते. सुमारे तासभर वरती राहून स्वच्छ, थंड हवेचा आस्वाद घेतला. कळसूबाई देवीला नमन करून आम्ही परतीच्या वाटेला लागलो. वाटेत सगळ्यांनी फोटो काढले आणि हळूहळू उतरत राहिलो. थकवा जाणवत होता, पण निसर्गाच्या सान्निध्यात राहण्याचा आनंद वेगळाच होता.

सुमारे दोन तासांत आम्ही पुन्हा पायथ्याला पोहोचलो. जवळच एका धबधब्याचा आवाज ऐकू आला. तिथे जाऊन पायथ्याजवळ गार पाण्यात भिजण्याचा आनंद घेतला. हा अनुभव अवर्णनीय होता. शहराच्या गोंगाटातून बाहेर पडून निसर्गाच्या कुशीत मिळालेला हा निवांतपणा जीवनात नवा उत्साह भरून गेला.

- श्रावणी पाचंग
द्वितीय वर्ष, इ. एन. टी. सी.

मायबोली मराठी

शिवरायांच्या जगण्याची चेतना,...
शंभूराजांच्या त्यागाची प्रेरणा...
शब्दातून उभी राहि ली स्वातंत्र्याच्या पाठी...
अशी माझी मायबोली मराठी...!!

तोडून जाती – पार्तींच्या चौकटी..
घडवून मावळ्यांची नि गडी छाती..
केली पवित्र महाराष्ट्रातील माती,...
अशी माझी मायबोली मराठी...!!

हि च्या शब्दांची गंमत न्यारी...
घडवि ली सावि त्री सारखी जि द्दी नारी...
अजूनही दुमदुमतेसह्याद्रीच्या दऱ्याखोरी ..
अशी माझी मायबोली मराठी...!!

ग्यानबा – तुकोबांच्या गजरात,
पू. लं च्या आणि कुसुमाग्रजांच्या काव्यात,
आया – बहि णींच्या नि रागस हास्यात....
सजतेमाझी मायबोली मराठी...!!

- -श्रावणी पाचंग
द्वितीय वर्ष, इ. एन. टी. सी.

कृत्रिम बुद्धिमत्ता आणि आपण

कृत्रिम बुद्धिमत्ता (AI) अलिकडच्या वर्षात झपाट्याने प्रगती करत आहे आणि त्याचा रोजगार व कर्मचाऱ्यांवर होणारा परिणाम लक्षणीय व बहुआयामी आहे. कृत्रिम बुद्धिमत्ता आता गतिशीलतेच्या टप्प्यावर पोहोचली आहे आणि तिचा प्रभाव अनेक क्षेत्रांमध्ये महत्त्वाचा ठरतो आहे. गेल्या काही वर्षात अख ने विविध क्षेत्रांमध्ये अनेक नवीन संधींचा विकास केला आहे व कार्यपद्धतीत परिवर्तन घडवले आहे.

१. नियमित कामांची स्वयंचलितता: कृत्रिम बुद्धिमत्ता (AI) ने अनेक नियमित कामे स्वयंचलित केली आहेत, ज्यामुळे काही ठिकाणी नोकरी गमावण्याची संधी निर्माण झाली आहे. विनिर्माण, वाहतूक आणि ग्राहक सेवा क्षेत्रांमध्ये अख चा प्रभावी वापर झाला आहे. अख प्रणालींनी कामातील गुणवत्ता सुधारली असून कर्मचारी नवीन कौशल्ये शिकण्याचा प्रयत्न करू लागले आहेत.

२. नोकरी भूमिकांचे पुनरुत्थान: (AI) च्या प्रभावामुळे काही नोकऱ्या नष्ट झाल्या असल्या तरी नवीन नोकऱ्यांचे सृजन झाले आहे. तंत्रज्ञान विकास, डेटा विश्लेषण, मशीन लर्निंग, आणि स्वयंचलित प्रणालींच्या अभियांत्रिकीसाठी मोठ्या प्रमाणावर संधी उपलब्ध झाल्या आहेत. या प्रक्रियेमुळे नवीन कौशल्यांची मागणी वाढली असून रोजगाराच्या संधींमध्ये लक्षणीय वाढ झाली आहे.

३. उत्पादकता आणि नवकल्पनांचा विकास: (AI) चा प्रभाव उत्पादकतेच्या क्षेत्रात ठळकपणे दिसून येतो. डेटा विश्लेषण, मॉडेलिंग आणि सिमुलेशन प्रक्रियांमध्ये अचूकता आणि कार्यक्षमता वाढली आहे. अख च्या अल्गोरिदममुळे मोठ्या प्रमाणावर डेटा विश्लेषण होऊन नवीन शोध व व्यापार संधी निर्माण होतात.

४. संवेदनशीलता आणि संवाद: (AI) प्रणालींच्या संवेदनशीलतेचा उपयोग ग्राहकांशी संवाद साधण्यासाठी केला जातो. सोशल मीडिया प्लॅटफॉर्म, ई-कॉमर्स वेबसाइट्स आणि इतर व्यवसाय अख च्या मदतीने ग्राहकांच्या गरजा ओळखून संवाद साधतात व अधिक चांगल्या सेवा पुरवतात.

५. आरोग्य क्षेत्रात सुधारणा: आरोग्य क्षेत्रात (AI) चा उपयोग मोठ्या प्रमाणावर होत आहे. डेटा विश्लेषणाद्वारे आजारांचे पूर्वानुमान व उपचार सोपे झाले आहेत. अख च्या मदतीने वैद्यकीय प्रक्रियांत सुधारणा होत असून रुग्णालयांतील तंत्रज्ञानाच्या वापरात वाढ झाली आहे.

६. शिक्षण आणि प्रशिक्षण: (AI) शिक्षण क्षेत्रातही महत्त्वाचे योगदान देत आहे. वैयक्तिकृत शिक्षण, नवीन शिक्षण पद्धतींचा विकास आणि विद्यार्थ्यांना अधिक मूल्य देण्यासाठी अख चा उपयोग केला जातो.

७. सुरक्षितता: (AI) चा उपयोग सायबर सुरक्षा, डेटा सुरक्षा आणि सामाजिक सुरक्षिततेसाठी केला जातो. चुकीच्या घडामोडी ओळखून त्यांना वेळीच रोखण्यात (AI) मदत करते.

८. पर्यावरणीय संरक्षण: (AI) च्या तंत्रज्ञानामुळे पर्यावरणीय संरक्षणही शक्य झाले आहे. उत्पादन प्रक्रियांत संवेदनशीलता आणि कार्यक्षमता वाढवून पर्यावरणाचे संवर्धन करण्यात अख मोठे योगदान देते.

कृत्रिम बुद्धिमत्तेचा वापर करताना त्याचे फायदे व तोटे समजून घेणे महत्त्वाचे आहे. समाजातील नैतिक आणि सांस्कृतिक मूल्यांवर होणारा परिणाम लक्षात घेऊन अख चा ताळमेळ साधणे गरजेचे आहे. तंत्रज्ञानाच्या प्रगतीमुळे रोजगार आणि जीवनमान यांमध्ये मोठा बदल होत असून, या बदलांसाठी तांत्रिक शिक्षण आणि कौशल्य विकास गरजेचा आहे.

– यश भालेकर
एस. वाय. बी. टेक (आयटी)

कलेतील व्यक्तिमत्व
कलाकारांची अंतर्दृष्टी

कला ही एक अशी साधना आहे, ज्याद्वारे व्यक्तीचे व्यक्तिमत्व उलगडते आणि साकार होते. कला म्हणजे केवळ रंग, आकार, स्वर, किंवा लय यांचा खेळ नाही, तर ती कलाकाराच्या आत्म्याची, त्याच्या विचारांची, आणि त्याच्या भावनांची एक सजीव वर्तमान आहे. कलेतील व्यक्तिमत्व म्हणजे कलाकाराच्या अंतर्गत विश्वाचे प्रतिबिंब. यासाठी, कलाकाराची अंतर्दृष्टी आणि त्याच्या कलेच्या प्रक्रियेतील मनोवैज्ञानिक पैलूंवर एक नजर टाकणे आवश्यक आहे.कला कशी साकारते यामध्ये कलाकाराच्या व्यक्तिमत्वाचा गहरा प्रभाव असतो. कलाकार आपले विचार, भावना, आणि जीवनातील अनुभव कलेच्या माध्यमातून प्रकट करतो. हे प्रकटणे केवळ बाह्य स्वरूपाचे नाही, तर त्या व्यक्तीच्या अंतर्गत जगाचे प्रतिनिधीत्व करणारे असते. प्रत्येक कलाकाराच्या कलेतून त्याच्या वैयक्तिक अनुभवांचे, आवडींचे, आणि त्याच्या आत्म्याच्या गहनतेचे चित्र उभे राहते.

चित्रकलेच्या संदर्भात, कलाकाराच्या व्यक्तिमत्वाची अंतर्दृष्टी म्हणजे रंगांचा, रेषांचा, आणि आकारांचा त्याच्या वैयक्तिक अनुभवर आधारित वापर. एक चित्रकार रंगांची निवड कशी करतो, आकारांचे संयोजन कसे करतं, आणि त्यांच्या कलाकृतीमध्ये कोणत्या भावना प्रकट करतो हे सगळं त्या चित्रकाराच्या अंतर्मनाचे प्रतिबिंब असते. उदाहरणार्थ, एक चित्रकार जो जीवनाच्या गहनतेवर विचार करतो, त्याच्या चित्रांतून गंभीरता आणि विचारांची खोली दिसून येईल. त्याचे रंग, रेषा, आणि चित्रणातील शैली या सर्वांचा कलाकाराच्या अंतर्मनाशी थेट संबंध असतो.संगीताच्या संदर्भात, कलाकाराच्या व्यक्तिमत्वाची अंतर्दृष्टी संगीताच्या स्वरात आणि तालात प्रकट होते. संगीतकार आपल्या सुरांमध्ये, तालात, आणि ध्वनीच्या गाभ्यातून आपल्या भावनांचा आणि अनुभवांचा प्रदर्शन करतो. संगीताच्या प्रत्येक टोनमध्ये, लयमध्ये, आणि सुरात त्याच्या व्यक्तिमत्वाचे विशेषतः गुप्त भाग व्यक्त होतात. संगीतकाराच्या गाण्यातून किंवा संगीताच्या स्वरांतून त्याच्या आतल्या भावनांचा, आशावादाचा किंवा चिंतेचा ठसा उभा राहतो.

नृत्याच्या क्षेत्रात, कलाकाराच्या व्यक्तिमत्वाचे दर्शन त्याच्या हालचालींमध्ये, गतिसंवेदनांमध्ये, आणि भावनांच्या अभिव्यक्तीत दिसून येते. नर्तकाच्या प्रत्येक पावला, चालण्याच्या शैलीत, आणि शारीरिक अभिव्यक्तीतून त्याच्या अंतरंगातील भावना आणि विचार व्यक्त होतात. त्याच्या नृत्याच्या प्रत्येक धडपडीत, एक नवा भावनिक अनुभव उलगडतो. नृत्याच्या माध्यमातून व्यक्त होणारे भावनात्मक अनुभव आणि व्यक्तिमत्वाचे गहनपण ही कला समजून घेण्यासाठी महत्त्वाचे आहे.अभिनयाच्या क्षेत्रातही, कलाकाराच्या व्यक्तिमत्वाची अंतर्दृष्टी स्पष्टपणे दिसते. एक अभिनेता किंवा अभिनेत्री त्यांच्या भूमिकेत पूर्णपणे गुंतलेले असतात. त्याच्या अभिनयातून त्यांच्या वैयक्तिक अनुभवांचे, भावना आणि विचारांचे गुप्त पैलू उलगडतात. त्यांच्या अभिनयात असलेली गहनता, चरित्रातील विविध पैलू, आणि भावनांची सुसंगती ह्या सर्वांनी कलाकाराच्या अंतर्मनातील व्यक्तिमत्वाचा एक भाग उलगडतो.

कलाकारांच्या कलेतून व्यक्तिमत्वाची अंतर्दृष्टी समजून घेणे म्हणजे त्याच्या मनातील गूढतेला उघडणे आणि त्याच्या कार्याच्या मागील विचारधारेला समजून घेणे. कलेतील प्रत्येक तपशील, रंग, स्वर, आणि हळूहळू अभिव्यक्ती यांचा कलाकाराच्या व्यक्तिमत्वाशी थेट संबंध असतो. एक कलाकार आपल्या कलेच्या माध्यमातून त्याच्या अंतर्गत भावनांना, विचारांना, आणि अनुभवांना बाहेर आणतो, आणि त्या माध्यमातून एक अनोखी कथा सांगतो.अखेर, कलेतील व्यक्तिमत्व म्हणजे त्या कलाकाराच्या अंतर्गत जगाचा परिपूर्ण व्यक्तिमत्व आहे. कलेच्या प्रत्येक शृंगारिक घटकात, कलाकाराच्या आत्मातला गूढता आणि भावनांची गहनता सामावलेली असते. कला ही एक दृश्यात्मक कथा आहे, जी त्या कलाकाराच्या अंतर्मनातील कथा आणि अनुभवांची अभिव्यक्ती करते. कलाकाराच्या कलेतून त्याच्या व्यक्तिमत्वाची अंतर्दृष्टी समजून घेणे म्हणजे, त्या व्यक्तीच्या आत्म्याची, भावना, आणि विचारांची एक सजीव वर्तमान वाचणे होय.

– तेजस पाटील
टी. वाय. इन्फरमेशन टेक्नॉलॉजी

भावनांची अभिव्यक्ती. व्यक्तिमत्वाची ओळख

प्रत्येक मनुष्याची व्यक्तिमत्व हे एक अनोखं मिश्रण असतं. त्याच्या जीवनातील अनुभव, विचार, आणि भावनांचा तो एक सुगंधी तुरा असतो. पण या व्यक्तिमत्वाची खरी ओळख होण्यासाठी त्याच्या भावनांची अभिव्यक्ती महत्वाची ठरते. एखाद्या व्यक्तीच्या मनातील भावना, विचार, आणि त्याच्या जीवनातील घडामोडींचं प्रतिबिंब म्हणजेच त्याचं व्यक्तिमत्व. आणि या सगळ्याचं एकत्रित प्रतिबिंब त्याच्या अभिव्यक्तीतून समोर येतं.प्रत्येकाच्या व्यक्तिमत्वाचं एक गूढ असतं. हे गूढ उलगडण्याचं काम भावनांच्या अभिव्यक्तीमुळे होतं. एखादी व्यक्ती कशी विचार करते, तिला काय आवडतं, काय आवडत नाही, तिच्या जीवनातील महत्त्वाच्या घटकांचा तिला काय अनुभव आहे, हे सगळं तिच्या अभिव्यक्तीतून बाहेर येतं. प्रत्येक व्यक्तीच्या अभिव्यक्तीचा एक खास अंदाज असतो. काहीजण हे अभिव्यक्तीचा आधार घेत, आपल्या शब्दांमध्ये भावना व्यक्त करतात, तर काहीजण आपल्या कृतीतून.

अभिव्यक्ती हे केवळ शब्दांमध्ये साकारत नाही, तर ते शरीरभाषा, हावभाव, आवाजाचा सूर, आणि जीवनातील वेगवेगळ्या कला स्वरूपांमध्येही दिसतं. उदाहरणार्थ, एखाद्या व्यक्तीचं बोलण्याचं, चालण्याचं, हसण्याचं, किंवा गाणं गाण्याचं पद्धत तिच्या व्यक्तिमत्वाचं एक वेगळं रूप दर्शवते. शब्दांच्या पलिकडे, तिच्या चेहऱ्यावर दिसणारे हावभाव, डोळ्यांमधील चमक, आणि आवाजातील चढ–उतार हे सगळं त्या व्यक्तीच्या भावनांना ओळख देतं. भावनांची अभिव्यक्ती ही व्यक्तिमत्वाची ओळख निर्माण करण्यात कशी मदत करते, याचं उदाहरण म्हणजे एक कलाकार. एखादा चित्रकार त्याच्या रंग, रेषा, आणि आकारांच्या माध्यमातून त्याच्या अंतःकरणातील भावना व्यक्त करतो. त्याच्या चित्रांतून व्यक्त होणाऱ्या भावना त्याच्या व्यक्तिमत्वाची साक्ष देतात. चित्रकाराच्या प्रत्येक चित्रात एक वेगळं गूढ असतं, जे त्याच्या विचारांची, अनुभवांची, आणि भावनांची गोष्ट सांगतं. याच प्रकारे, एक गायक आपल्या आवाजाच्या माध्यमातून त्याच्या हृदयातील भावना प्रकट करतो. त्याच्या आवाजातील सूर, ताल, आणि भावनांची गहनता हे त्याच्या व्यक्तिमत्वाचं प्रतिबिंब असतं.

व्यक्तिमत्वाच्या ओळखीचं एक महत्वाचं अंग म्हणजे त्याच्या भावनांचा आविष्कार कसा होतो. काहीजण स्वतःच्या भावना मोकळेपणाने व्यक्त करतात, तर काहीजण त्या आतल्या आत दडवून ठेवतात. व्यक्तिमत्वाची ओळख ह्या अभिव्यक्तीच्या स्वरूपावरही अवलंबून असते. उदा., एक संवेदनशील व्यक्ती तिच्या भावना स्पष्टपणे मांडताना शब्दांचा वापर करते, तर दुसरीकडे, एक अंतर्मुख व्यक्ती तिच्या कृतीतून भावना व्यक्त करते.

कला, संगीत, आणि नृत्य हे सर्व भावनांच्या अभिव्यक्तीचे प्रभावी मार्ग आहेत. व्यक्तिमत्वाच्या ओळखीच्या दृष्टिकोनातून, या कला प्रकारांनी भरलेली अभिव्यक्ती ही शब्दांच्या पलिकडे जाणारी गोष्ट आहे. एक नर्तक आपल्या प्रत्येक हालचालीतून, एक संगीतकार आपल्या प्रत्येक सुरातून, आणि एक लेखक आपल्या प्रत्येक शब्दांतून भावनांची अभिव्यक्ती करत असतो. अशा प्रकारे व्यक्तिमत्वाची ओळख ही केवळ शब्दांत अडकली नसते, तर ती विविध माध्यमांतून व्यक्त होत असते.आयुष्याच्या प्रवासात, प्रत्येकजण आपल्या भावनांना व्यक्त करण्याचा प्रयत्न करतो. कोणासाठी हे सोपं असतं, तर कोणासाठी कठीण. काहींना त्यांचं व्यक्तिमत्व मोकळेपणाने प्रकट करणं आवडतं, तर काहींना ते गुप्त ठेवणं आवडतं. तरीसुद्धा, व्यक्तिमत्वाची खरी ओळख ही त्या व्यक्तीच्या भावनांच्या अभिव्यक्तीमधूनच समजते.

भावनांची अभिव्यक्ती म्हणजे एक प्रकारचा संवाद आहे, ज्यामधून आपलं अंतःकरण बोलतं. हा संवाद कधी शब्दांमध्ये, कधी कृतीतून, तर कधी एखाद्या कलाकृतीतून प्रकट होतो. व्यक्तिमत्वाची ओळख ही या संवादाच्या प्रवाहातून साकार होते. व्यक्तिमत्वाचं खरं रूप कळण्यासाठी त्या व्यक्तीच्या भावनांची अभिव्यक्ती समजून घेणं आवश्यक असतं.शेवटी, भावनांची अभिव्यक्ती ही व्यक्तिमत्वाची खरी ओळख दर्शवते. त्यातूनच त्या व्यक्तीच्या अंतरंगाची ओळख होते, तिच्या जीवनातील महत्त्वाच्या घटकांचा शोध लागतो, आणि तिच्या अस्तित्वाचं खऱ्या अर्थाने प्रतिनिधित्व केलं जातं. व्यक्तिमत्वाची ओळख ही भावनांच्या अभिव्यक्तीतून साकार होते, जी प्रत्येक व्यक्तीच्या जीवनातील एक महत्वाची, अनिवार्य प्रक्रिया आहे.

– आदित्य सरदे
टी. वाय. ए. आय. ऑन्ड डी. एस.

शब्दांच्या पलीकडचं मनोगत. कला आणि अभिव्यक्ती

शब्द हे संवादाचे एक महत्त्वाचे माध्यम आहे. त्यांच्याद्वारे आपण आपल्या भावना, विचार, आणि कल्पना व्यक्त करतो. मात्र, शब्दांची एक मर्यादा असते. प्रत्येक भावना, प्रत्येक अनुभव, किंवा प्रत्येक विचार शब्दांत अचूकपणे व्यक्त करता येईलच, असं नाही. या शब्दांच्या मर्यादांच्या पलीकडे एक विशाल क्षेत्र आहे, ज्याला केवळ कला आणि अभिव्यक्तीच्या माध्यमातून समजावून घेतलं जाऊ शकतं. ही कला शब्दांच्या मर्यादांना ओलांडून जाऊन आपल्या अंतर्मनातील भावविश्व उलगडते.

कला म्हणजे केवळ रंग, आकार, ध्वनी, किंवा शब्द यांचा खेळ नाही. ती एक सजीव, श्वास घेणारी, आणि भावनांनी भरलेली प्रक्रिया आहे. जेव्हा आपण एखाद्या चित्रकाराच्या चित्राकडे पाहतो, तेव्हा त्याने वापरलेल्या रंगांच्या आडून एक गूढ कथा आपल्यापर्यंत पोहोचते. तो रंगांचा खेळ, ती रेषांची उलटफेर, ती अस्वस्थ करणारी किंवा सुखावणारी रंगसंगती, हे सगळं शब्दांपेक्षा कितीतरी अधिक बोलतं. ते आपल्याला एका अशा जगात घेऊन जातं, जिथे शब्द थांबतात आणि भावनांची, अनुभवांची गोष्ट सुरु होते.

चित्रकलेप्रमाणेच, संगीतही एक असं माध्यम आहे, जे शब्दांच्या मर्यादांना ओलांडून जातं. जेव्हा एखादा संगीतकार सुरांचा, तालांचा, आणि ध्वनिचा वापर करून एखादी रचना तयार करतो, तेव्हा तो केवळ संगीतच तयार करत नाही, तर एका भावनात्मक प्रवासाची निर्मिती करतो. संगीताच्या लयीमध्ये एक असं काहीतरी असतं, जे शब्दांमध्ये पकडता येणार नाही. त्या ध्वनींच्या प्रत्येक चढ-उतारात एक वेगळी भावना दडलेली असते. शब्द जिथे संपतात, तिथे संगीत सुरु होतं. आणि हा प्रवास अनुभवताना आपल्याला कळतं की, शब्दांच्या पलीकडचं मनोगत कसं व्यक्त करता येतं.

नृत्य हा देखील अभिव्यक्तीचा एक प्रभावी मार्ग आहे. एखाद्या नृत्यकाराच्या हालचाली, त्याचा प्रत्येक ताल, त्याचा देहबोली, हे सर्व एकत्र येऊन एक कथा सांगतात. नृत्यातून व्यक्त होणाऱ्या भावना, संघर्ष, प्रेम, दुःख, किंवा आनंद हे सगळं शब्दांपेक्षा कितीतरी प्रभावीपणे समोर येतं. नृत्य हे केवळ शारीरिक हालचालींचं एक माध्यम नाही, तर ते मनाच्या गूढतेला, आतल्या कोपऱ्यांना, आणि विचारांच्या खोल भागांना उजाळा देणारं एक शक्तिशाली माध्यम आहे.

कविताही एक असं माध्यम आहे, ज्यामध्ये शब्दांचा वापर करून शब्दांच्या मर्यादांना ओलांडता येतं. कवितेतून व्यक्त होणारी भावना, विचारांची गहनता, आणि संवेदनांची खोली हे सगळं वाचकांच्या मनात खोलवर परिणाम करतं. कविता म्हणजे शब्दांचा खेळ असला, तरी ती शब्दांच्या पलीकडचं मनोगत व्यक्त करण्याचं साधन आहे. एखादा कवि आपल्या कवितेतून असे काही विचार आणि भावना व्यक्त करू शकतो, जे शब्दांच्या सीमेत अडकून न राहता, वाचकांच्या हृदयाला स्पर्श करतात.

शिल्पकला हा आणखी एक अभिव्यक्तीचा प्रकार आहे, जो शब्दांच्या मर्यादांना ओलांडून जातो. एखाद्या शिल्पकाराने तयार केलेलं शिल्प, ते केवळ आकारांची निर्मिती नाही, तर त्यात एक मनुष्याच्या भावना, विचार, आणि अनुभवांचं प्रतिबिंब असतं. शिल्पकलेतून व्यक्त होणाऱ्या या भावना, त्या आकारांच्या पलीकडे जाऊन एक वेगळं जग निर्माण करतात. शिल्पकाराच्या हातांनी आकार दिलेलं शिल्प हे शब्दांत व्यक्त करता येणारं काही नसतं, तर ते अनुभवायचं, जाणायचं, आणि समजून घ्यायचं असतं.

कला आणि अभिव्यक्तीचे हे विविध प्रकार आपल्याला शब्दांच्या पलीकडच्या जगाची ओळख करून देतात. शब्दांमध्ये जी गोष्ट साकारता येत नाही, ती कलेच्या माध्यमातून साकारता येते. या कलेच्या माध्यमातून आपल्या अंतर्मनातील गूढ, आपल्या भावनांच्या गहनता, आणि आपल्या अनुभवांचं वैविध्य समोर येतं.

शब्दांच्या पलीकडचं मनोगत म्हणजे एक असं जग आहे, जिथे शब्द अपुरे पडतात. त्या जगात प्रवेश करण्यासाठी आपल्याला कलेचा आधार घ्यावा लागतो. कला ही एक अशी शक्ती आहे, जी आपल्याला आपल्या अंतर्मनातील विचारांना, भावनांना, आणि संवेदनांना सजीव रूप देण्यासाठी साहाय्य करते. ती आपल्याला स्वतःला ओळखण्याचा, स्वतःशी संवाद साधण्याचा, आणि इतरांशी आपल्या भावनांचा आदानप्रदान करण्याचा मार्ग दाखवते.

शब्दांच्या पलीकडचं मनोगत हे म्हणजे आपल्या अस्तित्वाचं, आपल्या अस्मितेचं, आणि आपल्या जीवनाच्या अनुभवाचं प्रतिबिंब आहे. कलेच्या माध्यमातून आपल्याला हे मनोगत व्यक्त करण्याची संधी मिळते. ही कला आपल्याला केवळ बाह्य जगाशी नव्हे, तर आपल्या अंतर्मनाशीही संवाद साधण्याचं साधन बनते.

अळेर, कला ही केवळ अभिव्यक्तीचं माध्यम नाही, तर ती एक असं साधन आहे, ज्यामुळे आपण आपल्या असंख्य विचारांच्या आणि भावनांच्या प्रवाहाला आकार देऊ शकतो. ती आपल्याला शब्दांच्या मर्यादांच्या पलीकडे नेऊन, एक असं मनोगत व्यक्त करण्याची संधी देते, जे आपल्या अस्तित्वाचं, आपल्या अस्मितेचं, आणि आपल्या अनुभवांचं खऱ्या अर्थाने प्रतिनिधित्व करतं. शब्दांच्या पलीकडचं मनोगत हे कलेच्या माध्यमातूनच पूर्णत्वास जातं.

– आयुष मुसळे
एस. वाय. कम्प्युटर

संवादाची नवी परिभाषा. तंत्रज्ञान आणि अभिव्यक्ती

संवाद हा मानवाच्या जीवनातील अत्यावश्यक घटक आहे. पूर्वीच्या काळात संवाद म्हणजे दोन व्यक्तींमधील तोंडी बोलणे, पत्रलेखन किंवा लेखनातून विचार व्यक्त करणे असे मानले जात होते. मात्र, तंत्रज्ञानाच्या झपाट्याने बदललेल्या युगात संवादाची ही पारंपरिक व्याख्या बदलली आहे. तंत्रज्ञानाने संवादाला एक नवी परिभाषा दिली आहे, ज्यामध्ये अभिव्यक्तीचे अनेक नवीन माध्यम उभी राहिली आहेत.

आता संवाद केवळ शब्दांच्या चौकटीत अडकलेला नाही. तो कलेपासून आभासी जगापर्यंत विस्तारला आहे. पूर्वी रेडिओ, टेलिव्हिजन, आणि दूरध्वनी यांसारख्या माध्यमांचा वापर संवादासाठी होत असे. या माध्यमांनी संवादाला नवीन दिशा दिली, ज्यामुळे तो अधिक व्यापक आणि जलद झाला. मात्र, इंटरनेटच्या आगमनाने संवादाच्या स्वरूपात क्रांतिकारक बदल घडवून आणले.

सोशल मीडियामुळे संवादाच्या संकल्पनांमध्ये आमूलाग्र बदल झाला आहे. आता आपण केवळ एकमेकांशी बोलत नाही, तर जगभरातील लोकांशी संवाद साधण्याची क्षमता आपल्याकडे आहे. ट्विटरवरील २८० अक्षरांच्या ट्विट्सपासून इन्स्टाग्रामवरील फोटो शेअरिंगपर्यंत, फेसबुक पोस्ट्स ते व्हॉट्सऑपवरील त्वरित संदेशांपर्यंत संवादाची अनेक माध्यमे उदयास आली आहेत.

आता आपण केवळ शब्दांच्या माध्यमातूनच नव्हे, तर प्रतिमा, व्हिडिओ, जि.आई.फ आणि इमोजींच्या साहाय्यानेही संवाद साधतो. इमोजींच्या वापराने भावना व्यक्त करणे अधिक सोपे झाले आहे. व्हिडिओ कॉन्फरन्सिंग आणि लाईव्ह स्ट्रिमिंगच्या माध्यमांतून संवाद अधिक सजीव आणि प्रभावी झाला आहे. झूम, गूगल मीट, आणि मायक्रोसॉफ्ट टीम्ससारख्या साधनांनी संवाद अधिक तात्काळ, स्पष्ट आणि प्रभावी बनवला आहे.

तंत्रज्ञानाच्या प्रगतीमुळे संवादाच्या परिभाषेत आभासी वास्तवता (Virtual Reality) आणि संवर्धित वास्तवतेचा (Augmented Reality) समावेश झाला आहे. या तंत्रज्ञानांच्या मदतीने संवाद अधिक सजीव, प्रभावी आणि अनुभवसमृद्ध झाला आहे. आभासी जगात संवाद केवळ शब्दांपुरता मर्यादित नसून तो संपूर्ण अनुभव देणारा झाला आहे.

स्वयंचलित संवाद ही आणखी एक महत्त्वाची बाब बनली आहे. चॅटबॉट्स, व्हर्च्युअल असिस्टंट्स, आणि स्वयंचलित कॉलिंग सिस्टिमसचा वापर करुन अनेक कंपन्या त्यांच्या ग्राहकांशी जलद आणि परिणामकारक संवाद साधत आहेत. या साधनांनी संवाद अधिक वैयक्तिक आणि प्रभावी बनवला आहे. अभिव्यक्तीच्या क्षेत्रात डिजिटल कलेचा समावेश झाला आहे. डिजिटल पेंटिंग्स, ग्राफिक डिझाईन्स, ३डी मॉडेलिंग, आणि ॲनिमेशन यांसारख्या माध्यमांद्वारे कलाकार त्यांच्या कल्पना जिवंतपणे व्यक्त करत आहेत. डिजिटल कला ही अभिव्यक्तीची एक नवी भाषा बनली आहे.

तंत्रज्ञानाच्या साहाय्याने संवादाच्या परिभाषेत केवळ नवीन साधनांचा समावेश झाला नाही, तर एक नवीन संवाद संस्कृतीही निर्माण झाली आहे. तंत्रज्ञानाने संवादाला अधिक विस्तृत, प्रभावी, आणि सजीव बनवले आहे.

संवादाची नवी परिभाषा अधिक व्यापक, सजीव, आणि अनुभवात्मक बनली आहे. या नव्या परिभाषेमुळे संवाद केवळ विचारांच्या आदानप्रदानापुरता मर्यादित न राहता तो अनुभवात्मक संवाद साधने बनला आहे. तंत्रज्ञानामुळे संवादाच्या नव्या अनुभवांची दारे उघडली गेली आहेत, ज्यामुळे संवादाचे स्वरूप अधिक प्रभावी आणि आकर्षक झाले आहे.

- तेजस शेंडे
एस. वाय. कम्प्युटर

संस्कृतीचे प्रभाव
विविध सांस्कृतिक पार्श्वभूमीतील व्यक्तिमत्त्वाचे अध्ययन

संस्कृती ही व्यक्तीच्या व्यक्तिमत्त्वावर आणि सामाजिक वर्तनावर खोलवर प्रभाव टाकते. आपल्या सामाजिक वातावरणातील विविध सांस्कृतिक मूल्ये, परंपरा, आणि विश्वास हे एकत्र येऊन व्यक्तिमत्त्वाच्या निर्माण प्रक्रियेत एक महत्त्वाचा भाग असतात. विविध सांस्कृतिक पार्श्वभूमीतील व्यक्तिमत्त्वाचे अध्ययन म्हणजे विविध सांस्कृतिक घटक व्यक्तिमत्त्वाच्या विकासावर कसा प्रभाव टाकतात हे समजून घेणे. प्रत्येक संस्कृतीचे एक विशेष तत्त्वज्ञान असते, ज्यामुळे त्या संस्कृतीतील लोकांचे विचार, भावना, आणि वर्तन विशिष्ट पद्धतीने आकारले जातात. संस्कृतीचे मूल्ये आणि परंपरा लोकांच्या दैनंदिन जीवनात, त्यांच्या विचारधारेत, आणि त्यांच्या सामाजिक वर्तनात प्रतिबिंबित होतात. यामुळे व्यक्तिमत्त्वाची रचना या सांस्कृतिक प्रभावांवर आधारित असते.

उदाहरणार्थ, जपानी संस्कृतीच्या संदर्भात विचार करता, जपानी लोकांची शांतता, संयम, आणि हृदयाचे शीतलपण हे त्यांच्या सांस्कृतिक मूल्यांचे मुख्य अंग आहेत. जपानी समाजात, 'हिरागाना' आणि 'कांजी' या लेखन प्रणालीचा उपयोग करुन व्यक्तिमत्त्वाची विविधता दर्शवली जाते. 'पण' किंवा 'विनी' हे जपानी संस्कृतीतील अत्यंत महत्त्वाचे तत्त्व आहे, ज्यामुळे व्यक्तिगत भावना आणि वर्तन अधिक तटस्थ आणि संयमित असतात. जपानी संस्कृतीमध्ये, लोकांचे वर्तन सामाजिक कर्तव्य, शिष्टाचार, आणि आदर यावर आधारित असते, ज्यामुळे त्यांचे व्यक्तिमत्त्व शांत, समजदार, आणि परिष्कृत होईल. उदाहरणार्थ, जपानच्या प्रसिद्ध लेखक हरुकी मुराकामीच्या कलेतून आणि साहित्यिक शैलीतून जपानी सांस्कृतिक मूल्यांची परंपरा स्पष्टपणे दिसून येते.

त्याचप्रमाणे, भारतीय संस्कृतीत विविधता आहे. भारतातील विविध प्रांतांमध्ये परंपरा, भाषा, धर्म, आणि सांस्कृतिक मूल्यांची मोठ्या प्रमाणात विविधता आहे. भारतीय संस्कृतीत, कुटुंबाचा महत्त्व, धार्मिक परंपरा, आणि सामाजिक कर्तव्य ह्या मूल्यांचे ठळक स्थान आहे. त्यामुळे भारतीय व्यक्तिमत्त्वे सहनशीलता, कुटुंबप्रेम, आणि विविधतेचा स्वीकार या गुणांनी परिपूर्ण असतात. भारतीय समाजातील विविध धर्म, जाती, आणि भाषेतील व्यक्तींची अभिव्यक्ती त्यांच्याच सांस्कृतिक संदर्भात केलेली असते, जी त्यांच्या व्यक्तिमत्त्वाच्या विकासात महत्त्वाची भूमिका बजावते. उदाहरणार्थ, महात्मा गांधींच्या जीवनशैली आणि कार्यात भारतीय सांस्कृतिक मूल्यांची गहनता आणि समर्पण स्पष्टपणे दिसते.

पाश्चात्य संस्कृतीत, स्वातंत्र्य, व्यक्तिस्वातंत्र्य, आणि आत्मविवेक यावर जोर दिला जातो. पश्चिमी संस्कृतीतील लोक स्वतःच्या व्यक्तिगत अभिव्यक्तीवर आणि स्वतंत्रतेवर जोर देतात. त्यामुळे, पाश्चात्य संस्कृतीतील व्यक्ती अधिक आत्मविश्वासाने, खुलेपणाने, आणि व्यक्तिवादी दृष्टिकोनाने व्यक्तिमत्त्व प्रकट करतात. हा दृष्टिकोन त्यांच्या विचारसरणीवर, जीवनशैलीवर, आणि सामाजिक वर्तनावर प्रभाव टाकतो. उदाहरणार्थ, अमेरिकन लेखक आणि विचारवंत स्टिव्हन किंग याच्या साहित्यामध्ये व्यक्तिमत्त्वाच्या स्वातंत्र्याची आणि व्यक्तिवादाची गहनता दिसते.

आधुनिक जागतिक समाजात, सांस्कृतिक प्रभावांच्या मिश्रणामुळे व्यक्तिमत्त्वाचे स्वरुप अधिक जटिल झाले आहे. विविध संस्कृतींच्या प्रभावामुळे लोक एकमेकांच्या संस्कृतींची समज आणि स्वीकार करतात. ग्लोबलायझेशनमुळे संस्कृतींच्या आपसी संवादाने व्यक्तिमत्त्वाचे एक नवा, विविधतायुक्त, आणि समजदार रुप तयार केले आहे. एकाच समाजात विविध सांस्कृतिक प्रभावांचे समावेश

करून, व्यक्तिमत्व अधिक बहुपरकारी, अद्वितीय, आणि आधुनिक बनले आहे. उदाहरणार्थ, गायक शकीरा आपल्या विविध सांस्कृतिक प्रभावांद्वारे एक अनोखी सांगीतिक शैली तयार करते, जी तिच्या व्यक्तिमत्वाच्या वैशिष्ट्यांचे दर्शवते.अखेर, संस्कृतीचे प्रभाव व्यक्तिमत्वाच्या विकासात एक महत्वाची भूमिका बजावतात. विविध सांस्कृतिक पार्श्वभूमीतील लोकांच्या व्यक्तिमत्वाचे अध्ययन म्हणजे त्या संस्कृतीतील मूल्ये, परंपरा, आणि सामाजिक आदर्शांचा अभ्यास करणे. हे अध्ययन आपल्याला सांस्कृतिक विविधतेचे अधिक चांगले समजून घेण्याची आणि व्यक्तिमत्वाच्या विविध अंगांचा अनुभव घेण्याची संधी देते. व्यक्तिमत्वाच्या विकासात सांस्कृतिक प्रभावांचा हा अभ्यास एक महत्वपूर्ण दृष्टिकोन प्रदान करतो, जो व्यक्तीच्या व्यक्तिमत्वाच्या समग्र चित्राचे अधिक सुसंगत आणि प्रभावी प्रतिनिधित्व करू शकतो.

– यश घरत
बी. ई. आय. टी

मुझे याद जरूर करना !

कहते हैं, मरने के बाद जो अच्छे लोग होते है
वह आसमान में तारा बनते है ।

मैं मानता तो नही ऐसी बातों में पर अगर सच में ऐसा होता है,
तो मुझे भी वह तारा जरूर बनना है...।
मुझे भी वह आसमान का तारा बनना है...।
चमकते हुए पूरे जहां को देखना है....।

ऊपर बैठे- बैठे सब देखूंगा
तुम्हारे बेसुरे गाने, घरवालों के ताने,
तुम्हारा हंसी मजाक, दुख – दर्द, सब सुनूंगा...।

जब तुम अकेले बैठ के, आसमान में देख के,
अपनी जिंदगी की किताब पढ़ रहे होगे ना,
तो कोई सुने या ना सुने, मैं जरूर सुनूंगा...।

किसी के लिए गालियां हो, या किसी की चाहत,
जो भी हो, बेखौफ बोल देना...।
कसम से, मैं किसी को कुछ नही बताऊंगा...।

और कहते है, टूटते हुए तारे को देखकर
अगर कोई मन्नत मांगो, तो पूरी हो जाती है,
मैं भी जब टूट जाऊंगा, तो मुझे भी देखकर
कोई मन्नत जरूर मांगना... शायद पूरी कर दूं।

दोस्त हूं, इतना तो कर ही सकता हूं...।
और हां,
मैं जब टूट जाऊंगा तो तुम्हारे लिए भी आसमान में जगह बचाके रखूंगा
ताकि जब आओगे, तो मुझे याद जरूर करना....।
जब आओगे, तो मुझे याद जरूर करना....।

– आदित्य आगळे
इन्स्ट्रूमेंटेशन (तृतीय वर्ष)

मेरी प्यारी माँ !!!!

भरोसा करना है तो माँ-बाप पर करो
मतलबी यारो में क्या रखा है…,
दुश्मनी करनी ही है तो सरहद पर करो…
शहरों में क्या रखा है!!!!

से पहले एक बार सोच लिया करो,
भले ही किसी में इंसानियत न हो,
लेकिन इंसान जरूर होता है !!!

हाँ मैं तेरे दूर हूँ लेकिन तू मेरे दूर नहीं,
मै तेरे हर दर्द दूर कर सकू इतना मैं काबिल नही,
पां लेता हूँ तुझे अपने हर ख्यालों मे,
ऐसा मत समझना मैं खो गया हूँ इन सपनो को पाने में,
तु जो मिले मुझे, तुझे गले लगा लूगा,
तु ही मेरा सब कुछ है….,

दो दूनी चार का ख्याल करने से अच्छा,
शून्य को एक में बदलने की कोशिश करो,
दुनिया तो वैसे भी जुटी है,
बड़े को बड़ा और छोटे को छोटा बनाने में,
तुम क्यूं न एक नई राह बुनो ।

– केतन अगरवाल
एस. वाय. इन्फर्मेशन टेक्नॉलॉजि

अधर्म से धर्म की जीत होगी.

अधर्म से धर्म की जीत होगी ,
जब मनुष्य मनुष्य से सीखेगा।।
पापियों का पाप भी झुकेगा,
जब चारो और पुण्य का हाहाकार मचेगा।।
झूठ तो बरसो से छलता आ रहा है,
अब हर विचारों में सत्य ही उतरेगा ।।
अधर्म से धर्म की जीत होगी,
जब मनुष्य मनुष्य से सीखेगा।।

फल से ज्यादा कर्म मैं करुणा होगी ,
केवल श्रद्धा और निस्वार्थ रूप भर्ती होगी ।।
स्वयं लाभ से परे भी मनुष्य विचार करेगा ,
तब मनुष्य धर्म से बड़ा कोई और धर्म नहीं होगा ।।
एक इंसान हर दूसरे इंसान के साथ होगा,
प्यार, संतुष्टी, समर्थन से ये संसार पलेगा ।।

वक्त की घड़ी अगर हमारे हाथों में होती,
तो हर लम्हे हमारे होते।।
अपना बसेरा अगर चांद पे होता,
तो पास हमारे सितारे होते।।
और अगर दिल की हर तमन्ना पूरी होती,
तो उफ्फ! क्या नजारे होते।।

– राजेश्वरी के
एस. वाय. इन्स्ट्रूमेंटेशन

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मोबाईल फोन्सची दुधारी तलवार
आधुनिक गतिशिलतेचे फायदे आणि तोटे

संस्कृती ही व्यक्तीच्या व्यक्तिमत्वावर आणि सामाजिक वर्तनावर खोलवर प्रभाव टाकते. आपल्या सामाजिक वातावरणातील विविध सांस्कृतिक मूल्ये, परंपरा, आणि विश्वास हे एकत्र येऊन व्यक्तिमत्वाच्या निर्माण प्रक्रियेत एक महत्वाचा भाग असतात. विविध सांस्कृतिक पार्श्वभूमीतील व्यक्तिमत्वाचे अध्ययन म्हणजे विविध सांस्कृतिक घटक व्यक्तिमत्वाच्या विकासावर कसा प्रभाव टाकतात हे समजून घेणे.प्रत्येक संस्कृतीचे एक विशेष तत्वज्ञान असते, ज्यामुळे त्या संस्कृतीतील लोकांचे विचार, भावना, आणि वर्तन विशिष्ट पद्धतीने आकारले जातात. संस्कृतीचे मूल्ये आणि परंपरा लोकांच्या दैनंदिन जीवनात, त्यांच्या विचारधारेत, आणि त्यांच्या सामाजिक वर्तनात प्रतिबिंबित होतात. यामुळे व्यक्तिमत्वाची रचना या सांस्कृतिक प्रभावांवर आधारित असते.

उदाहरणार्थ, जपानी संस्कृतीच्या संदर्भात विचार करता, जपानी लोकांची शांतता, संयम, आणि हृदयाचे शीतलपण हे त्यांच्या सांस्कृतिक मूल्यांचे मुख्य अंग आहेत. जपानी समाजात, 'हिरागाना' आणि 'कांजी' या लेखन प्रणालीचा उपयोग करून व्यक्तिमत्वाची विविधता दर्शवली जाते. 'पण' किंवा 'विनी' हे जपानी संस्कृतीतील अत्यंत महत्वाचे तत्व आहे, ज्यामुळे व्यक्तिगत भावना आणि वर्तन अधिक तटस्थ आणि संयमित असतात. जपानी संस्कृतीमध्ये, लोकांचे वर्तन सामाजिक कर्तव्य, शिष्टाचार, आणि आदर यावर आधारित असते, ज्यामुळे त्यांचे व्यक्तिमत्व शांत, समजदार, आणि परिष्कृत होईल. उदाहरणार्थ, जपानच्या प्रसिद्ध लेखक ह'१क्की मुराकामीच्या कलेतून आणि साहित्यिक शैलीतून जपानी सांस्कृतिक मूल्यांची परंपरा स्पष्टपणे दिसून येते.

त्याचप्रमाणे, भारतीय संस्कृतीत विविधता आहे. भारतातील विविध प्रांतांमध्ये परंपरा, भाषा, धर्म, आणि सांस्कृतिक मूल्यांची मोठ्या प्रमाणात विविधता आहे. भारतीय संस्कृतीत, कुटुंबाचा महत्व, धार्मिक परंपरा, आणि सामाजिक कर्तव्य ह्या मूल्यांचे ठळक स्थान आहे. त्यामुळे भारतीय व्यक्तिमत्वे सहनशीलता, कुटुंबप्रेम, आणि विविधतेचा स्वीकार या गुणांनी परिपूर्ण असतात. भारतीय समाजातील विविध धर्म, जाती, आणि भाषेतील व्यक्तींची अभिव्यक्ती त्यांच्याच सांस्कृतिक संदर्भात केलेली असते, जी त्यांच्या व्यक्तिमत्वाच्या विकासात महत्वाची भूमिका बजावते. उदाहरणार्थ, महात्मा गांधींच्या जीवनशैली आणि कार्यात भारतीय सांस्कृतिक मूल्यांची गहनता आणि समर्पण स्पष्टपणे दिसते.

पाश्चात्य संस्कृतीत, स्वातंत्र्य, व्यक्तिस्वातंत्र्य, आणि आत्मविवेक यावर जोर दिला जातो. पश्चिमी संस्कृतीतील लोक स्वतःच्या व्यक्तिगत अभिव्यक्तीवर आणि स्वतंत्रतेवर जोर देतात. त्यामुळे, पाश्चात्य संस्कृतीतील व्यक्ती अधिक आत्मविश्वासाने, खुलेपणाने, आणि व्यक्तिवादी दृष्टिकोनाने व्यक्तिमत्व प्रकट करतात. हा दृष्टिकोन त्यांच्या विचारसरणीवर, जीवनशैलीवर, आणि सामाजिक वर्तनावर प्रभाव टाकतो. उदाहरणार्थ, अमेरिकन लेखक आणि विचारवंत स्टिफन किंग याच्या साहित्यामध्ये व्यक्तिमत्वाच्या स्वातंत्र्याची आणि व्यक्तिवादाची गहनता दिसते.

आधुनिक जागतिक समाजात, सांस्कृतिक प्रभावांच्या मिश्रणामुळे व्यक्तिमत्वाचे स्वरूप अधिक जटिल झाले आहे. विविध संस्कृतींच्या प्रभावामुळे लोक एकमेकांच्या संस्कृतींची समज आणि स्वीकार करतात. ग्लोबलायझेशनमुळे संस्कृतियोंच्या आपसी संवादाने व्यक्तिमत्वाचे एक नवा, विविधतायुक्त, आणि समजदार रूप तयार केले आहे. एकाच समाजात विविध सांस्कृतिक प्रभावांचे समावेश

श्री. कांचन महेश बजाज
कनिष्ठ लिपिक, प्रदेश विभाग

English
Section

Expression

Staff Editorial

Dear Students and Colleagues,

As we dive into this edition of our college magazine, themed "Expressions," it is a moment to celebrate the vast and varied ways we communicate, connect, and create meaning in our lives. The theme of Expressions offers us a rich opportunity to explore not just the art of conveying ideas but also the profound impact that expression has on our academic and personal experiences.

As you navigate this edition of our magazine, I encourage you to engage with the diverse contributions presented.

Thank you for your commitment to the art of expression and for contributing to the rich dialogue that defines our college community. May this edition inspire you to continue exploring and refining your own expressions, and to appreciate the diverse voices that contribute to our shared journey.

I am express my thanks to Dr. P. B. Mane, Principal for giving this opportunity. I also express my thanks to the entire team of media for their support.

Happy Reading

Mrs. K. S. Gadgil
Electrical Engineering Department
Editor

Student Editorial

As we embark on another vibrant semester here , we find ourselves at the cusp of exploring the theme of "Expressions" in our latest edition. This theme is more than just a concept—it's a celebration of the myriad ways in which we communicate, connect, and convey our innermost selves.

Expressions are the heartbeat of human interaction. They transcend spoken language, reaching into the realms of art, literature, music, and even the silent conversations between glances and gestures. Each of us, in our own unique way, embodies this theme through the stories we tell, the emotions we share, and the creativity we unleash.

In this issue, we invite you to dive into the richness of expression from various perspectives. From poignant personal narratives to innovative artistic creations, our contributors have poured their hearts into showcasing how expressions shape our identities and influence our world. Through poetry, essays, visual art, and multimedia projects, we hope to illuminate the diverse forms and depths of expression that define us.

We also recognize that the journey of self-expression is not always straightforward. It can be fraught with challenges and uncertainties. Yet, it is through these very struggles that we often discover our truest forms of expression. Our hope is that this issue will inspire you to embrace your own unique voice, to explore new ways of expressing yourself, and to appreciate the rich tapestry of perspectives that surround us.

As you read through these pages, take a moment to reflect on your own expressions. How do you communicate your thoughts and feelings? What mediums do you use to make your voice heard? How do your expressions shape your interactions with others and the world around you?

We are excited to embark on this journey with you and to celebrate the boundless ways in which we all express ourselves. Let's embrace the power of expressions and let them guide us in creating a more connected and empathetic community.

Here's to the art of expression and the myriad ways it enriches our lives.

Warm regards,

Ritika Bhandari
Yash Sonje, Aarya Tilekar
(S.Y B Tech)

CONTENTS

Embracing the Power of Words
The Art of Verbal Expressions

In a world dominated by screens and digital communication, the beauty of verbal expressions remains a vital component of human interaction. Whether we're engaging in casual conversation or delivering a powerful speech, the way we articulate our thoughts can shape relationships, inspire action, and even transform lives.

The Impact of Tone and Inflection

Verbal expressions go beyond the mere choice of words. The tone of our voice and the inflection we use can convey emotions that words alone may not capture. For instance, a simple "thank you" can feel insincere or heartfelt, depending on how it's delivered. Mastering the subtleties of tone can enhance our communication, making our messages resonate more deeply with others.

The Role of Body Language

While verbal communication primarily focuses on spoken words, it is intrinsically linked to non-verbal cues such as body language. Gestures, facial expressions, and posture all contribute to the overall message we convey. A confident stance combined with enthusiastic speech can amplify our verbal expressions, making our points more persuasive and memorable.

The Art of Storytelling

One of the most powerful verbal expressions is storytelling. Stories have the unique ability to connect us on an emotional level, fostering empathy and understanding. Whether in a business presentation or a casual gathering, sharing a personal story can make complex ideas more relatable and engaging. The best storytellers know how to capture their audience's attention, leading them on a journey that leaves a lasting impact.

Overcoming Barriers

Effective verbal expression can also help overcome barriers. In diverse settings, where cultural differences may influence communication styles, being mindful of how we express ourselves can foster inclusivity. Using clear, simple language and avoiding jargon can bridge gaps, ensuring that our messages are understood by all.

The Importance of Listening

Verbal expression is not just about speaking; it is equally about listening. Active listening involves engaging with the speaker, asking questions, and providing feedback. This reciprocal exchange creates a richer dialogue, allowing for deeper connections and a better understanding of differing perspectives.

Cultivating Verbal Skills

Improving our verbal expressions takes practice and dedication. Here are a few tips to enhance your skills:

1. **Read Widely:** *Exposure to different styles of writing can improve your vocabulary and expression.*

2. **Practice Speaking:** *Engage in conversations, join public speaking groups, or take workshops to refine your skills.*

3. **Seek Feedback:** *Constructive criticism from peers can provide insights into areas for improvement.*

4. **Record Yourself:** *Listening to recordings of your speech can help identify strengths and weaknesses.*

Conclusion

In an era where communication is constantly evolving, the art of verbal expression remains timeless. By mastering the nuances of speech, we can enhance our connections with others, inspire change, and share our stories in meaningful ways. So, let us embrace the power of words and continue to cultivate the art of expression in our everyday lives.

-**Mrs. V. A Yawale**
Assistant Professor
Electrical Engineering Department

The POWER of WORDS
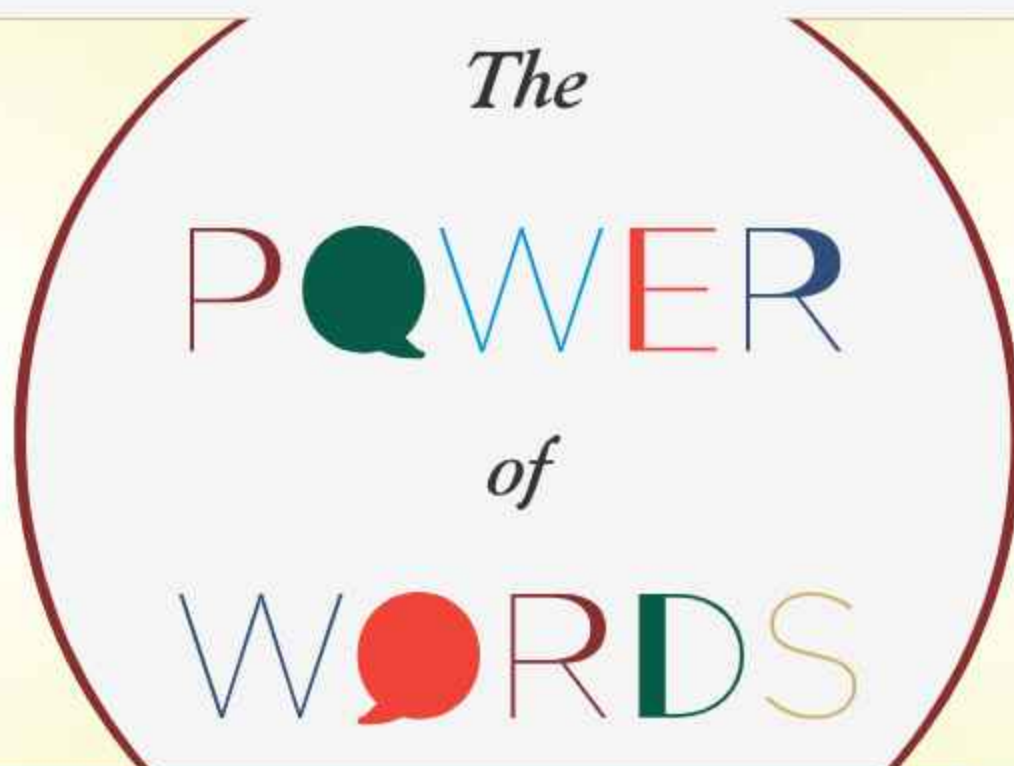
The Psychology of Procrastination

As students we often procrastinate our work, leading to incomplete work. So, let's understand the psychology behind it and ways to overcome it.

What is meant by Procrastination?

Procrastination is the act of delaying or postponing tasks or decisions. It often involves choosing to do more enjoyable or easier activities instead of more important or challenging ones. This behaviour can lead to stress, missed deadlines, and reduced productivity. Psychological factors like fear of failure, perfectionism, and lack of motivation often contribute to procrastination. Let us focus them one by one...

1. Fear of Failure: The anxiety about not performing well can lead to avoiding the task altogether. The task at hand might seem too difficult and we may fear to fail. The anticipation of negative judgment or self-criticism can be paralyzing.

2. Perfectionism: Perfectionists often delay tasks because they fear they won't meet their own high standards which might be unrealistic. The desire to achieve perfect results can make starting or ending a task feel overwhelming.

3. Lack of Motivation: When a task seems uninteresting or lacks personal significance or seems meaningless, motivation can be low. Without a strong incentive, it's easier to put off the task.

4. Time Management Issues: Poor time management skills can lead to underestimating how long tasks will take, resulting in last-minute rushes or missed deadlines.

5. Decision Paralysis / Decision Fatigues: When faced with too many choices or decisions, individuals may become overwhelmed and unable to take action, constantly making decisions can be mentally exhausting, leading individuals to procrastinate as a way to avoid making yet another decision

6. Impulsivity: Those who are more impulsive may struggle with delaying gratification, opting for immediate rewards rather than working on long-term goals.

7. Task Aversion: If a task is perceived as boring, unpleasant, or stressful, individuals are more likely to procrastinate to avoid negative feelings associated with the task.

8. Lack of Confidence: Doubting one's abilities to complete a task and having low efficacy effectively can lead to procrastination as a way to avoid potential failure.

9. Environmental Factors: Distractions in one's environment, such as social media or noisy

surroundings, can contribute to procrastination by diverting attention from the task at hand.

10. Cognitive Load: High mental demands from other tasks or stress can reduce cognitive resources, making it harder to focus and increasing the tendency to procrastinate.

Understanding these factors can help in developing strategies to overcome procrastination.

How to avoid procrastination?

1. Psychological Strategies to Avoid Procrastination:

o   Break Tasks into Smaller Steps: Large tasks can feel overwhelming. Breaking them down into smaller, manageable steps can make them seem more achievable and less daunting.

o   Set Specific Goals: Clearly defined goals provide direction and a sense of purpose, making it easier to stay focused and motivated.

o   Create a Timeline: Setting deadlines and creating a schedule can help prioritize tasks and allocate time effectively, reducing the temptation to delay.

o   Use Positive Reinforcement: Rewarding yourself for completing tasks can enhance motivation and create a positive association with productivity.

o   Address Underlying Emotions: Understanding and addressing the emotional reasons behind procrastination (e.g., fear, anxiety) can help in developing healthier coping mechanisms.

o   Improve Self-Regulation: Techniques such as mindfulness, meditation, and cognitive-behavioural strategies can enhance self-control and reduce impulsive behaviours that lead to procrastination.

2. Behavioural Techniques:

o   Pomodoro Technique: Working in short, focused intervals (e.g., 25 minutes) followed by a short break can improve concentration and productivity.

o   Accountability Partners: Sharing goals with a friend or colleague can provide external motivation and accountability.

o   Environment Optimization: Creating a workspace free from distractions can help maintain focus and reduce the temptation to procrastinate.

3. Cognitive Techniques:

o   Challenge Negative Thoughts: Identifying and challenging irrational beliefs (e.g., "I work better under pressure") can help in developing a more balanced perspective on task completion.

o   Visualize Success: Visualizing the positive outcomes of completing a task can enhance motivation and reduce resistance.

o   By understanding these psychological aspects and implementing effective strategies, we can reduce procrastination and enhance our productivity and well-being.

Ayushi B. Tayade
T. Y.
E&TC

"BUILDING BRIDGES: DEVIN AI CONNECTS HEARTS AND BYTES"

In a world of code and screen's bright glow,

Where data flows and connections grow,

Bits and bytes dance in digital delight,

As algorithms work through the night.

From smartphones small to AI's might,

Technology shapes our daily sight.

Yet amidst the rush and endless scroll,

Let's not forget our human soul.

In bytes and pixels, let's find a way,

To keep our hearts alive each day.

For in this world of tech's embrace,

Humanity still finds its grace.

How meaningful are these lines right? Yes, of course. We live in this world where technology rules and keeps on developing as time proceeds. Emerging technology is the double-edged sword of our age, promising both boundless possibilities and daunting uncertainties. With each innovation, we inch closer to unlocking the secrets of the universe, empowering humanity to tackle age-old challenges with newfound vigor.

And, in this ever-evolving landscape of artificial intelligence, there emerges a new contender poised to revolutionize the way we interact with technology: Devin AI. Born from the intersection of human ingenuity and cutting-edge AI research, Devin AI represents a significant leap forward in the quest for more intuitive, empathetic, and versatile AI systems. In this article, we delve into the origins of Devin AI, its development, and its potential impact on today's technological world. The inception of Devin AI can be traced back to a confluence of factors, chief among them being the growing demand for AI systems that can understand and respond to human emotions and intentions with nuance and sensitivity. Traditional AI models often excel at tasks involving pattern recognition and data analysis

but fall short when it comes to grasping the complexities of human communication and emotion. The idea for Devin AI began to take shape when a group of researchers, led by Dr. Emily Zhang, recognized the need for a more empathetic and emotionally intelligent AI. Drawing inspiration from psychology, linguistics, and cognitive science, they embarked on a journey to create an AI system capable of understanding not just what humans say but also how they feel. The development of Devin AI was a multidisciplinary effort that brought together experts from various fields, including machine learning, natural language processing, and affective computing. At its core, Devin AI relies on advanced algorithms trained on vast datasets of human language and behaviour to infer emotions, intentions, and context from text and speech inputs.

One of the key challenges in developing Devin AI was ensuring that it could interpret and respond to emotional cues in a way that felt genuine and human-like. This required not only sophisticated machine learning models but also a deep understanding of human psychology and communication dynamics. To achieve this, the researchers employed techniques such as sentiment analysis, emotion recognition, and context-aware language processing. They also leveraged state-of-the-art neural network architectures, such as transformers, to enable Devin AI to understand and generate text with remarkable fluency and coherence. After years of research and development, Devin AI emerged as a groundbreaking AI system capable of engaging in meaningful and empathetic conversations with humans across a wide range of topics and contexts.

In today's technological landscape, Devin AI represents a significant departure from traditional AI systems, which often operate as passive tools or assistants, lacking the ability to truly understand and empathize with human users. Unlike its predecessors, Devin AI possesses the capacity to engage users in natural, nuanced conversations, adapting its responses based on the emotional tone and context of the interaction. One area where Devin AI stands out is in its potential applications in mental health care. By leveraging its ability to detect emotional distress and provide empathetic support, Devin AI could serve as a valuable tool for individuals struggling with anxiety, depression, or other mental health issues. Imagine a world where individuals have access to a supportive AI companion capable of offering guidance, encouragement, and companionship whenever needed.

Moreover, Devin AI has the potential to transform the way we interact with technology in various domains, including customer service, education, and entertainment. In customer service, for example, Devin AI could enhance the quality of interactions by providing personalized assistance and resolving issues with empathy and understanding. In education, it could serve as a virtual tutor, adapting its teaching style to the unique needs

In conclusion, Devin AI represents a significant milestone in the evolution of artificial intelligence, offering a glimpse into a future where machines are not just intelligent but also empathetic and

emotionally aware. By bridging the gap between human and machine communication, Devin AI has the potential to usher in a new era of human-computer interaction, where technology becomes more than just a tool but a trusted companion and confidant in our daily lives. As we continue to push the boundaries of AI research and innovation, the possibilities for Devin AI and its ilk are limited only by our imagination.

Yet, as we delve deeper into the realms of artificial intelligence, biotechnology, and quantum computing, we must tread carefully, mindful of the ethical, social, and environmental implications of our creations. The power to reshape reality comes with the responsibility to wield it wisely, lest we lose sight of our humanity in the pursuit of progress. As we stand on the precipice of a technological revolution, let us strive not only to push the boundaries of what is possible but also to nurture the values that define us as human beings.

-Shivangi Makarand Safai
(S.Y. B.TECH, Div-B)

SUICIDE
BRAVERY OR COWARDICE?

Albert Camus, a French philosopher once said, "But in the end one needs more courage to live than to kill himself." Personally, I concur whole-heartedly that suicide is cowardly and weak. However, the

decision to commit suicide is so personal that it cannot be judged.

It is known that suicidal people are overcome by emotion and tend to develop a tunnel-like vision, where they believe suicide is the 'only way out. Studies reveal that at the very core of suicidal tendency is depression and unhappiness which makes the person feel helpless and hopeless. Such people assume that death will free them from this despair. Research has also revealed that most suicidal people are ambivalent about ending their lives. They don't want to die; they just want to stop the pain. In reality they want to be saved.

Most rational people might agree that suicide is a cowardly way of quitting. It is a permanent solution to a temporary problem. When an individual decides to take his life for whatever reason, what he fails to realize is that when he dies, it leaves a strong and long lasting negative effect on his loved ones. He takes away the happiness of many people along with himself and bars any new possibilities.

Every individual at some point or the other in life has to face problems. No one is ever fully content.

After all, what is life? It is a series of ups and downs. No one is special, everyone goes through it. The

only thing that matters is how you deal with it. The strong face the problems, and come out even stronger.

Now, a few people say that suicide is an act of bravery as killing yourself takes a lot of courage and guts. Alas! What they don't realize is that living with the pain takes a lot more courage and guts. Putting a gun to your head, pulling the trigger and ending your life is not the definition of bravery. It is the definition of escapism. As Nelson Mandela said, "Bravery is not the absence of fear, but the will to overcome it." Even though I have very staunch views about suicide in the end it all comes down to every individual's lawful right to decide whether he wants to live or end his life.

I'd like to conclude by stating Charles Darwin's theory of evolution; it is the survival of the fittest. The weak die and the strong, who are most willing to change, will survive, and live on.

- Riddhi Maity
TE E & TC

Sunday Scaries

Emotions are an integral part of every individual. There are various ways to express our emotions. Some find poetry as a medium to express themselves while others might find an art form to best express their emotions. Nowadays emotions are expressed mostly in emoticons as well . Everyone is aware of the basic emotions like fear, grief, sadness, happiness, embarrassment, excitement etc. but recently there has been an addition to this list called as 'Sunday Scaries'.

As the name suggests it has something to do with 'Sunday' of course but what exactly is it?

After a long tiring week, we look forward to enjoying the weekend. In today's fast paced life, having a weekend to ourselves is the best feeling. The weekend is for spending some good quality time with friends and family, indulging in 'Me' time or doing things that we couldn't do due to work-loaded week. One is very excited on Friday evening , since it's going to be a two day 'off' from work, but as Sunday evening approaches he starts getting anxiety just because the next day it's going to be a working Monday.

This anxiety and stress blocks us from enjoying the remaining weekend i.e the Sunday evening. This form of emotion that sets in on a Sunday evening is called 'Sunday Scaries'.One who is dealing with it doesn't necessarily mean that they do not enjoy their work .In contrast it means that they have already lined up their work in their mind and are working towards executing it in the coming week.

Every day is a new day and each moment is to cherish. An approach to learn something new each day will help in dealing Sunday Scaries.

-**Dr. Shagufta Sheikh**
Assistant Professor,
7 AI & DS.

SUNDAY SCARIES

The Art of Living
Enrichment through Expressions

In the pursuit of a fulfilling life , harmonious balance between work and personal expression is important. This equilibrium not only nourishes our souls but also enriches our experiences, leaving indelible impressions on our journey. In this essay, we will explore how expressions contribute to life impressions and how to elevate them sustainably, drawing upon real-life examples to elucidate each point.

Expressions serve as conduits for self-discovery, enabling individuals to delve into the depths of their being. Consider the case of Maya, an aspiring artist who found solace and purpose in painting. Through her vibrant strokes and intricate designs, Maya explored her emotions and innermost thoughts, unveiling layers of her identity previously undiscovered. With each brushstroke, she crafted a masterpiece that not only reflected her essence but also left a lasting impression on those who beheld her artwork.

Furthermore, expressions foster connections with others, forging bonds built on mutual understanding and shared experiences. Take the example of Soham, a passionate musician who formed a band with like-minded individuals. Through their collaborative efforts and musical performances, they transcended linguistic and cultural barriers, uniting people from diverse backgrounds under the universal language of music. Their collective expression not only brought joy to audiences but also strengthened the bonds of friendship among band members, leaving an enduring impression on all who were touched by their harmonious melodies.

Moreover, expressions catalyze personal growth, propelling individuals towards continuous self-improvement and evolution. Consider the journey of Sarah, a budding writer who embarked on a quest to pen her first novel. In the process of crafting her narrative, Sarah confronted her fears, embraced vulnerability, and honed her storytelling skills. Despite facing numerous challenges along the way, her unwavering commitment to self-expression propelled her towards success, leaving an indelible mark on her literary journey and personal growth.

In addition, expressions contribute to emotional well-being, serving as therapeutic outlets for the release of pent-up feelings and stress. Take the example of James, a dedicated professional who found solace in photography. Through his lens, James captured fleeting moments of beauty and serenity, channeling his emotions into visually captivating images. Each photograph served as a testament to his resilience and inner strength, providing him with a sense of catharsis and balance amidst life's challenges.

To achieve elevated and sustainable impressions through expressions, individuals must prioritize authenticity, balance, continuous learning, community engagement, and reflection. By embracing these principles and incorporating them into their daily lives, individuals can cultivate a sense of fulfillment, connection, and purpose, leading to an enriched and sustainable life impression.

In conclusion, expressions are not mere manifestations of creativity but powerful catalysts for personal and collective transformation. Whether through art, music, writing, or photography, each expression leaves an indelible mark on our journey, shaping our experiences and enriching our lives in profound ways. By embracing the power of balanced expressions, we can unlock the full potential of our humanity and leave a lasting legacy that transcends time and space.

Varsha Kiran Patil
Assistant Professor,
Dept. of E&Tc Engineering,
AISSMS IOIT, Pune

S U C C E S S

Success? Well it is like riding a wave on a sunny beach day, bringing pure joy. But it's not just about money or fame; it's about finding your unique wave and giving it your all.

Think of success as a personal journey, unique to each indiv¬idual. Success can be as simple as mastering a challenging guitar riff or accomp¬lishing the goal of running a 5k without needing to take a break. What matters most is pursuing and achieving what ignites passion within you, regar-dless of how others perceive its signif¬icance.

Let me tell you a little story. Take Sam, a coffee enthusiast, who opened a small coffee shop. It wasn't fancy, and he didn't make millions, but he lived his dream. People came for the coffee, but stayed for the warmth Sam created.

See, Sam's success wasn't about being the next Starbucks. It was about serving up passion in every cup. He didn't compare himself to anyone else; he just followed his heart. And you know what? That little coffee shop became a local gem, and Sam's smile was brighter than the morning sun.

So, here's the deal: Success is about embracing your passion, giving it all you got, ignoring expectations and enjoying the journey. So So, don't wait for some grand, distant victory. Find your wave, paddle out, and ride it like there's no tomorrow. You've got this!

Gautam Patil
BE Computer (A Div)

The Quest for Meaning
Embracing Joyful Purpose

Do you feel happy every morning when you get up?

It took me a little while to reach at a space where I get up Happy almost every day with a smile because I feel my purpose every day!

Why is this important today to discuss?

We rank 40th out of 132 economies in the Global Innovation Index 2023 rankings published by the World Intellectual Property Organisation (WIPO)

But...

We ranked 126 out of 146 countries in Happiness Index

Why? Are we not happy?

The depression is rising & It's real!

It's time to take action towards making our life happier by doing simple techniques!

Creating Fewer Positive Experiences:

We are so busy in our lives, that we cannot create experiences of happiness.

But why is that important, think about when we were kids we used to have moments of joy, we used to be with people, we used to play/do any activity, and after the activity, we used to say to ourselves "Maza aa gaya".

We used to make the smaller moments of joy bigger in our lives by talking, sharing & doing!

We stopped doing it as we started growing as adults, we started neglecting small moments, and we started creating stress unknowingly bigger!

Technique: Every day take a small moment to do anything which you feel good.

After the activity, sit down & breathe

Feel the feeling of happiness strongly.

Say, "Mazaa Aa Gaya"!!

3 Principles for Being Happy

Experiences - Do, Gym, Walk, Cooking, Painting, Dance, singing - Creating it with self - Creating it with other in the group

People - Our childhood memories are examples of how happiness is easier with people

Reinforcement - Bada Maza Aaya

PAUSE *Technique*

Whenever you feel happy, you stay there for a second, pause & breathe more to feel it more, touch it, and say thanks for your wonderful happiness, I can share more happiness in the world!

Another Technique is Ikigai – Japanese Theory Of Happiness

In an age where many are on the quest for the meaning of life, the Japanese concept of ikigai emerges as a beacon. Rooted in Japanese culture, it presents a beautiful framework not just for finding purpose but for cultivating a fulfilling life. Let's delve into its meaning and significance:

Definition:

Ikigai (pronounced ee-key-guy) roughly translates to "the reason for always being happy-busy." It represents the intersection of several elements that contribute to a fulfilling life.

Components of Ikigai:

What You Love: *This refers to your passions, interests, and things that ignite your soul.*

What You're Good At: *These are your skills, talents, and areas where you excel.*

What the World Needs: *Consider the impact you can make on others and society.*

What You Can Be Paid For: *This involves finding a sustainable way to support yourself emotionally, mentally, or financially.*

3.   Visualizing Ikigai:

Imagine a Venn diagram where these four aspects intersect. The sweet spot at the center is your ikigai. It's where personal fulfillment, societal contribution, and practicality converge.

Ikigai is the intersection of what you love, what the world needs, what you can be paid for, and what you're good at. *It's where personal passions and societal contribution meet, resulting in a life rich with purpose and joy.*

Understanding and Using Expressions in English

Expressions are an essential part of any language, adding color and depth to communication. In English, expressions often convey meanings that go beyond the literal interpretation of the words used. They can include idioms, proverbs, and slang. Understanding these expressions can enhance your language skills and make your conversations more engaging.

What Are Expressions? Expressions are phrases or sentences that have a figurative meaning different from their literal meaning. They are used to convey emotions, describe situations, or add emphasis in a way that plain language might not. Here are a few common types of expressions:

Idioms: These are phrases with a meaning that cannot be deduced from the individual words. For example, "kick the bucket" means to die, and "break the ice" means to initiate conversation in a social setting.

Proverbs: These are short, commonly known sayings that offer wisdom or advice. For example, "A stitch in time saves nine" means that taking care of problems promptly can prevent them from becoming bigger issues.

Slang: Informal language often used by specific groups. For example, "cool" means something is good or trendy, and "chill out" means to relax.

Why Are Expressions Important?

Cultural Insight: Expressions offer a glimpse into the culture and values of a language's speakers. They often reflect historical events, social norms, and shared experiences.

Enhanced Communication: Using expressions can make your speech more interesting and relatable. They help convey emotions and ideas more vividly.

Language Proficiency: Mastering expressions is a sign of advanced language proficiency. It shows that you understand the nuances of the language.

How to Learn Expressions

Contextual Learning: Pay attention to how expressions are used in different contexts. Movies, books, and conversations with native speakers are great resources.

Practice: Try using new expressions in your conversations. This will help you remember them and understand how they fit into different scenarios.

Ask for Clarification: If you encounter an unfamiliar expression, don't hesitate to ask a native speaker for its meaning and usage.

Common English Expressions

Piece of cake : *Something very easy to do.*

Let the cat out of the bag : *Reveal a secret unintentionally.*

Hit the nail on the head : *To describe exactly what is causing a situation or problem.*

Bite the bullet : *To endure a painful experience that you cannot avoid.*

Conclusion

Expressions are a vibrant and integral part of the English language. They enrich communication, making it more expressive and engaging. By learning and using expressions, you can gain a deeper understanding of the language and the culture it represents. So, next time you hear an unfamiliar phrase, take a moment to learn it—you might find it's just the perfect way to express what you're feeling!

-Siddhant More
FY-B Tech,
Instrumentation Engg.

Remembering 26/11

Mumbai, the financial capital of India and its busiest metropolitan city, has been a prime target for terrorist attacks. On November 26, 2008, a series of attack was coordinated in Mumbai by terrorist resulting in the deaths of 166 people and injuring more than 300 others. The attacks were carried out from 26 to 29 November by 10 gunmen affiliated with the Pakistan-based terrorist group Lashkar-e-Taiba, It was a tragic event that had a profound impact not only on the people directly affected but also on the nation as a whole.

The attack was a meticulously planned and executed act of terrorism where explosive devices and gunfire were used to cause the maximum number of casualties and lasted for 60 h. This attack was therefore different from previous attacks. Armed with automatic weapons and hand grenades, the terrorists targeted civilians at numerous sites in the southern part of Mumbai, including the Chhatrapati Shivaji railway station, the popular Leopold Café, two hospitals, and a theatre. While most of the attacks ended within a few hours after they began at around 9:30 PM on November 26, the terror continued to unfold at three locations where hostages were taken—the Nariman House, where a Jewish outreach centre was located, and the luxury hotels Oberoi Trident and Taj Mahal Palace & Tower.

By the time the standoff ended at the Nariman House on the evening of November 28, six hostages as well as two gunmen had been killed. At the two hotels, dozens of guests and staff were either trapped by gunfire or held hostage. Indian security forces ended the siege at the Oberoi Trident around midday on November 28 and at the Taj Mahal Palace on the morning of the following day. In all, at least 174 people, including 20 security force personnel and 26 foreign nationals, were killed. More than 300 people were injured. Nine of the 10 terrorists were killed, and one was arrested.

I'm filled with deep sorrow for the lives lost, respect for the bravery of the security personnel and bystanders, and a resolve to stop such attacks in the future. In addition, it inspires sentiments of solidarity and togetherness since people banded together to help one another through hardship. The terrorist attacks in Mumbai exposed loopholes in the security system that India had in place to deal with this "new brand" of terrorism. The 26/11 attacks brought about some significant changes to India's security apparatus, ranging from strengthening the legal framework to deal with terrorism and tightening maritime security to closing gaps in the intelligence system and creating special agencies to look into terror cases. Parliament also approved amendments to the Unlawful Activities (Prevention) Act that incorporated stringent mechanisms to contain and investigate terrorism. In response to the attacks in November, the Indian government established significant new institutions and implemented new laws to combat terrorism. The National Investigation Agency was established by the Indian parliament on December 17, 2008, as a federal counterterrorism organization. Nonetheless, there was a similarly strong national and international outcry against such violence following the Mumbai attacks, along with new calls to step up efforts to combat the threat of terrorism. The Mumbai attacks did, however, evoke a similarly strong national and international outcry against such violence and renewed calls to increase efforts to deal with the menace of terrorism.

Ms. Deepali Yewale
Assistant Professor
E&TC Department, AISSMS IOIT

Fortifying the Digital Kingdom
A Cybersecurity Adventure with Kali Linux

What is Cybersecurity?

Our Cybersecurity journey begins in 1940's precisely in 1945 when the first general purposr computers were launched .Cybersecurity protects data, devices, and network from attackers, criminal, and anyone harming a system. Any software that contains sensitive information, such as a medical record or financial information, must be equipped to handle cyber attacks to avoid theft or corruption. Having inadequate security measure in place could expose your devices and data to harmful threats like malicious software.

History of Cybersecurity:

Cybersecurity began in the 1970s-80s to protect early computer networks. With the rise of the internet in the 1990s, threats grew, leading to the formation of organizations like CERT. By the 2000s, cyber attacks became more sophisticated, prompting the development of standardslike PCI DSS and SOX. Today, cybersecurity is vital as threats evolve, with organizations investing in advanced tools and expertise to stay protected.

Why is cybersecurity important?

Imagine your company as a castle, filled with treasure (your data) that everyone wants to steal. But don't worry, you have strong defenses in place! Think of firewalls as the castle walls, protection your treasure from attackers trying to break in through the internet. However, some attackers are sneaky they might trick your employees into letting them in by sending fake emails or pretending to be someone they're not. That's where training comes in. By teaching your employees how to spot these tricks, you make it much harder for the bad guys to get in. But what if an attacker does manage to sneak past your defences? That's where the guards come in. They're constantly watching for any signs of trouble and ready to spring into action if something seems off. And let's not forget about the people who built your castle the developers. They make sure everything is strong and secure from the start, so there are fewer weak spots for attackers to exploit.

But even with all these defenses, no castle is completely safe on its own. That's why it's important to work together with other castles (company) and even the kingdom's guards (government agencies). By sharing information and helping each other out, everyone can stay safer in this big, digital kingdom. So, think of cybersecurity as a big adventure where everyone works together to protect their treasure from the bad guys. With strong defenses, smart training, and teamwork, your castle (company) can stay safe and keep its treasure secure.

Types of Cybersecurity:

- Application security: focuses on creating security features within apps to prevent cyber-attacks and address vulnerabilities. It's essential for software reliability and functionality.

- Cloud security: deals with managing risks in cloud-based networks wirelessly, ensuring memory and network security, and patching vulnerabilities.

- Critical infrastructure security: protects assets, systems, and networks owned by communities, cities, or countries, focusing on municipal and government-owned infrastructure defense.

- Information security (InfoSec): safeguards sensitive data from fraudulent access or interception, focusing on confidentiality, integrity, and availability.

- Network security: defends a company's infrastructure integrity, preventing malicious infiltration via the internet.

Cybersecurity with Kali Linux:

Kali Linux is one of the most common cybersecurity tools. It is an operating system containing at least 300 different tools for security auditing. There are various different Cybersecurity tools available for specific uses like wireshark, Nmap, Metasploit, Snort, Hashcat, OSSEC, Open VAS etc.... But the main benefit of kali linux is that it can be used by users with different levels of cybersecurity knowledge. You don't need to be a expert for using kali linux even the beginner can learn cybersecurity on it.

Imagine your company's cybersecurity journey as a grand

quest, and every hero needs the right tools. That's where Kali Linux comes in a powerful toolkit filled with specialized weapon designed to battle cyber threats.

But before diving into the fray, aspiring cyber warriors must first master their skills. Just as a knight-trains with a sword, budding cybersecurity enthusiasts can start by learning the basics. Online courses and tutorial provide a gateway into the world of cybersecurity, teaching essential concept like network security, cryptography, and ethical hacking. Once equipped with knowledge, it's time to wield the tools of the trade. Kali Linux, with its arsenal of hacking tools and utilities, becomes the trusty companion on this digital adventure.

From penetration testing to digital forensics, Kali Linux offers a sandbox for exploration and experimentation, allowing user to learn by doing in a safe, controlled environment. But mastering Kali Linux is no small feat it requires dedication, practice and a thirst for knowledge. Aspiring cyber warriors must immerse themselves in the intricacies of the operating system, mastering its commands, tools and techniques through hands-on experience. And just as knights gather in fellowship, so too do cyber warriors unite in communities and forums. Here, knowledge is shared, questions are answered, and camaraderie flourishes among like-minded individuals. Through collaboration and mentorship, newcomers find support and guidance on their cybersecurity journey, transforming from apprentices into seasoned defenders of the digital realm.

So, whether you're a novice setting out on your first quest or a seasoned veteran honing your skills, Kali Linux stands as a beacon of empowerment in the world of cybersecurity. With the right tools, knowledge, and community support, every aspiring hero can embark on their own epic journey to safeguard the digital kingdom.

Today, cybersecurity remains a top priority as cyber threats continue to evolve in complexity and scale. With the proliferation of connected devices, cloud computing, and the Internet of Things (IoT), the attack surface has expanded, presenting new challenges for cybersecurity professionals. Organizations invest heavily in advanced security tools, threat intelligence, and skilled personnel to mitigate risks and protect their digital assets from cyber attacks.

-Udayan .S. Taware

Triumph of Titans
India's Historic Win at the ICC T20 World Cup 2024

"And India's World Cup Drought is over....India Wins the T20 World Cup after 17 years, World Cup after 13 years & ICC Trophy after 11 years" these were the words by India's Lucky Charm, Former Head Coach, 1983 World Cup Winner & all time Great Commentator Ravi Shastri. The Indian National Cricket Team's resounding Victory at the ICC T20 World Cup 2024 has etched a new chapter in Cricketing history, sparking celebrations across the nation. Held in the West Indies and the USA, this year's tournament will be remembered for India's stellar performances, strategic brilliance, and unwavering team spirit.

India this performance will be remembered for ages in the World Cricket as this Team was Unbeaten & Undefeated throughout the tournament. India's journey to the Championship was marked by a series of breathtaking matches, showcasing the team's resilience and skill in Batting, Bowling & fielding. Under the astute leadership of Rohit Sharma, the team demonstrated exceptional talent and coordination, leaving cricket enthusiasts in awe. The batting line-up, led by the indomitable Virat Kohli, Selfless Rohit Sharma and the explosive Suryakumar Yadav, with fearless Rishabh Pant, Six-hitting Monster Shivam Dube delivered consistently above par scores, while the bowling unit, spearheaded by Player of the Tournament Jasprit Bumrah, in coordination with Highest wicket-taker Arshdeep Singh, Mohammed Siraj & Spin Master Kuldeep Yadav decimated opponents with precision. Our three Versatile All Rounders Vice-Captain Hardik Pandya, Axar Patel & Ravindra Jadeja played huge role in team's Success in all the departments. Also Yuzvendra Chahal , Sanju Samson & Yashasvi Jaiswal were the part of the Squad & played huge role in maintaining positive environment in the Team.

The final match against South Africa was a nail-biter, epitomizing the thrill of T20 cricket. After loosing the toss

India came to bat first with pillars of Indian Cricket Virat & Rohit. After a unwanted start the player of big occasions 'Virat Kohli' came to the forth with 76 runs & led team to the respectable total of 176 runs with 2 quick fire innings from Dube & Axar Patel. Chasing a formidable target, South Africa was in Trouble with India's exceptional bowling effort led them down on 106/4 in 12.3 overs. Then there was an explosive batting performance by H. Klaasen with 24 runs from Axar's 15th over. Then our very own Hardik Pandya takes the wicket of him & gives us hopes. Then mind-blowing pacers Bumrah & Arshdeep with Hardik bowled economic overs leaving 16 runs for Hardik to defend in the final over facing dangerous 'David Miller'. First ball was bowled a widish lower full toss to the dangerous batter which his connects and Suryakumar Yadav takes a swashbuckling catch which will be remembered for ages & turned match into India's favour. Finally the ICC trophy drought was over & every Indian was celebrating Victory over South Africa by 7 runs. This mind-blowing effort from the clutch player Hardik Pandya steered India to a memorable victory, securing their second T20 World Cup title.

This triumph is not just a testament to the players' hard work and dedication but also to the unyielding support of the fans and the meticulous planning of the coaching staff. It highlights the depth of talent in Indian cricket and promises a bright future for the sport in the country. At the end of this final 3 Superstars of Indian Cricket Rohit Sharma, Virat Kohli & Ravindra Jadeja announced Retirement from T20 Internationals. Also Head Coach Rahul Dravid also ended his tenure with Indian Cricket Team. Victory Parade was organised from Marine Drive to Wankhede Stadium & Celebrations were done at Wankhede stadium after the arrival of Indian Team in India.

As we celebrate this historic win, let's acknowledge the unity and passion that cricket brings to our diverse Nation. The Indian team's victory at the ICC T20 World Cup 2024 will inspire future generations, reminding us that with determination and teamwork, any challenge can be conquered.

-Harshal Rajendra Kuldharan
[T.E-A AI&DS]

Role of Smart Energy Meters in Infrastructure

The requirement for sustainable and efficient energy solutions has not been greater than in today's fast-moving world. Smart meters prove to be crucial tools for these purposes, taking utility infrastructure up a notch higher in their evolution cycle: data-driven. The list of these devices' benefits is immense, ranging from improving energy efficiency to grid management and being environment-friendly. If the modern challenges associated with energy are to be effectively handled, the need for smart energy meters has to be kept at the forefront.

Smart meters offer the ability to monitor and manage real-time electricity consumption, unlike traditional meters that provide periodic readings. This continual tracking empowers consumers and utilities to view patterns of consumption in detail, thus facilitating informed decisions in reducing energy wastage and lower utility bills as a result.

Smart meters integrate into utility infrastructures, promoting better grid optimization by providing utilities with real-time data on energy consumption, enabling it to make forecasts in demand, rebalance grids, and allocate resources. Improved reliability and resilience enhance grid operations. Besides, smart meters enable the grid to integrate renewables easily, which helps in managing intermittent generation.

Smart energy meters will serve to support the entire environmental imperative requirement by enhancing energy efficiency and reducing greenhouse gas emissions in the future. Smart meters shall provide the option for consumers to monitor and manage their energy usage efficiently, hence contributing sizeable reductions in carbon emissions, air pollution, and resource depletion.

Further, smart energy meter installations have a bearing on innovation, economic development, and job opportunities. A new landscape, with data analytics and smart grid technologies, offers a means for technological advancement and entrepreneurship, which drives economic activity and attracts investment.

In other words, smart energy meters are one of the most integral parts of any modern utility infrastructure that are operational today. The fact that they allow real-time monitoring, grid management optimization, and environmental sustainability promotion, together with stimulating economic growth, underlines their importance towards the solution of energy-related problems in the present era. Embracing this potential of smart meters is very critical in building a brighter, cleaner, and more sustainable energy future for generations to come.

Mukul Pravin Falak
T.Y. B. Tech (2024-25)
Department of Electrical Engineering, AISSMS IOIT

MUSIC
A way of Expression

Has this ever happened to you? You are listening to some sad song and your mood suddenly becomes sad or when you are sad and listen to a happy song your mood lifts up? I think this must have definitely happened with you. Music is a very powerful medium of expression. It is a way of expressing our emotions and has the power to move us to tears of joy or sorrow. Not only the lyrics but also the tune and the notes of the music help the song to be expressive.

Music can express many kinds of emotions. When a mother sings a lullaby for her child or when we sing the patriotic songs for our country or when a lover is singing about their feelings, the emotions behind singing it are clearly expressed by anyone and are also received by the listeners.

Expressions in music has always been a part of all the classical music cultures around the world. Similarly, in India, the Hindustani classical music also has a rich diversity of ragas which have their own emotions and qualities. Ragas are the different patterns of Swaras which are arranged and sung in different ways to enhance its beauty and emotion. Ragas like Bhoop gives you peace of mind, Raag Malkauns helps you meditate on the night, Raag Hansadhwani will make you instantly happy and raag Malhar will give you the rainy feels.

In Hindustani classical music, expressing the ragas emotions correctly is as important as singing the notes correctly and yes it is as difficult as singing the correct notes. To express these emotions of ragas a singer can use many techniques like 'Gamaks', 'Meends', 'taana' and many others. A good classical singer definitely knows when to use these tools and how to use them to express the correct emotions and please the audience. All these techniques and a beautiful raaga when sung together with the correct emotions being expressed one can imagine what a blissful experience it will be.

In conclusion, we can say that there is expression in each and every element of a song. Music conveys a message and evokes emotions in patterns and in tension and release. All around the world music has been a way of expression and people have been singing songs to showcase their emotions. Therefore keep listening to songs and express yourself.

-PRISHA JAGDALE
TE, Electrical dept.

EXPRESSION

"I was such a vivacious child", said Anna to no one in particular. She would often do this thing where, she just sat in silence, mind warped in thoughts of how life had been in the past, of how roaringly boring life has been in the present, and the panic episodes she experienced at the very thought of how life would turn out in the future. "I was carefree and uncivil and cringe, but most importantly happy", she thought to herself. Young Anna was indeed an ebullient child, full of life, her curious mind overflowing with questions that she insisted on being answered. She was a child whose heart swelled at the sight of the stars splayed across the night sky, her eyes gleamed at the sight of a puddle of water during the rainy days. She bellowed with laughter at the poor jokes her dad would crack, she laughed so sincerely, and whenever things didn't go her way, she would stomp her foot and visibly frown. She would sit burrowed in a corner of the room, fuming with anger. She'd dry up her tear glands while watching an emotional movie. She was never shy of showing tears in public; any unpleasant circumstance could easily break her into a puddle of tears, and she couldn't have cared any less about the people gawking at her. She'd jump up with excitement, every time she'd go out to play, or got to watch her favourite cartoon on TV. She wore her heart on her sleeve and was brave, completely unafraid to express her emotions as they would come to her.

Upon further pondering, Anna realized how different a person she had grown up to be. Her younger self seemed like a stranger now. She realized how long it had been for her since she last had probing questions outlining her mind. She never bothered checking up on the stars anymore. She had outgrown the phase when she thought the twinkling of the stars meant "hello" in star language. She would shake her head unamusingly, if her feet dipped into a puddle by accident and declare the puddle, public enemy no. 1. Now, whenever her dad cracked a joke, it was reciprocated with an insincere, half-hearted laugh, and when things didn't go her way, she'd just fold, her lips drawn into a firm line and say "life's unfair". She usually bottled up all her frustration and only screamed at the sky when she reached the ultimate breaking point. She went from being someone who used to cry every day to a person who would cry once, every two months in the washroom while taking a bath. She had turned into a shell of a human, expressionless, colour drained from her mind and indolent.

Anna felt envious of her younger self. She wanted to be like her. But it's easier to say than to do. It takes unbelievable strength and conviction to freely express our emotions out in the open. Being vulnerable is often mistaken as a sign of weakness, but that's not true, thought Anna. 'Courage'- it takes insurmountable courage to be vulnerable. To feel every emotion to the core and give it the wings to reach to your face, to express it all, is the truest form of freedom. Freedom from the shackles of the words- "What would people say?". So, express yourself freely, smile freely, cry freely, and allow yourself to 'Be Human.'

Ashlin Joy,
B. E (2024-25)
Department of Electrical Engineering, AISSMS IOIT

Decoding Emotional Expressions
Understanding Non-Verbal Communication

Emotional expressions are a universal language that transcends words, conveying feelings and intentions with remarkable clarity. This article delves into the intricacies of emotional expressions, exploring their significance, types, and impact on interpersonal dynamics.

1. Importance of Emotional Expressions

Emotional expressions play a pivotal role in human communication, serving as powerful indicators of our inner states and relational cues. They enhance understanding, empathy, and social bonding, shaping our interactions in profound ways.

2. Types of Emotional Expressions

Facial Expressions: The face is a primary canvas for emotions, with micro-expressions like fleeting smiles or furrowed brows conveying subtle nuances.

Gestures and Body Language: Movements such as hand gestures, posture shifts, or even eye contact contribute to the richness of emotional expression.

Tone of Voice: Variations in pitch, tempo, and intonation can significantly alter the emotional context of spoken words.

3. Universality vs. Cultural Variations

Universal Expressions: Basic emotions like happiness, sadness, anger, fear, surprise, and disgust are universally recognized across cultures, reflecting evolutionary adaptations.

Cultural Influences: Cultural norms and social contexts can influence how emotions are expressed and interpreted, adding layers of complexity to emotional communication.

4. Impact on Relationships

Empathy and Connection: Accurately interpreting emotional expressions fosters empathy, deepening emotional bonds and mutual understanding.

Conflict Resolution: Misunderstandings in emotional expression can lead to conflicts; clarity in expressing and interpreting emotions promotes effective resolution.

5. Emotional Expression in Different Contexts

Professional Settings: Emotional intelligence, including the ability to perceive and manage emotional expressions, is increasingly valued in workplaces for effective leadership and teamwork.

Personal Relationships: Healthy relationships thrive on open and authentic emotional expression, nurturing trust and intimacy.

6. Emotional Disorders and Expression

Disorders: Conditions like autism spectrum disorder or alexithymia can affect emotional expression and recognition, highlighting the crucial role of emotional literacy in mental health.

7. Techniques for Enhancing Emotional Expression

Mindfulness: Cultivating awareness of one's own emotions and non-verbal cues enhances emotional expression authenticity.

Active Listening: Paying attention to others' emotional expressions promotes empathetic communication and deeper connections.

Conclusion:

Emotional expressions are a cornerstone of human interaction, offering a window into our inner worlds and enriching our social experiences. Understanding their nuances fosters empathy, improves communication, and strengthens relationships across personal, professional, and cultural contexts. By honing our ability to interpret and express emotions effectively, we can navigate life's complexities with greater insight and emotional intelligence.

Mrs. K S Gadgil
Assistant Professor
Electrical Engineering Department

Gratitude: a form of expression

In today's fast paced world, Gratitude is losing it's charm owing to the attitude of: "yeh dil mange more!" It is indeed worth to find something good in everyday, by reflecting on happy moments and thereby becoming a happier and grateful individual. This is only possible if we become self-aware. As the quote rightly says, "Silver is of less value than gold, gold than VIRTUE", so does gratitude helps to imbibe: VIRTUES FOR LIFE which are:

- Responsibility: Price of greatness is responsibility
- Kindness: Radiates positivity and goodness
- Humility: Keeps you grounded
- Honesty: Earns you mutual respect and good character.
- Hard work: Gets you the best results and a step closer to your goals.
- Loyalty: Gains you trust and respect
- Respect: Builds feeling of trust, safety and well being
- Patience: A key to achieve everything in life

8 ways to build up this form of expression are:

1. **Journaling:** This is a great way! Check out why?

- Decreases stress and Improves health. HOW? Researchers have found that writing about what we think and feel about stressful events can improve our psychological well-being, immune function and overall health.

- Helps to know yourself better.
- Makes you a HAPPIER person.
- Helps to recognize emotions and ways to calm down negative feeling.
- Increases motivation by self-dialogue.

2. **Choose happiness:** Happiness is a CHOICE, not a result. It is a sort after skill. So, make it your habit, nurture and develop it to get better at it. Isn't that wonderful news!

3. **Affirmations:** One of the easiest and most impactful thing to positively reprogram our self-talk is use of proper AFFIRMATIONS.

Check out these constant happy reminders…to:

- Increase self esteem and body image:

    -I don't want to look like anyone but myself.

-I love myself deeply and completely.

- Help deal with adversity:

  -I learn from my challenges and always find ways to overcome them

  -Failure is great feedback.

4. **Think positive:** Check out the benefits of positive thinking:

   -Helps try new things

   - Helps to focus on things you're grateful for and successful at.

   -Makes you happier and productive

   - Helps manage stress and boosts health by lowering blood pressure and heartrate

   -Helps make better choices.

5. **Bury negative thoughts:** Follow this approach when you encounter negative thoughts:

- Challenge your thoughts by reflecting on these questions:

  -What is the best thing that could happen?

  -What is the most likely thing that will happen?

  -What is the worst thing that will happen?

- Check for evidence. Try answering these:

  -Are my thoughts true or am I overthinking?

  -What is the evidence against my thinking?

  -What is the evidence for my thinking?

- Counter your negative thoughts:

- Give yourself a break

- Speak to someone you trust

6. **Learn from experiences:** Take a look at these facts about failure that leads to SUCCESS:

- One thing that differentiates losers from winners is that: Losers QUIT when they fail, while Winners learn from failures with consistent efforts until they succeed.

- To achieve something great, one must be ready to sacrifice.

- Embrace failures. Fear of failing never lets you win.

- Never give up attitude with consistent effort can convert even a biggest failure into giant success.

7. **Resilience:** It is the ability to bounce back during or after difficult times and get back to feel as good as before or even more determined. Ways to develop Resilience are:

- Take accountability for your actions instead of blaming others.
- Think of 3 possible responses before saying anything and choose the most constructive one.
- Respond politely and respectfully.
- Learn to say, 'I can't do it.. yet…'
- Think positive thoughts
- Seek help during tough times.

8. **Responding right:** Think of these questions before responding:

- How am I feeling right now?
- Should I respond or let it go?
- What is the best way for me to respond?
- What will be the consequences of my actions on me and on others?
- Did my response hurt anyone?

Use the **"STAR [STOP, THINK, ACT, REFLECT] approach"** to make THE RIGHT Connection.

Lord Buddha rightly said, **"We are shaped by our thoughts; we become what we think. When the mind is pure, joy follows like a shadow that never leaves."** So to conclude: GRATITUDE for all, expectation for none – the recipe for a **HAPPY** life!

Dr. Vineeta Philip
(Cultural in-charge)
E&TC Engg. Dept.

Technical Section

Staff Editorial

In a world driven by innovation and relentless progress, the power of ideas cannot be overstated. Every technological marvel, every groundbreaking discovery, and every solution to a complex problem begins with a simple idea—a spark of curiosity and the courage to explore the unknown. In this edition of AAYAM, we are proud to showcase the brilliant minds that make up our technical community. Each piece reflects a unique perspective, offering valuable insights into the challenges and opportunities that define our technological era. As we delve into these writings, let us not only celebrate the knowledge shared but also the passion that drives these writers to explore, question, and innovate. It

Finally, I would like to extend my heartfelt thanks to all the contributors for their hard work and dedication. Your contributions are the lifeblood of this magazine, and it is through your efforts that AAYAM continues to be a platform for learning, growth, and innovation. Together, we are not just documenting the present but shaping the future. Thank you for being a part of this journey.

Mrs. C. D. Rananaware
Assistant Professor
Instrumentation Department

Student Editorial

"Innovation begins with a single idea, and the power to articulate that idea lies in your hands."

As the torchbearers of technical knowledge, you, our writers, are the ones who illuminate the path for others. Your contributions to the technical section of AAYAM are not just articles; they are blueprints for the future, inspiring minds and fostering innovation. We are deeply grateful for your dedication, insight, and the relentless pursuit of excellence that you bring to every piece. Together, we are shaping a brighter, more informed tomorrow. Thank you for being the voice of innovation in our college community.

I would also like to thank Mrs. C. D. Rananaware Ma'am for giving us the opportunity and the support enlightening our minds with great thoughts and ideas which will cherish us throughout the year.

Akanksha Mahajan
TY B Tech Instrumentation
Student Editor

INDEX

EMERGING TECHNOLOGIES
EXPLORING THE LATEST ADVANCEMENTS

In today's rapidly evolving technological landscape, the pace of innovation is accelerating at an unprecedented rate. Artificial intelligence (AI) and quantum computing developments are poised to reshape the world as we know it.

Artificial Intelligence :

AI involves creating machines that can think and act like humans, using tasks such as natural language processing, computer vision, and machine learning.

Artificial intelligence (AI) is focused on creating machines and systems that can imitate human intelligence and capabilities. Here are some key aspects of Artificial intelligence (AI):

1) Natural Language Processing (NLP):

NLP involves enabling machines to understand, interpret, and generate human language. This allows AI systems to communicate with humans in a natural way, through tasks like language translation, text generation, sentiment analysis means involves determining the emotional tone behind a piece of text, and question answering.

2) Computer Vision:

Computer vision deals with enabling machines to interpret and understand digital images and videos. AI-powered computer vision can be used for tasks like object detection, facial recognition, image classification, and autonomous navigation.

3) Machine Learning:

At the core of modern AI is machine learning, which allows systems to learn and improve from experience without being explicitly programmed. Machine learning algorithms can analyze large datasets to identify patterns and make predictions, recommendation systems, and image recognition.

The field of AI has witnessed remarkable breakthroughs in recent years, with advancements in areas such as natural language processing, computer vision, and reinforcement learning means is a type of machine learning framework where an agent learns to make decisions by interacting with an environment in order to achieve a goal. Chatbots and virtual assistants have become increasingly sophisticated this means they can understand and respond to user queries more accurately, handle a wider range of tasks, and provide more personalized interactions, demonstrating human-like conversational abilities and the capacity to understand and respond to complex queries. In the healthcare, AI-powered diagnostic tools are helping medical professionals detect diseases earlier and with greater accuracy, while autonomous vehicles are paving the way for safer and more efficient transportation.

However, the rapid progress of AI also raises important ethical considerations. As these systems become more capable, there are growing concerns about issues like algorithmic bias, data privacy, and to replace the human jobs. Researchers and policymakers are actively working to ensure that the development of AI is guided by principles of fairness, transparency, and accountability.

Quantum Computing:

Quantum computing, on the other hand, is a type of computing that uses quantum-mechanical phenomena, such as superposition and entanglement, to perform operations on data. At the forefront of technological innovation, quantum computing promises to revolutionize various industries by harnessing the unique properties of quantum mechanics. Unlike classical computers, which store information in bits represented by 0s and 1s, quantum computers use quantum bits, or "qubits," that can exist in superposition, allowing them to perform certain computations exponentially faster than their classical counterparts.

This unprecedented computational power has the potential to transform fields like cryptography, materials science, and drug discovery. Researchers are making steady progress in building practical quantum computers, with tech giants and research institutions actively investing in this promising technology. As the field continues to evolve, the implications of quantum computing will become increasingly profound, ushering in a new era of scientific breakthroughs and technological advancements.

Today, IBM Quantum makes real quantum hardware a tool that scientists only began to imagine three decades ago—available to hundreds of thousands of developers. Our engineers deliver ever-more-powerful superconducting quantum processors at regular intervals, alongside crucial advances in software and quantum-classical orchestration. This work drives toward the quantum computing speed and capacity necessary to change the world. Here are some positive impacts of quantum computing related to Artificial intelligence (AI)

1. Data can be processed faster by quantum computers than by conventional computers. In other words, AI systems will be able to learn and improve faster.

2. Quantum computers can handle complex optimization problems that traditional computers cannot

handle, making AI algorithms run better. This could lead to artificial intelligence that is more powerful and intelligent than anything we have ever seen since quantum computing does not follow classical physics laws.

3. Many AI applications, such as planning and scheduling, can benefit from quantum computing because it helps explore viable solutions to problems.

4. AI architectures can be developed more efficiently and at a larger scale using quantum computers.

5. There are certain calculations that quantum computers can perform that traditional computers cannot solve, leading to the development of new AI algorithms.

At the end we can say that the AI is allowing machines to think and act more like humans. Computers can now understand language, recognize images, and make decisions in very human-like ways. This is thanks to breakthroughs in areas like natural language processing and machine learning ,While Quantum computing is a completely new type of computing that uses quantum mechanics. It has the potential to solve certain problems much faster than regular computers. The article discusses advancements in AI that enable human-like capabilities, as well as the revolutionary potential of quantum computing.

Varad Joshi
S.Y. BTECH - ELECTRICAL

SCOPE OF DATA SCIENCE IN INDIA

Data science is fast growing with the incorporation of artificial intelligence (AI), machine learning, and big data analytics providing unmatched prospects for experts. Data science is an ever-evolving domain, with emergent trends that redefine the way data is analyzed and utilized. These developments enable more efficient, accurate data-driven decisions.

India's data science scope cuts across various sectors proving its critical contribution towards enhancing innovativeness and efficiency. The demand for skilled data scientists has been on the rise as more businesses as well as government agencies adopt data-driven strategies, which is a significant shift towards making more informed and analytical decisions.

The field of Data Science is one of the fastest growing in India. In recent years, there has been a surge in the amount of data available, and businesses are increasingly looking for ways to make use of this data. As a result, data scientists are in high demand. Data Science is a relatively new field, covering a wide range of topics, from machine learning and artificial intelligence to statistics and cloud computing.

- Data Science is a relatively new field in India, so there is still a lot of excitement and interest surrounding it.
- The potential applications of data science are vast, and Indian businesses are just beginning to scratch the surface of what is possible.
- Many Indian companies are investing heavily in Data Science as they realize the competitive advantage that it can provide.
- The Indian government also supports Data Science careers in India, investing in infrastructure and initiatives to promote adopting data-driven practices.
- The talent pool of data scientists in India is rapidly growing as more people see data science's future scope in India.
- There are already many success stories of Data Science applications in India, and this will only likely continue in the future.

Supriya More
Ass. Prof. IT Dept.

ROLE OF INSTRUMENTATION ENGINEERING IN MODERN TECHNOLOGY

Instrumentation engineering is a dynamic and vital branch of engineering that focuses on the design, development, and maintenance of instruments and control systems. These systems are integral to various industries, ensuring precision, efficiency, and safety in processes ranging from manufacturing to aerospace.

At its core, instrumentation engineering combines principles from multiple disciplines, including electrical, electronics, and computer engineering, to create and manage devices that measure, control, and optimize industrial processes. The primary components of this field include sensors, transducers, and control systems. Sensors and transducers convert physical parameters, such as temperature, pressure, and flow, into electrical signals. These signals are then processed and interpreted by control systems to maintain desired output levels.

Instrumentation engineers are responsible for developing and calibrating these devices to ensure accurate readings and optimal performance. They work on the frontlines of innovation, contributing to advancements in areas such as automation, robotics, and smart technologies. Their expertise is crucial in industries like oil and gas, pharmaceuticals, automotive, and energy, where precise control and monitoring of processes are paramount.

One of the most exciting aspects of instrumentation engineering is its role in the Internet of Things (IoT). Instrumentation engineers design and implement smart sensors and actuators that enable machines to communicate and operate autonomously, paving the way for smart factories and cities.

In the rapidly evolving landscape of technology, instrumentation engineering stands out as a cornerstone of industrial innovation. Its contributions to enhancing efficiency, safety, and sustainability underscore its importance in shaping the future of various industries.

Priti Pawar
TY BTech – Instrumentation

THE RISE OF INDIAN ESPORTS
MOBILE GAMES LEADING THE CHARGE

Indian esports has witnessed a remarkable evolution over the past few years, driven primarily by the surge in popularity of mobile games. The accessibility of smartphones, affordable internet, and the passion of Indian gamers have collectively contributed to this burgeoning industry. In this article, we delve into the key mobile games that have propelled the growth of esports in India and explore the future opportunities in this dynamic sector.

The Mobile Gaming Revolution in India

1. Battlegrounds Mobile India (BGMI): BGMI was launched to cater specifically to the Indian audience. The success of BGMI has been amplified by players like Jonathan Amaral, a prominent figure in the BGMI esports community. Amaral, known for his exceptional skills and strategic gameplay, has become a role model for aspiring esports athletes.

2. Call of Duty Mobile (COD Mobile):COD Mobile has carved out its niche in the Indian esports landscape with its high-quality graphics and engaging gameplay. The game has attracted a dedicated fan base and numerous competitive events. Teams like Godlike Esports have made significant strides in COD Mobile tournaments, showcasing the potential of Indian talent on global stages.

3. Clash Royale: Clash Royale, a real-time strategy game, has also contributed to the growth of esports in India. Indian players have made their mark in international Clash Royale competitions, demonstrating the country's strategic prowess. The game's emphasis on quick thinking and tactical decisions aligns well with the competitive spirit of Indian gamers.

4. Valorant: While primarily a PC game, Valorant's influence on the Indian esports scene cannot be

overlooked. The game's tactical shooter mechanics and team-based gameplay have resonated with Indian players. The success of Valorant highlights the versatility of Indian esports athletes across different gaming platforms.

Future Opportunities in Indian Esports

1. Growing Infrastructure: The Indian esports ecosystem is poised for significant growth with increasing investments in infrastructure. Esports arenas, dedicated training facilities, and better internet connectivity are being developed to support professional gaming. These advancements will provide aspiring esports athletes with the resources they need to hone their skills and compete at higher levels.

2. Educational Initiatives: Esports education is gaining atttraction in India, with universities and institutions offering courses in gaming and esports management. By combining academics with esports, India can produce well-rounded professionals who can contribute to the industry both as players and in managerial roles.

3. Government Support: The Indian government is recognizing the potential of esports as a viable career option and a source of national pride. Initiatives to regulate and promote esports, along with the inclusion of esports in major sporting events, reflect this support.

The evolution of Indian esports, with a promising future ahead, bolstered by growing infrastructure, educational initiatives, sponsorships, government support, and international opportunities, the Indian esports industry is set to reach new heights.

Rohit Waghmare
TY B. Tech E&TC Dept.

EXPLORING THE WORLD OF
Cryptocurrencies

Cryptocurrencies have surged into the mainstream, capturing the imagination of investors, technologists, and everyday users alike. Born out of the desire for decentralized currency and powered by blockchain technology, cryptocurrencies represent a revolutionary approach to finance and digital transactions.

What are Cryptocurrencies?

Cryptocurrencies are digital or virtual currencies that use cryptography for security. Unlike traditional currencies issued by governments (fiat currencies), cryptocurrencies operate on decentralized networks based on blockchain technology. This decentralized nature removes the need for intermediaries like banks, enabling peer-to-peer transactions.

How Cryptocurrencies Work

1. **Blockchain Technology:** Cryptocurrencies operate on blockchain, a distributed ledger technology. Blockchain records transactions across a network of computers, making them secure, transparent, and immutable.

2. **Mining and Proof-of-Work:** Many cryptocurrencies, like Bitcoin, use a process called mining to validate transactions. Miners solve complex mathematical problems to add new blocks to the blockchain, securing the network and earning rewards in cryptocurrency.

3. **Wallets:** Cryptocurrency wallets store public and private keys, allowing users to send and receive digital currencies securely. Wallets come in various forms, including software, hardware, and paper wallets.

Popular Cryptocurrencies

1. **Bitcoin (BTC):** The first and most well-known cryptocurrency, Bitcoin paved the way for the digital currency revolution. It remains the largest by market capitalization and is often referred to as digital gold.
2. **Ethereum (ETH):** Ethereum introduced smart contracts, enabling developers to create decentralized applications (dApps) on its blockchain. It is a platform for building decentralized applications beyond simple transactions.
3. **Ripple (XRP):** Ripple aims to facilitate fast, low-cost cross-border payments using its digital currency XRP. It focuses on serving financial institutions and improving the efficiency of global money transfers.
4. **Litecoin (LTC):** Created as a "lighter" version of Bitcoin, Litecoin offers faster transaction confirmation times and uses a different hashing algorithm.

The Future of Cryptocurrencies

Cryptocurrencies continue to evolve, with ongoing advancements in technology and adoption. As they gain mainstream acceptance, their impact on finance, technology, and society at large is expected to grow, reshaping how we think about money and transactions in the digital age.

Radha Tadas
TY B.Tech E&TC Dept.

BRAIN-COMPUTER INTERFACES
BRIDGING THE GAP BETWEEN MIND AND MACHINE

Introduction

Ever imagined controlling your phone with a thought or playing a video game using only your mind? This isn't science fiction, it's the incredible promise of Brain-Computer Interfaces (BCIs). BCIs connect our brains directly to computers, enabling us to interact with technology in revolutionary ways. Let's explore this exciting technology and how companies like Neuralink are turning these futuristic concepts into reality.

What is brain-computer interface ?

A Brain-Computer Interface is a system that enables direct communication between the brain and an external device. Think of it as a translator that converts your brain's electrical signals into commands that a computer can understand. Here's how it works in simple terms:

- Signal Acquisition: Sensors pick up electrical signals from the brain.
- Signal Processing: These signals are translated into commands using advanced software.
- Device Control: The commands are sent to a computer, robotic arm, or another device, allowing you to control it with your mind.

Types of bcis

- **Non-Invasive BCIs:** These use external sensors like EEG caps to detect brain activity. They are safe and easy to use but less precise.
- **Invasive BCIs:** These involve surgically implanted electrodes in the brain, offering more accurate

control but with higher risk.

Real life applications

BCIs are not just a futuristic concept; they are already changing lives in various fields:

- **Medical Rehabilitation:** Helping people with spinal cord injuries or strokes regain control over their limbs.
- **Communication:** Allowing individuals with severe disabilities to communicate through computer interfaces.
- **Gaming and Virtual Reality:** Enhancing gaming by allowing control through thoughts alone.

Neuralink: leading the charge

One of the most exciting developments in BCIs comes from Neuralink, a company founded by Elon Musk. Neuralink is working on a high-tech BCI that could revolutionize medical treatments and everyday technology.

How neuralink work ?

Neuralink has developed a tiny, coin-sized device called the N1 chip that is implanted in the brain. This chip is connected to ultra-thin, flexible threads that detect brain signals. A robot surgeon performs the delicate task of implanting these threads, ensuring precision and safety.

Success stories

Neuralink's technology has shown promising results:

- **First Human Implant:** In January 2024, they successfully implanted their "Telepathy" device in a paralyzed patient.
- **Mind-Controlled Cursor:** Early results showed the patient controlling a computer cursor with just their thoughts.

The road ahead

The potential of BCIs is immense, but it also comes with challenges. Privacy, security, and ethical considerations are crucial as we move forward. Ensuring that this technology is safe, accessible, and used responsibly will be key to its success.

Conclusion

Brain-Computer Interfaces are a thrilling advancement in technology, bridging the gap between mind and machine. With companies like Neural ink pushing the boundaries, the future holds exciting possibilities. Whether it's restoring movement to those who are paralyzed or creating new ways to interact with technology, BCIs are set to transform our world in extraordinary ways.

So, what do you think? Is mind control exciting or a little scary? Share your thoughts and let's explore the possibilities together!

Jay Nikumbh
S.Y. B.Tech AI&DS

BEYOND BOUNDARIES
UNLEASHING THE SYNERGY OF
AI AND VLSI FOR TOMORROW'S INNOVATION
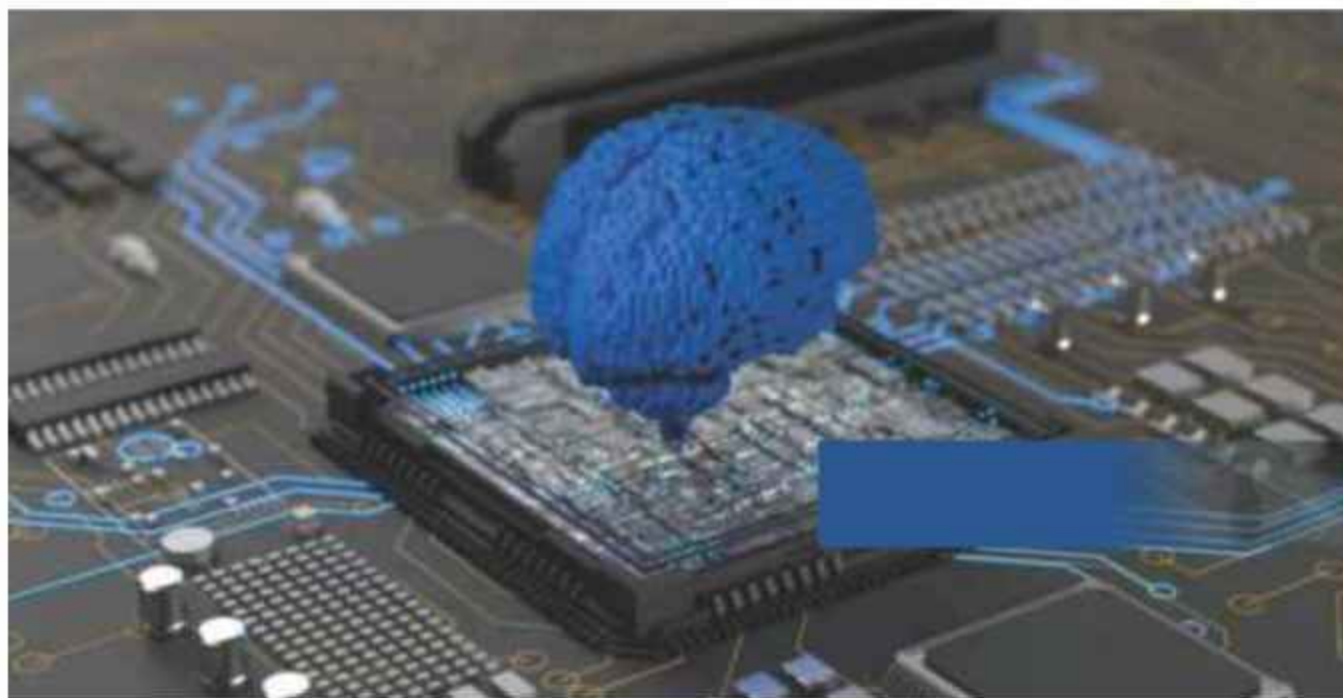
India stands on the cusp of a technological revolution, fuelled by advancements in semiconductor technology, Very Large Scale Integration (VLSI), and Artificial Intelligence (AI). As an engineering college professor deeply entrenched in these domains, it's imperative to shed light on how these fields intertwine to shape the future of India's technological landscape. The convergence of semiconductor technology, VLSI, and AI holds immense promise for India's future. By fostering a conducive environment for research and innovation, investing in education and skill development, and fostering collaboration between academia, industry, and government, India can position itself as a global leader in technology. Government initiatives such as the National Policy on Electronics, the National Programme on AI, and schemes like "Make in India" and "Skill India" are steps in the right direction. However, sustained efforts are required to address challenges such as infrastructure development, intellectual property protection, and talent retention.

Semiconductor Technology:

Semiconductor technology serves as the bedrock of modern electronics, powering devices that have become indispensable in our daily lives. India's semiconductor industry has seen remarkable growth in recent years, driven by a combination of factors including government initiatives, a burgeoning consumer market, and a skilled workforce. However, to truly establish itself as a global semiconductor hub, India must focus on research and development, innovation, and infrastructure enhancement.

VLSI:

VLSI plays a pivotal role in semiconductor technology, enabling the integration of millions of transistors onto a single chip. India has emerged as a significant player in the VLSI domain, with a growing number of companies specializing in chip design and fabrication. The proliferation of VLSI technology has not only revolutionized the electronics industry but has also opened doors to new possibilities in fields such as healthcare, automotive, and communications.

AI:

Artificial Intelligence represents the next frontier in technological evolution, promising to revolutionize industries, enhance efficiency, and drive innovation. India's AI ecosystem is rapidly evolving, with start-ups, research institutes, and multinational corporations investing heavily in AI research and development. From autonomous vehicles to personalized healthcare, AI has the potential to transform every aspect of our lives, provided we harness its power responsibly and ethically.

AI and VLSI technologies intertwine synergistically to revolutionize various domains by enabling hardware acceleration for AI algorithms, designing custom AI chips tailored for optimized performance, implementing neuron morphic computing for brain-inspired processing, facilitating on-chip learning crucial for edge computing applications, optimizing energy efficiency to extend battery life and reduce environmental impact, enabling real-time decision-making in latency-sensitive scenarios such as autonomous vehicles and medical devices, and fostering hardware-software co-design for maximum performance and scalability. This convergence opens up new horizons for innovation, empowering intelligent systems to tackle complex challenges across industries, from healthcare and automotive to finance and manufacturing, shaping a future where technology drives progress and enhances human capabilities.

As we look ahead, it's evident that semiconductor technology, VLSI, and AI will continue to drive India's technological progress. As engineering educators, it's our responsibility to equip the next generation of innovators with the skills, knowledge, and mind-set required to thrive in this ever-evolving landscape. Together, let us chart a course towards a future where India stands at the forefront of technological innovation, transforming lives and shaping a brighter tomorrow.

Dr. Shobha S. Nikam,
AP, Dept. of E&TC Engineering

THE WORLD RUNNING ON H2

Now, a days automobile sector turned to a EV technology due to diesel petrol crises, along with a major point i.e environment pollution poor air quality.

Vehicular emissions are the gases released through a vehicle exhaust system. Co, HC & SOx along with NOx and PM are all harmful for environment. 70% of total air pollution is caused by vehicles.2nd largest source of CO_2 emissions -22% of total global CO_2 emissions by automobile vehicle.

An electric vehicles (EV) is a vehicle that uses one or more electric motors for propulsion. For promoting green & clean environment Indian government also taking initiative by making multiple policy & Subsidy to the industry & common man who turned to electric vehicle.

Recently new emerging development is going on Hydrogen Internal Combustion engine technology H_2 converts the chemical energy to mechanical energy by burning hydrogen in a Internal Combustion engine by reacting with oxygen in a fuel cell to run electric motors.

So alternative fuels not only burn cleaner - producing lower emissions but some are even renewable unlike fossil fuels, which means we could. develop a continuous supply of them.

H2 technology engines are considered an excellent alternative to fossil full engines. Hydrogen fuel cell engine works by mixing hydrogen and oxygen generating electricity during the electrolysis

H2 engine efficiency up to 65% which is similar to IC engine. Comparatively less pollutant to environment .hydrogen internal combustion engines are appealing to vehicle makes for two primary reasons. First is their similarity with traditional internal combustion engines second is hydrogen's ability to power vehicles as a zero carbon fuel.

We can say Electric vehicle hydrogen engines are substitute of Diesel / Petrol engines.

Komal Pandit Malage
S. Y. B. Tech Electrical Department

Technology To Create New Normal

We've looked at how people are adapting to isolation and lockdown, and the physical and mental needs that are arising as a result of Covid 19 Crisis. As long as the world has not found a cure for Covid-19, we may have to adjust to a "new normal", meaning a new way of living our lives. We have anti-retroviral drugs that can control the disease, but not cure it. Therefore, our level of adaptation and the changes we have to make in our lives is much higher. These adaptations and changes are considered our "new normal".

The pandemic has permanently changed the nature and landscape of work, and both employees and employers are already adjusting to this new reality. Technology plays a cricial role in this new normal, which will change definitions of the workplace, both remotely and on the job site. Today, many people work remotely than ever before, and the majority of them want to continue the same. As face-to-face human interactions are likely to decrease owing to increased hygiene concerns so various tech ways are coming into picture in more profound ways. Starting from the education sector to the professional sector, the world will notice lesser movements especially in schools, colleges and other educational institutions. More emphasis on digital and online learning and project. This trend was not quite popular in the education sector but gained a greater momentum after the outbreak of the pandemic whereby all the schools, colleges and universities were closed and they completely had to shift to virtual classroom mode to keep continuing the classes that came to a halt otherwise.

To prepare for the new normal, companies have redirected investments from bigger office spaces and on-site support to new technological solutions to allow for safe, and productive work environments. Government agencies also have to adjust their focus accordingly Considering the increased need for health-care services

during the pandemic, technology has played a critical role in the health-care sector. In addition to the information systems that are normally used in healthcare, the new applications of video conferencing for doctor appointments, contact tracing applications, and emergency messaging services were deployed during this time. The disruption caused the food industry, manufacturing, and retail industries to review and adapt their business models. Restaurants adapted delivery or take-out-only options, while other small businesses set up websites with online shopping in an attempt to continue with their businesses.

High-end technology with an uninterrupted high-speed internet connection for powering the video lectures, online projects, work-from-home etc. is now no more an option for education sector and professional sector. In this way, productivity has risen since commuting time, expenses and energy are saved and more output is gained with minimal input.

So the new normal continues to evolve. Even after the pandemic ends, the use of these technologies will expand beyond the pandemic response, and, if anything, will become even more widespread. In a nutshell, the time has come to prepare for a different world in the coming future at the earliest to guarantee our healthy survival.

-Deepali Yewale
Assistant Professor
E & TC

Low-cost breathing aids developed by Mercedes High Performance Powertrains, University College London and University College London Hospital have been shipped to hospitals around the world in a life-saving partnership.

CPAP (Continuous Positive Airway Pressure) devices were used in the first COVID-19 outbreaks to keep patients off invasive ventilators in China and Italy, but they were in short supply in the UK – and difficult to mass manufacture cheaply and quickly.

It took just 100 hours from the first meeting, between Mercedes HPP engineers, and clinicians from UCL and UCLH, to produce the first UCL-Ventura CPAP device with Mercedes' Brixworth factory repurposed to manufacture them.

Teams reverse-engineered an off-patent mechanical device, previously used in the NHS, to create a less oxygen-hungry version. This involved redesigning the entrainment port and improving flow and pressure. Mercedes set up a rig to do flow tests on filters, while simulation engineers, more used to designing inlet ports and compressors for F1 engines, improved fluid flow through the jet pump.

Applying motorsport characteristics of competitive ingenuity and adaptability helped to drive the success of this healthcare innovation; from idea to hospital testing took just 100 hours, with Medicines and Healthcare products Regulatory Agency approval gained in ten days.

The UCL-Ventura device blueprints and manufacturing information is freely available online, with over 1900 teams in 105 countries having downloaded the device. They have now been shipped to around 130 hospitals in the UK, Palestine, and Uganda, and locally manufactured in countries such as India, Pakistan, South Africa and Mexico.

- **Aditya Rege**
SE Instrumentation

The UCL Ventura

Smart Factory-Next Step to Industry Evolution

Smart Factory is a concept for expressing the end goal of digitization in manufacturing. It is a highly digitized system that continuously collects and shares data through connected machines, devices, and production systems. The data can then be used by self-optimizing devices or across the organization to proactively address issues, improve manufacturing processes and respond to new demands. Smart factories are an amalgamation of Artificial Intelligence, Cloud Computing and Industrial IoT.

The manufacturing practice adopted by smart factories is the most optimized application of technologies arising from the fourth industrial revolution known as Industry 4.0. The key components differentiating a smart factory from a regular industry are:

- **Industrial IoT(IIoT):** Industrial machines and devices are linked to each other by data communication systems facilitating information exchange between machines and people.
- **Sensors:** Distinct data is needed to be collected at various points to regulate said process. Sensors are attached to machines at measuring points to achieve the same.
- **Cloud Computing:** Collected data needs to be stored for comparison and analysis. Traditional methods of recording are being replaced by cloud storage. Cloud computing allows storage, processing, and sharing data with greater flexibility at a lower cost.
- **Big Data Analytics:** The accumulation of data over time can provide insights into how efficient the production process is. Spotting error patterns, running predictive quality assurance with high accuracy, delivering the right information at the right time enables shop floors to improve optimally and quickly.

Benefits of a Smart Factory

Smart factories optimize efficiency and productivity by widening scope of the capabilities of both manufacturing devices and people. By focusing on creating a continuous, efficient production process through data collection, smart factories can aid decision-making processes with stronger evidence.

By continuously improving the productivity of manufacturing processes, smart factories can lower costs, reduce downtime and minimize waste. Identifying and reducing misplaced or underused production capacities mean opportunities for growth without investing in additional monetary and/or physical resources.

Notable Smart Factories-
The Tesla Gigafactory, Berlin(Germany)

The Berlin Gigafactory, launched in 2021, will be the first of its kind, with Tesla promoting it as the most advanced high-volume electric vehicle production plant in the world. It will be used for building batteries, powertrains, and vehicles.

Schneider Electric, le Vadreuil(France)

Recognized as one of the most advanced manufacturing sites in the world, applying Fourth Industrial Revolution technologies at scale, the factory has implemented EcoStruxureTM Augmented Operator Advisor giving +2% to +7% production increase and 30% energy savings.

-Kaushal Agashe
(SE Instrumentation)

Data Science - The Fuel for Industry

In 2020, every single human created at least 1.7 MB of data per second! And it is estimated that more than 4.39 billion people all across the globe are connected to the internet so far. More than 2.5 quintillion bytes of the data is created every single day, and this number goes on accelerating. Around 1 million people login to Facebook every minute. 4,500,000 videos are streamed over Youtube every 60 seconds. 55,140 photos are shared on Instagram each minute, which increases by 12% every year. Google processes 4.5 million searches every second. Every action performed by an individual on the internet is nothing but data. And well, you might be wondering what is so special about it? All this data collected when we scroll, like, comment, post, search, is nothing more than garbage! But the surprising fact is, all the social media platforms like instagram, youtube are making millions and billions of dollars just with this garbage! And this art is known as the mighty Data Science. All the data on the internet is nothing but the fuel for the industry. Data Science is the tool that converts the garbage on the internet to gold.

By using this huge chunk of data, the recommendation systems and the ads on the internet work. Processing on this data gives an analysis of what the majority of the population is up to on the internet. Personalized ads work in the same way. The chunk of data collected from social media is massive than any other medium.

Data science is an interdisciplinary field that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from noisy, structured and unstructured data, and apply knowledge and actionable insights from data across a broad range of application domains. Data science is related to data mining, machine learning and big data. In recent years, the field of data science has become very important and apparent in relation to the computer science field.

Data science uses techniques such as machine learning and artificial intelligence to extract meaningful information and to predict future patterns and behaviors.

Advances in technology, the internet, social media, and the use of technology have all increased access to big data. The field of data science is growing as technology advances and big data collection and analysis techniques become more sophisticated.

Data science continues to evolve as one of the most promising and in-demand career paths for skilled professionals. Today, successful data professionals understand that they must advance past the traditional skills of analyzing large amounts of data, data mining, and programming skills. In order to uncover useful intelligence for their organizations, data scientists must master the full spectrum of the data science life cycle and possess a level of flexibility and understanding to maximize returns at each phase of the process.

Data mining applies algorithms to the complex data set to reveal patterns that are then used to extract useful and relevant data from the set. Statistical measures or predictive analytics use this extracted data to gauge events that are likely to happen in the future based on what the data shows happened in the past.

Machine learning is an artificial intelligence tool that processes mass quantities of data that a human would be unable to process in a lifetime. Machine learning perfects the decision model presented under predictive analytics by matching the likelihood of an event happening to what actually happened at a predicted time.

Using analytics, the data analyst collects and processes the structured data from the machine learning stage using algorithms. The analyst interprets, converts, and summarizes the data into a cohesive language that the decision-making team can understand. Data science is applied to practically all contexts and, as the data scientist's role evolves, the field will expand to encompass data architecture, data engineering, and data administration.

Data scientists have changed almost every industry. In medicine, their algorithms help predict patient side effects. In sports, their models and metrics have redefined "athletic potential." Data science applications have even tackled traffic, with route-optimization models that capture typical rush hours and weekend lulls. Companies such as Netflix mine big data to determine what products to deliver to their users. Netflix also uses algorithms to create personalized recommendations for users based on their viewing history. Data science is evolving at a rapid rate, and its applications will continue to change lives into the future. And that makes data science an immortal weapon in the world of technology!

- Prarthana Chandak
TE COMP - 1
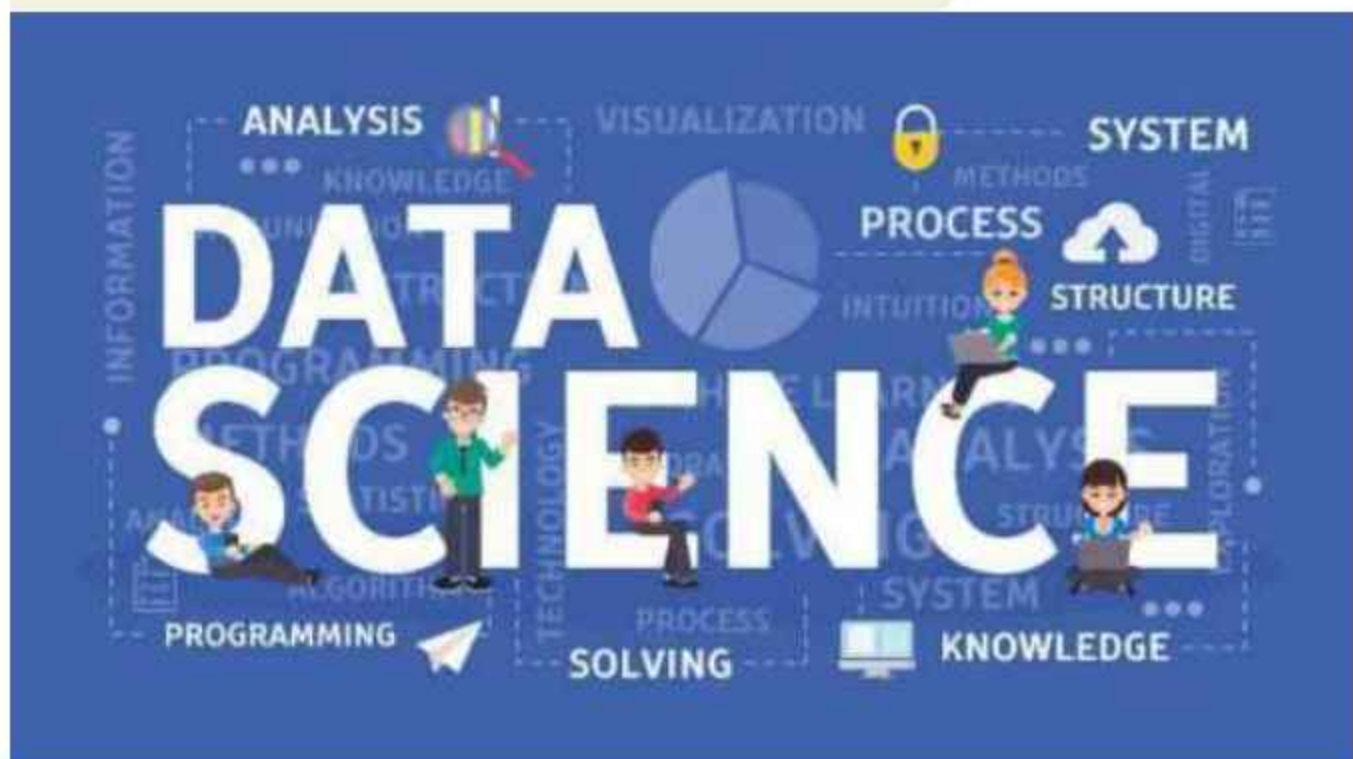
Art
Expression

Staff Editorial

Expression in Art

Art has always been a profound medium of expression, a way for artists to communicate emotions, thoughts, and experiences that transcend words. At its core, art is not just about the techniques or materials used, but about the raw, unfiltered emotion that it conveys. Expression in art serves as a bridge between the artist and the audience, offering a glimpse into the artist's soul and allowing the viewer to connect on a deeply personal level.

Expression in art is about more than just visual appeal; it's about evoking a response. It speaks directly to the viewer's emotions, bypassing rational thought and tapping into the shared human experience. This connection is what makes art timeless and universally relatable, transcending cultural and historical boundaries.

For artists, the act of creation is often a personal journey of self-discovery and catharsis. Expression allows artists to process and reflect upon their own experiences, emotions, and inner conflicts. It is a means of asserting their identity, challenging societal norms, or simply exploring the depths of their imagination. This process is deeply personal, and each artist's unique perspective adds to the rich tapestry of the art world. The freedom to express without boundaries or limitations is what makes art a powerful tool for both personal and collective reflection.

Expression is the heartbeat of art. It is what makes art resonate, provoke, and endure. Through expression, art becomes more than a visual experience—it becomes a journey into the human condition, a mirror reflecting the complexities of our existence. As we continue to explore the vast landscape of artistic expression, we celebrate the diversity of voices that make art an ever-evolving dialogue between the creator and the viewer.

Mr. A. S. Apate
Assistant Professor

Student Editorial

Art has the remarkable ability to communicate across cultures, languages, and time. It is a universal language that speaks to the core of human experience, addressing themes of love, loss, joy, and despair. In a world that is increasingly fragmented, expression in art offers a common ground where differences can be celebrated and shared. It reminds us of our shared humanity and the emotions that connect us all.

The expressive power of art lies not only in the artist's intent but also in the viewer's interpretation. Each individual brings their own experiences, biases, and emotions to the table, creating a unique dialogue between the artwork and the observer. This personal engagement transforms art from a static image into a dynamic experience, where meanings shift and evolve with each viewing. Expression in art invites viewers to look beyond the surface, to explore the layers of meaning and emotion that lie beneath.

Artistic expression is a two-way street. While the artist breathes life into the work, it is the viewer who completes it. Each interpretation, each emotional response, adds another layer of meaning. This interaction transforms art into a living, evolving entity—one that continues to inspire, challenge, and move us long after the artist's brush has dried or the camera has clicked.

Chaitanya Salunke
FY B. TECH

PHOTOGRAPHY

Kapish Kokare
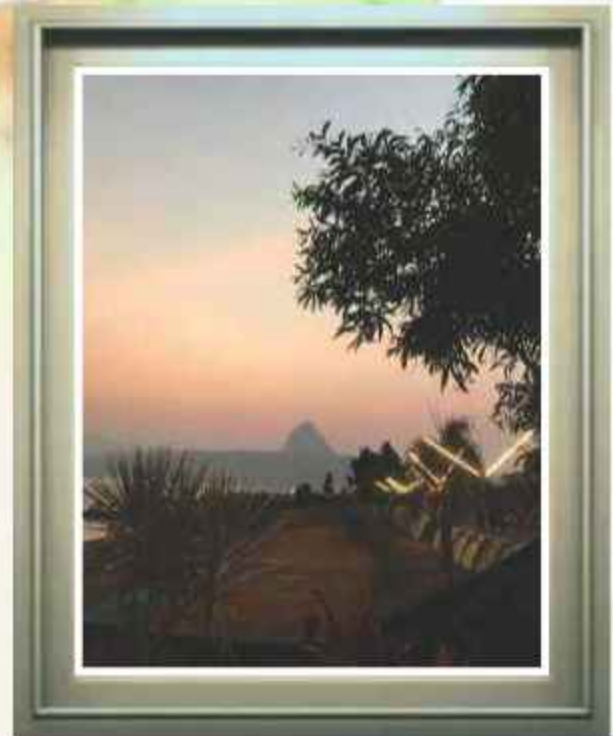
Kapish Kokare

Viraj Shewale

Lalita Bari (BE)

Viraj Shewale

Ishwari Sonsale (TE)
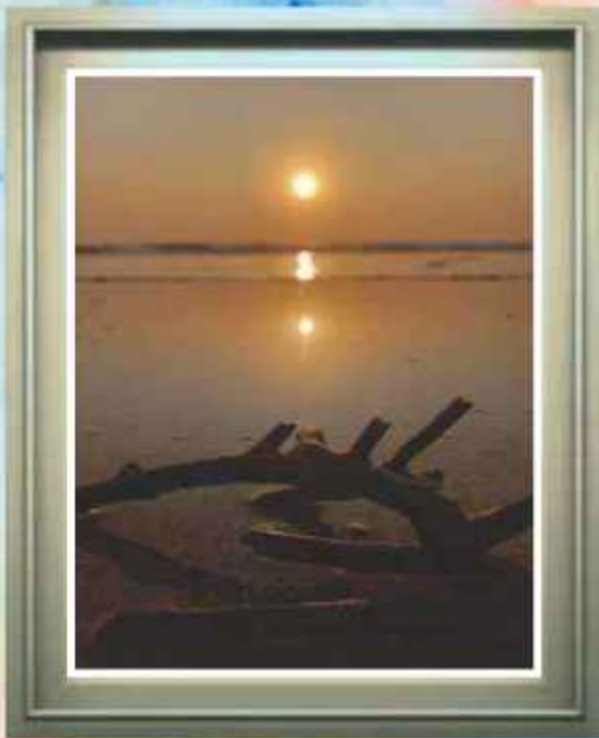
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Ishwari Sonsale (TE)
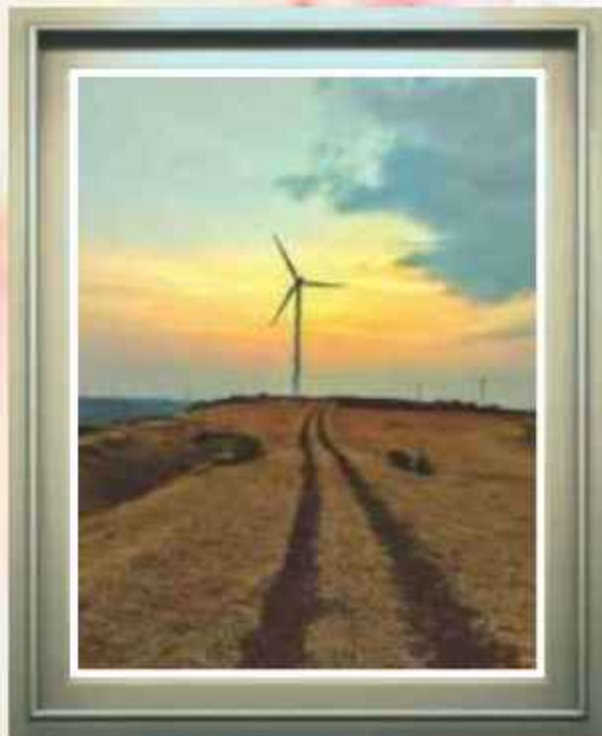
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Utkarsh Kadtare (TE)
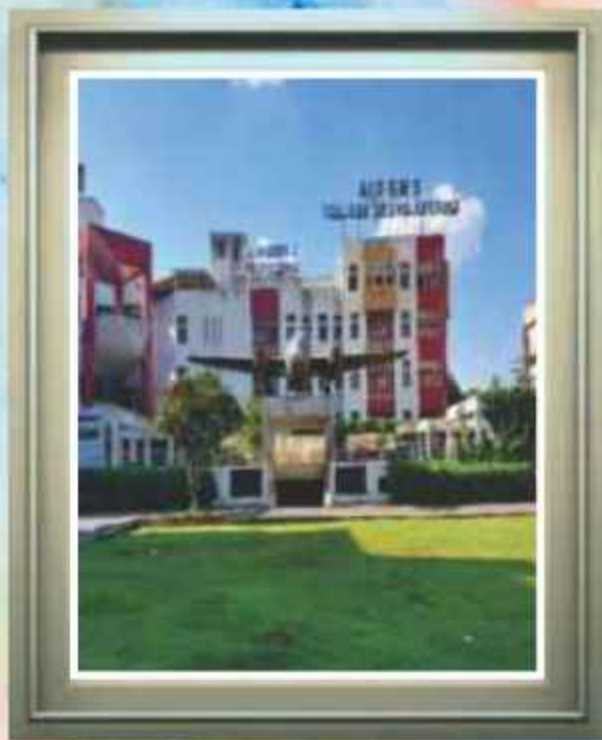
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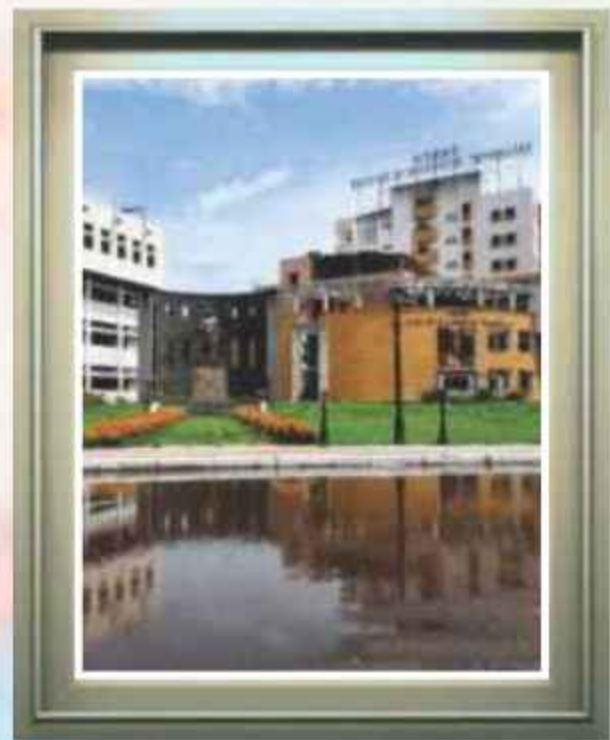
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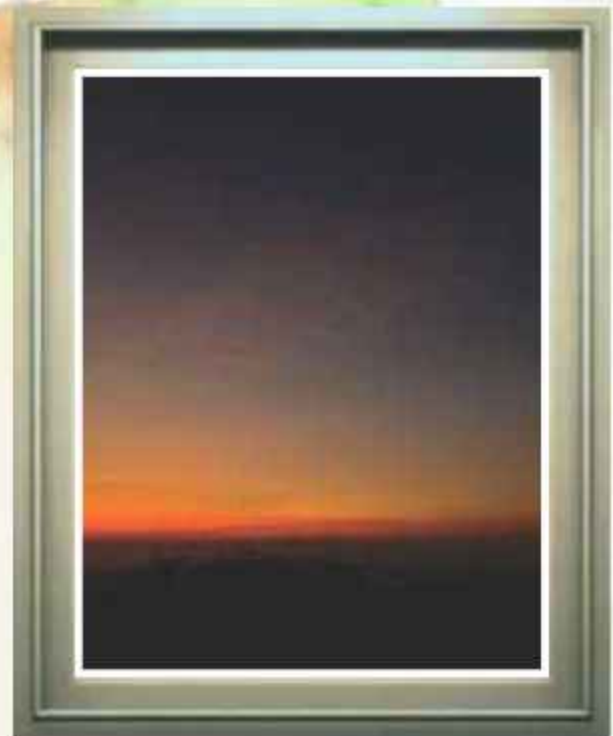
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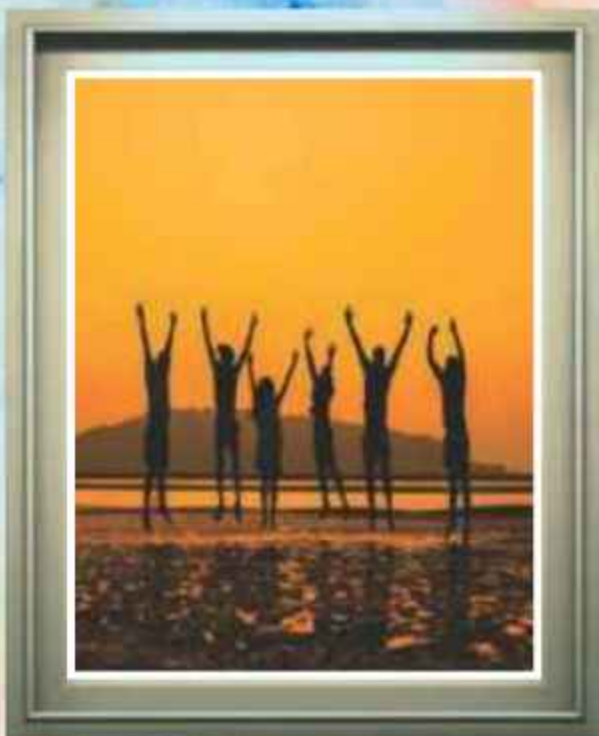
Tanvi Sonune (FY)

Yugandhar Deshmukh (BE)

Mr. N. D. Gaikwad, TPO

Dr. Mrunal Pathak
Assistant Professor (IT)

Mr. N. D. Gaikwad, TPO

Mr. N. D. Gaikwad, TPO
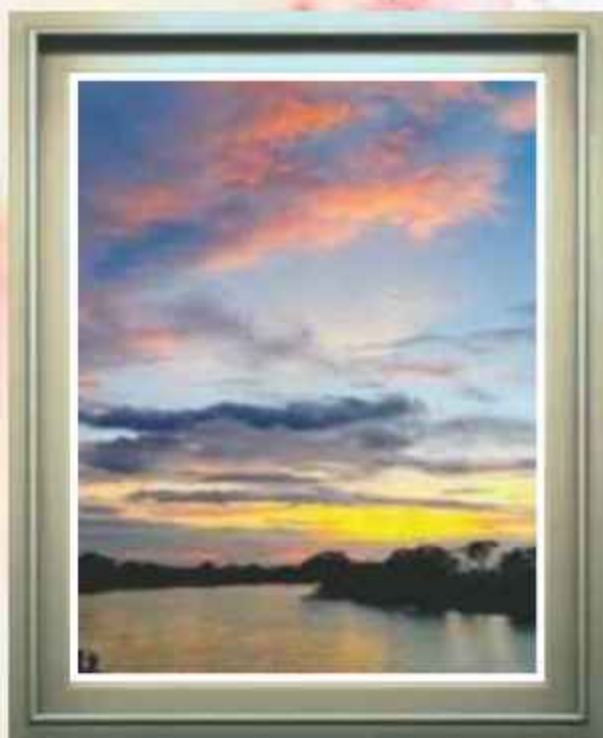
Mr. Ashish Apate
Assistant Professor (Engineering Sciences)

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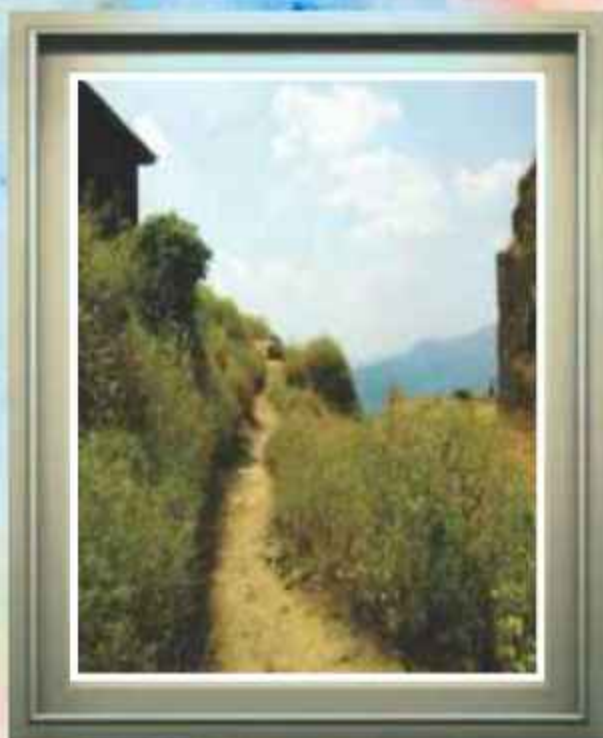
Mr. Ashish Apate
Assistant Professor (Engineering Sciences)

Mr. A. J. More
Assistant Professor (Engineering Sciences)
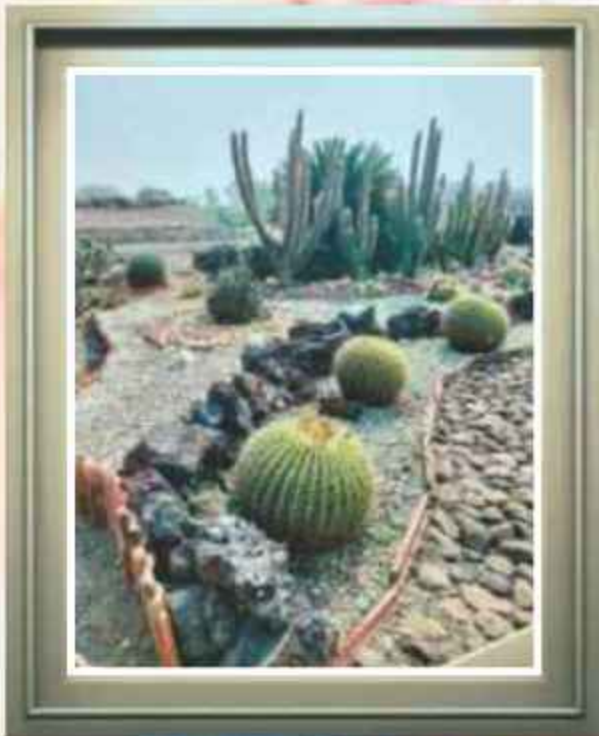
Mr. A. J. More
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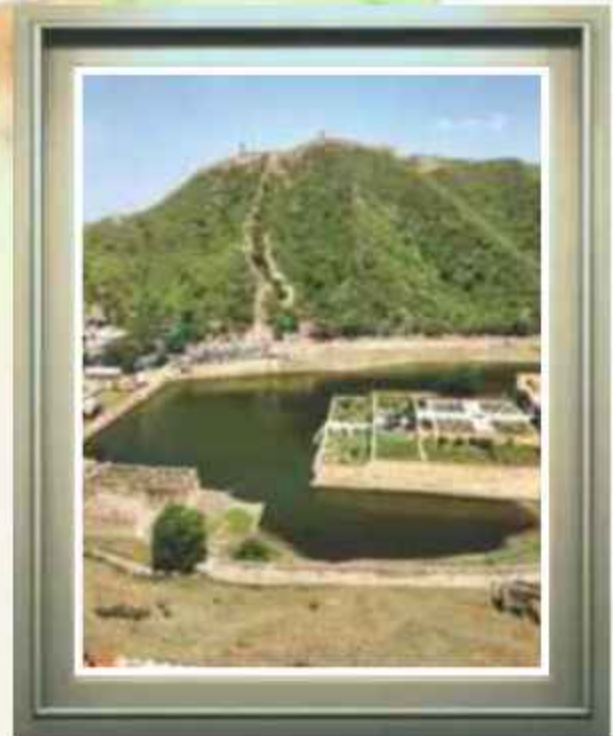
Mr. A. J. More
Assistant Professor (Engineering Sciences)

Sketches

Sakshi Dhondkar (BE Computer)

Dhanashree Yadav (TE AIDS)

Sakshi Dhondkar (BE Computer)

Isha Badhe (SY AIDS)

Parth Shete (TE Electrical)

Prajwal Pawar (FY)
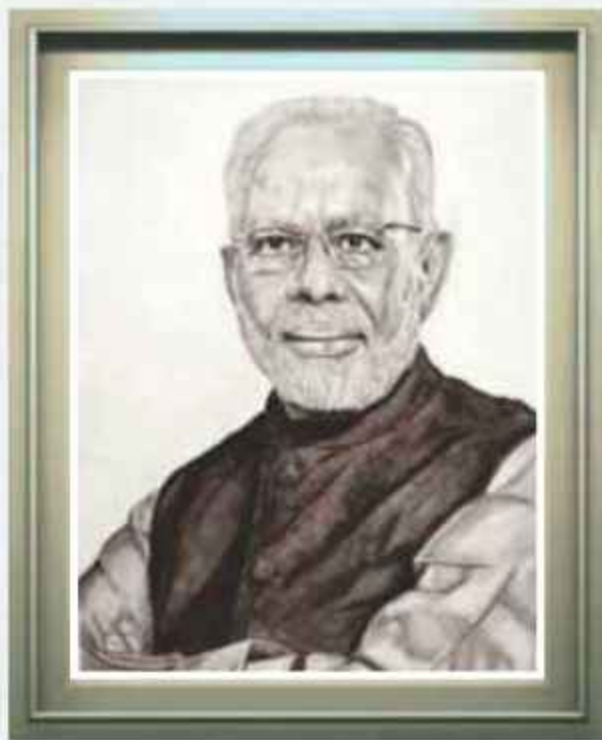
Suyash Shewale (BE Comp)

Tejas Sonale (TE Tnstrumentation)

Tejas Sonale (TE Tnstrumentation)

Tejas Sonale (TE Tnstrumentation)

Janhavi Parihar (SY IT)

Vedant Kolte (FY AIDS)

Vedant Kolte (FY AIDS)

Chaitanya Salunke (FY Comp)

Chaitanya salunke (FY Comp)

Chaitanya salunke (FY Comp)

Painting

Dhanashree Yadav (TE AIDS)
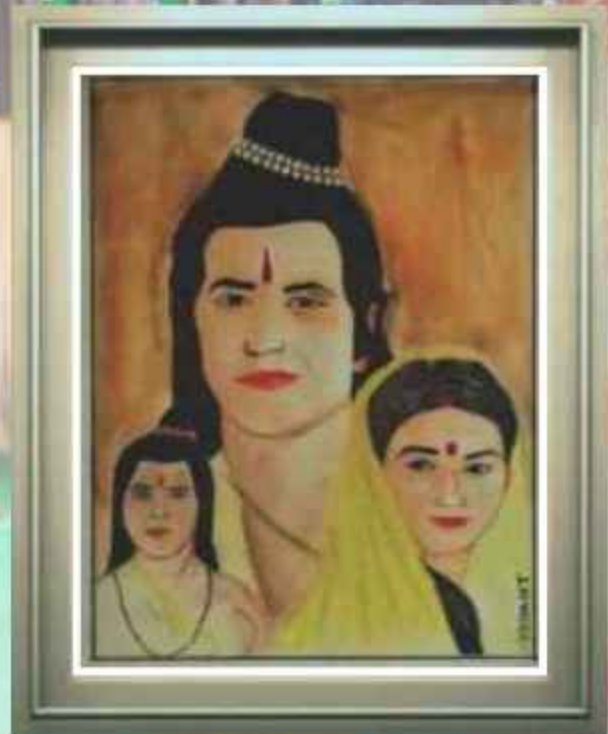
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Janhavi Parihar (SY IT)

Isha Badhe (SY AIDS)
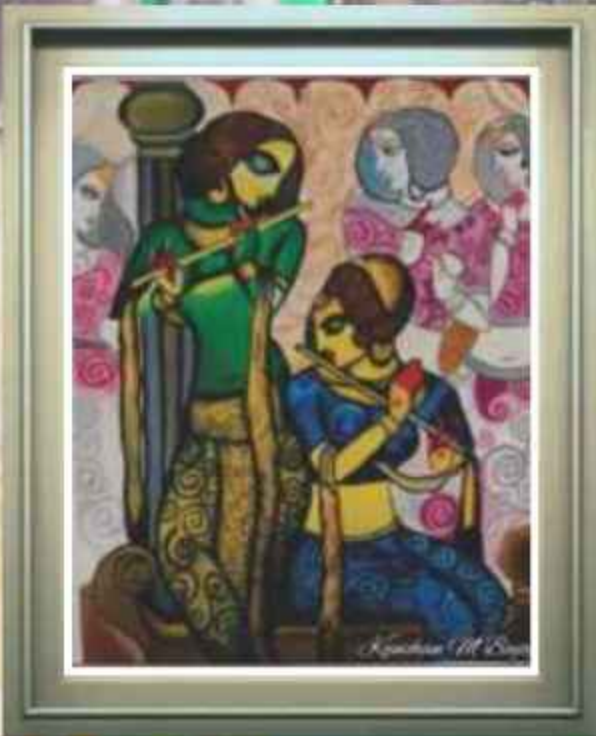
Kanchan Bajaj

Kanchan Bajaj

Dhanashree Yadav (TE AIDS)

Kanchan Bajaj

Soham Patil (TE AIDS)

Isha Badhe (SY AIDS)

Rutuja Katkar (TE AIDS)

Janhavi Parihar (SY IT)

Soham Patil (TE AIDS)

Soham Patil (TE AIDS)

Digital Painting

Vedant Shahare (SY AIDS)

STUDENT DEVELOPMENT ORGANIZATION

Earn and Learn Scheme

Nasha Mukt Bharat Abhiyan

Rajshri Shahu Maharaj Jayanti

Voter Registration Campaign

Meri Mati Mera Desh at COEP

Mahatma Gandhi & Lal Bahadur Shastri Jayanti

STUDENT DEVELOPMENT ORGANIZATION

Amrut Kalash Dindi

Amrut Kalash Yatra

MoU Signing Ceremony

Bhimashankar Tourism activity

AIDS Awareness Program

CDC Election

Subhashchandra Bose Jayanti

STUDENT DEVELOPMENT ORGANIZATION
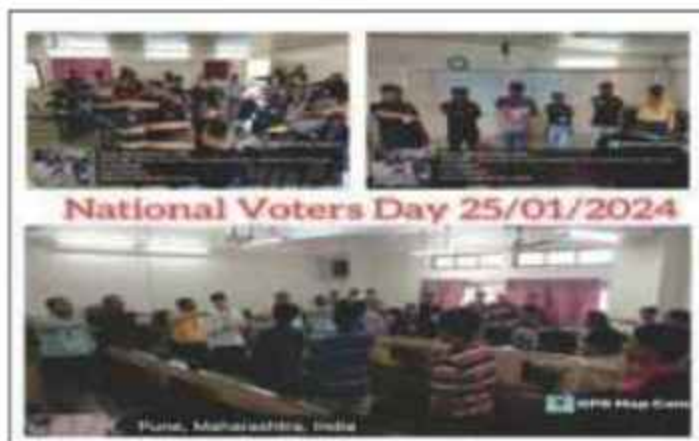
Voters Day

Martyrs Day

River Paradise Tour

Mount Abu Tour at Rajasthan

Alibag Tour

NSS (National Service Scheme) Report

Amrut Kalash Yatra

Bhide Bridge River

Tree Plantation

NSS (National Service Scheme) Report

NSS Camp

Haldi Karyakram

Savitribai Phule Jayanti

NSS (National Service Scheme) Report

NSS Pathnatya

Samvidhan Day

Samvidhan Day

Annual Alumni Meet   6ᵗʰ January 2024

AISSMS IOIT Alumni Association decided to conduct the 15ᵗʰ Alumni Meet in semi formal format to encourage participation.

Personal mails were sent to the Alumni one month in advance, every week followed by SMS and phone call. To reach maximum number of alumni we also placed the invite on Face book, Linked-in website.

Following is the invitation card sent to Alumni. The invitations were sent to AISSMS Patrons and Society members.

Alumni Meet:

The session commenced at 5.00 pm with the registration of the alumni. The registration was done by volunteers of Third year students. 250 alumni attended the program.

The program started with welcome address by Mr. Radheya Kale , on the behalf of president of Alumni Association. He appreciated the alumni for their turn out. He told them that they are the valued ambassadors of AISSMSIOIT and they should continue their association with AMSSMSIOIT. he also urged them to take part actively in College activities.

Mr. Suresh Pratap Shinde,Jt. Secretory, AISSM Society address the gathering and urged the alumni to involve in the activities of college in more number.

Dr.P.B.Mane ,The Principal AISSMSIOIT welcomed the alumni during his address. He discussed the developments in the college like NBA, Placements, and Autonomy curriculum for UG. He requested the members to register in the association which is formed legally now. Further, he also requested the alumni members to strengthen the alumni activities by doing the following:

- Organizing Workshops / Seminars
- Delivering guest lecturers
- Offering mini /major projects
- Motivating juniors for higher education and campus placements
- Offering internship in their respective organization
- Permitting industrial visits
- Utilising Alumni fund

Next, felicitation ceremony was held for distinguished Alumni. The alumni shared their views. They are willing to come to college for entrepreneurship Programs. More than 10 alumni's expressed their views towards college and also they expressed their support towards their junior students. They shared their past time experiences in and guided us for corporate world. They gave tips to improve our performance in not only academics but also for future aspects.

In the post dinner session, the alumni visited their respective departments   to see the recent progress

and activities. After the presentation, discussion on the future developments ensued and alumni came up with many suggestions regarding the syllabus of courses, laboratory development etc. They also offered their services in the growth of Department.

The alumni Mr.Prashant Wakhare (2013 batch, IT Dept) delivered the Vote of Thanks. This was followed by Dinner break and coordinators and faculty members interacted with the alumni.

A feedback was also collected from alumni regarding the organizational aspects of the Meet and their suggestions for improvement in professional training at AISSMSIOIT.

At last, the whole program ended with a group photo of the alumni's.

The Alumni Meet closed at a very emotional note. However, everyone appreciated the efforts by the IOIT in organizing the Meet. Everyone departed with the resolve to visit again and spread the message amongst all who could not visit this time.

This type of events is a source of inspiration to us and a way to get connected with the big family of AISSMSIOIT. We all are thankful to the Alumni's and hope that this effort of ours to build a bond stays forever.

Co-ordinators : Ms. Minal A. Zope (Computer)

Members : Ms. Krutuja Gadgil (Electrical), Dr. Badri Mohapatra (Instrumentation), Ms. Pragati Mahale (IT), Mr. Milind Gajare   (E&TC), Ms. Pradnya Bormane (AIDS)

Alumni Reflection

OMKAR ZANJE
ELECTRICAL DEPARTMENT
ALUMNI

- Can you briefly describe your career path since graduating?

  I have total 5 years of experience in electrical field. I am working in an Australian MNC as an electrical design engineer. I have worked in several countries including Germany, Japan.

- What are your biggest professional accomplishments, and how did your education contribute to them?

  I joined Vanderlande, a Netherlands based company. My technical education as well as teachers' guidance helped me to excel in my career.

- What goals did you set for yourself during your time as a student, and how did you achieve them?

  I focused on study throughout my engineering. Also I participated in many activities . I was Renewable energy club coordinator, I actively participated in Alacrity, Enthusia, Power quality cell.

- What was the most significant challenge you faced during your studies, and how did you overcome it?

  I was admitted to direct second year after my diploma. So, it was quite challenging to cover all subject as we joined college three months late. I studied with focusing tougher subjects first and overcame by practicing.

- How did you stay motivated when things were difficult or uncertain during your student life?

  I followed strict routine for study, focused on meditation for well-being. These things helped me during tough times.

- Can you share an experience where failure or setback turned into a learning opportunity for you?

  I have only one backlog in my life which is Mathematics-3, because I got only 2 months to study due to late admission. But I overcame it in next semester by studying harder and ranking top in next semester.

- What advice would you give to current students who are feeling unmotivated or unsure about their future?

  To write down your goal, to plan a path to reach it and start taking actions instead of thinking.

- What mindset or habits would you recommend developing in order to succeed both academically

and professionally?

Learning attitude will help you to succeed in both lives. There is no perfect college!

- In what ways do you think it's important for students to embrace continuous learning, even after graduation?

Yes, in current scenario, it is important to learn new things continuously.

- What skills or knowledge areas do you believe are most valuable in today's world, and how can students focus on them?

Communication skills, Microsoft excel, ETAP, AutoCAD are the must skills that electrical engineers should learn.

- What advice can you give to students about the importance of networking and how to effectively build connections?

If you are not placed through campus placement and after your first job switch, networking is much important.

- Can you share an inspiring quote, motto, or personal mantra that keeps you going through challenges?

Go with the flow, sometimes be the flow.

- What one piece of advice would you give to every student who wants to succeed in life?

Discipline is the key to success.

Alumni Reflection

ANKIT SONAWANE

- Alumni Reflection – Ankit Sonawane

1. Can you briefly describe your career path since graduating?

   Since graduating from AISSMS IOIT, I have actively engaged in entrepreneurship and technology. Along with three other innovative minds, I co-founded Search-In IT Solution LLP, a startup focused on revolutionizing retail with smart solutions. My journey has been a mix of product development, business growth, and networking with investors and industry leaders.

   Additionally, I was honored with the Best Outstanding Student Award from ISTE Maharashtra & Goa Section after graduation, a recognition that reinforced my dedication to innovation and leadership.

2. What are your biggest professional accomplishments, and how did your education contribute to them?

- Co-founded Search-In IT Solution LLP.
- Successfully developed Smart Trolley and Vertical Farming using IoT, which received national and international recognition.
- Winning multiple startup and innovation competitions.
- Being awarded Student of the Year of the Institute during my college years, and later the Best Outstanding Student Award by ISTE. My education provided me with the technical expertise, leadership skills, and problem-solving mindset needed to excel in these areas.

3. What goals did you set for yourself during your time as a student, and how did you achieve them?

   During my college years, I aimed to:

- Build a startup before graduation (Achieved through Search-In IT Solution LLP).
- Gain leadership experience (Served as TESA President, ACM Treasurer, and University Representative).
- Win national and international startup competitions (Achieved with multiple first-place wins).
- Be recognized for my efforts (Won Student of the Year and ISTE's Best Outstanding Student Award). Achieving these goals required teamwork, persistence, and leveraging the right opportunities. My co-founders and I worked together, participated in competitions, and

continuously improved our ideas.

4. What was the most significant challenge you faced during your studies, and how did you overcome it?

Balancing academics and entrepreneurship was one of the biggest challenges. While working on our startup, we had to ensure we met academic expectations. We managed this through effective time management, delegation, and prioritization.

5. How did you stay motivated when things were difficult or uncertain during your student life?

Having a team with the same vision made a huge difference. Whenever we faced challenges, we motivated each other to keep pushing forward. Surrounding myself with like-minded individuals and mentors helped me stay focused.

6. Can you share an experience where failure or setback turned into a learning opportunity for you?

During one of our first startup pitches, we didn't secure funding because of a weak business model. Instead of being discouraged, we used the feedback to improve our strategy, leading to later successes in competitions and investor discussions.

7. What advice would you give to current students who are feeling unmotivated or unsure about their future?

It's okay to be unsure, but don't let that stop you from exploring. Take action—join competitions, learn new skills, collaborate with others, and seek mentorship. The more you do, the clearer your path will become.

8. What mindset or habits would you recommend developing to succeed academically and professionally?

- Teamwork – Success is rarely a solo journey.
- Networking – Build meaningful connections with peers, professors, and industry professionals.
- Discipline – Consistency is more important than talent.
- Risk-taking – Don't fear failure; every setback is a learning opportunity.

9. In what ways do you think it's important for students to embrace continuous learning, even after graduation?

Technology and industries evolve rapidly. Continuous learning keeps you relevant, opens new opportunities, and helps you stay ahead in your field.

10. What skills or knowledge areas do you believe are most valuable in today's world, and how can students focus on them?

- Entrepreneurial mindset – Whether you start a business or not, this mindset is valuable in any career.

- AI & automation – The future revolves around these technologies.
- Communication & leadership – These are critical in every profession.
- Financial literacy – Understanding how money works is essential for success.

  Students can develop these by taking online courses, joining clubs, and working on real-world projects.

11. What advice can you give to students about the importance of networking and how to effectively build connections?

    Networking is a game-changer. Attend industry events, connect with alumni, and don't hesitate to contact people on LinkedIn. The right connection can open doors you never imagined.

12. Can you share an inspiring quote, motto, or personal mantra that keeps you going through challenges?

    "Dream big, start small, act now."

13. What one piece of advice would you give to every student who wants to succeed in life?

    Be proactive. Opportunities don't come knocking—you have to go out and create them.

Best regards,

- Ankit Sonawane

IIEDC Report

Pune, Maharashtra, India
IIEDC, Aissms Ioit, GV78+HQ3, near RTO Pune, Railway Officers Colony, Sangamwadi, Pune, Maharashtra 411001, India
Lat 18.551448°
Long 73.866424°
21/02/24 01:55 PM GMT +05:30

AISSMS IOIT, Pune – IIEDC has organized "Startup Fest" to Exhibit-Connect-Collaborate-Market and Show case product/solution. It includes the ASKKi Solution LLP,Spark Innovation ,Diksha Computer Languages and covers the various fields as food, plant, jewellery etc. The event organized on 21-22 February 2024.

IPR Essentials: Enhancing Technology Transfer through Strategic IP Management

IIEDC Report

Incubation Entrepreneurship Development Cell, actively participated at the IIC Regional Meet 2023, held at Dr D Y Patil Vidyapeeth, Pune on 16th Dec 2023

Visit to AIC MIT ADT Loni

Launch of Viksit Bharat @2047 Ideas Portal by Hon'ble PM

IIEDC Report

AISSMS Institute of Information Technology, Pune -Innovations, Incubation – Entrepreneurship Development Cell in association with the Department of Scientific and Industrial Research, Department for Promotion of Industry and Internal Trade, National Intellectual Property Festival-Nurturing Ideas to Innovation, organized a session on, "Lab to Market: Leveraging IP", conducted by Dr. Nitin Tewari, Head IP Group, NCL, Pune on dated 27th July 2023.

IIEDC Report

AISSMS Institute of Information Technology, Pune –Swarda Narote, Suraj Kulkarni, Bhagyashree Kadam, Shekhar Khapte, Pradyumna Sankpal, Students from S. Y. B.Tech (Instrumentation Engineering) won the 3rd Prize in "The IDEATION Challenge Competition" STEM 2023, organized by BOSTON Scientific Technology and Engineering Services Private Limited, Pune on dated 16th October 2023.

AISSMS Institute of Information Technology, in association with BOSTON Scientific, Pune organized "The Ideation Challenge" and "Workshop on Problem Solving and Ideation".

IIEDC Report
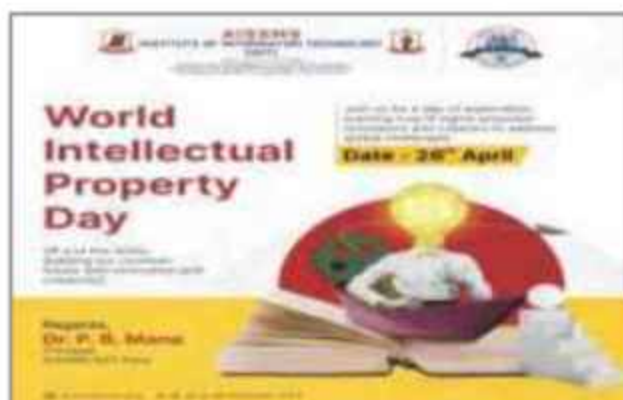
AISSMS IOIT ,IIEDC celebrates World Intellectual Property Day. This year's theme, "IP and the SDGs: Building our common future with innovation and creativity", highlights the crucial role of intellectual property in fostering solutions for a sustainable future.

Hosteze (Akomen Ventures Private Limited), AISSMS IOIT startup, secured runner up and received Rs.20,000 organized by Pragati National level Business Plan Competition organised by SFIT College, Borivali.

Mr. Neeraj Auchar and his team, District level winner in Maharashtra Student Innovation Challenge 2023 organized by Maharashtra State Innovation Society (MSINS)

Department of Instrumentation Engineering

INDUSTRY INSTITUTE INTERACTION

Industrial Visit to PROEXCEL SYSTEMS,Bhosari,
Pune – TE and BE

Industrial Visit to The World Automation,
Pune – SY and BE

Expert Lecture on "PLC Interfacing to HMI and Pneumatic
systems" For TE and BE

Expert Lecture on "Fire and Safety " For SY Btech.

WORKSHOPS

Hands on Workshop on "Applications of LabVIEW in
Engineering" for SY students on 11/3/2024 to 15/3/2024

Hands on Workshop on ""Industrial Automation: PLC and
SCADA" for TE students on 12/02/2024 to 16/02/2024

Department of Instrumentation Engineering

ISTE & ISA ACTIVITIES

"Process of Innovation Development " by Mr. Amit Saxena, Alliance Solutions Pune.

Industry Talk on "Renewable Energy Sources" For BE students.

ROBOTICS CLUB AND TECHNO HEALTH CLUB ACTIVITIES

Robotics Club:- Poster Presentation competition for students on 18/04/2024.

Techno Health Club :- "Poster Exhibition" in celebraton of "World Intellactual Property Day". Based on theme, "IP and the SDGs

ALUMNI ASSOCIATION ACTIVITIES

COFFEE AND CONVERSATION WITH ALUMNUS – Mr. Shreyas Raut &Mr. Dipankar Bhat

Department of Information Technology

TE IT & BE IT Techno Social Visit to Bal Kayan Sanstha, Ganesh Khind road, Pune on 15/09/2023

Coffee and Conversation with Alumni With Mr.Mayur Dokras on 09/08/2023

Expert Lecture on "AI-Powered Student Success: Leveraging ChatGPT for IT Excellence" for TEIT conducted on 13/09/2023 organized by Mrs.P.P.Mahale,Resource person Mr. Sushank Dahiwadkar,Co-Founder and Lead Instructor,Wisdom Sprouts

2 Days Workshop on "Usability Testing and User Experience Evaluation in HCI" for TEIT conducted on 12/09/2023 to 13/09/2023 organized by Mrs.P.P.Mahale, Resource person Mr. Sushank Dahiwadkar,Co-Founder and Lead Instructor,Wisdom Sprouts

Industrial visit at Collin IT Solution, City Vista, Kharadi, Pune for TE-IT on 27/02/2024

Value Added Course on "Harnessing Cyber security and Block chain Technology for Social Media" from 05/02/2024 to 09/02/2024.

Department of Information Technology

Industry talks by Mr. Shahbaz Khan on topic "Web Application Development using Node JS with GitHub Implementation", for SY-IT and TE-IT on 02/04/2024.

Webinar on "Cyber hygiene in HEI" conducted on 03/04/2024 under ACM student chapter.

Expert lecture on " Process of Innovation Development, Technology Readiness Level (TRL) and Commercialization of Lab Technologies and Technology Transfer" By Ankit Sonawane , Friday 16/02/2024, for S.Y. B.Tech , TE-IT & BE-IT

Techno Social visit at Dharmveer Shambhuraje Anathalay, Hadapsar, Pune.Co-ordinated by Ms. J.C. Pasalkar for TE-IT on 15/02/2024.

Industry talk by Ms. Ms. Mansi Kuwadia on topic "Upskilling -Project Management Practices in Animation Projects",for SY-IT on 24/04/2024.

National Level One week online Faculty Development Programme On "Generative AI using ChatGPT" conducted from 15/01/2024 to 19/01/2024

Department of Computer Engineering

Received Best Department Award in the Academic Year
2023-2024

Gautam Patil from Department of Computer Engineering
received Best Outgoing Student Award of AISSMS IOIT
for the Academic Year 2023-2024

T.E. Student developed "Attendance Monitoring App" for
Vidyarthi Sahayyak Samiti, Pune

Shivraj More of T.E Class got the 1st prize for ISTE Best
Innovative project(Degree) Maharashtra and Goa section

Mr. Udayan Taware,SY student developed app for

National level 24-hr techathon organised by Innovation
Foundation. Shivangi .M.Safai and her team named "
Quad Squad" built a project -"Student Grading System"

Department of Computer Engineering

Industrial visit to Auto Cluster Development and Research Institute, Pune.

Industrial Visit to IISER Main Campus , Dr. Homi Bhabha Rd , Pashan, Pune.

Industrial Visit to software technology Park of India(STPI) ,Hinjwadi,Pune

Industrial visit to Indian Institute of Tropical Metrology, Pashan, Pune.

Industrial visit to Archor Infotech Pvt. Ltd , Kothrud, Pune.

Industrial Visit to NITS , Shivajinagar, Pune.

Department of E & TC

SY B.Tech Induction program at E&TC department
04/09/2023.

Industrial visit to Megha Embedded system India Pvt. Ltd ,
Mrs. Mamta Koban and Mrs. Vineeta Philip and TE- A, B
students on 20/09/2023. Organized by Mrs.M.S.Koban.

Industrial visit to TIFR, Coloba, Mr. S. S. Prabhu Photon Lab
Incharge of technology department , Dr. N. S. Warade, Dr. M.
P. Sardey, Mr. M. P. Gajare, Mr. S. R. Kokane and Mr. R. N.
Jadhav, Dr. Garde and TE and M. Tech student on 20/10/2023.
Organized by Dr.N.S.Warade.

Industrial visit to Yamazaki MAZAK Pvt Ltd , Mr Sudhir
Rannavare and his team, Mr V N Ghodke, Mrs D M
Yewale and TE &BE students, organized by

Placement Mock Drive organized in association with Seed
Infotech Pvt Ltd . Mr Ghanshyam Lokare Seed Infotech
and his team, Dr M P Sardey , Mr V N Ghodke and
students of TE E&TC Engineering Department. Organized

Expert lecture for BE(E&TC) on CMOS VLSI
Design by Ms. Renuka Wekhande. Organized by
Dr.S.S.Nikam.

Department of E & TC

E&TC department staff visit to NSS Camp-31/01/2024

Industrial visit to Altruisti Pvt Ltd on 21/ 04/ 24 under corporate readiness program.

Socio Technical Visit to Devtaru Old Age Home on 22/04/24.

PCB design workshop conducted by the students for the students by TESA.

Industrial visit to Vidyavani FM studio on 7/05/2024, Pune Organized by- Dr. V. K. Bairagi Mr.R.N.Jadhav

Industrial visit to Esbee Electrotech LLP, Bhosari, MIDC, Pune on 01/03/2024 Organized by -Ms. D. M. Yewale,Mr. V.N. Ghodke Dr. Vineeta Philip

Department of Electrical Engineering

INDUSTRY INSTITUTE INTERACTION

Industrial Visit to Jejuri Substation – SYBTECH

Expert lecture on Electrical Safety

POWER QUALITY CELL ACTIVITIES

PQ Audit , Students accompanying PQ cell IN charge Mr. S. V. Shelar

WORKSHOPS

Hands on Workshop on Component identification and testing for SY Electrical on 4/11/2023 and 5/11/ 2023

Session during the PLC AND SCADA workshop 10/10/2023 to 14/10/2023

ISTE and IE (I) Activities

ELECTRO FUNDA 25/04/2024

Project Competition 15/04/2024

Department of Electrical Engineering

RENEWABLE CLUB ACTIVITIES

Celebration of Akshay Urja Diwas. Expert Talk by Mr. Sunay Shah, 20/08/2023

Celebration of Energy Conservation Day. Expert Talk by Dr. Santosh Patani, 14/12/2023

EESA Activities

Teacher's DayCelebration　　　　　　　　ENTHUSIA EVENT

ALUMNI ASSOCIATION ACTIVITIES

COFFEE AND CONVERSATION WITH ALUMNUS – Mr. Karan MAhajan and Mr. Alok Kumar

Department of Artificial Intelligence & Data Science

Industrial visit of TE class to Vigyan Ashram, Pabal dated 12/09/2023.

Industrial visit of S.Y class to Indian Institute of Tropical Meteorology(IITM),dated 13/09/2023.

Expert Lecture on "Network Layer Protocols" for TE Students By Mrs. Preeti Satyavali dated 21/08/2023

Expert Lecture on "Expert Systems and Artificial Intelligence" for TE Students By Mr. Shahbaz Khan dated 31/08/2023.

Empowering students through IEEE Membership program dated 08/08/2023

Event on " Robotic Process Automation" conducted dated 28/08/2023 by ISTE

Department of Artificial Intelligence & Data Science

Expert Lecture on "Digital Responsibility and Carbon Footprints" for TE Students By Mr. Ajit Pitlellu dated 04/08/2023.

Expert Lecture on "Ethical considering in AI & Data science for Bioinformatics" for BE Students By Mr. Sameer S. Shete dated 14/09/2023

Inauguration Ceremony of Department of Artificial Intelligence and Data Science Centre of Excellence "Drone Academy by CEREBROSPARK INNOVATIONS, Pune ", "ADVIT AI Labs", "Oracle Academy" by Hon. Chief Guest Shri. Chandrakant Patil (Minister of Higher and Technical Education Government of Maharashtra) presided by Shri.Siddharth Shirole (MLA Shivajinagar onstituency ,Pune,Maharashtra) along with Oracle South Asia Head Ms.Anuradha Sharma , under guidance of Honorary Secretary of AISSMS IOIT Hon'ble Shri Malojiraje Chhatrapati dated on 23.07.2023

AI&DS Department received Best Department award on occasion of Teachers Day dated 07/09/2023, Dr. S.V. Limkar received Best HOD award, Best GFM award for SE A Division received by Mrs. S. A. Belhe.

Department of Artificial Intelligence & Data Science

Won First Prize in Think Tank Competition Organized by Lets Enterprise Pune dated 31/01/2024, Pabal dated 12/09/2023.

Won First Runner up Prize in National Level Business Plan Competition Organized by Pragati dated 15/03/2024

Won 2rd Prize in Project Competition Organized by Sinhgad College of Engineering, Pune dated 16/02/2024

Expert lecture on Generative AI & its importance in Industry for BE Students.

Department of First Year Engineering

Expert lecture on Design Thinking For Engineering Students on dated 02/12/2023.

Katraj Dairy Visit on dated 04/12/2023.

DESSA'S Talent Show on dated 11/12/2023.

College Rivals Event from 20/12/2024 to 22/12/2024.

Expert Lecture on "Project Development and Entrepreneurship", dated 24/01/2024.

MSME Defense Expo on dated 25/02/2024.

Department of First Year Engineering

Visit to Mula Mutha River Rejuvenation Project Site Pune,
Sangamwadi, on dated 26/02/2024.

Dessa Inauguration program on dated 07/02/2024.

DESSA Athletics Sports Event on dated 05/02/2024.

DESSA Live Class on Financial Intelligence by FinFit Education,
dated 26/02/2024.

Rhetorical Rumble: DESSA's Debate Competition on dated
28/02/2024.

DESSA's No Bag Day Event on dated 15/03/2024.

Department of First Year Engineering

DESSA Sports Championship from 08/04/2024 to 22/04/2024.

Expert lecture on "Recent Trends in Automation and Industrial IoT", dated 10/05/2024.

National Level Project Competition 2024.

Poster Making Competition on the occasion of World Water day 23 march 2024.

Coffee and conversation with Alumni - Anand Gundecha on dated 27/3/2024.

Expert Lecture On "Indian Knowledge System NEP: 2020", dated 01/04/2024.

Department of First Year Engineering

Coffee and conversation with Alumni - Gaurav S Sonavane on dated 10/05/2024.

Expert Lecture On " Shining a light on chemical bonds : Exploring UV - Visible and IR Spectroscopy for FY Btech. - Mr. Tejansh Chandole-Chief publishing Officer Science matters.

Signed MoU with SIILC, SAKAL for organizing "Landscape designing" online course - Staff members involved Mrs. G. N. Mawale, Mr. M. B. Nigade, Mr. A. H. Raheja, Mr. A. S. Apate, Dr. Pritam Saha, on dated 01/04/2024.

TOURISM CLUB
Annual Report of Tourism Club Academic Year:2023-24

Tourism Club Inauguration 06/11/2023

Bhimashankar Tour 02/12/2023

Bhimashankar Tour 02/12/2023

River Paradise Tour 10/02/2024

Alibag Tour 06/04/2024

Alibag Tour 06/04/2024

i Connect Meet 2024

i Connect Meet 2024

Legacy Run Marathon

Legacy Run Marathon organized by All India Shree Shivaji Memorial Society Pune and Deccan Sports Club Kolhapur concluded with great enthusiasm

Pune: The Legacy Run Pune marathon organized by All India Shri Shivaji Memorial Society Pune and Deccan Sports Club Kolhapur on the occasion of Silver Jubilee of Institute of Information Technology of All India Shri Shivaji Memorial Society was held yesterday. (January 14) was held. This marathon was organized with the main objective of creating a competitive environment and creating awareness among the citizens in terms of good health. Citizens from all over Maharashtra participated enthusiastically in this marathon held in Shivajinagar area of Pune city.

A.I.S.S.M.S. in Shivajinagar, Pune. The marathon started from the college premises. In the competition for 5 km 'A.I.S.S.M.S. Runners ran from College to Bund Garden' through an assured route. The Legacy Run Pune Marathon was held in four age groups: 14 to 30 years, 31 to 40 years, 41 to 50 years and above 51 years. T-shirts were given to the runners participating in the marathon. Also, breakfast, medical and physio support were also provided during the marathon. A total of 50 volunteers were working on the marathon route. "It is with great joy that the marathon to improve the health of the citizens and create harmony at the beginning of the New Year has been successfully completed", said Honorary Secretary of All India Shri Shivaji Memorial Society. Malojiraje Chhatrapati expressed his appreciation and gratitude to the organizers as well as to all those who played an important role in making this marathon a success.

On the occasion of the marathon, Chief Editor of Sakal Newspaper Mr. Samrat Phadnis also participated in this marathon and ran along the established route with the runners. He also encouraged and congratulated the runners.

Deccan Sports Club Director Mr. Sameer Chaugule appreciated the determination of the participating runners and expressed his opinion on the positive impact of such activities on the society. Principal of Institute of Information Technology Dr. P.B. Mane also appreciated the runners and thanked them for their valuable contribution to this initiative of the organization. Mrs. Shasha Shelke, Mrs. Dipali More and media team also got support for this marathon.

Lokmat, Pune Metro, Ruby Hall Clinic, D.E. This marathon, which was completed in collaboration with the society's Brijlal Jindal College of Physiotherapy, Sancheti Hospital and Sancheti Academy, became important in terms of good health and harmony among themselves. Journalists also participated enthusiastically on the occasion of this marathon. Like the runners, the enthusiasm of the journalist brothers was worth seeing. The organizers also thanked Hiriri for his participation in this marathon.

Legacy Run Marathon

Legacy Run Marathon

Legacy Run Marathon

PRINT MEDIA

रौप्य महोत्सवानिमित्त 'लिगसी रन पुणे' मॅरेथॉन स्पर्धेचे आयोजन

(Marathi newspaper article text — illegible)

IOIT Legacy Run News in Punya Nagari - 22nd Dec 2023

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building was not commissioned by January 1 next year.

CITY DIGEST

Legacy Run Pune marathon in Jan

The All India Shri Shivaji Memorial Society with the Deccan Sports Club will organise Legacy Run Pune marathon on January 14, in commemoration of the silver jubilee of the Institute of Information Technology. The marathon will feature a 5km run and a 10km run.

GIPE VC Ranade opens conference for CAs

IOIT LegacyRun News in Times of India - 26th Dec 2023.

लोकमत

स्मार्ट कम्प्युटिंग, इन्फॉर्मेटिक्स विषयावर आंतरराष्ट्रीय परिषद

(Marathi newspaper article text — illegible)

Pune Mai
Page No. 4   Mar 12, 2024
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IOIT News in Lokmat 12th March 2024

QUICK NEWS

नवाचार को बढ़ाने सत्र आयोजन

पुणे, नवाचार और तकनीकी ज्ञान को बढ़ाने के उद्देश्य से सेंटर फॉर डेवलपमेंट ऑफ एडवांस्ड कंप्युटिंग (सीडीएसी), पुणे मैनेजमेंट एसोसिएशन (पीएमए) ने हाल ही में एक व्यापक बौद्धिक संपदा अधिकार (आईपीआर) सत्र का आयोजन किया था. इस सत्र में मुख्य अतिथि के रूप में डॉ. अनिर्बान सरकार उपस्थित थे. इसके साथ ही इस थीम पर प्रमुख प्रवर्तक के परिमल खाडे, सीडीएसी पुणे के प्रदीप तुर्ये, पीएमए के उपाध्यक्ष सुरेश शिंदे, एआईएसएसएमएस सोसायटी के मानद सह सचिव अजय पाटील आदि उपस्थित थे. इस थीम पर तेजी से विकसित हो रहे तकनीकी क्षेत्र में बौद्धिक संपदा की रक्षा के महत्व पर प्रकाश डाला. इस थीम पर परबीज कुट्रोली, डिजिटल एसेसिएट, खुरुना एंड खुरुना और आईआईटीआईआरटी,

IOIT News in Navbharat 24th March 2024

PRINT MEDIA

प्रभात

'एआयएसएसएमएस'तर्फे १४ जानेवारीला लीगसी रन पुणे मॅरेथॉन स्पर्धा

IOIT News in Prabhat 17th Dec 2023

पेटंटवरील कार्यशाळेला प्रतिसाद

पुणे : नवोन्मेष आणि ज्ञानाची देवाणघेवाण वाढविण्याच्या उद्देशाने सेंटर फॉर डेव्हलपमेंट ऑफ ॲडव्हान्स्ड कॉम्प्युटिंग अर्थात सीडॅक आणि पुणे मॅनेजमेंट असोसिएशनने नुकतेच एआयएसएसएमएस आयओआयटीमध्ये सर्वसमावेशक बौद्धिक संपदा हक्क सत्र पार पडले. या कार्यक्रमास प्रमुख पाहुणे म्हणून डॉ. अनिर्बान सरकार यांच्यासह सीडॅकचे प्रकल्प व्यवस्थापक पतिमल खाडे, एआयएसएसएमएसचे मानद महासचिव सुरेश शिंदे, खासदार अजय पाटील आदी उपस्थित होते. बौद्धिक संपदा अधिकाराच्या विविध प्रमुख क्षेत्रामध्ये तज्ञ असलेल्या वक्त्यांनी उपस्थितांना मार्गदर्शन केले. एआयएसएसएमएस आयओआयटी महाविद्यालयाचे प्राचार्य डॉ. पी. बी. माने यांचे मार्गदर्शन लाभले.

IOIT News in Pudhari 24th March 2024

एआयएसएसएमएस आयओआयटीत परिषद उत्साहात

• पुणे - एआयएसएसएमएस आयओआयटी महाविद्यालयात आयईईई-इमर्जिंग स्मार्ट कंप्युटिंग और इन्फोर्मेटिक्स-हिसकॉलॉजी -२०२४ विषयावर सहावी आंतरराष्ट्रीय परिषद आयोजित करण्यात आली होती. एआयएसएसएमएस सोसायटीचे खजिनदार अजय पाटील, आयईईई पुणे विभाग अध्यक्ष डॉ. अमर बुधाडे, परिषद अध्यक्ष डॉ विवेक देशपांडे, एमआयटीआय (परभटपाली होली) आयईईई पुणे विभाग अध्यक्ष जगदीश चौधरी यांच्या हस्ते उद्घाटन पार पडले.

IOIT News in Panyanagari - 17th March 2024

PRINT MEDIA

एआयएसएसएमएस महाविद्यालयात परिषद

पुणे : एआयएसएसएमएस आयओआयटी महाविद्यालयात 'आयसीईई- इमर्जिंग स्मार्ट कॉम्प्युटिंग अँड इन्फर्मेटिक्स ईएससीआय' विषयावर आंतरराष्ट्रीय परिषद झाली. परिषदेच्या उद्घाटनासाठी डॉ. दीपक घर उपस्थित होते. त्यांनी 'संख्याशास्त्राचा वापर आणि गैरवापर' विषयावर मार्गदर्शन केले. चीन, इराक, अमेरिका, तुर्की, श्रीलंका या देशांमधून आलेल्या १,४५७ शोधनिबंधांपैकी निवडक १९३ शोधनिबंध सादर केले.

IOIT News in Sakal - 12th March 2024

'एआयएसएसएमएस' तर्फे मॅरेथॉन

पुणे : आंत इंडिया श्री शिवाजी मेमोरिअल सोसायटीज्या (एआयएसएसएमएस) इन्स्टिट्यूट ऑफ इन्फर्मेशन टेक्नॉलॉजी या महाविद्यालयाच्या रौप्यमहोत्सवानिमित्त 'तौगसी रन' या मॅरेथॉनचे आयोजन करण्यात आले आहे. 'एआयएसएसएमएस' आणि डेक्कन मॉर्डर्स क्लब कोल्हापूर यांच्या वतीने १४ जानेवारी २०२४ रोजी मॅरेथॉन होईल. महाविद्यालयाच्या परिसरापासून सुरू होणारी मॅरेथॉन ५ आणि १० किलोमीटर अशा दोन प्रकारांत पार पडेल. स्पर्धात्मक वातावरण निर्माण करणे, तसेच नागरिकांच्या सुदृढ आरोग्याची जनजागृती हा आयोजनामागचा हेतू आहे. गावातून पाच हजारांहून अधिक धावपटू सहभागी होतील, अशी अपेक्षा असून, मॅरेथॉन चार क्याेगरीत विभागण्यात आली आहे. सहभागी धावपटूंना गुडी बॅग, टी शर्ट, फिनिशर मेडल, ई-सर्टिफिकेट, नाश्ता, मेडिकल तसेच किर्तजो सपोर्ट दिला जाणार असल्याचे संयोजकांतर्फे कळविण्यात आले आहे.

IOIT News in Sakal - 17th Dec 2023

'सी-डॅक' बौद्धिक संपदा हक्क सत्राला उत्स्फूर्त प्रतिसाद

IOIT News in Sakal 24th March 2024

CITY DIGEST

Successful IPR session held

The Centre for Development of Advanced Computing, AISSMS Institute of information technology and Pune Management Association recently organised a Intellectual Property Rights session.

IOIT News in Times of India 1st Apr 2024

Department of Instrumentation Engineering

Department of Information Technology

Department of Computer Engineering

BE_A

Department of Computer Engineering

BE_B

Department of Electronics & Telecommunication Engineering

BE_A

Department of Electronics & Telecommunication Engineering

BE_B

Department of Electrical Engineering

Department of Artificial Intelligence and Data Science

Division_A

Department of Artificial Intelligence and Data Science

Division_B

Department of First Year Engineering

Teaching Staff Member

Non-Teaching Staff Member

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२०२३-२४ च्या वार्षिक अहवालातील ठळक मुद्दे

हे वर्ष संस्थेचे रौप्यमहोत्सवी वर्ष म्हणून साजरे केले जात आहे. हा मोठा टप्पा साजरा करण्यासाठी विविध कार्यक्रमांचे आयोजन करण्यात आले होते.

एआयएसएसएमएस आयओआयटी :

- संस्थेला २०२३-२४ साठी सावित्रीबाई फुले पुणे विद्यापीठाकडून शहरी भागातील व्यावसायिक अभ्यासक्रमांसाठी सर्वोत्कृष्ट महाविद्यालयाचा पुरस्कार मिळाला.

- ग्रीन रँकिंग २०२३ मध्ये भारताच्या शाश्वत संस्थांद्वारे आर जागतिक संस्थात्मक क्रमवारीत गोल्ड बँड (ए ग्रेड) प्राप्त झाला.

- नॅशनल इन्स्टिट्यूट रँकिंग फ्रेमवर्क एन आय आर एफ इनोव्हेशन रँकिंग २०२३ नुसार कॉलेज १५७ व्या क्रमांकावर आहे.

- २०२३ च्या 'आउटलुक' रँकिंगमध्ये, भारतातील उच्च खाजगी अभियांत्रिकी महाविद्यालयांमध्ये १०० व्या क्रमांकावर आहे.

- ब्रेनोव्हिजन सोल्युशन्सने एआयसीटीई च्या सहकार्यनि सादर केलेल्या क्लाउड इन्फ्रास्ट्रक्चरवरील ग्राउंड ब्रेकिंग राष्ट्रीय स्तरावरील फॅक्लटी डेव्हलपमेंट प्रोग्रामसाठी होस्ट कॉलेज म्हणून योगदानाबद्दल प्रशंसा प्रमाणपत्र प्राप्त केले ज्याने जास्तीत जास्त सहभागींसाठी, इंडिया बुक ऑफ रेकॉर्ड्स २०२३ मध्ये स्थान मिळवण्यासाठी ब्रेनोव्हिजनला मदत केली.

- ए. सी.एम विद्यार्थी चॅप्टरला २०२३ सालासाठी ए.सि.एम इंडिया चॅप्टरकडून रु. ४०००० च्या कौतुक रकमेसह उत्कृष्ट समुदाय सेवा पुरस्कार प्राप्त झाला. डॉ.एम.ए. थालोर, एचओडी, माहिती तंत्रज्ञान यांनी पुरस्कार स्विकारला.

- हॅम रेडिओ प्रकल्पाचा शुभारंभ श्री. दीपक केसरकर, शिक्षण मंत्रालय व मराठी भाषा मंत्रालयाचे कॅबिनेट मंत्री आणि श्री मालोजीराजे छत्रपती, सचिव एआयएसएसएमएस सोसायटी पुणे यांच्या हस्ते १ मे २०२३ रोजी कोल्हापूर येथे झाला.

- महाविद्यालयात राष्ट्रीय-स्तरीय कार्यक्रम ॲलेक्रिटी यशस्वीरीत्या पार पडला. ज्यामध्ये विविध सांस्कृतिक, तांत्रिक आणि क्रीडा स्पर्धांचा समावेश होता. अभिनेते सिद्धार्थ चांदेकर प्रमुख पाहुणे म्हणून उपस्थित होते.

टीचिंग स्टाफ अचिव्हमेंट आणि अवॉर्ड्स:

- डॉ. मोहिनी सारडे, एचओडी, ई अँड टीसी अभियांत्रिकी यांना आय एस टी ई क्रिया प्रकल्पातील उत्कृष्ट योगदानासाठी सर्वोत्कृष्ट शिक्षक म्हणून पुरस्कार मिळाला.

- डॉ. एस. व्ही. लिमकर यांना दुबई, यु ए ई. येथे, ३-४ जानेवारी २०२४ रोजी झालेल्या ८ व्या आंतरराष्ट्रीय कॉन्फरन्स ऑन इन्फॉर्मेशन सिस्टम डिझाईन आणि इंटेलिजेंट ॲप्लिकेशन्स (आय एस डी आय ए २०२४), मध्ये त्यांच्या एनहॅन्सिंग मेडिकल इमेजिंग डायग्नोसिस विथ डीप लर्निंग अँड बायेसियन ऑप्टिमायझेशन या शीर्षकासाठी सर्वोत्कृष्ट पेपरचा पुरस्कार मिळाला,

- आयटी विभागातील सहाय्यक प्राध्यापक श्री. विकास देसाई यांनी नागपूर येथे झालेल्या ५० व्या महाराष्ट्र राज्यस्तरीय वरिष्ठ ज्युडो चॅम्पियनशिपमध्ये कांस्य पदक जिंकले.

विद्यार्थ्यांची अचिव्हमेंट (सह-अभ्यासक्रम/अभ्यासक्रमेत्तर/क्रीडा):

- ई अँड टीसी चा विद्यार्थी नीरज औचर आणि त्यांच्या टीमने स्मार्ट गव्हर्नमेंट डोमेनमध्ये महाराष्ट्र सरकारने आयोजित केलेले एम एस आय सी चॅलेंज जिंकले. त्यांना एक लाख रुपयांचे बक्षीस जाहीर करण्यात आले.

- ई अँड टीसी चा विद्यार्थी अंकित सोनवणे याला प्रतिष्ठित उत्कृष्ट विद्यार्थी (पदवी स्तर) आणि संगणक विद्यार्थी शिवराज मोरे याला आय एस टी ई महाराष्ट्र-गोवा विभाग पुरस्कार-२०२३ द्वारे प्रतिष्ठित सर्वोत्कृष्ट नाविन्यपूर्ण प्रकल्प (पदवी स्तर) ने सन्मानित करण्यात आले.

- उमर अन्वर शेखची राष्ट्रीय स्तरावरील बॉक्सिंग स्पर्धेसाठी निवड झाली.

- एस वाय आय टी चा विद्यार्थी यश चव्हाण याला विश्वनाथ कराड (संस्थापक एम आय टी- डब्लु पी यु) यांच्या

- हस्ते रोटरी आणि एम आय टी- डब्लु पी यु युवा नेतृत्व पुरस्कार मिळाला.

- एस वाय आय टी चा विद्यार्थी यश चव्हाण याने विविध स्पर्धांमध्ये बक्षिसे पटकावली जसे- कै. राजकमलजी भारती वक्तृत्व स्पर्धेत प्रथम पारितोषिक, मुक्त वय कविता स्पर्धेत प्रथम पारितोषिक, मुक्त वय वादविवाद स्पर्धेत तृतीय पारितोषिक आणि राज्यस्तरीय आंतरमहाविद्यालयीन वक्तृत्व स्पर्धेत प्रथम पारितोषिक.

- कॉम्प्युटर विभागाचा विद्यार्थी चेतन अग्रवाल हा फायर अँड सिक्युरिटी असोसिएशन ऑफ इंडियाने आयोजित केलेल्या स्टुडंट प्रोजेक्ट ऑफ द इयरचा विजेता ठरला.

६ वी आंतरराष्ट्रीय परिषद (ई एस सी आय २०२४):

एआयएसएसएमएस आयओआयटी कॉलेज पुणे येथे ''६ वी **आयईईई** - इमर्जिंग स्मार्ट कॉम्प्युटिंग आणि इन्फॉर्मेटिक्स - ई एस सी आय २०२४'' या विषयावरील आंतरराष्ट्रीय परिषद यशस्वीरित्या पार पडली. तीन दिवसीय आंतरराष्ट्रीय परिषदेचे उद्घाटन (०५ ते ०७ मार्च २४) डॉ. दीपक धर, पद्मभूषण २०२३, प्रतिष्ठित एमेरिटस प्राध्यापक, भारतीय विज्ञान शिक्षण आणि संशोधन आय आय एस ई आर, पुणे यांच्या हस्ते झाले. महाविद्यालयाने संशोधक, अभियंते आणि अभ्यासकांना स्मार्ट कॉम्प्युटिंग, इंटरनेट ऑफ थिंग्ज आणि इमेज आणि सिग्नल प्रोसेसिंग या विषयांवर पेपर सबमिट करण्यासाठी आमंत्रित केले होते. ही आंतरराष्ट्रीय परिषद हायब्रीड पद्धतीने आयोजित करण्यात आली होती, म्हणजे ऑनलाइन तसेच ऑफलाइन प्लॅटफॉर्म वापरून. परिषदेच्या वर नमूद केलेल्या तीन ट्रॅकसह ६ प्री-कॉन्फरन्स ट्युटोरियल्स आणि १४ विशेष सत्रे होती. परिषदेत सहभागी होण्याच्या आवाहनाला प्रतिसाद म्हणून या परिषदेसाठी जगभरातून जसे की चीन, इराक, यूएसए, तुर्की श्रीलंका इ. एकूण १४५७ शोधनिबंध प्राप्त झाले होते, त्यापैकी निवडक १९२ शोधनिबंध सहभागींनी सादर केले.

शैक्षणिक उत्कृष्टता (रिझल्ट २०२२-२३):

संस्थेच्या शैक्षणिक वर्षातील सावित्रीबाई फुले पुणे विद्यापीठ, पुणे तर्फे घेण्यात आलेल्या परीक्षेतील शैक्षणिक कामगिरी पुढीलप्रमाणे-

- बी ई इलेक्ट्रिकल इंजिनिअरिंग- ८८.८९%,
- बी ई इलेक्ट्रॉनिक्स आणि दूरसंचार -८९.३५%
- बी ई इंस्ट्रुमेंटेशन इंजिनिअरिंग- ९१.६७%
- बी ई संगणक अभियांत्रिकी- ९९.३७%
- बीई माहिती तंत्रज्ञान- १००%

कॅम्पस प्लेसमेंट :

बी ई च्या एकूण ४५८ विद्यार्थ्यांना आजपर्यंत १८ लाखांच्या सर्वोच्च पॅकेजसह नोकरी मिळाली. २७८ कंपन्यांना

जसे की हेवलेट पॅकार्ड, टीसीएस, **कॉग्निझंट**, टेकमहिन्द्रा, वोडाफोन, इमर्सन, किर्लोस्कर न्युमेटिक इ कंपन्यांनी संस्थेला भेट दिली.

संशोधन आणि विकासः

एआयएसएसएमएस आयओआयटी, पुणे, संशोधन आणि विकास (R&D) मध्ये नाविन्य आणि उत्कृष्टतेची प्रेरणा म्हणून उभी आहे. प्रभावी ट्रॅक रेकॉर्डसह, संस्थेने विविध डोमेनवर उल्लेखनीय कामगिरी दाखवली आहे. ज्ञान वाढवण्याची त्यांची वचनबद्धता त्यांच्या विस्तृत प्रकाशन आउटपुटद्वारे स्पष्ट होते, त्यांच्या श्रेयासाठी एकूण १८३ पेपर आहेत. विशेष म्हणजे, त्यांच्या संशोधनाची क्षमता अधोरेखित करणारे १३ शोधनिबंध एस सी आय जर्नल्समध्ये प्रकाशित झाले आहेत. शिवाय, त्यांचे योगदान स्कोपस अनुक्रमित जर्नल्समध्ये विस्तारित आहे, ८९ पेपर्ससह, आणि यु जी सी सूचीबद्ध जर्नल्समध्ये, ३३ पेपर्ससह. नवोन्मेषावर संस्थेचे लक्ष त्यांच्या पेटंट क्रियाकलापांद्वारे अधोरेखित झाले आहे, २३ पेटंट दाखल केले आहेत, ३० पेटंट प्रकाशित झाले आहेत आणि १९ मंजूर झाले आहेत, जे बौद्धिक संपत्तीमध्ये महत्त्वपूर्ण योगदान दर्शविते. याव्यतिरिक्त, संस्थेने ११ पुस्तके आणि १ पुस्तक प्रकरण प्रकाशित करून ज्ञान प्रसारात लक्षणीय प्रगती केली आहे. बौद्धिक मालमत्तेचे संरक्षण करण्यासाठी त्यांचे समर्पण ३ कॉपीराइट्सच्या संपादनातून दिसून येते. शिक्षणाच्या पलीकडे, संस्थेने सल्लागार सेवा, एक्स वाय प्लॉटर, एसव्हीआर इन्फोटेक, पुणेसाठी कार्टेशियन प्लॉटर आणि विविध उद्योगांसाठी पॉवर क्वालिटी ऑडिट यासारख्या विविध गरजांची पूर्तता करून उद्योगात मूर्त प्रभाव पाडला आहे. त्यांच्या पट्ट्याखाली २३ प्रायोजित प्रकल्प आहेत.

उत्कृष्टता केंद्र (सेंटर ऑफ एक्सलन्स):

आर्टिफिशियल इंटेलिजन्स आणि डेटा सायन्स विभागाने सेंटर ऑफ एक्सलन्स सेरेब्रोस्पार्क इनोव्हेशन्स, पुणे द्वारा ड्रोन अकादमी, एडीव्हीआयटी लॅब्स, आणि ओरॅकल अकादमी सुरू केली आणि त्याचे उद्घाटन मा. प्रमुख पाहुणे श्री. चंद्रकांत पाटील (महाराष्ट्र शासनाचे उच्च व तंत्रशिक्षण मंत्री) , श्री.सिद्धार्थ शिरोळे (आमदार) यांच्या हस्ते दि. २७/०३/२०२३ रोजी झाले.

सामंजस्य करारः

संस्थेने सुमागो इन्फोटेक प्रायव्हेट लिमिटेड, व्होडाफोन इंटेलिजेंट सिस्टम्स (व्हीओआयएस), महाराष्ट्र नॉलेज कॉर्पोरेशन लिमिटेड (एमकेसीएल), महावितरण-देवम प्रोजेक्ट्स-एमएसई, यूआयपाथ अकादमी, ओरॅकल अशा विविध उद्योगांशी एकूण २४ सामंजस्य करारांवर कार्यशाळा, तज्ञ व्याख्याने, औद्योगिक प्रशिक्षण, प्रकल्पांसाठी प्रायोजकत्व आणि इंटर्नशिप आणि प्लेसमेंटची व्यवस्था करण्यासाठी स्वाक्षरी केली.

आय- कनेक्ट मीटः

रौप्य महोत्सवी सोहळ्याच्या निमित्ताने एआयएसएसएमएस आयओआयटीने १९ जानेवारी २०२४ रोजी पुणे मॅनेजमेंट असोसिएशनद्वारे समर्थित सीड इन्फोटेकच्या सहकायनि एआयएसएसएमएस आयओआयटी आय- कनेक्ट मीट २०२४ चे आयोजन केले. या मेळाव्याची थीम होती ''भरतीमधील भविष्यातील आव्हाने.''

आय आय ई डी सी उपक्रमः

- एआयएसएसएमएस आयओआयटी, पुणे यांनी १५ फेब्रुवारी २०२४ रोजी त्यांच्या आय आय ई डी सी अंतर्गत प्रभावी उद्योजक बैठक-२०२४ आयोजित केली.

- एआयएसएसएमएस आयओआयटीने इनोव्हेशन फाउंडेशन, पुणे आणि ब्रेन-ओ-व्हिजन सोल्युशन्स प्रा.लि. यांच्या संयुक्त विद्यमाने इनोव्हेट यू टेकथॉन २०२४ चे आयोजन दि. १७ आणि १८ फेब्रुवारी, २०२४ रोजी केले . संपूर्ण भारतातील ९+ राज्यांतून आलेल्या ८०० हून अधिक नवसंशोधकांच्या सहभागासह एकूण ४ लाख+ रकमेचा पुरस्कार विजेत्यांना देण्यात आला. कार्यक्रमाच्या समारोपाला एस पी पी यु कुलगुरू, डॉ.सुरेश गोसावी, व एआयएसएसएमएस सोसयटीचे मानद सचिव मा. श्री. मालोजीराजे राजे, उपस्थित होते.

- एआयएसएसएमएस आयओआयटी, पुणे - आय आय ई डी सी ने २१ आणि २२ फेब्रुवारी २०२४ रोजी

प्रदर्शन-कनेक्ट-कॉलाबोरेट-मार्केट आणि शो केस प्रॉडक्ट/सोल्यूशनसाठी स्टार्टअप फेस्ट आयोजित केले.. यामध्ये आस्की सोल्यूशन एल एल पी, स्पार्क इनोव्हेशन, दीक्षा कॉम्प्युटर लँग्वेजेस यांनी सहभाग घेतला.अत्र, वनस्पती, दागिने इत्यादी विविध क्षेत्रांचा यात समावेश होता.

- सी डॅक, पुणे मॅनेजमेंट असोसिएशन आणि एआयएसएसएमएस आयओआयटी, पुणे यांच्या संयुक्त पुढाकाराने १३ मार्च २०२४ रोजी आय पी आर ईसेन्शीयल्स:एन्हन्सिंग टेक्नोलोजि ट्रान्स्फर थ्रु स्ट्रॅटेजिक आय पी मॅनेजमेण्ट या विषयावर एक दिवसीय कार्यशाळा आयोजित करण्यात आली. एकूण ८६ सहभागींनी बौद्धिक संपदा अधिकारांच्या विविध पैलूंमध्ये तज्ञ असलेल्या स्पीकर्सच्या विविध पॅनलमधून मौल्यवान अंतर्दृष्टी प्राप्त केली. डेक्लीप टेक्नॉलॉजीज एल एल पी चे अध्यक्ष आणि व्यवस्थापकीय संचालक डॉ. अनिर्बन सरकार यांच्या उपस्थितीत हा कार्यक्रम संपन्न झाला.

हॅकाथॉन २०२४:

ई अँड टीसी अभियांत्रिकी विभागाने आय एस टी ई, ,एआयसीटीई, शिक्षण मंत्रालय आणि ब्रेन-ओ-व्हिजन सोल्युशन्स प्रा.लि., हैदराबाद च्या सहकायनि पाच दिवसांचे (०९/१०/२०२३ ते १३/१०/२०२३) 'डेटा सायन्स- एक एस डी जी (शाश्वत विकास उद्दिष्टे)- स्टार्ट-अप्ससाठी ३ दिवसीय कार्यशाळा +२४ तास हॅकाथॉन कार्यक्रमाचे आयोजन केले.

लेगसी रन मॅरेथॉन:

ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटी पुणे आणि डेक्कन स्पोर्ट्स क्लब कोल्हापूर यांच्या वतीने इन्स्टिट्यूट ऑफ इन्फॉर्मेशनच्या रौप्यमहोत्सवी वर्षानिमित्त १४ जानेवारी २०२४ रोजी लेगसी रन पुणे मॅरेथॉनचे आयोजन करण्यात आले होते.

विद्यार्थी विकास संघटना:

एस डी ओ ने नशा मुक्त भारत अभियान, मतदार नोंदणी, सेल्फी विथ माती वर्ल्ड रेकॉर्ड, अमृत कलश यात्रा इत्यादी कार्यक्रम यशस्वीरित्या पार पाडले. याना एकूण रु. १७७८००/-अनुदान मिळाले.

राष्ट्रीय सेवा योजना (एन एस एस):

राष्ट्रीय सेवा योजनेंतर्गत आमच्या संस्थेतील १५० विद्यार्थ्यांनी या शैक्षणिक वर्षासाठी नोंदणी केली होती. जागतिक रक्तदाता दिन, जागतिक योग दिन, जागतिक पर्यावरण दिन, वृक्षारोपण, एनईपी जनजागृती, स्वच्छता मोहीम अशा विविध कार्यक्रमांचे आयोजन एनएसएसच्या विद्यार्थ्यांनी केले होते. एन एस एस सात दिवसीय विशेष हिवाळी शिबिराचे आयोजन बेलसर ता. पुरंदर, जिल्हा पुणे येथे २७/०१/२०२४ ते ०२/०२/२०२४ पर्यंत केले होते. या शिबिरात एकूण ७५ विद्यार्थी स्वयंसेवक सहभागी झाले होते. या सात दिवसीय शिबिर कार्यक्रमांतर्गत गावातील विविध सार्वजनिक ठिकाणांची स्वच्छता करून करिअर मार्गदर्शन, आरोग्य जागृती, महिला सक्षमीकरण व व्याख्यान आयोजित करण्यात आले तसेच शासकीय डॉक्टरांकडून विद्यार्थ्यांमध्ये आभा कार्डचे प्रबोधन करण्यात आले. रौप्य महोत्सवी उत्सवाअंतर्गत एनएसएसने पुण्याभोवती २५०० झाडे लावली.

या संस्थेला तंत्रशिक्षणाच्या क्षेत्रात आपला ठसा उमटवण्यासाठी केलेल्या मार्गदर्शन व सहकार्यासाठी मी व्यवस्थापनाचे मनापासून आभार मानू इच्छितो.

डॉ.पी.बी.माने
प्राचार्य

AISSMS
INSTITUTE OF INFORMATION TECHNOLOGY
(IOIT)

ADDING VALUE TO ENGINEERING
An Autonomous Institute Affiliated to Savitribai Phule Pune University
Approved by AICTE, New Delhi and Recognised by Govt. of Maharashtra
Accredited by NAAC with "A+" Grade | NBA - 5 UG Programmes

HIGHLIGHTS OF ANNUAL REPORT 2023-24

This Year is celebrated as Silver Jubilee year of the institute. Various programs were organized to mark the big milestone.

AISSMS IOIT Rankings-

- Institute received Best College Award for Professional Courses in Urban Area from Savitribai Phule Pune University for 2023-24.
- Received a Gold Band (A Grade) in The Green Rankings 2023 by Sustainable institutions of India by R world Institutional ranking.
- The college is ranked 157th according to National Institute Ranking Framework (NIRF) Innovation Ranking 2023.
- Ranked 100th among Top Private Engineering Colleges in India, i n 'Outlook's' rankings 2023.
- Received certificate of appreciation for contribution as a host college for the ground breaking National Level Faculty Development Program on Cloud Infrastructure presented by Brainovision Solutions in collaboration with AICTE which helps Brainovision for securing a place in the India Book of Records 2023, for the maximum participants of 28000+ Faculty from 400+ colleges / universities from all over the India.
- ACM student chapter has received "Outstanding community service award" from ACM India chapter for the year 2023 @Bhubneshwar with an appreciation amount of 40,000/- Dr.M.A.Thalor, HOD, Information Technology has received the award.
- The launch of Ham Radio Project in hands of Shri Deepak Kesarkar, Cabinet Minister for Ministry of Education and Ministry of Marathi Language and Shri Malojiraje Chhatrapati Hon. Secretary AISSM Society Pune at Kolhapur on 1st May 2023.
- The college successfully organized a national-level event 'Alacrity,' which included various cultural, technical, and sports competitions. The function was graced by the actor Siddharth Chandekar.

Teaching Staff Achievement & Awards:

- Dr.Mohini Sardey, HOD, E & TC Engineering received award as "Best Faculty for Excellent Contribution in ISTE Activity".
- Dr. S. V. Limkar received the best paper award for his paper titled "Enhancing Medical Imaging Diagnosis with Deep Learning and Bayesian Optimization" at the 8th International Conference on Information System Design & Intelligent Applications (ISDIA 2024) Dubai, UAE, 3-4 January 2024.
- Assistant Professor Mr. Vikas Desai from the IT department won the Bronze medal at the 50th Maharashtra State Level senior judo championship held at Nagpur.

Students Achievements (Co-curricular/ Extracurricular/Sports):

- E & TC student Neeraj Auchar & his team won MSIC Challenge, organized by the Maharashtra Government in the Smart Government domain. They have been awarded a prize of 1 lakh rupees.
- E & TC student Ankit Sonawane is honored with the prestigious "Outstanding Student (Degree Level)" & Computer student Shivraj More is honored with the prestigious " Best Innovative Projects (Degree Level) " by ISTE Maharashtra-Goa Section Award-2023.
- Umar Anwar Shaikh was selected for national level boxing competition.
- Yash Chavan, student of S.Y.IT received Rotary and MIT-WPU Youth Leadership Award from the hands of Vishwanath Karad (founder MIT-WPU) and Nagpur University , MIT university vice-chancellor,
- Yash Chavan, student of S.Y.IT bagged prizes in different competitions such as- 1st prize in Late.Rajkamalji Bharti Elocution Competition, 1st prize in Open Age Poetry Competition, 3rd prize in Open Age Debate Competition & 1st prize in Inter-Collegiate State level Elocution Competition.
- Computer department student Chetan Agarwal is winner of Student Project of the Year organized by Fire & Security Association of India.

6th International Conference (ESCI 2024):

International Conference on "6th IEEE - Emerging Smart Computing and Informatics - ESCI-2024" had successfully held at AISMSS IOIT College Pune. The three-day international conference (05 to 07 March 24) was inaugurated by Dr. Deepak Dhar, Padma Bhushan 2023, Distinguished Emeritus Professor, Indian institute of Science Education and Research IISER, Pune. College had invited researchers, engineers, and practitioners to submit papers on topics like smart Computing, Internet of Things, and Image and Signal Processing. This international conference was held in hybrid mode, i.e. using online as well as offline platform. Along with afore mentioned three tracks of the conference there were 6 pre-conference tutorials, and 14 Special Sessions. In response to the call for conference participation, total of 1457 research papers from around the world like China, Iraq, USA, Turkey Srilanka etc. had been received for this conference, out of which selected 192 papers were presented by the participants.

Academic Excellence (Results 2022-23):

Academic achievements of the institute for the academic year are as follows-

- 88.89% for BE Electrical Engineering,
- 89.35 % for BE Electronics & Telecommunication,
- 91.67% for BE Instrumentation Engineering,
- 99.37% for BE Computer Engineering, and
- 100 % for BE Information Technology in the examination held by the Savitribai Phule Pune University, Pune.

Campus Placement :

Total 458 students of BE have been placed to date with the highest package of 18 lacs. Around 278 companies like Hewlett Packard, Hexaware Technologies, Emerson, BMC Software , Johnson Controls , IBM , Wipro PARI , Kirloskar Pneumatics , Reliance , Techmahindra , Godrej & Boyce , Accenture , Bosch, Neilsoft , Cognizant , TCS, L&T Infotech, Vodafone, NTT Data, Schneider Electric etc visited

the Institute for Campus Recruitment.

Research and Development:

The AISSMS Institute of Information Technology, Pune, stands as an inspiration of innovation and excellence in the Research and Development (R&D). With an impressive track record, the institute has demonstrated remarkable achievements across various domains. Their commitment to advancing knowledge is evident through their extensive publication output, with a total of 183 papers to their credit. Notably, 13 papers have been published in SCI journals, underscoring the caliber of their research. Furthermore, their contributions extend to Scopus indexed journals, with 89 papers, and UGC listed journals, with 33 papers. The institute's focus on innovation is further highlighted by their patent activities, having filed 23 patents, with 30 patents published and 19 granted, signifying significant contributions to intellectual property. Additionally, the institute has made substantial strides in knowledge dissemination, with 11 books and 1 book chapter published. Their dedication to protecting intellectual property is reflected in the acquisition of 3 copyrights. Beyond academia, the institute has also made tangible impacts in the industry through consultancy services, catering to diverse needs such as XY Plotter, Cartesian Plotter for SVR Infotech, Pune, and Power Quality Audits for various industries. With 23 sponsored projects under their belt, the AISSMS Institute of Information Technology, Pune, continues to push boundaries and shape the landscape of R&D with its pioneering endeavors.

Center of Excellence:

Department of Artificial Intelligence and Data Science started Centre of Excellence "Drone Academy by CEREBROSPARK INNOVATIONS, Pune" , "ADVIT AI Labs" , and "Oracle Academy" and inaugurated by Hon. Chief Guest Shri. ChandrakantPatil (Minister of Higher and Technical Education Government of Maharashtra) presided by Shri.SiddharthShirole (MLA Shivajinagaronstituency, Pune,Maharashtra) on 27/03/2023.

Memorandum of Understanding :

The institute signed a total of 24 Memorandum of Understanding with various industries such as Sumago Infotech Pvt.Ltd.,Vodaphone Intelligent Systems (VOIS), Maharashtra Knowledge Corporation Limited (MKCL),Mahavitaran- Devam projects-M.S.E., UiPath Academy, Oracle Academy, for arranging workshops, expert lectures, industrial training, sponsorship for projects, and internships and Placement.

i-Connect Meet:

On Occasion of Silver Jubilee Celebration AISSMS Institute of Information Technology has organized AISSMS IOIT i Connect Meet 2024 in association with Seed Infotech supported by Pune Management Association on 19th January 2024. The Theme of the meet was "Future Challenges in Recruitment".

IIEDC Activities:

- AISSMS IOIT, Pune, hosted an impactful "Entrepreneurs meet-2024" under its IIEDC on 15th February 2024.
- AISSMS IOIT has organized "Innovate You Techathon 2024" in association with Innovation Foundation, Pune and Brain-O-vision Solutions Pvt. Ltd. on 17th & 18th Februar, 2024 with

participation from over 800+ innovators hailing from 9+ states across India. Total Prize pool of amount of Rs 4 lakh+ was awarded to winners. Dr. Suresh Gosavi, SPPU Vice Chancellor, Hon. Shri. Malojiraje Raje, Honorary Secretary of AISSMSIOIT were present for concluding Event.

- AISSMS IOIT, Pune – IIEDC has organized "Startup Fest"on 21st & 22nd February 2024 to Exhibit-Connect-Collaborate-Market and Show case product/solution. It includes the ASKKi Solution LLP,Spark Innovation ,Diksha Computer Languages and covers the various fields as food, plant, jewellery etc.

Hackathon 2024:

Department of E & TC Engineering in collaboration with ISTE, AICTE, Ministry of education and Brainovision Solution India Pvt. Ltd, Hyderabad has organized five days(From 09/10/2023 to 13/10/2023) hands-on 3days workshop +24 Hrs Hackathon program on 'Data science- an SDG (sustainable development goals)- driven solutions for start-ups using data science" for Students.

Legacy Run Marathon :

The Legacy Run Pune marathon organized on 14th January 2024 by All India Shri Shivaji Memorial Society Pune and Deccan Sports Club Kolhapur on the occasion of Silver Jubilee of Institute of Information .

Student Development organization :

The SDO successfully conducted programs like Nasha Mukt Bharat Abhiyan Voter Registration, Drive Selfie With Mati World Record, Amrut Kalash Yatra,etc. Total grant obtained-Rs.177800/-

National Services Scheme (NSS):

Under the national service scheme 150 students of our institute were enrolled for this academic year. Various events like World Blood Donor Day, World Yoga Day, World Environment Day, Tree Plantation, NEP Awareness, Cleanliness drives were organized by NSS students. NSS seven-day special winter camp was organized at Belsar Tal. Purandar, District Pune from 27/01/24 to 02/02/24. A total of 75student volunteers attended this camp. Under this seven-day camp program, various public places in the village were cleaned and a career guidance, health awareness, women's empowerment and lecture were organized and Awarness of Abha Card was done by the government doctor Among student.

I would like to convey my sincere thanks to the management for their enduring support and timely guidance which has made this institute one of its kind in the field of Technical Education.
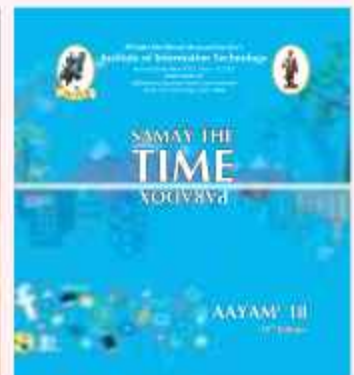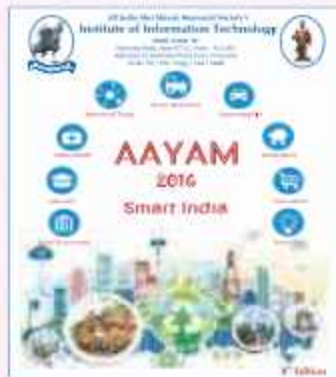
Dr.P. B. Mane
Principal
AISSMS's IOIT

Glimpses

AAYAM Success Story

Successive Edition of AAYAM

Schools, Colleges and Courses Offered

- **AISSM Society's College of Engineering, Pune - 1 (BE, ME & Ph.D.)**
  Accredited by NAAC A+ Grade
- **AISSM Society's College of Pharmacy , Pune - 1 (B. Pharmacy, M. Pharmacy and Ph.D. Research Center)**
  Accredited by NAAC   A Grade
- **AISSM Society's College of Hotel Management & Catering Technology, Pune - 5 (BHMCT, BSc-HS.)**
  Accredited by NAAC   A Grade / NBA Accredited for BHMCT
- **AISSM Society's Institute of Information Technology, Pune - 1 (BE, ME & Ph.D.)**
  Accredited by NAAC A+ Grade
- **AISSM Society's Institute of Management (MBA), Pune - 1.**
  Accredited by NAAC A+ Grade
- **AISSM Society's College of Business Administration, Pune - 1.**
- **AISSM Society's Polytechnic, Pune - 1.**
  NBA Accredited Programmes
- **AISSM Society's Private Industrial Training Institute, Bori Bhadak, Tal. Daund, Dist. Pune.**
  ISO 9001:2015 Certified Institute
- **Shri Shivaji Preparatory Military School, Pune – 5 (Secondary)**
- **Shri Shivaji Preparatory Military School, Pune – 5 (HSC Science & Commerce)**
- **Shri Shivaji Preparatory Military School, Pune–5 (MCVC)**
- **Shri Shivaji Preparatory Military Day School & Junior College, Pune–1 (Secondary)**
- **Shri Shivaji Preparatory Military Day School & Junior College, Pune – 1(HSC Science & Commerce)**
- **Shri Shivaji Preparatory Military Day School & Junior College, Pune – 1(MCVC)**
- **Shri Shivaji Preparatory Military Primary Day School, Pune – 1**
- **Shri Shivaji Preparatory Military Nursery School, Pune – 1**