



Lokmanya Tilak Jankalyan Shikshan Sanstha's
Priyadarshini Bhagwati College of Engineering, Nagpur

An Autonomous Institution Affiliated to R.T.M. Nagpur University, Nagpur

ACCREDITED BY NAAC GRADE 'A'

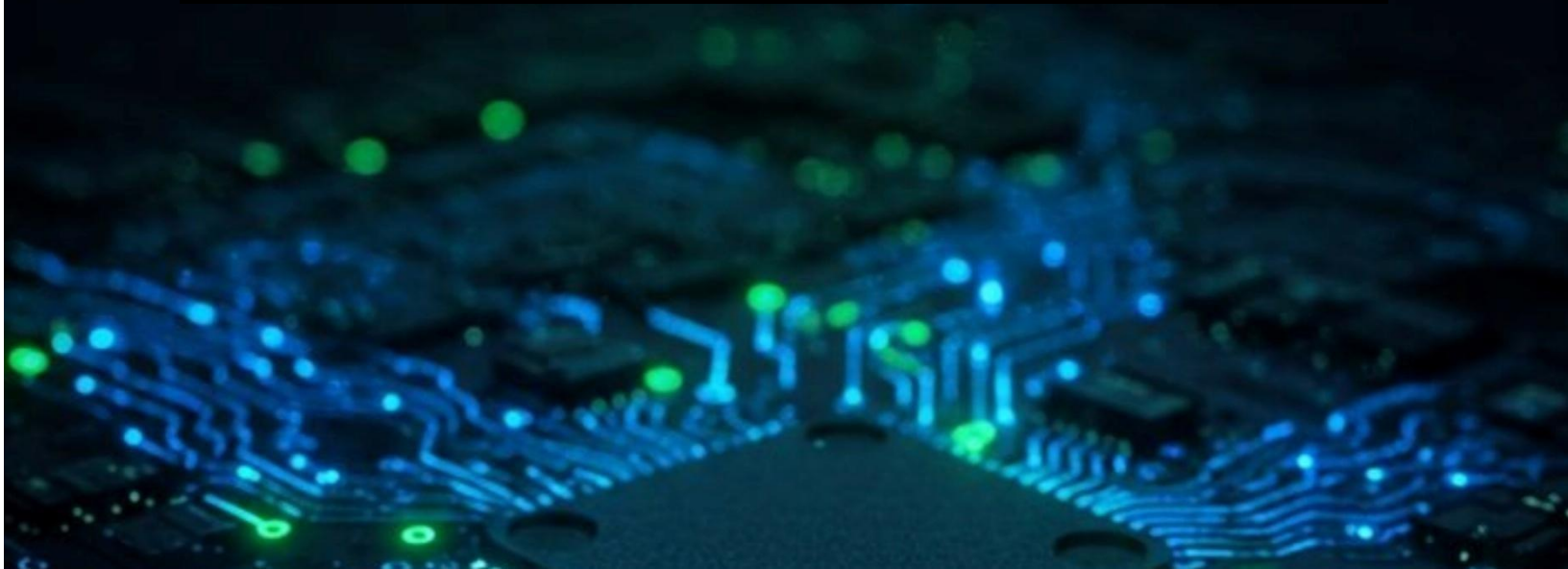
Harpur Nagar, Umred Road, Nagpur- 440024



ElectroSphere

(2023-24)

Electronics & Communication Engineering Department



CONTENTS

- Introduction of PBCOE
- Vision & Mission of the Institute
- Vision & Mission of the Department
- Program Educational Objectives
- Program Outcomes
- Program Specific Outcomes
- From the Desk
- Faculty of Electronics & Communication Engineering
- Student's of Electronics & Communication Department
- Publishing Team
- Student Forum
- Articles
- Poetry & SKETCHES
- Workshop Organised
- Student Achievements
- Sports



PRIYADARSHINI COLLEGE OF ENGINEERING



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

VISION OF THE DEPARTMENT:

To cultivate global engineers who excel in Electronics & Communication technology and innovation, driven by high-quality education, research, student empowerment, ethical leadership, and entrepreneurship to positively impact the society.

MISSION OF THE DEPARTMENT:

M1: To educate for innovation and societal impact.

M2: To Provide an industry-relevant, technology-driven learning environment.

M3: To foster entrepreneurial skills for value-based technological solutions.

M4: To collaborate with industry and academia to ensure curriculum relevance.

PROGRAM EDUCATIONAL OBJECTIVES OF THE DEPARTMENT :

PEO1: Graduates will utilize their knowledge and skills to build successful careers, contributing to industry innovation and demonstrating leadership.

PEO2: Graduates will develop strong analytical and problem-solving skills to tackle real-world engineering challenges, using modern techniques to address societal needs.

PEO3: Graduates will uphold ethical standards in their professional conduct, considering societal and environmental impacts, and commit to continuous learning throughout their careers.

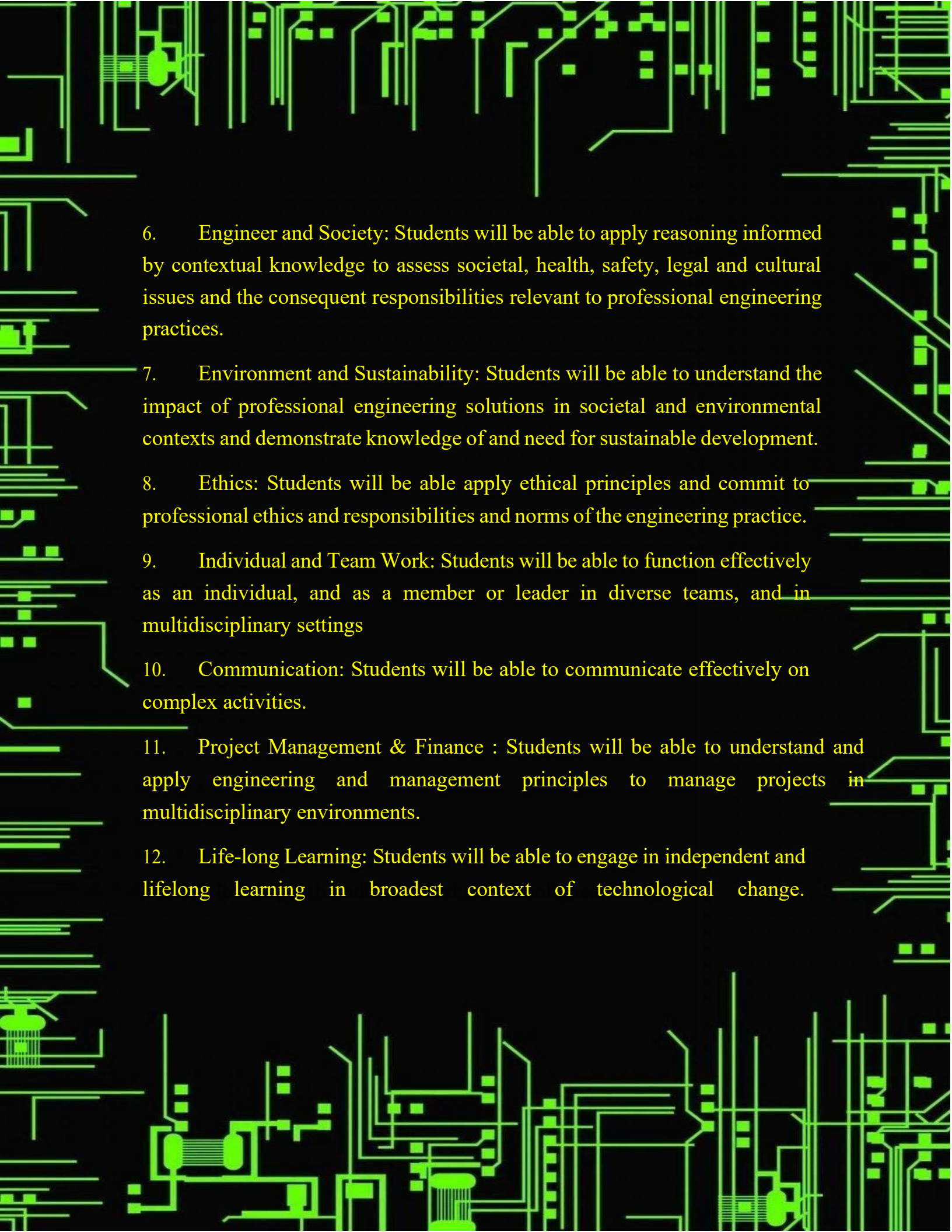
PROGRAM SPECIFIC OUTCOMES (PSOs)

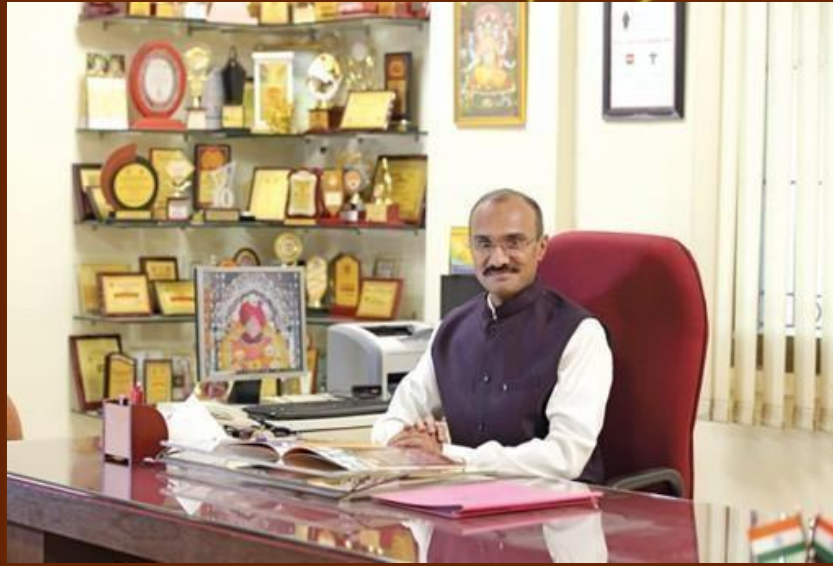
PSO-1: The graduate will be able to analyze and develop solutions for real-time problems, applying knowledge in Electronics and communication, signal processing, embedded systems, devices, circuits, and emerging technologies, using mathematical and engineering fundamentals to meet industry requirements.

PSO-2: The graduate will be able to Apply hardware/software skills and E&C knowledge for system design, analysis considering societal & environmental aspects, leading to employment or entrepreneurship..

PROGRAM OUTCOMES OF THE DEPARTMENT :

1. **Engineering Knowledge:** Students will be able to apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem Analysis:** Students will be able to identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/Development of Solution:** Students will be able to design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Investigation:** Students will be able to use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern Tool Usage:** Students will be able to 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.

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6. **Engineer and Society:** Students will be able to apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practices.
 7. **Environment and Sustainability:** Students will be able to understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
 8. **Ethics:** Students will be able apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
 9. **Individual and Team Work:** Students will be able to function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings
 10. **Communication:** Students will be able to communicate effectively on complex activities.
 11. **Project Management & Finance :** Students will be able to understand and apply engineering and management principles to manage projects in multidisciplinary environments.
 12. **Life-long Learning:** Students will be able to engage in independent and lifelong learning in broadest context of technological change.



**From the Desk of Principal
Dr. N.K. Choudhari, Principal, P.B.C.O.E, Nagpur**

I am truly delighted to connect with you through this year's edition of Departmental Magazine, "ASCONIC," for the academic year 2023-2024. The task of publishing a magazine today is certainly a formidable one. Department has evolved over the years without losing its vibrancy, continuing to create an environment that allows each of you to thrive and blossom, spreading your unique fragrance wherever you go. Remember, "THERE ARE NO SHORTCUTS TO HARD WORK AND NO REWARDS WITHOUT SACRIFICE." Believe in your potential. The keys to success are a positive mindset, unwavering perseverance, passionate commitment, and self-confidence. As you explore the pages ahead, you will discover significant milestones our department has achieved this year. Moreover, our talented students have shared their thoughts, ideas, aspirations, and convictions in imaginative ways. I extend my heartfelt congratulations to Dr. Amita Thakare the editorial board, for unlocking the creativity and potential of our students.



**From the Desk of
Dr. D.M. Kate, HOD, ECE**

It is both a pleasure and an honor to welcome you to the Department of Electronics and Communication at Priyadarshini Bhagwati College of Engineering, Nagpur. Our dedicated members and non-teaching staff, along with our well-equipped laboratories and create a dynamic learning environment.

Since its inception, our department has consistently evolved, organizing a variety of co-curricular and extracurricular activities such as poster-making competitions, seminars on recent technology, and events focused on opportunities after graduation. We also host various technical and non-technical events, including quizzes, all aimed at fostering the overall development of our students through the EC Student Forum.

We are committed to providing our students with an outcome-based education that emphasizes a practical teaching and learning process. This approach fosters critical thinking and problem-solving skills as students progress through their programs. Beyond classroom instruction, students are encouraged to apply the principles they learn through hands-on experimentation in our labs, enhancing their self-confidence and engineering skills.

Teachers play a vital role in nurturing the talents and abilities of students by serving as facilitators in their learning journey. This magazine aims to highlight the strengths of our department and provide a platform for both faculty and students to showcase their literary talents and innovative ideas.

I extend my best wishes for the success of this initiative.



**From the Desk of
Dr. A.P. Thakare, Forum Incharge, ASCONIC**

Everyone has dreams, and so do we. One of our longstanding dreams has been the creation of "ASCONIC" I am delighted to present this edition of our departmental magazine. More than just a collection of articles, this magazine serves as a vibrant tapestry of emotions and creativity, capturing the events organized by both our faculty and students. The combined efforts of the magazine committee have made this edition a resounding success.

I would like to express my sincere gratitude to our management, our principal Dr. N.K.Choudhari, for their unwavering support and guidance.

Additionally, I want to extend my heartfelt thanks to Dr.(Ms.) D.M.Kate, the HOD of EC, for his constant encouragement. I also appreciate the hard work of our student editors, Chaitanya Akhud and Pratham Pannase, who have dedicated themselves to shaping this magazine into its current form.

SUPPORTING PILLARS OF DEPARTMENT



Dr. D.M. Kate, HOD, ECE



Dr. S.B. Dhoble



Dr. P.R. Bokde



Dr. P.M. Palkar



Dr. P.N. Yerkewar



Mr. A.D. Landge



Dr. A.P. Thakare



Dr. T.U. Pathan



Ms. M.S. Dhanvijay

EDITORS



Mr. Pratham Pannase



Mr. Chaitanya Akhud

Message from ASCONIC Student Incharge :

All choices you ever made into your Life have brought you to where you are today" Use your time pursuing your dreams and never give up because the struggle you go through today will build the strength for tomorrow. Cosmic-Tech is an attempt to explore diverse skills and activities of the department.

I thank my mentors for my guidance and inspiration.

Imagine, Believe and Achieve

Mr. Pratham Pannase
Student Incharge
(ASCONIC)

ASCONIC CORE COMMITTEE



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President



Mr. Nayan Waghmare
Vice President



Mr. Utkarsh Khante
Treasurer



Mr. Nishant Dahare
Secretary

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Mr. Mayur Ashtankar

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Mr. Himanshu Nandanwar

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Mr. Vaibhav Thakre

Ms. Tanishka Dubey

Ms. Karishma Bhagat

Ms. Bhawna Hatwar

Mr. Rushi Khedekar

Mr. Devanshu Junghare

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Mr. Rahul Kale

Ms. Nikita Ighe

Ms. Nisha Navghare

Ms. Janvi Dangre

Ms. Manaswi Ganorkar

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Ms. Teena Khangare (Student Incharge)

Ms. Himanshi Khedikar

Ms. Tanushri Ingole

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Mr. Tushar Darne

Mr. Gopal Wankhede

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Ms. Pranjali Tarankar (Student Incharge)

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Ms. Tejaswini Kakde

Ms. Apurva Khangar

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Mr. Nikhil Bhiwgade

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Mr. Tushar Kelzarkar

Mr. Ayush Waghulkar

Ms. Akansha Chikte

Ms. Yamini Kantode

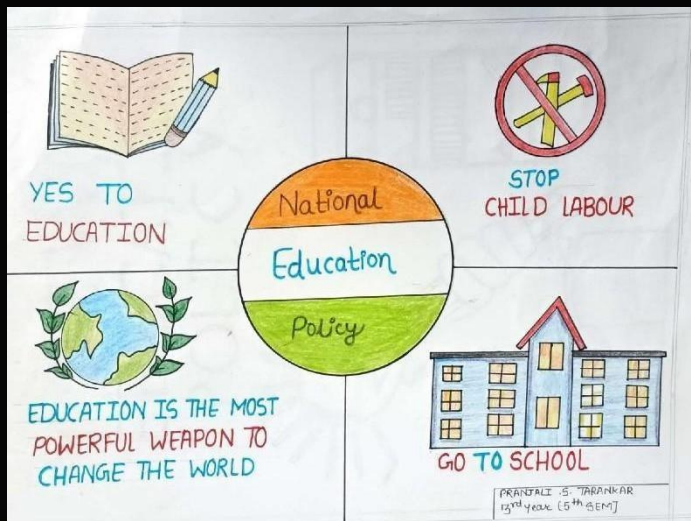
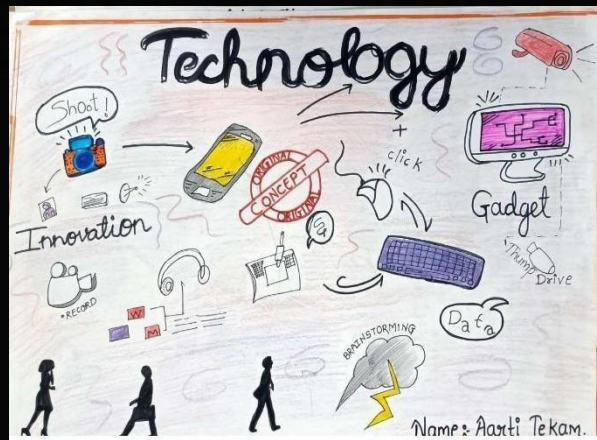
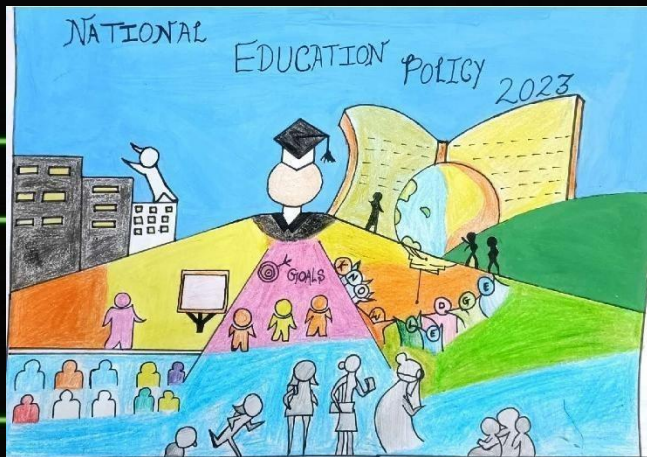
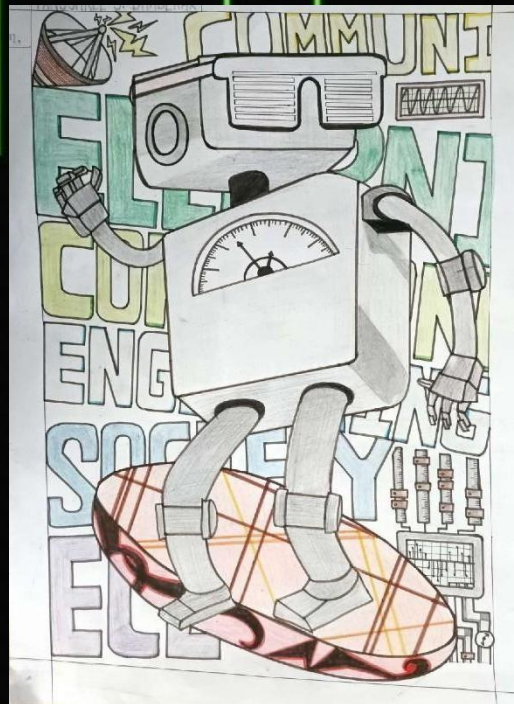
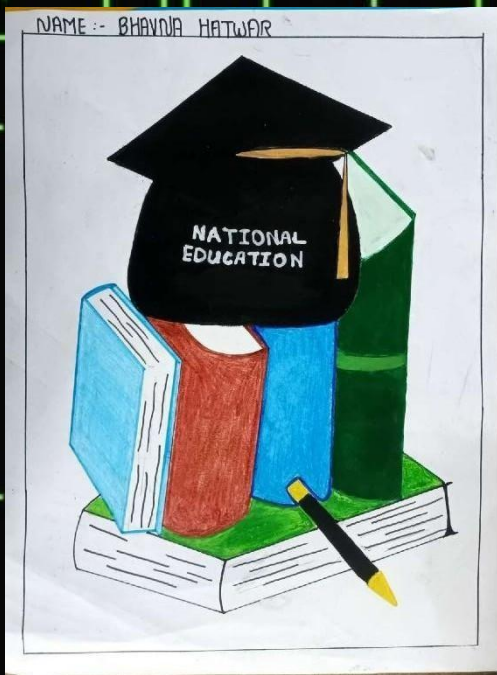
Ms. Janvi Dangre

“POSTER COMPETITION”



The Poster Competition was successfully completed on 10/10/2023 at the Electronics & Communication Engineering Department, with the active participation of 22 students, guided by Dr. D.M. Kate, HOD and faculty. The event fostered creativity, critical thinking, and engagement among students.

DRAWING & SKETCHES



“Marking the beginning of artistic expression, the Wall Magazine was inaugurated by Dr. N. K. Choudhary, Principal, on 31st August 2024.”

FACILITATION FORUM

“INSTALLATION CEREMONY OF STUDENT FORUM ASCONIC”

Date of Event :- 17/10/2023



“Marking the beginning of artistic expression, the Wall Magazine was inaugurated by Dr. N. K. Choudhary, Principal, on 17th October 2023.”

FACILITATION OF STUDENT FORUM BODY MEMBERS



Theme for Chandrayaan Wall Magazine

"Reaching for the Moon: Celebrating India's Space Pioneers and Chandrayaan Mission"

This theme highlights the spirit of exploration, innovation, and scientific achievement showcased by India's Chandrayaan missions. It can include sections on space technology, India's journey in space exploration, the scientific discoveries from Chandrayaan, and inspiring stories of Indian scientists and engineers.



**“CULTURAL DAY OF
ASCONIC STUDENT FORUM”**

Date of Event:- 18/10/2023



SINGING



RAMP WALK



A vibrant celebration of talent, tradition, and togetherness marked the Cultural Day of the ASCONIC Student Forum on 18th October 2025.”

“DEPARTMENTAL SPORTS”

Date of Event :- 05/01/2024



CARROM BOARD

“Promoting teamwork and healthy competition, the Departmental Sports was successfully organized on 18th January 2024.”



CHESS



TABLE TENNIS



CARROM BOARD

TECHNICAL ARTICLES OF FACULTY

Internet of Things (IoT)

The Internet of Things (IoT) is a rapidly evolving technology that enables physical devices to communicate and exchange data through the internet. IoT plays a vital role in the development of smart infrastructure by improving efficiency, safety, and resource management. This article highlights the concept of IoT, its key components, and its applications in smart infrastructure. The Internet of Things refers to a network of interconnected devices embedded with sensors, software, and communication technologies. These devices collect and transmit data, enabling automation and intelligent decision-making. IoT has gained significant attention in sectors such as transportation, energy, healthcare, and urban development.

An IoT system consists of sensors and actuators, communication networks, data processing units, and user interfaces. Sensors gather real-time data, which is transmitted to cloud platforms for analysis and visualization.

IoT enables smart cities through intelligent traffic management, smart lighting systems, waste management, and energy-efficient buildings. In academic campuses, IoT-based systems improve security, classroom management, and resource utilization.

IoT implementation faces challenges such as data security, interoperability issues, scalability, and high initial deployment costs. IoT has immense potential to transform traditional infrastructure into smart and sustainable systems. With proper security measures and standardized frameworks, IoT can significantly contribute to technological advancement and societal development.

Ms.S.S.Dhanvijay

Assistant Professor

Cyber Security Challenges in the Digital Era

With the exponential growth of digital data and online services, cyber security has become a critical concern. This article explores common cyber threats, security mechanisms, and best practices to protect information systems in the digital era. The rapid growth of digital technologies has transformed the way information is generated, transmitted, and stored. From online banking and e-commerce to smart devices and communication networks, digital platforms have become an integral part of everyday life. However, this increased dependency on digital systems has also exposed vulnerabilities that can be exploited by cyber criminals.

Cyber security refers to the protection of computer systems, networks, and data from unauthorized access, attacks, and damage. In the digital era, ensuring cyber security is a critical challenge due to the increasing volume of data, complexity of networks, and evolving nature of cyber threats.

Malware attacks, ransomware, phishing scams, and denial-of-service attacks are among the most common threats. These attacks can compromise sensitive data, disrupt services, and cause financial losses, implementing firewalls, encryption techniques, multi-factor authentication, and regular security audits are essential to safeguard digital assets. User awareness and training also play a vital role in preventing cyberattacks.

Educational institutions store vast amounts of sensitive data related to students and staff. Ensuring cyber security is crucial to maintain trust, data integrity, and uninterrupted academic operations. Cyber security is not just a technical issue but a strategic necessity in the digital era. Continuous monitoring, updated security policies, and user awareness can significantly reduce cyber risks.

Dr.S.B.Dhoble

Assistant Professor

Importance of Education

Education is one of the most powerful tools for personal and societal development. It not only provides knowledge but also shapes character, builds confidence, and prepares individuals for future challenges. In today's fast-changing world, education plays a vital role in improving the quality of life.

Through education, people learn essential skills such as communication, critical thinking, and problem-solving. These skills help individuals make informed decisions and contribute positively to society. Education also opens up opportunities for better careers, financial stability, and personal growth.

Moreover, education promotes equality and reduces poverty. It empowers individuals to stand for their rights and participate actively in community development. A well-educated society is more likely to be peaceful, progressive, and innovative.

In conclusion, education is not just about gaining knowledge but about building a better future. It is the foundation upon which a strong and successful society is built.

Moreover, education encourages innovation and development. It helps in the advancement of science, technology, and various fields that contribute to national progress. Countries with higher literacy rates tend to be more developed and successful.

Education is not limited to schools and colleges; it is a lifelong process. Learning continues through experiences, reading, and interacting with others. Continuous learning helps individuals adapt to changes and stay updated with new developments.

In addition, education also contributes to personal growth. It builds confidence, improves personality, and enhances decision-making abilities. An educated person is more likely to lead a balanced and fulfilling life.

Mr.A.D Landge
Assistant Professor

Importance Technology in Modern Life Education

Technology has become an essential part of modern life, influencing almost every aspect of our daily activities. From communication and education to healthcare and transportation, technology has made life easier, faster, and more convenient. In today's digital world, it is difficult to imagine life without technology.

One of the biggest advantages of technology is improved communication. With the help of smartphones, social media, and the internet, people can connect with others from different parts of the world instantly. This has brought people closer and made sharing information easier than ever before.

Technology has also transformed the education system. Online learning platforms, digital classrooms, and educational apps have made learning more accessible and flexible. Students can now learn from anywhere and access a wide range of resources. This has made education more inclusive and convenient for many people.

In the field of healthcare, technology has brought significant improvements. Advanced medical equipment, telemedicine, and digital health records have improved the quality of healthcare services. Doctors can now diagnose diseases more accurately and provide better treatment to patients.

However, despite its many advantages, technology also has some negative effects. Excessive use of technology can lead to addiction, reduced physical activity, and social isolation. Many people spend too much time on their devices, which affects their mental and physical health.

Another issue is the spread of misinformation through social media and online platforms. It is important for individuals to verify information before believing or sharing it. Responsible use of technology is necessary to avoid these problems.

In conclusion, technology is a powerful tool that has greatly improved our lives. While it offers many benefits, it is important to use it wisely and maintain a balance between digital and real life. By using technology responsibly, we can make the most of its advantages and create a better future.

Dr. T.U. Patan
Assistant Professor

Environmental Protection

Environmental protection is one of the most important issues facing the world today. The environment provides us with essential resources such as air, water, and food, which are necessary for survival. However, human activities have caused significant damage to the environment, leading to problems such as pollution, deforestation, and climate change.

One of the main causes of environmental damage is pollution. Industries, vehicles, and improper waste disposal release harmful substances into the air, water, and soil. This affects not only the environment but also human health. Air pollution, for example, can cause respiratory diseases and other health problems.

Deforestation is another major issue. Trees are cut down for various purposes such as agriculture, construction, and industrial use. This leads to loss of biodiversity, soil erosion, and disruption of the natural balance. Trees play a crucial role in maintaining the environment, as they absorb carbon dioxide and release oxygen.

Climate change is one of the most serious environmental challenges. It is caused by the increase in greenhouse gases in the atmosphere, mainly due to human activities. Climate change leads to rising temperatures, melting glaciers, and extreme weather conditions, which can have severe consequences for the planet. Protecting the environment requires collective efforts from individuals, governments, and organizations. Simple actions such as reducing waste, conserving water, planting trees, and using eco-friendly products can make a big difference. Governments can implement laws and policies to control pollution and promote sustainable practices.

Education and awareness are also important in protecting the environment. People need to understand the importance of conservation and take responsibility for their actions. By working together, we can create a cleaner and healthier environment for future generations.

In conclusion, environmental protection is not just a responsibility but a necessity. It is essential to take immediate action to preserve the environment and ensure a sustainable future. Every small effort counts, and together we can make a positive impact.

Role of Youth in Nation Building

Youth are the backbone of a nation and play a vital role in shaping its future. They are full of energy, enthusiasm, and new ideas, which makes them powerful agents of change. A country's progress largely depends on how its youth contribute to society.

Young people have the ability to bring innovation and creativity in different fields such as science, technology, education, and social development. They are more adaptable to new trends and technologies, which helps in modernization and growth. Their fresh perspectives often lead to better solutions to existing problems.

Education and skill development are crucial for youth to contribute effectively. With proper guidance and opportunities, they can achieve great success and uplift the nation. Governments and institutions must invest in education and provide platforms for young individuals to showcase their talents.

However, youth also face challenges such as unemployment, stress, and lack of direction. It is important to address these issues and provide support through counseling, training, and job opportunities. Encouraging participation in social and community activities can also help them develop a sense of responsibility. In conclusion, youth are the driving force of a nation. Their actions and decisions determine the future of society. By empowering and guiding them properly, we can build a strong and developed nation.

Dr.D.M Kate
Associate Professor

Importance of Time Management

Time is one of the most valuable resources in life. Once lost, it can never be regained. Time management is the process of planning and organizing how to divide time between different activities effectively.

Proper time management helps individuals complete their tasks efficiently and reduces stress. It allows people to focus on their priorities and avoid unnecessary distractions. By managing time well, one can achieve goals and maintain a balanced life.

For students, time management is especially important. It helps them balance studies, extracurricular activities, and rest. Creating a timetable, setting deadlines, and staying disciplined are key strategies for effective time management.

In professional life, time management increases productivity and efficiency. It helps employees meet deadlines and perform better in their roles. Organizations also benefit when their employees use time wisely.

Poor time management can lead to stress, missed opportunities, and decreased performance. Therefore, it is important to develop good habits such as planning ahead, avoiding procrastination, and staying organized.

Pratham Pannase
5th sem EC

Health and Fitness

Health is one of the greatest blessings in life. Without good health, it is difficult to enjoy life and achieve success. Fitness includes both physical and mental well-being, and maintaining it requires regular effort and discipline.

A healthy lifestyle includes a balanced diet, regular exercise, and proper rest. Eating nutritious food provides the body with the necessary energy and nutrients. Exercise helps keep the body fit, improves strength, and reduces the risk of diseases.

Mental health is equally important as physical health. Stress, anxiety, and depression can affect a person's overall well-being. Activities such as meditation, yoga, and spending time with loved ones can help maintain mental balance.

In today's fast-paced life, many people neglect their health due to busy schedules. This leads to various health problems such as obesity, heart disease, and diabetes. It is important to take time for self-care and prioritize health.

Regular health check-ups and maintaining hygiene are also essential. Clean surroundings and good habits help prevent diseases and promote a healthy lifestyle.

In conclusion, health and fitness are the keys to a happy and successful life. By adopting healthy habits, individuals can improve their quality of life and achieve their goals.

Rahul Kale
5th sem EC

Social Media

Social media has become an important part of modern life. Platforms like Facebook, Instagram, and Twitter have changed the way people communicate and share information. It has both positive and negative impacts on society.

One of the main advantages of social media is connectivity. People can stay in touch with friends and family across the world. It also provides a platform for sharing ideas, learning new things, and spreading awareness about important issues.

Social media is also useful for businesses and marketing. Companies can promote their products and reach a larger audience. It has created new job opportunities in digital marketing and content creation.

However, social media also has disadvantages. Excessive use can lead to addiction and affect mental health. People may feel anxious or depressed due to comparisons and online pressure. It can also reduce face-to-face communication.

Another major issue is the spread of fake news and misinformation. It is important for users to verify information before sharing it. Privacy concerns are also a growing problem in the digital world.

In conclusion, social media is a powerful tool that can be beneficial if used responsibly. It is important to maintain a balance and use it in a positive way.

Karina Rahate
8th sem EC

Importance of Cleanliness

Cleanliness is an essential part of a healthy and civilized life. It not only keeps us safe from diseases but also creates a positive environment. Clean surroundings reflect discipline and responsibility.

Maintaining personal hygiene is very important. Simple habits like washing hands, brushing teeth, and keeping clothes clean can prevent many illnesses. Public cleanliness is equally important for a healthy society.

Dirty surroundings can lead to the spread of diseases and pollution. Proper waste management and sanitation are necessary to maintain cleanliness. People should avoid littering and follow rules to keep public places clean.

Governments also play a role in promoting cleanliness through campaigns and policies. However, individual efforts are equally important. Every person should take responsibility for keeping their environment clean.

Cleanliness also has a psychological impact. A clean environment makes people feel calm, happy, and productive. It improves the overall quality of life.

In conclusion, cleanliness is not just a habit but a duty. By maintaining cleanliness, we can create a healthier and better society.

Tejaswani Kakde
8th sem EC

POETRY

"The Engineer's Oath"

In halls of thought where dreams ignite
Beneath the cold and sterile lights,
Where circuits buzz and engines roar,
The minds of builders dream of more.
They chart the stars, they forge the steel,
They break the shore, they spin the wheel.
They build the bridges, carve the skies,
With burning heads and watching eyes.
No dream too vast, no peak too steep,
No ocean vast, no canyon deep,
With graphs and coils and gears they fight
To turn the darkness into light.
The buses roar, the turbines hum,
The engines chant a mighty drum.
The bridges stretch across the seas,
A testament to their fierce dreams.
So on cards, engineers stand tall —
Through every doubt, through every fall,
The world awaits your daring schemes,
Forge it anew with daring dreams!

8th sem [EC] - Tejashwini S. Kulkarni

Poem

The Magic of Electronics.

In tiny chips and circuits bright,
A hidden world comes to light.
Electrons race with binding speed,
Answering every human need.
A whisper turns into a song,
Through wires that hum and buzz along.
A simple spark, a coded dance,
Gives life to dreams, to chance.
From blinking lights to buzzing drones,
From mobile phones to robot drones,
In every beat, in every hum,
Electronics make the future come.
So here we stand, with soldered dreams,
In circuit, code, and flashing beams.
A world of wonder, vast and wide,
Where science and magic both collide.

Khushi S. Nitraware

" चिप और सपने के करिगार "

हागो से बुनते हैं वो नजारे,
सर्किट की गलियों में सपने सँवारे।
हर वोल्ट, हर कर्ंट की धड़कन समझते,
सिग्नल की बुँदों में भविष्य रचते।
रश्मि की जगते, नीली रोशनी में,
प्रोजेक्ट बनते धड़कती मशीनें।
छोटे से चिप में समुंद्र समाने,
इन्वेन्शन की आग से राहें लगाते।
कभी कोड की धारिशा, कभी वायर की आँवी,
हर मुश्किल से लड़ते हैं, उनकी बाँधी।
ओस की तरह नाफुक, ओलास से मजबूत,
हर समस्या के आगे उनका होसला भड़क।
स्कू, झरियवर, मल्टीमीटर, उनके टचियार,
सपनों के बाहर बसाते धार-धार।
इलेक्ट्रॉनिक्स इंजिनियर - लाइगर कहे इन्हे,
जो तारों जोड़ते दिल और धमीन।

- Karina Rahate
8th SEM EC

Poem

The Power of Engineering

From Circuits small to bridges tall,
We build the world, we make it all.
With wires, gears and endless codes,
We pave the future, smooth the roads.
Ideas turn to steel and stone,
Creating wonders yet unknown.
In labs and shop, we work and dream,
Engineers make the world, a team.

- Bhavana Hatway

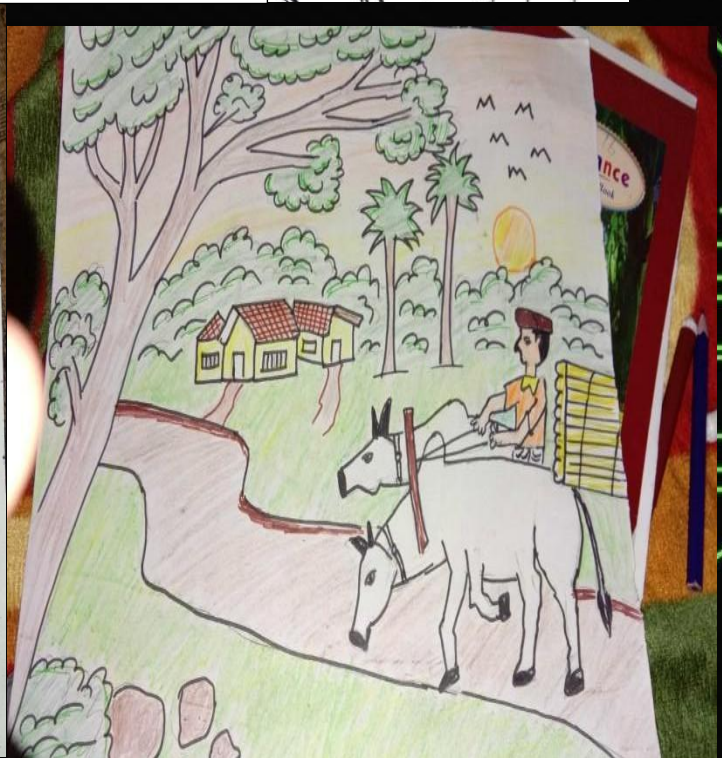
SKETCHES



Pranali Tarankar, 5th sem EC



Pratham Pannase, 5th sem EC



Rahul Kale, 5th sem EC

“EXPERT TALK ON INTERNET OF THINGS”



The Seminar on IoT, held on 15/01/2024 with Mr. Pradeep Wasu, Director , CMS IT Pvt Ltd, Nagpur sparked innovative ideas and connected minds, leaving a lasting impact on all attendees.



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**EXPERT TALK
ON
“ENTREPRENEURSHIP**

**“OPPORTUNITIES AND PREPARATION
STRATEGIES FOR GOVT/PSU SECTOR”**

Dated on

22/01/2024,

Mr.Milind Chapekar,Founder and CoE Diaspora Innovations Pvt. ltd and esteemed faculty inspired students to ignite innovation and lead the software industry with vision and passion.





"Ignite Innovation, Lead the Future: Entrepreneurship & Development in the Software Industry"



**“SEMINAR ON VLSI
(VERY LARGE SCALE INTEGRATION)”**

Date of Event :- 02/02/2024



"Embark on a journey into the future of electronics at the VLSI seminar on 02/02/2024 in the Seminar Hall, PBCOE, led by Dr. D.M. Kate and our esteemed faculty, inspiring innovation with eager students.

“ SEMINAR ON INTELLECTUAL PROPERTY RIGHTS”

Date of Event :- 06/02/2024



"With great enthusiasm and active participation, the 'Intellectual Property Rights' seminar successfully concluded, igniting minds and fostering a culture of innovation among the students in the ECE Department under the guidance of Dr. Unnat Pandit, Controller General of Patent, design and AMP Trademarks."



“REPOSRT ON WORKSHOP THE CODE OF CONDUCT”

Date of Event :- 09/02/2024



"On 09/02/2024, the ECE Department ignited a wave of ethical awareness among the students through an engaging workshop on 'The Code of Conduct,' guided by Dr. D.M. Kate and our dedicated faculty, fostering a culture of integrity and professionalism."

"On 09/02/2024, the ECE Department ignited a wave of ethical awareness among 130 students through an engaging workshop on 'The Code of Conduct,' guided by Dr. D.M. Kate and our dedicated faculty, fostering a culture of integrity and professionalism."

DEPARTMENTAL ACHIVEMENTS

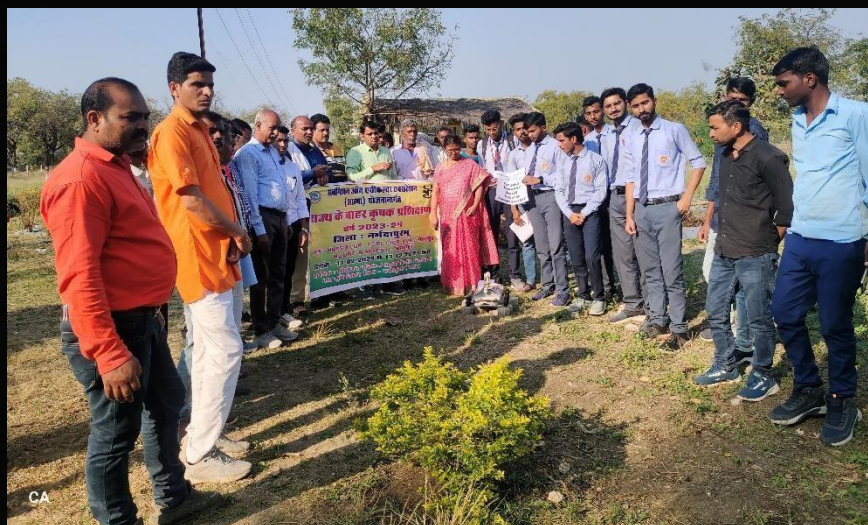


**Representing PBCOE at Various Yoga Championship
Silver medal Winner-Chakuli Selokar & Harshal Selokar**
"PBCOE: Pioneering Excellence, Inspiring Victories – Shaping
Champions, One Game at a Time!"



"INSTITUTIONAL APPRECIATION & ACKNOWLEDGMENT FOR EXCELLENCE IN AGRICULTURAL EDUCATION AND INNOVATION"

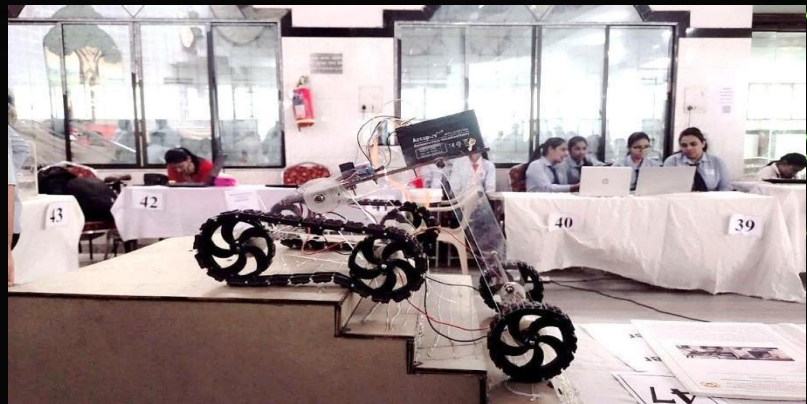
Appreciation by Krishi Vigyan Kendra ICAR-CICR, Nagpur



“Experts from Krishi Vigyan Kendra (ICAR-CICR), Nagpur, highly appreciated the innovative projects, motivating students toward practical and research oriented learning”

BRAIN-BURST PROJECT COMPETITION

“Students participated in BRAINWAVE BURST, a National Level Project Competition 2024, organized by the Dr. Babasaheb Ambedkar National Association of Engineers (BANAE), Nagpur, on 6th April 2024, showcasing their innovative ideas and technical expertise.”



"TECHNICAL CAPABILITY ENHANCEMENT PROGRAM"

ELECTRO-TECH CLUB

Inauguration Date :- 11/02/2024

The Electro-tech Club aims to ignite innovation, practical learning, and technological curiosity among Electronics and Communication Engineering students. It provides a platform for students to explore, design, and build electronic projects, develop skills in embedded systems, communication technologies, robotics, and IoT, and stay updated with industry trends. Through workshops, competitions, guest lectures, and hands-on sessions, the club nurtures technical competence, teamwork, leadership, and problem-solving abilities, preparing students for real-world challenges in the field of electronics and communication.



Mr. Chaitanya Akhud

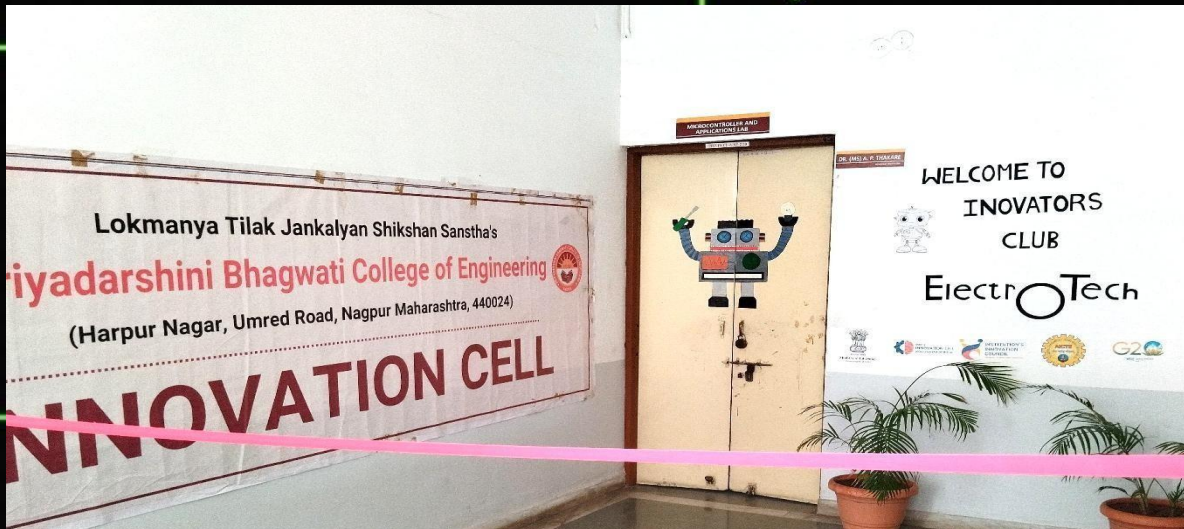
President of Club



Ms. Pranjali Tarankar

Vice President of Club

INAUGURATION OF ELECTROTECH CLUB



“The Electrotech Club was inaugurated on 11th February 2024 by Dr. N. K. Choudhari, Principal, PBCOE, Nagpur, marking the beginning of a platform for innovation, technology, and student collaboration.”



NSS-NATIONAL SERVICE SCHEME FOUNDERS DAY CELEBRATION



“Promoting education and care, stationery materials were distributed to primary students on 10th October 2023.”



Tree plantation



FAREWELL CEREMONEY

“A heartfelt farewell ceremony was held on 22/05/2024, celebrating memories, achievements, and new beginnings for the outgoing students.” As you step into the next chapter of your life, we want to wish you all the best for the future. May this new journey bring you success, happiness, and countless opportunities to grow and achieve your dreams. Remember, every ending is a new beginning. Embrace the future with confidence and optimism. We believe in your potential and are excited to see all the great things you will accomplish.

Good luck and all the best for what lies ahead!





Priyadarshini Bhagwati College Of Engineering, Nagpur

Electronics & Communication Engineering
Department

Harpur Nagar, Umred Road, Nagpur - 440024

