MAHATMA EDUCATION SOCIETY'S

Pillai HOC College of Engineering & Technology

Pillai HOCL Educational Campus, Rasayani, Khalapur, Raigad - 410207

ACCREDITED WITH GRADE
A+
NAAC

Alumni

Alumni Newsletter

Astral

2024-25

OUR INSPIRATION

OUR MOTIVATION

**Dr.K.M. Vasudevan Pillai ,Chairman & CEO, MES
Dr. Daphne Pillai, Secretary, MES**

Dr. Priam Pillai, COO, MES

"We are committed to provide a holistic education based on new generation academics that creates not just powerful global career options for our students, but which empowers them to be come key contributors to the community and the environment in which they live."

VISION AND MISSION

VISION

- To be a premier institution, cultivating diverse learners into globally competent professionals for the betterment of society.
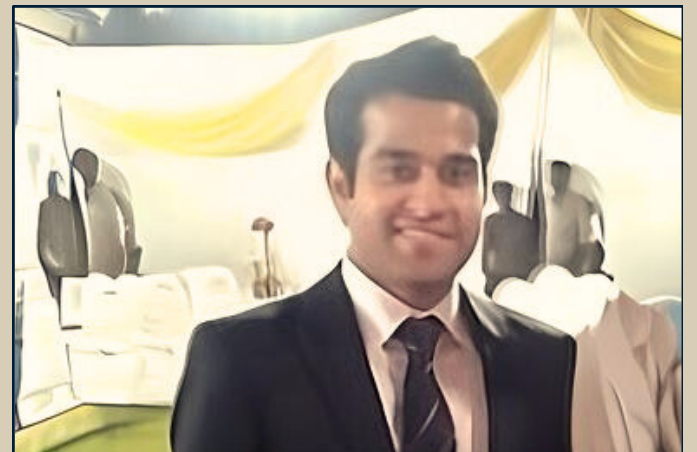
MISSION

- To promote continuous learning, research in fundamental and emerging areas
- To inculcate a culture of curiosity, professionalism, teamwork, innovation, and entrepreneurship among the learners.
- To enable the sharing of knowledge and expertise with industry, academic and research entities and to address global challenges effectively.

Dr. Franav Pillai, DCEO, MES

**Dr. Lata Menon, DYCEO,
Pillai HOCL Educational Campus**

Dr. Jagdish W. Bakal, Principal, PHCET

At Pillai HOC College of Engineering & Technology, our teaching and learning approach aims for a balanced mix of skills, knowledge, and the right attitude. We emphasize understanding core concepts in each course and encourage interdisciplinary thinking through problem-solving, group projects, and hobby clubs. Our campus offers a unique environment that fosters culture, art, sports, and values. Student societies provide platforms for competitive extracurricular activities, enhancing both individual and teamwork skills.

Prof. Rahul Kapse
Chairman Alumni Comittee, PHCET

On behalf of the Alumni Committee, I welcome you. One of our goals is to preserve a mutually beneficial, enduring relationship among alums and with the PHCET.

We are constantly seeking meaningful ways to embrace your needs and unite our efforts in the name of PHCET.

I urge you to become an active alumni and share in the exciting activities and opportunities this organization has to offer. There are a variety of ways you can show appreciation and play a part in PHCET's continued success. This includes attending events, cheering for our teams, staying connected to each other and the PHCET, and of course, offering your time and gifts to help PHCET students. Through Newsletter : get involved with the Alumni Association, read about inspiring alumni accomplishments, find out about upcoming alumni activities, learn about on-campus events, volunteer and much more. Wherever you are, at whatever stage of life you are in, there's something here for you. I encourage you to share and use this Newsletter as one way to engage with the Alumni Association and maintain your personal connection to the Institute.

We are excited about the direction and future of the PHCET Alumni Association and look forward to serving and sharing information with you, throughout the year.

LIST OF HOD AND ALUMNI CO-ORDINATOR

Prof. Amar Jadhav
HOD of Automobile Engineering

Prof. Vivek Meshram
Alumni Co-ordinator of Automobile Engineering

Prof. Raju Narwade
HOD of Civil Engineering

Prof. Manisha Jamgade
Alumni Co-ordinator of Civil Engineering

Dr. Rajashree Gadhave
HOD of Computer Engineering

Prof. Nikita Saindane
Alumni Co-ordinator of Computer Engineering

Prof. Pranita Chavan
HOD of Electrical and Computer Engineering

Prof. Aamir Shaikh
Alumni Co-ordinator of Electrical and Computer Engineering

Dr. Mansi Subhedar
HOD of Electronics and Computer Science Engineering

Prof. Priya Tambe
Alumni Co-ordinator of Electronics and Computer Science Engineering

Prof. Srijita Bhattacharjee
HOD of Information Technology

Prof. Sejal Patil
Alumni Co-ordinator of Information Technology

Dr. Gajendra Patil
HOD of Mechanical Engineering

Prof. Aditya Shinde
Alumni Co-ordinator of Mechanical Engineering

DEPARTMENT OF AUTOMOBILE ENGINEERING

The Rise of Electric Vehicles in India: A Path to Sustainable Transportation

MIndia's electric vehicle (EV) industry is at a turning point. As global sustainability discussions grow, India is increasingly adopting electric vehicles to reduce pollution, cut fossil fuel dependence, and boost its automotive sector. Let's explore the current EV landscape, the challenges, and the promising future ahead.

Electric vehicles have gained momentum in India, with companies like Tata Motors, Mahindra Electric, and Ather Energy offering affordable two-wheelers, SUVs, and sedans. Government initiatives like the FAME scheme have spurred growth, but EVs still represent a small part of the vehicle market due to challenges like high upfront costs, limited charging infrastructure, and range anxiety.

Key Challenges

- High Upfront Cost- Although EVs are cheaper to maintain, their initial cost, particularly due to expensive batteries, remains a barrier.
- Charging Infrastructure - India's charging network is still underdeveloped, making long-distance travel or spontaneous EV usage inconvenient.
- Range Anxiety - Even with improved batteries, many consumers remain concerned about an EV's range, especially in rural areas or for long trips.
- Energy Sources - While EVs are clean,

- India's reliance on coal for electricity diminishes their environmental benefits, making a shift toward renewable energy essential.

The Rise of Electric Vehicles in India

Despite these hurdles, India's EV future is promising:

1. Government Support- The government's incentives, including tax rebates and reduced GST, aim to reduce the cost of EVs, while stricter fuel efficiency standards will drive further adoption.
2. Advances in Battery Technology- Ongoing improvements in battery technology will make EVs more affordable, with enhanced range and reduced charging times.
3. Charging Infrastructure Expansion - With companies like Tata Power and BP expanding charging stations, a robust network will soon make EV ownership more practical.
4. Local EV Manufacturing- Homegrown EV makers will cater to Indian consumers' needs, lowering costs and increasing options.
5. Electric Public Transport - Electric buses and shared mobility services like Ola and Uber are

- already incorporating EVs, making sustainable transport more accessible.

The EV market in India is on a promising trajectory. With the right investments in policy, infrastructure, and technology, EVs can play a vital role in reducing carbon emissions, improving air quality, and lowering oil dependence. As EVs become more affordable and convenient, India is poised to become one of the largest EV markets globally.

Aadib Shaikh, Batch 2021

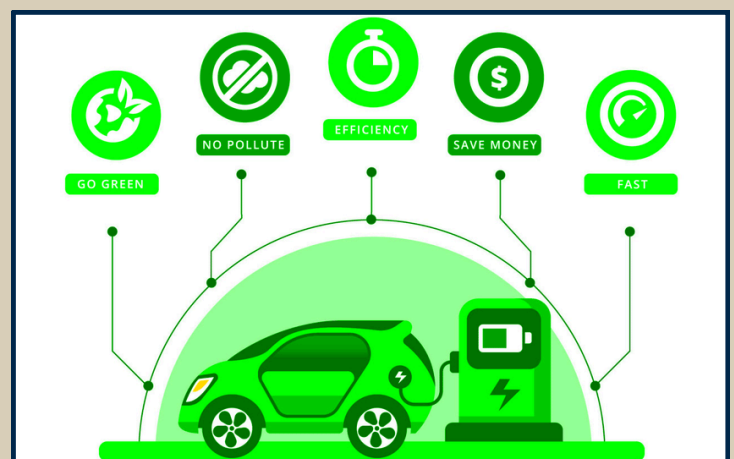## The Multifaceted Contributions of Electric Vehicles to Society

Electric vehicles (EVs) are revolutionizing transportation and making a profound impact on society beyond just environmental sustainability. As the world shifts towards cleaner energy solutions, EVs are playing a crucial role in shaping the future of mobility, technology, urban infrastructure, and economic growth. With continuous advancements in battery technology, smart infrastructure, and policy support, the widespread adoption of EVs is driving significant transformations across multiple sectors.

Technological Advancements and Energy Integration

One of the biggest contributions of EVs is the rapid advancement of battery technology and smart mobility solutions. The demand for high-efficiency lithium-ion batteries, solid-state batteries, and fast-charging systems has accelerated research and innovation in energy storage and management. These advancements are not only improving the performance and range of EVs but also enabling new applications such as vehicle-to-grid (V2G) integration, where EVs can store and supply electricity back to the grid. This technology is helping stabilize energy demand and promote the use of renewable energy sources like solar and wind power.

EVs are also leading to innovations in autonomous driving, artificial intelligence, and digital connectivity. Many modern electric vehicles are equipped with advanced driver assistance systems (ADAS), IoT-enabled diagnostics, and real-time energy monitoring, making them smarter and more efficient. The shift towards connected electric mobility is paving the way for fully autonomoustransportation, which could redefine the way people and goods move in the future.

Urban Transformation and Smart Cities

The rapid adoption of EVs is reshaping urban landscapes and contributing to the development of smart cities. Governments and municipalities are investing in EV-friendly infrastructure, such as dedicated EV lanes, widespread charging stations, and battery-swapping facilities. This shift is leading to a cleaner and more organized urban

transportation system, reducing congestion and pollution in densely populated areas. With cities embracing green transportation policies, electric buses, taxis, and ride-sharing services are becoming an essential part of sustainable urban planning.

EVs are also making cities quieter and healthier by significantly reducing noise pollution and air contamination. Unlike internal combustion engine (ICE) vehicles, which produce high levels of carbon monoxide, nitrogen oxides, and particulate matter, EVs operate silently and emit no harmful pollutants. This is especially beneficial in metropolitan areas, where air pollution-related health issues such as respiratory diseases and cardiovascular problems are on the rise.

Economic Growth and Job Creation

The shift to electric mobility is creating new economic opportunities by driving investments in EV manufacturing, battery production, and charging infrastructure development. Countries worldwide are allocating billions of dollars to accelerate EV adoption, leading to job creation in engineering, research, and energy management sectors. Businesses involved in EV maintenance, charging services, and recycling are also experiencing rapid growth, contributing to a diversified and sustainable economy.

Companies like Montra Electric, a subsidiary of the Murugappa Group, are leading the transition in India by offering electric three-wheelers and commercial EVs that cater to both passenger and logistics needs. With a focus on affordable and high-performance electric mobility, Montra

Electric is helping small businesses and fleetoperators reduce their operational costs while contributing to a greener future.

A Sustainable and Inclusive Future

The impact of EVs goes beyond just reducing carbon footprints; they are fostering a more inclusive and energy-independent society. With lower operating costs and government incentives, EVs are becoming more accessible to a larger population, ensuring that sustainable transportation is not just a luxury but a necessity. As technology continues to evolve, electric mobility will play a key role in energy security, economic resilience, and social equity, making the world cleaner, smarter, and more connected.

Kunal P. Dalvi , Batch 2020

DEPARTMENT OF CIVIL ENGINEERING

EXPERIENCE Shared BY Swaroop Kolekar

My journey in civil engineering has been an exciting and fulfilling one, marked by both challenges and achievements. It all began in 2015 when I enrolled at Pillai HOC College of Engineering and Technology, Rasayani, to pursue my Bachelor's degree in Civil Engineering. During my time at college, I was not only immersed in academics but also in life lessons that shaped me as an individual. The college taught me the importance of living life to the fullest, making new friends, and embracing celebrations and milestones. However, the most significant lesson I learned was how to manage and handle pressure. Civil engineering is a field that demands precision, attention to detail, and the ability to work under tight deadlines, and these experiences helped me build the resilience required for my future career.

Upon completing my graduation, I decided to further enhance my expertise by pursuing a post-graduate degree in Project Management from NICMAR (National Institute of Construction Management and Research). My time at NICMAR deepened my understanding of construction management and gave me the tools to approach complex projects systematically. With this additional qualification, I felt equipped to take on more responsibilities and contribute to the evolving construction industry.

Today, I am working as an Assistant Manager at

L&T Realty, where I am responsible for managing the construction of five 18-story towers. This role has given me an incredible opportunity to be involved in a large-scale, challenging project from start to finish.

One of the most exciting aspects of this project is overseeing the construction of more than 350 luxury flats, which will soon be handed over to customers. From excavation to final handover, I have gained hands-on experience in every stage of the project.

One of the first milestones we reached was the excavation phase, which required the removal of 2,07,000 cubic meters of earth using controlled blasting techniques. This was a complex and demanding process, but it was crucial for setting the foundation of the towers. During the foundation phase, we opted for temperature-controlled concrete to ensure better quality and durability, an experience that deepened my technical understanding of concrete mixing and pouring under varying temperature conditions
Another unique experience during the project was using sacrificial shuttering in the raft foundation. This approach was both innovative and challenging, as it allowed us to achieve better structural integrity and cost efficiency.

As the project progressed, I oversaw the pouring of approximately 80,000 cubic meters of concrete, with an impressive rate of 3,000 to 4,000 cubic meters per

the well-being of everyone on the site. This achievement is a significant milestone and underscores the importance of maintaining high safety standards in large construction projects.

Looking back, my journey from Pillai HOC College to NICMAR and now with L&T Realty has been a remarkable one. The skills, knowledge, and experiences I have gained along the way have prepared me for the challenges of the construction industry, and I am excited to continue growing and contributing to future projects. The road ahead is filled with opportunities, and I look forward to the many more mile stones yet to come.

Swaroop Kolekar, Batch 2018

EXPERIENCE Shared BY Akash Patil

PHCET stands out as a beacon of excellence, offering an unparalleled educational experience. As a proud student, I can attest to the institution's commitment to professionalism, progressiveness, and providing exceptional facilities. The college boasts state-of-the-art infrastructure, with modern classrooms, well-equipped laboratories, and a vast library. The campus is designed to foster a conducive learning environment, promoting academic growth and exploration. The management's focus on innovation and technology ensures students stay ahead of the curve.

Faculty comprises experienced and dedicated educators who mentor students with passion and expertise. Their guidance and support have been instrumental in shaping my academic journey. The college's emphasis on extracurricular activities, sports, and cultural events encourages holistic development, allowing students to discover their hidden talents. I thoroughly enjoy my time at PHCET, surrounded by like-minded individuals who share my enthusiasm for learning. The campus vibrates with energy, as students engage in lively discussions, participate in clubs and societies, and build lifelong friendships. The college's strong industry connections and placement record further reinforce its reputation as a hub for future-ready professionals.

In conclusion, Pillai HOC's unique blend of academic excellence, innovative spirit, and supportive community makes it the best college. I feel privileged to be a part of this institution, where I can grow, learn, and thrive.

Akash Patil, Batch 2018

The Importance of Networking for Career Growth

Networking is an essential skill for personal and professional development. Whether you're an alum attending a college reunion or a recent graduate entering the workforce, building and maintaining a strong network can open doors to numerous opportunities.

At its core, networking involves establishing relationships with individuals who share similar interests or career goals.

These connections can be with peers, industry professionals, mentors, or alumni from your college. Networking is more than just exchanging business cards; it's about cultivating relationships that provide value to both parties.

One of the key benefits of networking is the ability to access job opportunities. Many positions are filled through referrals or recommendations from people within your network, rather than through traditional job applications. Networking helps you stand out and gives you an edge in competitive industries.

Moreover, networking can help you gain insights into industry trends, challenges, and best practices. By engaging with experienced professionals, you can learn from their experiences and apply valuable lessons to your own career. It also allows you to stay updated on relevant developments in your field.

Additionally, networking provides emotional support and encouragement, especially during difficult times in your career. Having a solid professional network means you have a group of individuals to lean on for advice and motivation. In today's digital age, networking isn't limited to in-person meetings. Platforms like LinkedIn allow you to connect with professionals across the globe. Online networking has become a powerful tool, allowing individuals to maintain relationships, share knowledge, and explore global opportunities.

In conclusion, networking is an invaluable tool for career growth. Whether through face-to-face interactions or digital platforms, cultivating a network of strong professional relationships can enhance your career trajectory and help you navigate challenges with greater ease.

Shraddha Mhatre, Batch 2021

The Unparalleled Role of Civil Engineers in India's Growth Story

India's rapid development trajectory has created an unprecedented demand for civil engineers, especially in the government sector. As the nation charts its ambitious path toward becoming a $10 trillion economy, infrastructure and urban development are at the core of this transformation. The growing focus on roads, railways, housing, smart cities, and renewable energy has put civil engineers at the forefront of nation- building.

For a civil engineer in today's Indian market, the advantages are immense:

1. Diverse Opportunities: From designing mega-projects like highways and metro rail systems to

redeveloping slums, the scope of work is both challenging and rewarding.

2. Job Security in the Public Sector: With the government prioritizing infrastructure, civil engineers enjoy robust career stability in PSUs and organizations like MHADA, SRA, and PWD.

3. Nation-Building Impact: Unlike other professions, civil engineers directly contribute to creating assets that drive growth and uplift lives. Every project reflects a legacy of development.

4. Leadership in Redevelopment: Urban redevelopment projects are critical in reshaping cities. Civil engineers play a vital role in transforming old structures into sustainable modern hubs.

5. Technological Edge: The adoption of AI, GIS mapping, and green technologies in government projects empowers engineers to innovate and lead.

Being a Class-1 government engineer, I've experienced firsthand the challenges and triumphs of contributing to India's growth. My journey has been shaped by perseverance and determination, qualities I honed over years of preparation.

This story is about Sagar Madhav Veer, Deputy Engineer Class-1 Officer, Bandra Division, Mumbai Board, Maharashtra Housing and Area Development Authority (MHADA). I have been fortunate to contribute to the redevelopment and safeguarding of land in prime locations like

Bandra Kurla Complex (BKC)—a region where every inch of land is worth its weight in gold. My work involves rehabilitating slum dwellers, providing them dignified homes through MHADA and the Slum Rehabilitation Authority (SRA). It's a responsibility I deeply value, knowing that even a small contribution can make a big difference in shaping a better Mumbai.

But my path wasn't easy. I was an average student, and it took me five years to clear the competitive exams for this role a journey of resilience and relentless effort. For those aspiring to follow a similar path, let me say this: you don't need to be the brightest student to achieve your dreams. What matters most is your willpower and determination. These are the qualities that push you ahead of others and help you carve your place in this world.

Civil engineering isn't just a profession; it's a chance to serve the nation and leave behind a legacy of development. I am proud to have chosen this path, and I encourage all aspiring engineers to keep pushing forward, no matter how tough the journey seems.

Let's continue to build a stronger, smarter, and sustainable India-brick by brick.

Sagar Madhav Veer, Batch 2018

"Celebrating 7 Incredible Years in Real Estate – Building Dreams, One Project at a Time!

As I reflect on my journey as a Civil Engineer, I am filled with pride and gratitude. Over the past 7 years, I've had the privilege of working on a variety of projects that have allowed me to grow both professionally and personally. From the foundations of hospital buildings that support our healthcare heroes, to the walls of residential buildings where families create memories, each project has been a stepping stone in shaping our built environment.

I've had the honor of contributing to commercial spaces, malls, and institutions, places where business, innovation, and education thrive. But the most special of all has been working on religious buildings and temples, preserving heritage while creating spaces that inspire and connect people.

Every day in the real estate industry brings new challenges and opportunities. The complexity of the projects, the dedication to quality, and the ability to see abstract plans transform into tangible, impactful structures keeps me motivated.

Real estate isn't just about buildings – it's about shaping the future, creating spaces where people live, work, heal, and worship. Grateful for the experiences, the lessons learned, and the opportunity to make a lasting impact on our cities and communities.

Here's to many more years of learning, growth, and creating spaces that matter!

#CivilEngineer #RealEstateJourney #BuildingTheFuture #Grateful #Architecture #ConstructionLife #MakingADifference #7YearsInRealEstate

Shrenik Dinesh Shah, Batch 2021

DEPARTMENT OF COMPUTER ENGINEERING

A Journey of Excellence in Data Engineering

My career trajectory exemplifies the fusion of academic excellence and professional achievement in the dynamic field of data engineering. With a commitment to both innovation and continuous learning, I have carved a niche for myself as a Senior Data Engineer at First National Bank - South Africa (FRSPL).

My academic journey began with outstanding performance in my undergraduate studies. Graduating with a Bachelor of Engineering in Computers, I ranked 11th in Mumbai University, achieving a commendable score of 8.75. This achievement set a high standard for my future endeavors, and my drive for excellence led me to pursue a Master of Science in Data Analysis for Business Intelligence at the University of Leicester, United Kingdom. Graduating with distinction, I obtained an impressive 81.4% in my MSc program, laying the foundation for successful career in data analytics.

My professional career began at LTIMindtree, a global leader in technology services, where I showcased my problem-solving skills and innovative mindset. My contribution to innovative solutions did not go unnoticed, as I was honored with the PathFinder Award in November 2019. This recognition, awarded for my innovative solutions and "go the extra mile" attitude, highlighted my dedication and ability to deliver impactful results.

As a firm believer in professional development, I also earned Microsoft Azure certification in Data, further bolstering my technical expertise. This certification provided me with advanced tools and knowledge to enhance data architecture and contribute to business intelligence in a meaningful way.

Today, I continue to apply my academic and professional knowledge at First National Bank – South Africa, where I play a pivotal role in driving the organization's data strategies. My work continues to reflect my passion for innovation, data-driven decision-making, and operational excellence, ensuring that I remain at the forefront in my field. Through a combination of strong academic foundations, continuous professional growth, and an unwavering commitment to excellence, I serves as an inspiring example of how dedication and expertise lead to success in the fast-paced world of data engineering.

Srijeet Mohan Nair, Batch 2019

A Journey of Hard Work, Determination, and Legacy

As I look back on my college years, one of the most cherished memories is the journey of organizing HackOverflow 1.0, a National-level hackathon, alongside Rishabh Mehta, my co-organizer (<<<Bhai), supported by an incredible team of passionate fellow friends.

The entire event was planned and executed from scratch in just 2.5 months. From ideation to execution, every detail—venue setup, sponsorships, registrations, logistics, and event coordination—was handled by us, a group of determined individuals driven by a shared vision. It wasn't always easy, but our hard work, sleepless nights, and unwavering dedication paid off when the event turned out to be a huge success.

HackOverflow 1.0, held on **March 16-18, 2023**, at **Pillai HOC College of Engineering and Technology**, was a 36-hour hackathon that brought together over **150+ registrations** from **15+ states across India**. After shortlisting, **62 teams** competed in an intense but exciting challenge. Despite the stress and challenges, we made sure to enjoy the journey—from brainstorming ideas to tackling last-minute issues. Also a big shoutout to all these students who participate in hackathons! Your energy, determination, and willingness to push boundaries are truly inspiring. Whether it's sleepless nights, long hours of coding, or traveling from different places.

LEADS, HACKOVERFLOW 1.0

This incredible experience taught us the importance of teamwork, time management, and problem-solving on the go. It wasn't just an event; it was a transformative journey that shaped us as individuals and professionals.

The lessons from HackOverflow 1.0 have left a lasting impact on my professional journey. Organizing this event helped me develop invaluable skills such as project management, leadership, communication, and strategic thinking—qualities that are essential in the corporate world. As a Product & Project Manager at a startup and being selected among the Super 40 of the company out of 350 employees, these experiences have also equipped me to stand strong and thrive in the competitive world, and deliver results under pressure & setting me apart in both my personal and professional endeavors.

Moreover, HackOverflow 1.0 also ignited an entrepreneurial spark in me. Seeing the innovative solutions that participants came up with and how the event unfolded got me thinking about real-world problems and how technology can be a key part of the solution. It helped me realize the importance of spotting market needs, working with the right people, and executing ideas effectively. This experience pushed me to

start brainstorming startup ideas and gave me a better understanding of how to bring them to market successfully.

I'm especially grateful for the support of our college management, principal Dr. Jagdish (JW) Bakal, HOD Ms. Rohini Bhosale, and faculty coordinators Prof. Abhijeet More and Prof. Archana Augustine, who guided us at every step. To our sponsors and participants—you played a vital role in making HackOverflow 1.0 a grand success, and we're forever thankful.

What makes this memory even more special is that the legacy of HackOverflow continues to thrive. Each year, Juniors take up the mantle, adding their own creativity and ideas to make the event bigger and better. Seeing the hackathon evolve and achieve even greater heights fills us with pride.

This journey would have been incomplete without Rishabh Mehta, whose collaboration, support, and shared passion made this event possible. Together, we navigated challenges, celebrated wins, and created unforgettable memories.

HackOverflow 1.0 wasn't just about organizing a hackathon; it was about fostering innovation, building connections, and creating a platform for problem-solvers to shine. It helped me develop the confidence to explore startup ideas and understand the nuances of taking those ideas to market. As I reflect on this journey, I'm filled with gratitude for the lessons it taught me, the friendships it strengthened.

Here's to the hard work, determination, and the enduring legacy of HackOverflow—proof that when fellow friends come together with passion and purpose, they can achieve the extraordinary and pave the way for even greater dreams.

Prathamesh Pandey, Batch 2023

A Journey of Perseverance and Academic Excellence

I currently serve as an Assistant Professor at Pillai HOC College of Engineering. My journey is a testament to perseverance, continuous learning, and academic growth. Transitioning from an average student to a faculty member at the same institution, I exemplify dedication, resilience, and a commitment to academic excellence.

I began my academic journey at Pillai HOC College of Engineering, enrolling in the Bachelor of Engineering (BE) program in Computer Engineering. Like many students in a competitive academic environment, I faced challenges during my undergraduate years. I graduated in the 2018-19 batch with a CGPA of 6.96. While this may be considered an average score, my undergraduate years were a period of immense growth and learning. Despite initial struggles, my dedication to studies and self-improvement remained steadfast, laying the foundation for my future endeavors.

Following my BE degree in 2019, I took on the role of Teaching Assistant (TA) at Pillai College of Engineering, Panvel. This opportunity allowed me to apply my academic knowledge while supporting students, marking the beginning of my career in academia. As a Teaching Assistant, I

refined my teaching skills, deepened my understanding of core subjects, and developed a passion for mentoring young minds. This experience provided invaluable insights into the teaching profession and reinforced my commitment to continuous academic and professional development.

In 2019, driven by a desire for further academic advancement, I pursued a Master of Engineering (ME) in Computer Engineering at Pillai College of Engineering, Panvel. This decision proved to be a pivotal moment in my academic career, reflecting my dedication to enhance my knowledge and expertise. Over the next five years,I worked diligently to excel in my postgraduate studies, culminating in the completion of my ME Computer in February 2024 with an outstanding CGPA of 9.25. This significant improvement in academic performance highlights my determination, adaptability, and commitment to excellence.

Upon completing my Master of Computer Engineering, Pallavi transitioned into a full-time academic role, joining Pillai HOC College of Engineering and Technology,Rasayani as an Assistant Professor in the Computer Engineering department in 2024. This role allows me to contribute to the institution that played a crucial role in my own education while shaping the next generation of engineers.

My journey—from an average student to a dedicated educator—serves as an inspiration to those who believe that academic success is solely defined by grades.My story underscores the significance of perseverance, continuous learning, and a growth mindset in achieving personal and

professional goals. With my strong academic background, passion for teaching, and unwavering commitment to knowledge, I am poised to make a substantial impact in the field of Computer Engineering and academia.

कंप्यूटर इंजीनियरिंग में कभी कुछ भी आसान नहीं था,
प्रॉक्सी के लिए क्लास छोड़ते थे, ऐसा कुछ भी शराफत नहीं था।
टीचर के शाउद्व में, डर के साये रहते थे,
असाइनमेंद्व न जमा करने पर, हम सब बस छिपते रहते थे।

रातों को जागकर, कोड लिखते थे हम,
हर प्रोजेक्ट के दबाव में, जीते थे हम हर कदम।
सिस्टम से लेकर नेटवर्क तक, बग्स थे हर ओर,
लेकिन दोस्ती का साथ था, जो बनाता था मजबूत हर कदम

प्रोफेसर की डांट में, कभी दिल घबराया,
लेकिन दोस्तों के साथ हर मुश्किल को हल किया।
इंजीनियरिंग का सफर था, थोड़ी परेशानियों से भरा,
लेकिन यारी और मेहनत ने हमें हर बार जीत दिलवाया।

इंजीनियरिंग की किताबें चाहे जितनी भी भारी,
पर दोस्तों के साथ सब कुछ आसान था यारी।
तेरे जैसा यार कहाँ, ये तो सच्ची बात है,
इंजीनियरिंग और दोस्ती, बस यही हमारी सौगात है।

As I continue my academic career, I stand as a role model for students and educators alike. My journey will undoubtedly inspire future generations at Pillai HOC College of Engineering and Technology, Rasayani and beyond, encouraging them to strive for excellence and embrace challenges with determination and resilience.

Pallavi Marulkar , Batch 2019

A Journey of Growth and Gratitude

Hey everyone! I'm excited to share a bit of my journey with all of you. Looking back, it's hard to believe how far I've come—from my time at Pillai Hoc College of Engineering to pursuing my master's degree at Indiana University in the U.S. The journey has been filled with learning, challenges, and growth.

My engineering journey started at Pillai Hoc College, where I was given a strong academic foundation that has been crucial throughout my career. But it was not about books—getting involved in clubs and extracurricular activities was where I really grew. Being part of the Google Developer Student Club (GDSC) and Hack Club helped me develop technical skills, collaborate with talented peers, and take on new challenges. These experiences taught me leadership, teamwork, and how to solve real-world problems. One of the most memorable moments was participating in the Smart India Hackathon, where our team won! It was an unforgettable experience that pushed me to think creatively and work hard with an amazing group of people.

When I entered my Final year, I decided to pursue my master's degree at Indiana University. The transition to a new country and culture was challenging, but it was also one of the best decisions I've made. Indiana University offered me the opportunity to dive deeper into my field, engage in hands-on projects, and collaborate with brilliant people from around the world. The academic environment was challenging but rewarding, and it broadened my perspectives on what's possible in the tech world.

What I value most from my journey at both Pillai Hoc College are the friendships I've made. Whether it was during late-night study sessions, celebrating small victories, or working together on projects, I've learned so much from them. I've also learned that success is about more than just academics—it's about collaboration, resilience, and making the most of every opportunity.

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I want to take a moment to thank all the staff and professors at Pillai Hoc College who supported me along the way. And a huge shout-out to my friends who stayed by my side through thick and thin—you know who you are! Your belief in me made all the difference.

A special thanks to my parents, who have been my biggest supporters. It wasn't always easy, but they never doubted me. Their constant encouragement and belief in me made this entire journey possible. Looking back, it's incredible to see how far I've come. From Pillai Hoc College to now studying in the U.S., I've learned so much about technology, about myself, and what it takes to succeed. But I know this is just the beginning. There's so much more to learn and I'm excited for the next chapter. To everyone reading this: believe in yourself. Never doubt what you can achieve. You can do anything you set your mind to. Keep pushing forward, and amazing things will happen! Thank you for being a part of this journey!

Khushbu Bhatia, Batch 2023

From Passion to Triumph: My Journey Through Sports and Academics

As a proud student of PHCET- Computer Engineering (Batch 2019-2023), my journey has been a blend of academic pursuits and the relentless chase of my passion for sports. Each year at PHCET brought new challenges and opportunities, allowing me to excel in my field and grow as an individual. Here's a glimpse of the milestones I achieved during my college years and beyond.

Achievements During My College Years

First Year (2019):
The beginning of my sports journey at PHCET was marked by a remarkable victory at the All Maharashtra Litma Wushu Championship, held on 27-28 December 2019. Competing against some of the best talents in the state, I emerged victorious, securing the Gold Medal.

Third Year (2021):
As my skills and dedication grew, I participated in the Inter-Collegiate Kokan Zone Boxing Competition from 11-13 November 2021. This event was a turning point as I secured a Gold Medal, showcasing my passion for boxing and my commitment to continuous improvement.

Final Year (2023):
In my final year, I ventured into the world of Icestock sports, an emerging sport in India. Competing in the 1st Mumbai Zonal Icestock Championship 2023, held at Navi Mumbai Police Headquarters, I earned a Silver Medal, further broadening my horizons as a sportsperson.

Achievements After Graduation

After completing my engineering degree, I delved deeper into sports, representing Maharashtra at

at various prestigious events across the nation. My achievements include:

State Icestock Sports Championship 2023, Kolhapur:
Achievements: *2 Gold, 1 Silver, 1 Bronze.*

Summer National Icestock Sports Championship 2023, Pune Balewadi:
Achievements: *2 Silver, 1 Bronze.*

Winter National Selection Trials 2023:
Achievements: *Silver.*

10th Winter National Icestock Sports Championship 2024, Kashmir Gulmarg:
Achievements: *2 Gold, 1 Bronze.*

State Icestock Summer Sports Championship 2024, Solapur:
Achievements: *1 Gold, 1 Bronze.*

Summer National Icestock Sports Championship 2024-25, Srinagar Kashmir:
Achievements: *2 Gold, 1 Bronze.*

1st National Pelota Vasca Championship 2024, Srinagar Kashmir:
Achievement: *Silver Medal.*

2nd National Pelota Vasca Championship 2024, Srinagar Kashmir:
Achievement: *Silver Medal.*

Leadership and Contributions

Alongside competing, I also took on key leadership roles to contribute to the development of sports:

Icestock Sports Association of Maharashtra: Elected as General Secretary and District Representative of Raigad District.

Indian Pelota Vasca Federation: Appointed as IT-TSR, responsible for technical sports-related tasks.

Maharashtra State Pelota Vasca Association Board: Elected as Vice-President, contributing to the promotion and growth of this unique sport.

Looking Ahead

My journey in sports continues to reach new heights. I am honored to have been selected to represent Maharashtra in the 11th Winter National Icestock Sports Championship 2025 as part of the senior team. Furthermore, I am thrilled to share that I will be representing India at the prestigious Icestock World Championship 2025, to be held in Austria. This global stage is an incredible opportunity to showcase my skills and bring pride to my country.

Reflection

My time at PHCET played a crucial role in shaping my career and nurturing my passion for sports. The unwavering support from my faculty, mentors, and peers gave me the confidence to balance academics with my rigorous sports schedule. Each victory, whether in college or after graduation, is a testament to hard work, perseverance, and the belief that dreams can be achieved with dedication.

I hope my journey inspires my fellow students to pursue their passions relentlessly and make the most of the opportunities that come their way.

Sanskruti Sandesh Gharat, Batch 2023

The Transformative Power of Extended Reality in the Medical Field

The world stood still when my grandmother suddenly collapsed from a heart attack. We rushed her to the hospital, terrified and uncertain. The doctors informed us that only one of her arteries was still functional, and the situation was more critical than it sounds because of her old age and her medical history. They were unsure whether to proceed with a high-risk surgery or try a less invasive option, neither of which offered much hope. We were left waiting, helpless, not knowing what to expect. While waiting at the hospital lobby, I thought to myself, if there was a way for doctors to have a chance to hit and try? What if AI and Extended Reality (XR) could simulate her condition and allow doctors to try different treatments without risking her life? That night I kept looking up on the internet to see how much of this has already been researched, and I realized how powerful this kind of technology could be—not just for my grandmother, but for so many people facing life-or death situations.

Extended Reality (XR), which encompasses Virtual Reality (VR), Augmented Reality (AR), and Mixed Reality (MR), is no longer confined to the realms of gaming or entertainment. It has evolved into a ground-breaking technology capable of transforming industries, with healthcare being one of the most promising domains. In the medical field, XR offers opportunities that can enhance diagnosis, treatment, training, and patient care.

Revolutionizing Medical Training :

One of the most impactful applications of XR in healthcare is in medical education and training. Using VR, medical students and professionals can step into a simulated operating room and perform surgeries on virtual patients. These environments replicate real-life scenarios, complete with dynamic physiological responses. This allows for repeated practice, experimentation, and even the exploration of rare or high-risk cases without endangering patients. For instance, practicing heart surgery or neurosurgery in a virtual environment gives doctors the opportunity to perfect their skills before entering the operating room. This level of preparation can significantly reduce surgical errors and improve outcomes for patients.

Enhancing Patient Diagnostics and Care :

XR is not just for doctors; it directly benefits patients as well. AR can provide real-time overlays of a patient's medical data during consultations or surgeries. For example, a surgeon performing a minimally invasive procedure could use AR glasses to visualize the exact position of blood vessels, nerves, or tumors beneath the skin. This not only improves precision but also reduces the likelihood of complications. Moreover, VR is being used for pain management and rehabilitation. Patients suffering from chronic pain, anxiety, or post-traumatic stress disorder (PTSD) can engage in immersive VR environments to distract and relax their minds. Similarly, VR-based rehabilitation programs can make physical therapy more engaging and effective for stroke or injury recovery.

Overcoming Challenges and Looking Ahead :

While XR is poised to revolutionize healthcare, challenges remain. The technology is still expensive, making widespread adoption difficult. Additionally,

regulatory approval and ensuring patient data privacyare critical hurdles that need to be addressed. Despite these challenges, the potential benefits far outweigh the obstacles. With continued research, investment, and innovation, XR can bridge the gap between theoretical possibilities and practical applications. Imagine a future where no family has to endure the helplessness I felt in that hospital lobby—a future where doctors have the tools to save lives with greater certainty and precision.Extended Reality is not just a technological advancement; it is a beacon of hope for better, safer, and more efficient healthcare.

Parth Shringarpure, Batch 2022

Trends in IT (Shaping future through technology)

The Information Technology (IT) industry is continuously evolving, driven by groundbreaking innovations and emerging trends. As businesses and individuals alike seek to harness the power of technology, understanding these trends is crucial. Here, we delve into some of the most transformative

1. Hyperautomation

Hyperautomation refers to the application of advanced technologies like artificial intelligence (AI), machine learning (ML), and robotic process automation (RPA) to automate complex business processes. Unlike traditional automation, hyperautomation aims to augment human capabilities by streamlining operations, reducing manual effort, and enhancing efficiency. Organizations leveraging hyperautomation can

achieve improved accuracy, faster decision-making, and significant cost savings.

2. Quantum Computing

Quantum computing represents a paradigm shift in computational power. Unlike classical computers that use bits as the smallest unit of data, quantum computers use qubits, which can exist in multiple states simultaneously. This allows quantum computers to process complex calculations at unprecedented speeds. Industries such as cryptography, pharmaceuticals, and financial modeling stand to benefit immensely from the advancements in quantum computing, paving the way for solutions to problems previously deemed unsolvable.

3. DevSecOps

DevSecOps integrates security practices within the DevOps process, ensuring that security is a core component of the software development lifecycle. By embedding security from the outset, organizations can identify and mitigate vulnerabilities early, reducing risks and enhancing compliance. This approach fosters a culture of shared responsibility among development, operations, and security teams, leading to more robust and secure applications.

4. Edge Computing

As the demand for faster data processing grows, edge computing is becoming increasingly vital. Unlike traditional cloud computing, which centralizes data processing in remote data centers, edge computing brings computation and data storage closer to the source of data generation. This reduces latency, improves real-time data processing, and enhances the performance of applications like IoT devices, autonomous vehicles, and smart cities.

5. Artificial Intelligence (AI) and Machine Learning (ML)

AI and ML continue to be at the forefront of IT innovation. These technologies enable machines to learn from data, make decisions, and perform tasks that typically require human intelligence. From personalized recommendations in e-commerce to predictive maintenance in manufacturing, AI and ML are transforming industries by improving efficiency, accuracy, and customer experiences

Ronit Patil, Batch 2023

From Classrooms to Careers: The Transformative Power of My College Experience

My college journey was more than just attending lectures and cramming for exams. It was a transformative experience that instilled in me invaluable skills and laid the foundation for my professional career.

One of the most impactful aspects was Project Based Learning. Stepping out of the traditional lecture and exam format, we were encouraged to work on real-world projects, collaborating with peers and tackling challenges head-on. This hands-on approach not only solidified theoretical concepts but also honed essential skills like problem-solving, critical thinking, teamwork, and time management. These skills are invaluable in any professional setting, and I continue to rely on them daily.

Beyond academics, I actively sought opportunities to contribute to the college community. I spearheaded the establishment of a cyber security club, recognising the growing importance of digital security in today's interconnected world. This initiative allowed me to delve deeper into a field that fascinated me, organise workshops and seminars, and foster a community of like-minded individuals passionate about cybersecurity. The leadership, organisational, and communication skills I developed during this venture proved invaluable in my professional endeavour.

Furthermore, I had the privilege of heading the Computer Society of India (CSI) student chapter at my college. This role provided me with a unique platform to organise technical events, interact with industry professionals, and represent the interests of fellow computer science students. Leading this organisation instilled in me a sense of responsibility, the ability to motivate and inspire others, and the importance of effective communication and networking. These experiences significantly enhanced my leadership and interpersonal skills, which are crucial for career advancement.

And of course, no college experience is complete without the vibrant tapestry of social life and cherished memories. The annual college fest, "Euforia," was a highlight for many. From the electrifying performances and pulsating music to the

moments remain etched in my memory. The late-night study sessions, the heated debates over a cup of coffee, the friendly rivalries in sports – these seemingly small moments woven into the fabric of college life contributed significantly to my personal growth and helped me build lasting friendships.

In conclusion, my college journey was more than just academics. It was a period of personal and professional growth, where I developed a strong foundation of knowledge, honed essential skills, and gained valuable experiences that have shaped my career trajectory. The project-based learning, the establishment of the cyber security club, my leadership role at CSI, and the cherished memories of "Euforia" and countless other experiences all played a significant role in my development, equipping me with the skills and confidence to navigate the professional world successfully.

Hussain Manasawala, Batch 2019

From Average to Achiever: A Journey of Transformation and Growth

My journey began in 2015 when I joined Pillai HOC College of Engineering and Technology (PHCET) as an undergraduate student in Computer Engineer. Stepping into the campus, I was an average candidate filled with aspirations but unsure of my path. Four years later, in 2019, I emerged not just as a graduate but as a transformed individual, armed with valuable life lessons, lifelong friendships, and a vision for my future.

At PHCET, I found a nurturing environment that encouraged growth in all dimensions. Academically, I gained the technical knowledge that laid the foundation for my career. Beyond the classroom, I represented the college in university sports such as

swimming and football. My proudest moments were winning medals in swimming every year during inter-Pillai sports events, which taught me perseverance and discipline.

The college experience also helped me develop essential qualities like leadership and teamwork. These traits proved invaluable during my final year when I secured a placement with Headstrait, a technology company. As a full-stack developer at Headstrait, I dived into the corporate world, learned emerging technologies, and led projects that ignited my passion for continuous learning.

Motivated by my experience, I decided to pursue higher education. I cracked the entrance exam for one of the top 10 NIRF-ranked universities, Vellore Institute of Technology (VIT), where I enrolled in the M. Tech program specializing in Artificial Intelligence and Machine Learning. My time at VIT was transformative. I graduated as a rank holder, securing the 7th position in the AI and ML batch, and earned placements in esteemed companies such as Intel, Alstom, and Wolters Kluwer. For my internship, I chose Alstom, where I worked as a Python Developer for a year before joining Wolters Kluwer as a permanent employee. Over the past two years, I've grown into the role of Lead Data Engineer, managing teams, projects, and continually expanding my skills. Amid my professional journey, I felt the need to broaden my horizons further. I decided to pursue an

MBA in Business Analytics at BITS Pilani. After clearing their entrance exam and interview, I successfully completed my first semester, adding strategic and managerial skills to my technical expertise.

Parallel to my academic and professional pursuits, I also explored opportunities in the defence sector. I cleared the CDS examination for the Indian Armed Forces and was shortlisted for interviews (SSB) seven times. Although I wasn't selected, the experience instilled resilience and a deep respect for discipline and service.

Sports remain a significant part of my life. I actively participate in Mumbai leagues like MDFA and continue swimming, which helps me stay balanced and focused.

In bottom row chest number 5

Piyush Rakesh Kumar, Batch 2019

some glimpses from indian army interviews

Looking back, my time at PHCET was pivotal in shaping the person I am today. It was the launchpad for my transformation from an average student to a rank-holding professional and a lifelong learner. To current students and fellow alumni, I say this: embrace every opportunity, challenge yourself, and never stop learning. Your journey, like mine, can be a story of extraordinary growth and achievement.

DEPARTMENT OF ELECTRICAL ENGINEERING

EXPERIENCE Shared BY Niraj Chaudhari

I am Er. Niraj Chaudhari, a proud graduate of the Electrical Engineering Department, Batch of 2021. Looking back at my time at Pillai HOC College, I realize how crucial it was in shaping my career and personal growth. One of the most transformative experiences I had was participating in the Entrepreneur Development Programs that was run by the college. This program ignited my passion for entrepreneurship and equipped me with the skills and mindset necessary to venture into the business world.

Today, I serve as the Director of Soyo Systems company, where I lead innovative solar projects and strategic growth initiatives. The lessons learned through the college along with the technical knowledge gained in engineering have been instrumental in my success. I am grateful to Pillai HOC for fostering an environment that encourages entrepreneurship and innovation.

To current students, my advice is to take full advantage of the opportunities available to you. Embrace new challenges, and never hesitate to explore your passions. My journey from an engineering student to an entrepreneur wouldn't have been possible without the support of this college and its programs.

Thank you, Pillai HOC college & my respected teacher's and Guru's for being a stepping stone to my success.

Niraj Chaudhari, Batch 2021

EXPERIENCE Shared BY Omkar Natekar

I am Er. Omkar Natekar a proud graduate of the Electrical Engineering Department, Batch of 2019. It was great memories at Pillai HOC College, I realize how crucial it was in shaping my career and personal growth. One of the most transformative experiences I had was participating in the technical events organised by college which builds team leadership qualities in me.

Today, I serve as the Senior Associate in Infosys. The lessons learned through the college along with the technical knowledge gained in engineering have been instrumental in my success. I did my M.S. from UK and I am grateful to Pillai HOC for fostering an environment that encourages entrepreneurship and innovation.

Omkar Natekar, Batch 2019

EXPERIENCE Shared BY Omkar Gosavi

I am Er. Omkar Gosavi a proud graduate of the Electrical Engineering Department, Batch of 2022. It was great memories at Pillai HOC College, I realize how crucial it was in shaping my career and personal growth. One of the most transformative experiences I had was participating in the Urja 2K22 events organised by college where we won 1st prize which boosts my confidence for my future career.

Today, I serve as the Energy In Motion (Jr Manager Operations). The lessons learned through the college along with the technical knowledge gained in engineering have been instrumental in my success.I am grateful to Pillai HOC for fostering a environment

that encourages entrepreneurship and innovation.

Omkar Gosavi, Batch 2022

EXPERIENCE Shared BY Shweta Hajare

2020 Batch passout student of Pillai HOC College of Engineering and Technology. My journey was nothing short of transformative. As a proud alumna of the Electrical Engineering Department, I can confidently say that the support and guidance I received from the professors were pivotal in shaping not only my professional career but also my personal development. The professors at PCE are incredibly supportive, always ready to assist with any challenges, whether academic or personal. Their mentorship played a crucial role in my growth, helping me navigate through the complexities of engineering studies and life.

One of the most enriching aspects of my college experience was the vibrant array of activities, festivals, and events. These were not just well-organized but also deeply impactful, fostering a sense of confidence and self-belief. Participating in these events helped me discover my inner self and develop skills that extended far beyond the classroom. The technical hackathons and various other activities provided a hands-on experience, allowing me to delve into real-world technology and practical learning.

The exposure to these diverse experiences at PCE encouraged me to step out of my comfort zone, ultimately preparing me to explore new horizons. Today, I am working in London, having completed my master's degree, and I owe much of this success to the foundation laid during my time at PCE. The

college truly prepared me to face the world, instilling in me the confidence and skills necessary to thrive in a global environment.

In retrospect, my journey at Pillai College of Engineering was an amazing and life-changing experience. It was a place where I not only learned the fundamentals of electrical engineering but also grew as an individual ready to take on the challenges of the world.

Shweta Hajare, Batch 2020
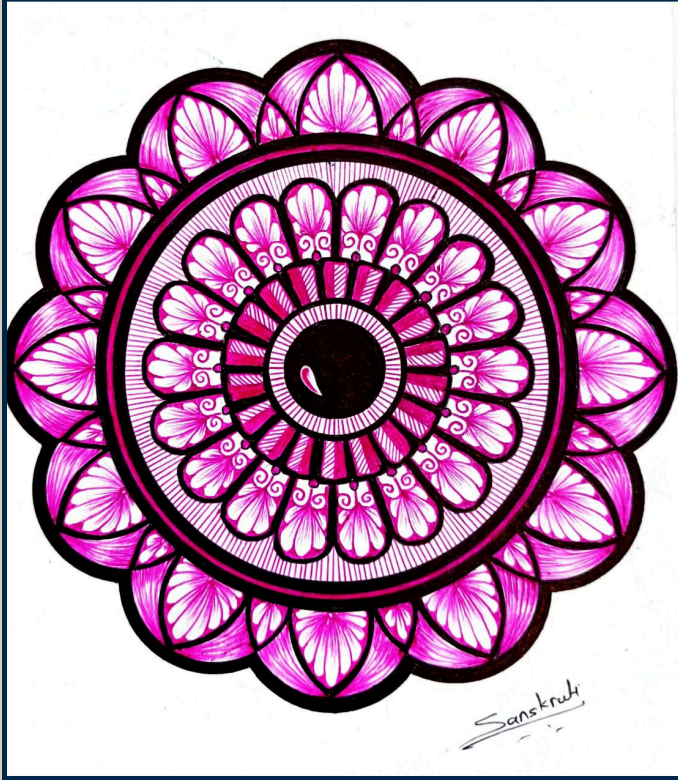
EXPERIENCE Shared BY Darpan Patil

Today, I'd like to share my experiences with the Department of Electrical Engineering Batch 2023, where I spent four memorable years of my engineering journey. Studying at Pillai College in the Department of Electrical Engineering not only enhanced my technical knowledge but also encouraged me to participate in various co-curricular and extracurricular activities.During my college days, I actively participated in numerous events, one of which was Euforia, the cultural fest. These experiences, combined with the expertise and guidance of the faculty, played a significant role in shaping my career. Their mentorship not only helped me secure a placement but also gave me the confidence to excel in my endeavors.Currently, I'm working at Kellogg's India, but this is not my ultimate destination. My strong academic record, nurtured by the dedicated faculty, opened doors for me to pursue a master's program at a reputed university in the United States.

The memories I've created at the Department of Electrical Engineering will forever hold a special place in my heart.

Darpan Patil, Batch 2023

Department of Electronics and Telecommunication Engineering

Sanskruti Shelke, Batch 2022

From Lecture Halls to Life: An Engineering Journey

As I look back on my time as an engineering student at PHCET, I realize how those years shaped not just my technical skills but also my mindset. The endless lectures, late-night project submissions, and countless hours in the lab weren't just academic exercises—they were lessons in perseverance, problem-solving, and adaptability. College wasn't just about textbooks and exams; it was where I learned how to think critically, collaborate with diverse minds, and tackle challenges head-on. Little did I know that these experiences would become the foundation for my personal and professional growth.

One of the most valuable lessons I learned during college was the importance of problem-solving beyond the classroom. Problem-solving isn't just about having the right answers—it's about asking the right questions, breaking down challenges into manageable parts, and staying calm under pressure. These skills have been pivotal in my corporate journey, where real-world problems rarely come with clear instructions.

After graduation, stepping into the professional world felt like transitioning from theory to real-life problem-solving. The complexities I faced in projects and the need to think critically reminded me of the challenges I encountered during my engineering days. Whether it was working with tight deadlines, troubleshooting unexpected issues, or learning new skills on the go, the ability to approach problems methodically and remain resilient made all the difference. The habits of continuous learning and adaptability, rooted in my college days, have stayed with me ever since.

To current students reading this, remember that your engineering degree is more than just a qualification—it's a toolkit. The late nights, the intense brainstorming sessions, and even the failures are all part of the process. Don't be afraid to explore paths that seem unfamiliar, because sometimes the most unexpected opportunities lead to the most rewarding experiences. Stay curious, embrace challenges, and trust the process—you're building more than a career; you're shaping your future.

Brahmi Dalvi, Batch 2021

DEPARTMENT OF INFORMATION TECHNOLOGY

From Student to Innovator: My Journey as an Alumnus.

I am Viraj Anil Gujar, a proud alumnus of Pillai HOC College of Engineering, where I completed my B.Tech in Information Technology in 2015. My journey through college was transformative, filled with enriching experiences and unwavering support from my mentors.

During my time at Pillai HOC, I actively participated in numerous competitions and events, which played a pivotal role in shaping my career. Highlights include presenting innovative projects at esteemed platforms like the IIT Techfest and publishing research papers in international journals. These achievements were made possible through the relentless encouragement and guidance from my professors and the college staff, who believed in my potential and nurtured my aspirations.

Even after graduation, the bond with my teachers remained strong. They have always been just a call away, offering their invaluable advice and support whenever needed. This continued connection has been a cornerstone of my professional growth.

Today, I am privileged to work as a Senior Software Consultant for one of the leading U.S.-based insurance companies. My role involves leveraging cutting-edge technologies in web development and artificial intelligence to deliver innovative solutions. Additionally, I have embarked on an entrepreneurial journey by founding my own firm, Acuto. At Acuto, we provide comprehensive software solutions and support to a diverse clientele, including international clients.

Reflecting on my achievements, I attribute much of my success to the foundational learning and mentorship I received at Pillai HOC College of Engineering. The skills, values, and encouragement I gained there have empowered me to navigate the dynamic tech industry with confidence and resilience.

Viraj Anil Gujar , Batch 2015

My Journey: From PHCET to St. Francis Xavier University

Hello, my name is Vishwashree Vikram Karhadkar, and I graduated from PHCET in the 2021 batch. My journey since then has been a mix of challenges, growth, and exciting opportunities. Here's a glimpse into my experiences. After graduating, I began my career with Sankey Solutions as a Solution Analyst and Solution Developer. During this time, I honed my technical skills and developed a better understanding of problem-solving and software development. Later, I switched to India Bison Company as a Full Stack Web Developer, which gave me exposure to web development and a deeper insight into industry standards. However, I soon realized that I wanted to elevate my career and enhance my educational qualifications. With this goal in mind, I decided to pursue a master's degree in Canada. Currently, I am in my second year of the Master of Applied Computer Science program at St. Francis Xavier University, Nova Scotia.

This journey has been transformational for me. Living and studying in Canada has been a learning experience beyond academics. From managing studies and part-time jobs to adapting to cultural differences, cooking for myself, and budgeting, every aspect of life here has taught me something new. I currently work part-time as an IT Desk

Representative with the university's IT Services Department, which has provided me with professional exposure and a better understanding of work-life balance. Academically, my program has been incredibly enriching. Subjects like Machine Learning, Advanced Data Analytics, Embedded Systems, and Big Data have deepened my technical knowledge and prepared me for future challenges. Additionally, skills like project documentation, paper presentation, and teamwork have added to my professional development. Looking back, I am proud of my decision to step out of my comfort zone and pursue my goals abroad. It has not been easy, but it has been incredibly rewarding. I've learned that growth comes from embracing challenges, striving for excellence, and being open to new experiences.

To all my juniors and peers, my advice is simple: never stop growing. Invest in your skills, push your boundaries, and always aim to explore opportunities that take you closer to your dreams. The journey may be challenging, but the rewards are worth every effort. Thank you, PHCET, for being the foundation of my career and the starting point of this incredible journey. Here's to striving for greater heights and inspiring others along the way!

Warm Regards,

**Vishwashree Vikram Karhadkar,
Batch 2021**

The GPS and OTP-Based Attendance Monitoring System ensures secure and accurate attendance tracking for college campuses.
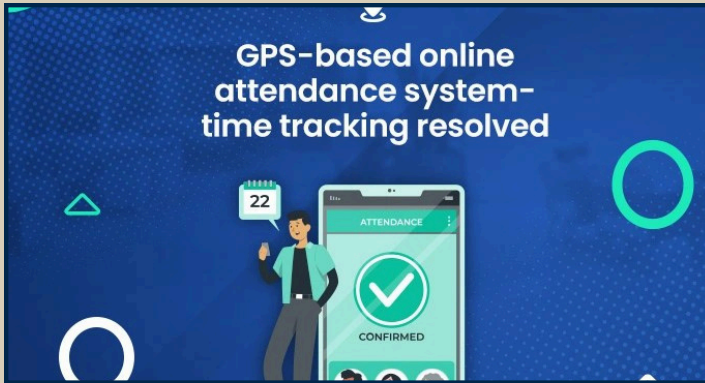
A Major Project Developed by Bhawesha Ahire to Revolutionize Attendance Tracking :

Pillai HOC College of Engineering and Technology, Rasayani – As part of my final-year project in the Department of Information Technology at Pillai HOC College of Engineering and Technology, Rasayani, I have developed a GPS and OTP-BasedAttendance Monitoring System to address the challenges of traditional attendance tracking.The system automatically detects a student's presence in the classroom using GPS. Once inside the designated area, the student receives a time-sensitive OTP on their phone. By entering this OTP, attendance is marked, ensuring that only students physically present are recorded, preventing proxy attendance.

This two-step process improves accuracy, reduces errors, and saves class time. Professors and staff can monitor real-time attendance, enhancing campus management efficiency.

"Our goal was to create a secure and accurate solution for attendance," I said. "The integration of GPS and OTP ensures both security and reliability."

With a successful pilot, the system shows great potential for use in creating a Smart Campus, improving the overall campus experience.

As I graduate in 2023, I am excited about the impact this project could have on the future ofcampus management.

Bhawesha Ahire , Batch 2023

From Campus Dreams to Career Heights: My Journey

Looking back at my journey from engineering college to where I stand today, I am filled with gratitude for the experiences, challenges, and milestones that have shaped me. As a proud alumnus of PHCET, I am honored to share my story with you at this alumni meet.

The Foundation Years

My time at PHCET was transformative, setting the stage for my career. The faculty's exceptional mentorship played a pivotal role in shaping my technical and interpersonal skills. Professors like Siddesh Sir, Poonam Madam, Komal Madam, and Prachi helped instill a deep understanding of engineering concepts while encouraging critical thinking and innovation. Participating in technical workshops, hackathons, and seminars expanded my horizons and fueled my passion for technology.

Collaborative projects taught me valuable teamwork and problem-solving skills, while organizing college events developed my leadership and time-management abilities—qualities that have been crucial in my professional journey.

The Leap into Cybersecurity

After graduation, I was drawn to the dynamic field of cybersecurity, a perfect fit for my interest in safeguarding digital ecosystems. My entry into the professional world focused on vulnerability management, where I worked on identifying and mitigating risks to protect critical assets.

Key Career Achievements

Through dedication and continuous learning, I have been fortunate to achieve several milestones in my career:

1. Driving Vulnerability Management Projects: Leading initiatives using tools like Nexpose, Adaptive Shield, and BigFix, I have significantly reduced organizational risk by ensuring system robustness.

2. Recognition and Awards: I've received accolades such as a silver medal and the "Best Performer" award for my contributions to cybersecurity, reflecting my commitment and hard work.

3. Cyber Awareness Advocacy: Volunteering for GCSAM and leading cybersecurity awareness sessions have allowed me to bridge the gap between technical teams and non-technical staff, fostering a culture of security awareness.

4. Exploring Innovation: By exploring zero-trust concepts and risk-based decision-making, I've contributed to building resilient security frameworks and had the privilege of mentoring aspiring professionals.

Challenges and Lessons

The road hasn't always been smooth. Evolving technological challenges and organizational shifts have taught me resilience, adaptability, and the importance of staying ahead in an ever-changing landscape.

A Vision for the Future

Looking ahead, I aim to continue making impactful contributions to cybersecurity—whether through innovative solutions, mentoring future professionals, or advocating for a secure digital future. The values and lessons I gained at PHCET continue to guide me.

Closing Thoughts

I owe my growth to the strong foundation laid by PHCET, the unwavering support of my mentors, and the friendships and experiences that have shaped me. This alumni meet is a celebration of our collective journeys and a reminder of how far we've come. I hope my story inspires others to pursue their dreams with passion and perseverance. Thank you for this opportunity to reflect and rec onnect.

Ankit Bhanushali , Batch 2018

Climbing to Success: Career Development, Work-Life Balance, and Personal Growth for the Next Generation

Career development counselling work life balance and personal growth It is important for young professionals in today's ever-changing world. These interrelated issues require careful strategies and sustained efforts.

Career development involves setting clear, attainable short- and long-term goals that align with interests and strengths. These objectives are reviewed and adjusted regularly to ensure continued progress. Lifelong learning plays an important role in maintaining a competitive edge. Stay up to date on industry trends. Track certification and join the workshop Networking is equally important. Building a strong professional network can open doors to new opportunities. Get involved in industry events.

Join online communities and ask for advice. Additionally, embrace challenging roles and projects that will push you beyond your

comfort zone to develop new skills. and demonstrates the ability to adapt. Work-life balance is key to good health and longevity in your career. Effective time management is important. Create a schedule dedicated to work, family, hobbies, and self-care. Set clear boundaries between work and personal life. and communicate with co-workers and supervisors Prioritize taking care of yourself by engaging in activities that revitalize your mind and body, such as exercise, meditation, or hobbies. Delegate tasks at work and rely on family or friends for help when needed. This is because sharing responsibilities reduces stress and promotes balance.

Personal growth is a lifelong journey that requires self-reflection and openness to new experiences. Regularly assess your strengths, weaknesses, and progress to build self-awareness. Set personal development goals that align with your values, such as improving your communication skills. learning a new language or exploring creative pursuits. Staying open-minded and embracing

diverse perspectives fosters adaptability and deeper understanding, both personally and professionally.

Achieving great heights in both professional and personal life requires a balanced approach. In your career, set clear, attainable goals, continuously seek learning opportunities, and embrace challenges that expand your skills. Building a strong network and seeking mentorship can propel your growth. In your personal life, prioritize self- care, maintain work-life balance, and invest time in relationships and personal development. Regularly reflect on your progress, celebrate small wins, and adjust your path as needed. By combining ambition with well-being and adaptability, you can thrive in both your career and personal life, creating lasting success and fulfilment.

Muhafiz Karjikar , Batch 2022

DEPARTMENT OF MECHANICAL ENGINEERING

My Journey with Starkers Motorsports: From Manufacturing Team Member to Team Rider

My name is Sandesh Suresh Devadiga, and I graduated in 2022. Looking back on my college journey, one of the most impactful experiences was being recruited by Starkers Motorsports at the end of my first year. What began as a straightforward chance to join an enthusiastic team soon evolved into one of the most pivotal moments of my engineering career.

The Beginning: A Manufacturing Team Member
In the beginning, I joined Starkers Motorsports as a member of the manufacturing team. My role involved working on various components of the vehicle, understanding the intricacies of the design, and putting together the pieces that would eventually lead to the creation of a high-performance machine. It was a hands-on learning experience that gave me a deeper understanding of mechanical engineering and the importance of precision and teamwork.

Transition to the Cost Team

As the months passed, I found myself taking on more responsibilities, and I transitioned into the cost team. This shift was another turning point, where I learned the importance of budgeting, cost optimization, and the financial side of motorsports. It was a whole new perspective for me, one that balanced the technical aspects of manufacturing with the strategic side of managing a project's finances.

Becoming the Manufacturing Head and Team Rider

However, the most defining moment of my journey came when I was appointed as the Manufacturing Head and, eventually, the Team Rider. Becoming a rider was a dream come true for me.

It wasn't just about racing—it was about pushing my physical and mental boundaries. I had to hone my riding skills, which in turn motivated me to take better care of my health. The weight loss that followed was a turning point in my life. It wasn't just about becoming fit for the team, but it also instilled in me a sense of discipline and focus that helped me excel in other areas of my life, including my studies.

The Team Experience

The experience of working with Starkers Motorsports taught me invaluable lessons about teamwork, problem-solving, and perseverance. We made a lot of mistakes along the way—many of them costly—but each mistake was an opportunity to learn and improve. Late nights spent troubleshooting problems, designing solutions, and refining our work became a regular part of our routine. We grew together as a team, and each of us contributed our unique skills and

ideas. The camaraderie we shared was unmatched, and the sense of accomplishment when we solved a problem or reached a milestone was incredibly rewarding.

Support from College and Professors

Throughout this journey, we received immense support from our college. The institution provided us with the necessary funds, resources, and infrastructure to help us succeed. Additionally, we had the guidance of two key professors, Prof. K.S. Anish and Prof. Aditya Shinde, who were instrumental in mentoring us. Their expertise, encouragement, and unwavering support helped us navigate the challenges of motorsports engineering.

They were the pillars of our success, always there to offer advice and steer us in the right direction. Personal Growth and Engineering Success Working with Starkers Motorsports not only shaped me as a person but also helped me in my academic pursuits. The hands-on experience I gained while working with the team directly contributed to my engineering knowledge. The problem-solving skills, the technical understanding, and the teamwork I developed all played a crucial role in helping me pass my engineering exams. In a way, the project bridged the gap between theoretical learning and practical application, making me a more well-rounded student and professional.

Conclusion: The Best Part of My College Life Looking back, being a part of Starkers Motorsports was undoubtedly the best part of my college experience. It wasn't just about racing or building a vehicle; it was about growth—both as an individual and as part of a team. The lessons I learned, the friendships I forged, and the memories we created are something I will cherish forever.

Starkers Motorsports was more than just a college project; it was a journey that taught me about determination, teamwork, and the power of passion.

Sandesh Devadiga, Batch 2022

STARKERS MOTORSPORTS : A JOURNEY OF EXCELLENCE, INNOVATION, AND IMPACT

I am a proud alumnus of Pillai's Starkers Motorsports. I went through an incredible journey from 2017 to 2022, marked by exceptional performances in prestigious events like GKDC's Formula 9 racing series, achieving an AIR 5 in 2019, AIR 2 (CV) and AIR 4 (EV) in 2020, presenting our aerofoil research at the 2019 Avishkar Research Convention, and culminating with an AIR 1 in the E-bike segment at IIT Bombay in 2022. These successes showcased our dedication, innovation, and ability to excel at a national level.

Serving as a Core Team member, leader, and mentor for Starkers Motorsports from 2017 to 2022 was an unforgettable experience. Throughout our journey of designing, manufacturing, and presenting our ideas, we encountered numerous ups and downs. With the unwavering support of our faculty and the dedication of my teammates, we overcame every obstacle. This experience provided invaluable lessons in leadership, teamwork, and innovation, which continue to guide me in my career as a Program Manager at an Electric Vehicle Design and Manufacturing company. I look forward to future generations carrying forward and enhancing the legacy we have built.

Kevin Vora, Batch 2020

A JOURNEY OF EXCELLENCE, INNOVATION, AND IMPACT

As an alumnus of Pillais Starkers Motorsports, I am thrilled to reflect on the incredible journey our team embarked upon from 2017 to 2022. It has been a remarkable experience to be part of a team that not only achieved extraordinary results in motorsports but also contributed significantly to the academic and practical landscape of vehicle design, engineering, and student education.

One of the most significant highlights of our journey was the outstanding performance in the prestigious GKDC's Formula 9 racing series. In 2019, we secured an impressive All-India Rank (AIR) of 5, which set the stage for even greater success. The year 2020 saw us achieving an AIR 2 ranking in the Commercial Vehicle (CV) segment and an AIR 4 ranking in the Electric Vehicle (EV) segment. These achievements demonstrated our ability to compete with the best in the nation, pushing our limits and expanding our horizons.

In 2022, we reached the pinnacle of our success with an AIR 1 in the E-bike segment hosted by IIT Bombay, solidifying our position as leaders in the motorsports community. These accomplishments were not just a testament to the hard work and dedication of the team, but also to the vision and leadership that guided us towards achieving excellence.

One of the standout moments in our journey was the creation of our very own pit for vehicle design in 2019. This initiative allowed us to have complete control over the design and performance of our vehicles, fostering a spirit of innovation and hands-on learning. It was an esential milestone in our growth as a team and demonstrated our commitment to pushing boundaries in every aspect of motorsport engineering.

Following our success on the track, we were able to secure multiple title sponsors like TT, Antony Motors, etc., providing us with the resources and support needed to continue our growth and development. These partnerships were crucial in helping us scale our operations and achieve even greater heights.

As a team, we always believed in sharing our knowledge and experiences with others. To that end, we conducted multiple seminars aimed at educating students on the various aspects of motorsports. These seminars were an opportunity to inspire the next generation of engineers, designers, and motorsport enthusiasts. We also presented our research paper on the use of aerofoils in Formula 9 at the Avishkar Research Convention 2019, further cementing our role as thought leaders in the field.

Serving as the Project Manager for Starkers Motorsports from 2017 to 2022 was an honour and a challenge I'll never forget. Over the years, I had the privilege of leading a team of talented individuals, who worked together to overcome obstacles and achieve success. The experience taught me invaluable lessons in leadership, teamwork, and innovation—lessons that continue to shape my career today.

I am incredibly proud of all we've accomplished, and I look forward to seeing how future generations of Starkers continue to break new ground and achieve even greater success.

Tanmay M Ture, Batch 2020

EMINENT ALUMNI

Mr. Santosh D. Deshmukh
Designation: Sr. General Manager
Company: Thakur Infra Projects pvt.
Ltd. ,Panvel
Pass out Year : M.E. 2023
Branch: Civil

Mr. Shrenik Shah
Designation: Project & Procurement
Manager
Company: Horizon Promotors India Ltd.
Pass out Year : M.E. 2021
Branch: Civil

Mr. Hrushikesh Lalit Patil
Designation: CEO , Propritor
Company: Goodwill Enterprises, All
Rich Enterprises
Pass out Year : 2019
Branch: Civil

Mr. Tejen Navnath Bhagat
Designation: Propritor, CEO
Company: Goodwill Enterprises, All
Rich Enterprises
Pass out Year : 2019
Branch: Civil

Ms. Ashwini Nagesh Bodkhe
Designation: Junior Engineer
Company: PWD,Thane Division
Pass out Year : 2017
Branch: Civil

Mr. Hrutik Karnik Gaikwad
Designation: Assitant Junior Engineer
Company: Zilha Parishad ,Palghar
Pass out Year : 2021
Branch: Civil

Mr. Sagar Madhav Veer
Designation: Deputy Engineer
(Class-1) Officer
Company: Maharashtra Housing and
Area Development Authority
(MHADA)
Pass out Year : 2018
Branch: Civil

Ms. Brahmi Dalvi
Designation: Consultant
Company: Deloitte
Pass out Year : 2021
Branch: EXTC

Mr. Gokul Nair
Designation: HR, Capgemini
Company: Capgemini
Pass out Year : 2017
Branch: EXTC

Mr. Kishore Biradar
Designation: Network Expert
Company: Safran Digital Campus
Pass out Year : 2017
Branch: EXTC

Mr. Santosh Waghmare
Designation: Director
Company: Shri Shivguru Electrical
Engineer and Contractor
Pass out Year : 2018
Branch: Electrical

Mr. Omkar Natekar
Designation: Senior Associate
Company: Infosys
Pass out Year : 2018
Branch: Electrical

EMINENT ALUMNI

Mr. Niraj Chaudhari
Designation: Director
Company: Soyo Systems
Pass out Year : 2021
Branch: Electrical

Mr. Hussain Manasawala
Designation: Associate Team Lead
Company: Neosoft Technologies
Pass out Year : 2019
Branch: Computer

Mr. Srijeet Mohan Nair
Designation: Senior Data Engineer
Company: First National Bank -
South Africa
Pass out Year : 2019
Branch: Computer

Mr. Piyush Rakesh kumar
Designation: Lead data engineer
Company: Wolters Kluwer
Pass out Year : 2019
Branch: Computer

Ms. Sanskruti Sandesh Gharat
Designation: General Secretary and
District Representative of Raigad District.
Company: Icestock Sports Association
of Maharashtra
Pass out Year : 2023
Branch: Computer

Mr. Abhishek Tripathi
Designation: System Engineer
Company: TCS
Pass out Year : 2022
Branch: IT

Ms. Swarangi S Pingale
Designation: Product Engineer
Company: TCS
Pass out Year : 2022
Branch: IT

Mr. Muhafiz Karjikar
Designation: Assistant Manager
(Device Engineer)
Company: Reliance Industries
Limited
Pass out Year : 2021
Branch: IT

Mr. Arun Nair
Designation: CEO, Propritor
Company : Adroit Infinite Excelence
Pass out Year : 2016
Branch: Mechanical

Mr. Akshay Bhagat
Designation: CEO, Propritor
Company: Torto Labs Pvt Ltd
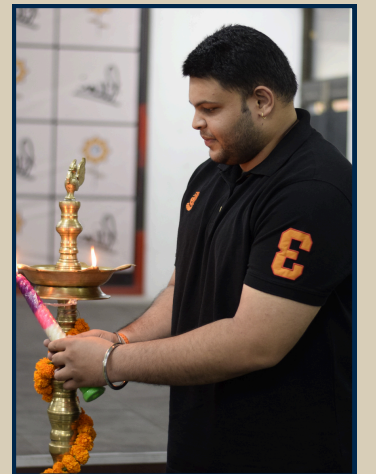Pass out Year : 2016
Branch: Mechanical

Mr. Sudeep Gaikwad
Designation: Asst Manager
Company: Adroit Infinite Excelence
Pass out Year : 2016
Branch: Mechanical

Mr. Krutarth Bhujbal
Designation: Design Engineer
Company: Brick & Byte innovative
products pvt. ltd.
Pass out Year : 2022
Branch: Automobile

GLIMPSE OF LAST ALUMNI MEET

Mechanical
Engineering

GLIMPSE OF LAST ALUMNI MEET

Information Technology

Electronics & Tele-Communication Engineering
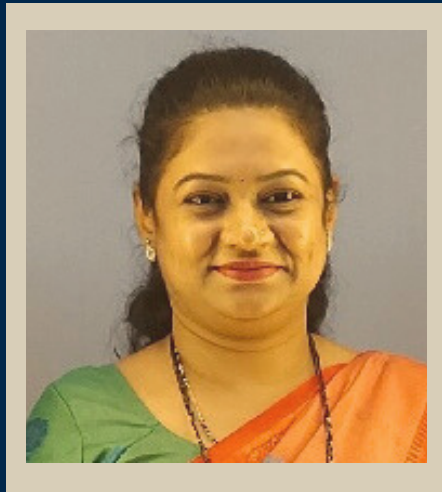
Electrical Engineering

GLIMPSE OF LAST ALUMNI MEET

Computer Engineering

Civil Engineering

ALUMNI ASTRAL

FACULTY CO-ORDINATORS

PROF. RAHUL KAPSE
COMPUTER ENGINEERING

PROF. NIKITA SAINDANE
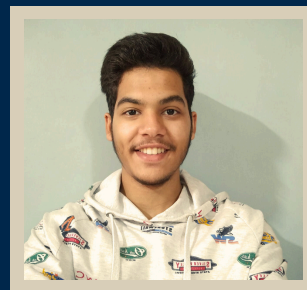**COMPUTER ENGINEERING**

PROF.MANISHA JAMGADE
CIVIIL ENGINEERING

STUDENT CO-ORDINATORS

AAYUSH GUNJAL
COMPUTER ENGINEERING

SUJAL BHANDARGE
COMPUTER ENGINEERING

AABHAS SHARMA
CIVIIL ENGINEERING

MANASVI MOKAL
CIVIL ENGINEERING