



Prof. Uday Annapure  
Director, ICT Jalna



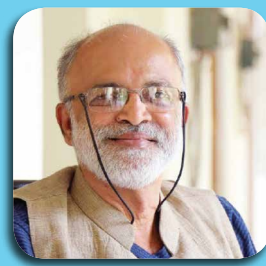
# मागजल

Streamlining minds

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Academic Year 2022-23

MARJ Newsletter



Prof. Aniruddha Pandit  
Vice Chancellor, ICT



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Editor in Cheif - **Prof Girish Joshi**

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Ashutosh Paraye,





▲ Teachers Day



▲ 1st year Induction programme



▲ 1st year Induction programme



▲ Women's day



▲ G.D Yadav sir's student interaction



▲ Nutrition fiesta

## A Note of Appreciation from the Editor of Margjal



Contribution of Students, faculties and non teaching staff in growing campus played vital role in the various form for worthwhile . Education in all 360 degrees explored to build the career of youngsters at ICT Jalna campus



*Dear Readers,*

As the editor of Margjal, I am honored to address you, our esteemed readers. It is with great pleasure that I extend my heartfelt gratitude for your continued support and engagement with our publication.

Margjal serves as a platform for sharing knowledge, ideas, and perspectives from our diverse community. With each issue, we aim to inspire, inform, and provoke thought, fostering a culture of intellectual curiosity and dialogue.

Reflecting on the process of crafting each issue, I am reminded of the countless hours spent reminiscing about our days on campus – from the anxieties of academic pursuits to the joys of participating in events. We've strived to capture these cherished moments within the pages of Margjal, ensuring that each article, poem, and photograph resonates with the essence of our shared experiences.

I want to express my sincere appreciation to our contributors, whose insightful articles and

creative contributions enrich our magazine. From thought-provoking analyses to heartfelt reflections, your dedication to sharing your expertise and experiences is invaluable and greatly appreciated.

To our readers, thank you for your enthusiasm and feedback. Your engagement fuels our passion for excellence and motivates us to continue striving for greater heights. Whether you're a student, faculty member, or alumni, your support is the cornerstone of Margjal's success.

As we move forward, I encourage you to stay connected with Margjal, share your thoughts and ideas, and continue to be a part of our journey. Together, let us celebrate the diversity of our experiences and the power of storytelling to unite us all.

Thank you for being a vital part of the Margjal community. Your support inspires us to push the boundaries of creativity and innovation with each new issue.

Warm regards,

**Prof Girish Joshi**  
Editorial board  
Faculty Co Ordinator



## From Director's Desk



Excellent progress of the growing campus demonstrated contribution in various domains. It is just starting and sure academic footprints will be produced many



*Dear Esteemed Readers,*

It is my distinct pleasure to communicate with you through the esteemed platform of Margjal, our cherished college magazine. As we embark on a journey through the milestones and achievements of ICT MARJ, I am filled with a profound sense of pride in the remarkable endeavors of our campus community.

At the forefront of our achievements lies the commendable feat of numerous patent registrations originating from our campus. These groundbreaking innovations, conceived through the relentless dedication and ingenuity of our faculty and students, serve as testaments to our commitment to pushing the boundaries of knowledge and technological advancement. Equally noteworthy are the remarkable accomplishments of our students, whose academic excellence has earned them acceptance into prestigious universities worldwide for doctoral studies.

Their achievements stand as shining examples of the caliber of education provided at ICT MARJ, instilling a sense of pride and inspiration within our campus community. Furthermore, I am immensely proud of our students who have served as ambassadors during internships, acquiring invaluable industrial exposure and representing our institution with exemplary professionalism and

dedication.

Throughout the academic year, our campus has been abuzz with a plethora of activities and events, each meticulously designed to foster holistic development and a vibrant campus culture. From enlightening webinars on topics ranging from net-zero initiatives to career exploration, to cultural celebrations and festivals that showcase the rich diversity of our community, each event has played a pivotal role in shaping the ICT MARJ experience.

Of particular note is the resounding success of Nutrition Fiesta 3.0, a comprehensive initiative aimed at promoting health and wellness among our students. The Nutrition Carnival and Exhibition, integral components of the festivities, provided a platform for students to engage with critical issues surrounding nutrition and well-being, further emphasizing our commitment to fostering a culture of holistic health on campus.

As we celebrate these achievements and milestones, I am filled with a sense of optimism and excitement for the future of ICT MARJ. Together, let us continue to strive for excellence in all endeavors and make meaningful contributions to society and beyond.

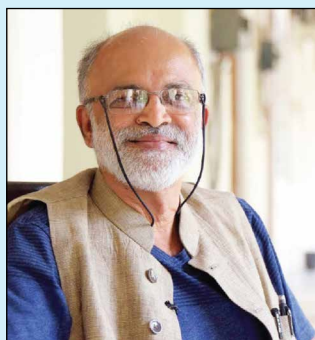
Warm regards,

**Prof (Dr) Uday Annapure**  
**ICT MARJ Director**





## Encouragement from the Vice Chancellor



New National Education Policy NEP-2020 reflect shining at ICT Jalna campus



*Dear Esteemed Members of the ICT-MARJ Community,*

I am privileged to extend my heartfelt greetings to all of you as we embark on a reflective journey through the myriad achievements and dynamic activities that have defined our illustrious institution, ICT-MARJ.

In recent times, our campus has blossomed into a vibrant hub of intellectual discourse, innovative research, and holistic development, propelled by the unwavering commitment and collective efforts of our esteemed faculty, dedicated staff, and talented students.

At the forefront of our endeavors is our steadfast commitment to sustainability and environmental stewardship, exemplified by our recent Net Zero webinar. This groundbreaking event brought together leading experts and scholars to explore cutting-edge solutions for addressing climate change and fostering a greener, more sustainable future. Such initiatives not only underscore our dedication to academic excellence but also highlight our role as responsible global citizens.

Moreover, our TOEFL masterclass provided invaluable guidance and support to students aspiring for international academic pursuits, equipping them with the necessary skills and resources to excel on a global stage. Similarly, our thought-provoking discussions on product engineering versus product management offered profound insights into the evolving landscape of industry dynamics, empowering our students to make informed career choices and thrive in today's competitive market.

The recent visit of Prof. V G Gaikar, a distinguished scholar in our field, was a momentous occasion for our campus community. His insightful lectures and engaging interactions served as a catalyst for intellectual curiosity and academic inspiration, fostering a culture of learning and innovation among students and faculty alike.

Furthermore, our cultural celebrations, including Shiv Swarajya Din, International Yoga Day, and Guru Purnima, provided a vibrant platform for showcasing our rich cultural heritage and fostering a sense of unity and camaraderie among students from diverse backgrounds. These events not only celebrate our traditions but also serve as powerful reminders of the values that unite us as a community.

Ensuring the safety and well-being of our campus community has always been our top priority. In line with this commitment, we organized workshops on

fire safety precautions and good clinical practices, equipping our students and staff with essential knowledge and skills to navigate potential challenges with confidence and resilience.

Additionally, our initiatives aimed at promoting gender inclusivity and empowerment, such as the "Decoding Careers for Women in Manufacturing" workshop, reflect our unwavering dedication to fostering a supportive and equitable learning environment where all individuals can thrive and excel.

As we commemorate significant national and cultural milestones, including Independence Day, Onam, and Ganesh Utsav, we celebrate the rich tapestry of diversity that defines our campus community. These occasions serve as poignant reminders of the values of unity, inclusivity, and cultural harmony that lie at the heart of our institution.

I am particularly proud of the resounding success of events like Nutrition Fiesta 3.0 and the Nutrition Carnival and Exhibition, which not only promote health and wellness but also showcase our institution's commitment to academic excellence and community engagement. These initiatives serve as shining examples of our holistic approach to education, where physical well-being is recognized as integral to intellectual growth and personal development.

Moreover, the academic achievements of our faculty, the extracurricular accomplishments of our students, and the groundbreaking contributions of our faculty and PhDs through the TARA program are testaments to the relentless pursuit of excellence that characterizes ICT-MARJ. From groundbreaking research publications to innovative student-run initiatives, each achievement reflects our collective commitment to pushing the boundaries of knowledge and making meaningful contributions to society.

As we look towards the future, let us continue to nurture a culture of innovation, collaboration, and excellence that defines ICT-MARJ. Together, let us embark on a journey of continued growth and progress, guided by our shared vision of creating a brighter, more sustainable future for generations to come.

With sincere appreciation for your unwavering dedication and contributions to our shared goals,

Professor A. B. Pandit  
Vice Chancellor  
ICT Mumbai

## ■ Academic Venture

Welcome to “Margjal,” the vibrant literary canvas of ICT MARJ College, where intellect meets imagination and the pursuit of knowledge is imbued with the essence of character. Inspired by the profound words of Martin Luther King Jr., we believe that true education transcends the mere transmission of information; it is a journey that ignites the mind, enriches the soul, and fosters a lifelong commitment to critical thinking and ethical leadership.

In the words of Martin Luther King Jr., “The function of education is to teach one to think intensively and to think critically. Intelligence plus character - that is the goal of true education.” At ICT MARJ College, “Margjal” embodies this ethos, serving as a platform for our community to explore, engage, and evolve as scholars and citizens. Within the pages of “Margjal,” you will discover a tapestry of voices, each weaving together the

unique narratives, perspectives, and talents that define our college community. From insightful essays to captivating artwork, from thought-provoking interviews to inspiring stories of resilience and innovation, our magazine reflects the vibrant tapestry of intellect and creativity that thrives within the halls of ICT MARJ College.

Join us as we embark on this literary odyssey, celebrating the diversity of ideas, the depth of scholarship, and the transformative power of education. “Margjal” invites you to delve into the heart of our college community, where every page is a testament to the enduring pursuit of knowledge, the cultivation of character, and the boundless possibilities that lie ahead.

Welcome to “Margjal,” where intellect soars, imagination flourishes, and the spirit of inquiry illuminates the path to a brighter tomorrow.

## ■ Independence Day Celebration (15<sup>th</sup> August 2023)



The 76th Independence Day was celebrated with immense fervor and enthusiasm at the ICT MARJ campus, resonating with the overarching theme of ‘Meri Maati Mera Desh’ (My Land, My Country). In anticipation of Independence Day, students and faculty joined hands to craft charming Diyas from mud, symbolizing the essence of ‘Light to Enlightenment’. These handmade creations beautifully encapsulated the spirit of the occasion and echoed the theme of the event.

Adding to the festivities, a Stanza Writing competition was organized, inviting participants to pen poetic and patriotic lines on various themes such as the future of India, the first step towards Indian independence, the historic Quit India Movement of 1942, and the legendary tale of Rani Lakshmibai of Jhansi.

The celebrations commenced with a spirited parade around the campus, led by students Khushwantsingh Rajput and Sharjil Khan,



followed by the faculty and support staff. The culmination of the parade led to a poignant Flag hoisting ceremony, graced by the Director, Prof. Uday S Annapure, and accompanied by the singing of the National Anthem and the State Anthem. Subsequently, the teaching and support staff solemnly pledged to uphold the five resolves, promising to contribute to the development and unity of the nation.

The festivities continued with a Tree Plantation Drive near the Canteen area, symbolizing a commitment to environmental sustainability and stewardship. The initiative was led by Director Sir, Deputy Director Prof. Parag Nemade, Associated Dean Shri. Sharad Lahoti, and enthusiastic students Sharjil Khan and Khushwantsingh Rajput.

Moving to the auditorium, the cultural program unfolded with a heartfelt address by Director Sir, underscoring the significance of agricultural self-reliance and seed production in India. This was followed by a touching poem paying homage to the valiant freedom fighters, presented by PhD scholar Mr. Prashant Mundhe. The audience was then enlightened by a speech on 'Scientists as Warriors of Swatantra' by Ayshwaryalakshmi

Kurup, shedding light on the crucial role of Indian scientists in the freedom movement.

The cultural extravaganza reached its zenith with soul-stirring patriotic songs rendered by students Aradhana Thombre, Prachi Patil, Anushka Tonde, and Shatakshi Joshi. The event concluded with a poignant poem titled 'Freedom is never free', urging everyone to cherish and safeguard the hard-earned freedom. Cultural Secretary Garima Thole delivered this enlightening piece.

In a gesture of gratitude, Deputy Director Prof. Parag Nemade extended heartfelt thanks to all participants and the enthusiastic audience. The celebrations culminated with a joyful photography session near the flagpole, followed by the shared enjoyment of refreshments.

The successful commemoration of the 76th Independence Day owes much to the meticulous planning and dedicated efforts of the Cultural Committee, led by Prof. Kapil Sagrolkar and Cultural Secretary Garima Thole. Their vision and leadership instilled a profound sense of patriotism and unity among all participants, leaving an indelible mark on the hearts and minds of the ICT MARJ community.

## ■ Prof. V.V Mahajani's Guest Lecture (August 24th 2023)



On the auspicious occasion of Prof. V. V. Mahajani's visit to the ICT Marathwada campus in Jalna on August 24th, 2023, the atmosphere was charged with anticipation and intellectual fervor. The esteemed professor graced the IMtech students of the 2020 batch with his presence, delivering an enlightening lecture on the critical topic of CO<sub>2</sub> pickup, offering profound insights into process design, absorber technology, and the utilization of CO<sub>2</sub>.

With decades of experience and expertise in the field, Prof. Mahajani's discourse was not merely an academic exercise but a journey into the realm of innovation and sustainable solutions. He shared invaluable knowledge, drawing from both theoretical principles and practical applications, guiding the students through the intricacies of CO<sub>2</sub> capture and its potential impact on environmental sustainability.

As the lecture drew to a close, Prof. Mahajani imparted his sage advice to the eager minds before him, leaving them with a powerful mantra to ponder upon. He eloquently stated, "Innovation is anything but produces money," encapsulating the essence of creativity, ingenuity, and forward-thinking in the pursuit of transformative solutions. His words resonated deeply, challenging conventional notions and inspiring a new generation of innovators to harness their intellect and imagination for the betterment of society and the planet.

With hearts brimming with gratitude and minds buzzing with newfound inspiration, the students bid farewell to Prof. Mahajani, carrying with them not only the technical know-how imparted in the lecture but also the profound wisdom and vision

of a true visionary. Prof. Mahajani's visit was not just a lecture; it was a beacon of enlightenment, illuminating the path towards a brighter, more sustainable future for generations to come.

## ■ Prof. U.S. Annapure Receives Shri Somalal Vyas-SEA Innovation Award 2023: A Milestone in ICT Marathwada's Journey (5th October 2023)

We are delighted to announce a momentous achievement for ICT Marathwada Campus in Jalna! Our esteemed Director, Prof. U.S. Annapure, has been honored with the prestigious Shri Somalal Vyas-SEA Innovation Award 2023 at the 52nd SEA AGM, marking a significant milestone in our institution's journey of excellence. The Shri Somalal Vyas-SEA Innovation Award is a distinguished recognition bestowed upon individuals who have demonstrated exemplary leadership and innovation in the field of technology and industry. Prof. Annapure's selection for this esteemed award underscores his exceptional contributions and visionary leadership in driving innovation and academic excellence at ICT Marathwada. Under Prof. Annapure's dynamic stewardship, ICT Marathwada Campus has witnessed remarkable growth and transformation, emerging as a leading center for cutting-edge research, technology development, and industry collaboration. His strategic vision and unwavering commitment to fostering a culture of innovation

have propelled our institution to new heights of success and recognition.

The award serves as a testament to Prof. Annapure's relentless pursuit of excellence and his unwavering dedication to advancing the frontiers of knowledge and technology. His pioneering initiatives and transformative leadership have not only enriched the academic landscape of our campus but have also made a lasting impact on the broader fields of science, technology, and industry.

As members of the ICT Marathwada community, we take immense pride in Prof. Annapure's well-deserved recognition. His achievement not only brings honor to our institution but also inspires us to continue striving for excellence and innovation in all our endeavors.

Congratulating Prof. U.S. Annapure on this prestigious accolade. Celebrating his success as a testament to the spirit of innovation, leadership, and excellence that defines ICT Marathwada Campus.







## ■ Igniting Innovation: Recap of the Shell E4 Webinar for ICT Marathwada Students (18<sup>th</sup> May 2023)

**Empowering Student Entrepreneurs: Highlights from the Shell E4 Webinar**

Recently, students of ICT Marathwada were treated to an enlightening webinar hosted by Shell E4, tailor-made for budding entrepreneurs eager to delve into the realm of sustainability. Titled “Shell E4: Net Zero Challenge & Net Zero Overview In India,” the webinar served as a catalyst for inspiration and innovation, offering valuable insights and practical guidance to students looking to make a difference in the world of entrepreneurship.

**The Net Zero Challenge Unveiled:** Shell E4’s Net Zero Challenge took center stage, providing students with a platform to unleash their creativity and propose innovative solutions for achieving net-zero emissions. This exciting opportunity reminded participants that even the smallest ideas can spark significant change, laying the foundation for transformative innovation.

**Meet the Net Zero Sketch:** Participants were introduced to the Net Zero Sketch—a powerful tool designed to help students refine their business ideas with a sustainable twist. Through interactive sessions, students received hands-on guidance on utilizing this tool to translate their eco-friendly aspirations into actionable plans, empowering them to turn their visions into reality. **India’s Green Horizon:** The webinar zoomed into India’s

sustainability landscape, showcasing the country’s strides towards environmental consciousness. From renewable energy initiatives to carbon offsetting strategies, students gained valuable insights into India’s efforts to embrace sustainability and pave the way for a greener future. **Words of Wisdom:** Shell and industry experts took the virtual stage, sharing invaluable pearls of wisdom and addressing questions from eager participants. This rare opportunity allowed students to tap into the minds of sustainability leaders, gaining valuable insights and guidance to kickstart their entrepreneurial journey. **The Future Looks Bright:** As the webinar concluded, participants left with a newfound sense of inspiration and determination. Armed with knowledge and motivation, they are poised to make waves in the world of sustainable entrepreneurship, driving positive change and shaping a brighter future for generations to come. In summary, the Shell E4 webinar was more than just a virtual event—it was a transformative experience for ICT Marathwada students. It ignited their passion for sustainability, equipped them with valuable tools and insights, and empowered them to become agents of change in their communities and beyond. This recap captures the essence of the Shell E4 webinar and its profound impact on the journey of ICT Marathwada students towards sustainable innovation and entrepreneurship.

## ■ Preparing for Future Studies: ICT MARJ 2019 Batch Joins TOEFL Masterclass ( May 27<sup>th</sup>, 2023)

On May 27<sup>th</sup>, 2023, a pivotal opportunity unfolded for the 2019 batch students of ICT MARJ as they were exclusively invited to participate in a TOEFL Masterclass on Writing. This transformative session, organized by the Educational Testing Service (ETS), aimed to equip the 2019 batch with essential writing skills tailored for their upcoming academic endeavors. **Tailored for Success:** Recognizing the significance of effective communication skills in academic pursuits, ETS designed the TOEFL Masterclass specifically for the 2019 batch of ICT MARJ students. With a focus on honing writing abilities, the masterclass aimed to prepare students for the linguistic challenges they may encounter in

further studies and beyond.

**Empowering Academic Growth:** The masterclass served as a platform for the 2019 batch to strengthen their proficiency in written English, a vital skill for success in higher education. Through interactive sessions and practical exercises, students delved into the nuances of essay structuring, idea articulation, and language refinement, ensuring they are well-equipped to excel in their academic pursuits.

**Opening Doors to Opportunities:** By sharpening their writing skills, the 2019 batch students are not only preparing for the TOEFL test but also positioning themselves for success in future academic endeavors. Proficiency in written



English enhances their ability to communicate effectively, thereby opening doors to prestigious universities and global career opportunities.

**A Step Towards Academic Excellence:**As the masterclass concluded, the 2019 batch emerged with newfound confidence and readiness to embark on their academic journeys. Armed with enhanced writing skills and a deeper understanding of the nuances of English composition, they are well-prepared to excel in further studies and make the

most of the opportunities that lie ahead.

**Conclusion:**The TOEFL Masterclass on Writing, tailored exclusively for the 2019 batch of ICT MARJ students, marks a significant milestone in their academic journey. By equipping them with essential writing skills, the masterclass has empowered these students to pursue further studies with confidence and excellence, setting the stage for a bright and successful future.

## ■ Fire and Safety Precaution Session ( 15<sup>th</sup> July 2023)

The fire and safety precaution session held on the 15<sup>th</sup> of July at the ICT MARJ campus was a comprehensive and educative event designed to enhance the awareness and preparedness of the campus community in dealing with fire emergencies. The session kicked off with a detailed overview emphasizing the critical importance of fire safety in the workplace and campus environments. It highlighted alarming statistics on the prevalence of fires and underscored their potential devastating consequences, setting a serious tone for the importance of the day's learnings.

The core of the session was structured around several key components:

**1. Fire Prevention:** Attendees were educated on proactive measures to prevent fire incidents. This segment covered the proper storage of flammable materials, the safe usage of electrical equipment, and the importance of maintaining good housekeeping practices to minimize fire risks.

**2. Fire Detection and Alarm Systems:** The session provided valuable insights into the workings of fire detection and alarm systems. It differentiated between the types of alarms and offered guidance on the immediate steps to be taken upon hearing an alarm, ensuring everyone understood how to respond appropriately.

**3. Emergency Evacuation Procedures:** Detailed instructions were given on how to act in the event of a fire. This included how to safely evacuate a building, knowing the designated evacuation

routes, and locating assembly points, which are crucial for a coordinated and safe exit during emergencies.

**4. Fire Extinguisher Training:** A practical demonstration was a highlight, showcasing the correct way to use fire extinguishers. This part of the session detailed the different types of extinguishers available and explained which type is suitable for various classes of fires (e.g., Class A, B, C fires).

**5. Personal Protective Equipment (PPE):** Information was shared about the importance of using PPE, such as fire-resistant clothing, gloves, and masks, to protect oneself during a fire emergency. This aimed to prepare individuals not just to prevent fires but also to safeguard themselves should a fire occur.

**6. Emergency Contact Information:** The session made sure that all participants had the essential contact information needed to report fires and reach emergency services like the fire department and medical services promptly.

**7. Question and Answer Session:** The event concluded with a Q&A session, providing an opportunity for attendees to clarify doubts, ask specific questions about fire safety procedures, or express concerns they might have.

Overall, the fire and safety precaution session was an enlightening experience, empowering the ICT MARJ campus community with the knowledge and skills needed to effectively manage and respond to fire emergencies.





## ■ Navigating the Career Crossroads: Product Engineering vs Management (31st May 2023)

In today's fast-paced and competitive job market, choosing the right career path can be a daunting task, especially for those interested in the dynamic fields of product engineering and management. With each offering its unique set of challenges and opportunities, understanding the nuances between these roles is essential for aspiring professionals. To shed light on this enigma, MG Motor recently organized a webinar titled "Decoding the Enigma: Product Engineering vs Management," featuring industry expert Sameer Jindal. Let's explore the key insights and takeaways from this enlightening session.

**Understanding the Dichotomy:**The webinar commenced with an exploration of the fundamental differences between product engineering and management. Participants gained clarity on the distinct roles, responsibilities, and skill sets required for each domain. Whether it's crafting code or crafting strategy, understanding the core functions of product engineering and management is crucial for making an informed career choice.

**Essential Skills for Success:**As the discussion unfolded, Sameer Jindal delved into the essential skills needed to excel in product engineering and management roles. From technical proficiency to strategic thinking and effective communication, participants gained valuable insights into the competencies required for success in these fields. Armed with this knowledge, aspiring professionals are better equipped to chart their career paths and develop the necessary skills to thrive in their chosen domain.

**Navigating Industry Trends and Disruptions:**The webinar provided a glimpse into the ever-evolving landscape of product engineering and management, highlighting current trends and disruptions shaping these fields. From the rise

of artificial intelligence to shifting consumer preferences, participants gained valuable insights into the forces driving change and how they can adapt to stay ahead of the curve. Understanding industry trends is key to anticipating future developments and positioning oneself for success in a rapidly evolving market.

**Preparing for the Future of Work:**In an era of digital transformation and technological disruption, the webinar emphasized the importance of preparing for the future of work. Young professionals were encouraged to proactively upskill and reskill themselves to remain relevant in an increasingly competitive job market. By investing in continuous learning and professional development, individuals can future-proof their careers and unlock new opportunities for growth and advancement.

**The Role of Upskilling Programs:**Finally, the webinar underscored the role of upskilling programs in enabling professionals to stay ahead of the curve. Whether it's pursuing online courses, obtaining certifications, or participating in professional development initiatives, upskilling programs provide individuals with the tools and resources they need to enhance their skills and advance their careers. By embracing lifelong learning, professionals can position themselves as valuable assets in an ever-changing landscape.

In conclusion, the webinar served as a valuable resource for individuals navigating the career crossroads of product engineering and management. By providing insights into the nuances of these roles, essential skills for success, industry trends, and the importance of upskilling, the session empowered participants to make informed decisions about their career paths and embark on a journey of growth and success.

**EXTRACURRICULAR ACTIVITY**

## • Shiv Jayanti Celebrations at Institute of Chemical Technology (February 19, 2024)



The halls of Institute of Chemical Technology echoed with the valorous spirit of Chhatrapati Shivaji Maharaj as the college celebrated Shiv Jayanti with great zeal and reverence. The event, organised by the cultural committee, Students of I-Mtech 1st year, aimed to honour Maharashtra's legendary warrior king Chhatrapati Shivaji Maharaj and showcase his legacy to enthral audience. Preparation celebration started 2 days ago with Boy's of I-Mtech 1st year building a fort as Shivaji Maharaj forts hold a significant place in Indian history and serve as remarkable testaments to the architectural brilliance and military strategy of the Maratha Empire Back in the day.

19th Feb, Monday, The day commenced with a ceremonial lighting of the lamp by the college principal, followed by a Various rendition of Dhol Tasha followed by Shiv Tandav Stotram, Invoking the blessings and strength of Lord Shiva, whom Shivaji Maharaj revered deeply. Students and faculty members Were dressed in traditional Maharashtrian attire, Students were wearing Red kurta with white Feta's and Girls wore Nauwaari

and added a colourful charm to the event. The corridors were adorned with posters depicting Shivaji Maharaj's life, achievements, and the values he stood for.

The highlight of the celebration was a cultural extravaganza that unfolded. The program began with a mesmerising dance performance Act Portraying Shivaji maharaj's story since his birth to Swarajya Sthapana Rajyabhishek, showcasing the grace and energy of Maharashtra's History. This was followed by narrating the heroic exploits of Shivaji Maharaj and his brave soldiers. Amazing Narration By Malhar Joshi (student Of 1st year Imtech)

The cultural program also included melodious Marathi Shivaji Poem Sung brilliantly By Ayush Gulhane, Celebrating the spirit of unity and resilience. Students, with their vibrant performance, captivated the audience and brought alive the essence of Maharashtra's rich artistic heritage. It was a learning experience that deepened the understanding and appreciation of Maharashtra's history.

The festivities culminated with Refreshments, creating a sense of camaraderie and togetherness among everyone present.

The Shiv Jayanti celebrations at Institute Of Chemical Technology, Jalna were not just a commemoration but a vibrant expression of pride, culture, and unity. The event brought the college community together, fostering a sense of belonging and respect for the rich heritage of Maharashtra and its iconic leader, Chhatrapati Shivaji Maharaj

## • Meri Maati Mera Desh: Celebrating Independence Day with Unity and Tradition (14<sup>th</sup> August 2023)

In the spirit of "Meri Maati Mera Desh" (My Soil, My Country), ICT Marathwada Jalna celebrated India's Independence Day with a blend of tradition, unity, and environmental consciousness. The theme echoed through the campus as students and teachers alike took a solemn pledge to uphold the values of freedom, unity, and responsibility

towards our land. Adding a touch of creativity and solidarity, students from the batch of 2020 embarked on a unique initiative by crafting Diyas (oil lamps) from clay, inviting faculty members Dr. Jotiya Sarkar and Prof Saurav Raj to join in the endeavor.

Taking the Pledge: The day began with a sense







of reverence as students and teachers gathered to take the pledge of allegiance to our nation. With voices united, they vowed to cherish and protect the rich heritage of our soil and contribute towards its prosperity and well-being. The pledge served as a reminder of our collective responsibility towards building a stronger, more inclusive India.

#### Crafting Diyas:

In a heartwarming display of solidarity and creativity, students from the batch of 2020 took the initiative to make Diyas using mud clay, symbolizing the connection between our land and our cultural traditions. With skillful hands and artistic flair, they molded the clay into intricate designs, infusing each Diya with the spirit of independence and resilience. The

invitation extended to Dr. Jotiya Sarkar and Prof Saurav Raj to join in the Diya-making process further emphasized the collaborative ethos of the celebration.

Joining Hands: Dr. Joyita Sarkar and Prof Saurav Raj enthusiastically embraced the opportunity to connect with students and participate in the Diya-making activity. Their presence served as a source of inspiration and encouragement, fostering a sense of camaraderie and mutual respect between students and faculty members. Together, they embodied the essence of “Meri Maati Mera Desh,” reaffirming their commitment to nurturing our soil and upholding our cultural heritage.

## • Illuminating Wisdom: A Tribute to Guru Purnima at ICT Marathwada Jalna ( 3<sup>rd</sup> July 2023 )



Guru Purnima, a revered occasion steeped in the tradition of honoring teachers and mentors, was celebrated with utmost reverence and enthusiasm by the 2021 and 2022 batches of our prestigious institution. The event, organized with meticulous planning and heartfelt intentions, aimed to pay homage to the guiding lights whose wisdom and mentorship have sculpted our academic journey. The festivities commenced with a soulful rendition of a shloka, a timeless Sanskrit verse, resonating with profound gratitude and respect, as our esteemed professors were welcomed into the gathering. The shloka, chosen for its spiritual significance, evoked the divine presence of the guru, symbolizing the eternal bond between teacher and disciple. In a gesture of deep appreciation, each professor was felicitated with flower saplings, symbolizing the blossoming of knowledge and

the perpetuation of wisdom across generations. These saplings, carefully chosen and nurtured, embodied the essence of growth, renewal, and the enduring legacy of learning. As a poignant tribute to their invaluable contributions, some of the saplings were ceremoniously planted at the foyer of the new building, serving as living testaments to the transformative power of education. The celebration extended to the dedicated helping staff, whose unwavering support and tireless efforts form the backbone of our academic community. They, too, were honored with small tokens of appreciation, acknowledging their indispensable role in maintaining the smooth functioning of our institution. Amidst the atmosphere of reverence and gratitude, the cultural performances infused the event with vibrancy and joy. Anju Jha, with her infectious charm and wit, recited a delightful and humorous poem, eliciting laughter and applause from the audience, and adding a touch of levity to the proceedings. The stage came alive with mesmerizing dance performances by Shatakshi, Sahil, Mrunal, and Vidhi, whose graceful movements and expressive choreography captivated the audience and showcased the rich tapestry of talent within our student community. However, the pièce de résistance of the evening was a compelling skit, meticulously crafted and flawlessly executed by Shreya, Devanshu, Piyush,





Jai, Shatakshi, Pratik, and Vaidarbhi. Set against the backdrop of a classroom scenario, the skit masterfully intertwined the teachings of Shivaji Raje with the essence of Guru Purnima, illustrating the profound significance of the occasion. Through a series of poignant vignettes, the skit elucidated the pivotal role of teachers in shaping the character and destiny of their students, while also highlighting the timeless values of courage, integrity, and righteousness exemplified by the great warrior king.

As the curtains drew to a close on the celebration,

the echoes of gratitude and inspiration lingered in the air, leaving an indelible impression on all who were present. The celebration of Guru Purnima served not only as a tribute to our mentors and guides but also as a reaffirmation of our commitment to the pursuit of knowledge, enlightenment, and the noble ideals espoused by our revered gurus. In essence, it was a heartfelt homage to the guiding lights who illuminate our path of learning, inspiring us to soar to greater heights of wisdom, compassion, and excellence.

## • **Nurturing Wellness: Embracing Yoga on International Yoga Day at ICT Campus ( 21<sup>st</sup> July 2023 )**

In commemoration of the 9th International Yoga Day, the serene grounds of our ICT campus blossomed with vitality and well-being as students and staff gathered to partake in a rejuvenating yoga session. Organized by our esteemed Dean Dr. Parag Nemade and dedicated staff members, the event proved to be a transformative experience for all in attendance.

Guiding us on this holistic journey was none other than international yoga instructor, Suresh Singh Tower, whose wealth of experience and dedication to the practice of yoga left an indelible mark on our hearts and minds. Despite being a retired sub inspector, Mr. Tower's passion for yoga shines through, with over 12-13 years of expertise and a commendable commitment to imparting knowledge to the community, having trained hundreds of students across various locations, free of charge.

During the session, Mr. Tower imparted invaluable insights into the significance of yoga in our daily lives, emphasizing its profound impact on physical, mental, and emotional well-being. Through a series of asanas, pranayama techniques, and targeted exercises designed to address specific health concerns such as kidney stones and digestive issues,

we were enlightened on the transformative power of yoga in fostering overall health and vitality.

As we immersed ourselves in the practice, the benefits of yoga became abundantly clear, with each stretch and breath serving as a gentle reminder of the importance of self-care and mindfulness. Mr. Tower's patient guidance and expert instruction ensured that participants of all levels felt empowered to embrace yoga as a lifelong practice for personal growth and well-being.

The session concluded with a profound sense of gratitude and appreciation for the transformative experience we had shared. On behalf of all students, I extend heartfelt thanks to our professors for organizing such a wonderful and enlightening session, providing us with the tools and knowledge to embark on a journey of holistic wellness through the practice of yoga.

In essence, the celebration of International Yoga Day at our ICT campus served as a testament to the power of unity, community, and self-care in fostering a culture of well-being and mindfulness. As we continue on our academic journey, may we carry the teachings of yoga with us, nurturing our bodies, minds, and spirits for a brighter, healthier future.

## • Harmony and Heritage: Celebrating Onam at ICT MARJ Campus (29<sup>th</sup> August 2023 )



On the vibrant morning of August 29, 2023, the spirit of Onam, the cherished harvest festival of Kerala, enveloped the ICT MARJ campus in a tapestry of colors and cultural richness. Steeped in tradition and folklore, Onam commemorates the homecoming of King Mahabali to visit his land and subjects, symbolizing unity, prosperity, and the spirit of hospitality.

The day commenced with the age-old tradition of creating the intricate 'Pookkalam' or floral rangoli, adorning the new building's entrance in front of the majestic statue of Shri Rasayan Devika. With petals meticulously arranged to form vibrant patterns, the Pookkalam stood as a testament to the artistic prowess and reverence for tradition among the ICT MARJ community.

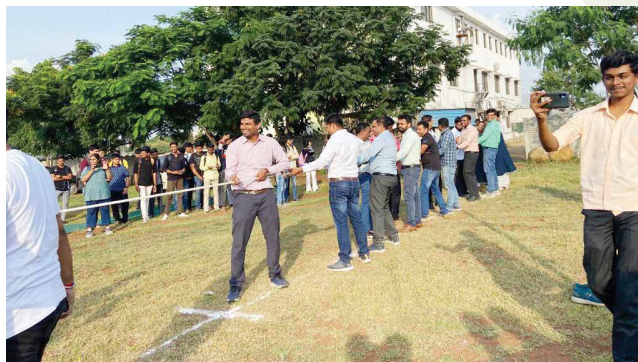
Following this auspicious beginning, the campus came alive with the aroma of traditional delicacies as faculty and students alike gathered to partake in the sumptuous 'Onasadya' feast. From the crispy

Banana chips (Upperi) to the decadent sweetness of Jaggery Chips (Sharkara Perutti), every dish served as a homage to Kerala's rich culinary heritage. The meal culminated with the indulgence of creamy Kheer (Paal Payasam), leaving hearts and stomachs equally content. In a heartwarming display of unity and reverence, the lighting of the lamp ceremony took center stage, symbolizing the triumph of light over darkness and the spirit of hope and renewal. Director Sir and Prof. Girish Joshi graced the occasion with their presence, igniting the lamp's flame and illuminating the campus with its warm glow. Amidst the joyous festivities, students and faculty came together to capture the essence of the day in vibrant group photographs, with Director Sir standing proudly beside the resplendent Pookkalam, a beacon of unity and cultural harmony.

As the day drew to a close, the spirited energy of Onam found expression in the eagerly anticipated 'Tug of War competition.' Despite the scorching heat, participants from all batches, including the enthusiastic newcomers, showcased their strength and determination, embodying the competitive spirit and camaraderie synonymous with Onam celebrations. With laughter echoing across the campus and spirits soaring high, the celebrations culminated on a cheerful note, leaving behind cherished memories and a sense of unity that will linger long after the festivities fade. Indeed, the spirit of Onam had woven its magic, uniting hearts and fostering a sense of community among all who had gathered to revel in its joyous embrace.



## • Honoring Educators: A Joyous Celebration of Teacher's Day at ICT MARJ (5<sup>th</sup> September 2023)



the Lamp ceremony, symbolizing the illumination of knowledge and wisdom, led by Director Sir, Prof. Sharad Lahoti, and Prof. Manoj Gawande. This auspicious ritual set the stage for a day filled with reverence and appreciation for the guiding lights of academia. The air reverberated with patriotic fervor as the *Rashtra Geet* and University Song filled the campus, stirring hearts and fostering a sense of unity and pride in our nation and alma mater. Following this, the sacred tradition of 'Guru Vandana' unfolded, highlighted by an enchanting Invocation Dance performed by Abhilasha Shastri, a talented 4th Year I-M. Tech student, paying homage to the invaluable role of teachers in shaping futures and nurturing dreams. The focal point of the celebration was the Felicitation ceremony, where Director Sir and esteemed faculty members were honored by the TARA members and other PhD students. The heartfelt gestures extended to the office and support staff underscored the inclusive spirit of the occasion, recognizing the collective efforts of all who contribute to the institution's success.

On September 5, 2023, ICT MARJ campus was adorned with reverence and gratitude as students and faculty gathered to celebrate Teacher's Day, commemorating the birth anniversary of the esteemed Dr. Sarvepalli Radhakrishnan. The day unfolded with a series of heartfelt tributes and joyful festivities, underscoring the profound impact of educators in shaping lives and nurturing minds.

The festivities commenced with the Lighting of



Director Sir's poignant address resonated deeply, emphasizing the profound responsibility of teachers in dispelling darkness and nurturing minds. His heartfelt pledge of support and encouragement to students underscored the unwavering commitment of the faculty to empower and uplift the next generation of leaders and thinkers. The celebration continued with moving expressions of gratitude, including a heartfelt poem by Ananya Sathe, and an inspiring speech by Sidhhi Shirke, echoing the sentiments of Albert Einstein on the transformative power of teaching.

The event culminated with a spirited Tug of War and Volleyball match, fostering camaraderie and camaraderie among faculty, office staff, TARA members, and PhD students, infusing the day with laughter and joy. As the echoes of laughter and camaraderie faded, the spirit of Teacher's Day lingered, leaving an indelible mark on the hearts and minds of all who participated. Indeed, the celebration served as a poignant reminder of the invaluable contributions of educators in shaping minds, igniting passions, and guiding futures.

## • A Festive Aura



From the chants and hymens to the heart of common pupils, the festive celebration of the commemoration of the birth of the god of wisdom and new beginnings. During the dark times of our freedom struggle to inculcate a sense of national sentiment and to gather, the masses under an ideology of unity and pride Lokmanya Tilak started the celebration of Sarvajanik Ganesh Utsav. The same ideology of unity togetherness and prosperity created the ideal folklore and symbolized it under the title of MARJCHA MORYA. The celebration may be for ten days, but the preparation and planning were to be done as a team and the execution had to be on point. The students took on the responsibility very well and segregated the



tasks and formed respective committees for the same, Women are at the forefront of the current society they have been supporting and inculcating values and nurturing, what would be better than them leading and supporting the organization of such grand and auspicious festive celebration of Ganesh Mahotsav. Many divided committees were led by female subordinates and backed up by other students.

India is a country of diversity and home to many diverse cultures among this is the culture more like an ideology of human development and growth and these are related to the increasing modern technology and step closer to knowing the universe. India proved this by its successful and glorious mission of Chandrayaan-3. To pay tribute and to develop a sense of pride the theme was based on Chandrama and Chandrayaan. The blazing spacecraft and the land of white sand not





only fascinated the young but also created a sense of curiosity among everyone.

Music is considered a universal language, and one cannot consider such a joyous event without the beats of drums. Students sincerely practiced days before the celebration in unison to give their best and welcome the lord with open hands and hearts. On the day of Chaturthi group of boys and girls with the Dhol, dressed alike in bright red kurtas with white turban and a sense of satisfied spirit and

jolly smiles beating the drums and enjoying the rhythm. The Dhol Pathak was awarded as the best and well-displayed among the subordinate groups. Ganesh Chaturthi is a multifaceted celebration that encompasses art, culture, spirituality, and community engagement. It reflects the dynamism of Indian traditions and highlights the enduring relevance of festivals in fostering social cohesion and collective well-being.

## • Celebrating Marathwada Mukti Din: A Tribute to Unity and Patriotism at ICT ( 17 September 2023)

On September 17, 2023, ICT campus reverberated with patriotism and pride as students, faculty, and staff came together to commemorate Marathwada Mukti Din, a historic milestone in the region's journey towards freedom and self-determination. The day was marked by a series of stirring ceremonies and heartfelt tributes, underscoring the enduring spirit of unity and progress that defines Marathwada's identity.

The festivities commenced with the ceremonial flag hoisting and the soul-stirring rendition of the national anthem, setting a patriotic tone that permeated the air. The resonant strains of the Rajya Geet and Marathwada Geet further fueled the collective sense of respect and pride, invoking the rich cultural heritage and resilience of the region. A highlight of the event was the presence of esteemed guest, Mr. Suresh Kesapurkar from Sanskar Prabodhini School, Jalna, whose enlightening discourse on Marathwada's history and significance captivated the audience. His insights served as a poignant reminder of the sacrifices and struggles endured by our forefathers in the pursuit of freedom and justice.

Director Prof. Uday Annapure's motivational address resonated deeply, urging attendees to embrace unity and progress as guiding principles in shaping the region's future. His words inspired a renewed commitment to the ideals of inclusivity and empowerment, igniting a spark of hope and determination in the hearts of all present.

The event culminated on a grateful note with Industrial Dean Sharad Lahoti delivering a heartfelt vote of thanks, acknowledging the collective efforts and dedication of all who had contributed to the success of the celebration. As the strains of Vande Mataram filled the air, participants joined in unison, expressing their love and devotion towards the motherland, reaffirming their commitment to its prosperity and well-being. In essence, the celebration of Marathwada Mukti Din at ICT was not just a commemoration of the past, but a reaffirmation of the region's enduring spirit and resilience. It served as a poignant reminder of the power of unity, patriotism, and collective action in shaping a brighter, more prosperous future for Marathwada and its people.

## • Celebrating Janmashtami in Tejomay Apartments Hostel: A Joyous Affair of Devotion and Festivities ( 6<sup>th</sup> September 2023 )

Janmashtami, the auspicious festival commemorating the birth of Lord Krishna, was celebrated with great fervor and enthusiasm in the vibrant community of Tejomay Apartments Hostel. The air was filled with joy and devotion as residents came together to honor the beloved deity in a memorable celebration that showcased the spirit of unity and tradition.

The highlight of the evening was a captivating skit performed by the talented students of the batch of 2020.



Titled 'Woh Kisna Hai,' the performance brought to life the enchanting tales of Lord Krishna's childhood adventures and divine miracles. From his mischievous escapades as a butter thief to his profound teachings in the Bhagavad Gita, the skit beautifully captured the essence of Lord Krishna's persona and left the audience spellbound.

Following the mesmerizing skit, the atmosphere was charged with excitement as everyone gathered for the exhilarating Matki Phod ceremony. Symbolizing the playful antics of young Krishna, participants formed human pyramids with zeal and determination, aiming to break the handi filled with butter and curd. Cheers and applause filled the air as each team successfully smashed the pot, spreading joy and laughter all around.

Amidst the festivities, the spirit of devotion

was palpable as residents came together to offer prayers and seek blessings from Lord Krishna. The melodious strains of bhajans and kirtans resonated through the corridors, creating a sense of spiritual upliftment and unity among all present.

The celebration of Janmashtami in Tejomay Apartments Hostel was not just a commemoration of a religious festival but also a reflection of the strong bonds of camaraderie and tradition that bind the community together. It served as a reminder of the timeless values embodied by Lord Krishna – love, compassion, and righteousness – which continue to inspire and guide us in our daily lives.

As the festivities drew to a close, the echoes of laughter and devotion lingered, leaving behind cherished memories of a joyous celebration filled with warmth, camaraderie, and spiritual bliss. Janmashtami in Tejomay Apartments Hostel was truly an occasion to cherish, symbolizing the triumph of good over evil and the eternal presence of divinity in our lives.

In the words of Lord Krishna himself, "Whenever there is a decline in righteousness and an increase in unrighteousness, O Arjuna, at that time I manifest myself on earth." May the spirit of Janmashtami continue to inspire us all to strive for righteousness and spread love and joy wherever we go.

## • Introducing Nutrition Fiesta 3.0: A Feast for Body and Mind at ICT MARJ!



As we gear up for the third instalment of this transformative event, anticipation fills the air.



Each year, Nutrition Fiesta at ICT MARJ brings together students, faculty, and health enthusiasts





from all walks of life to delve into the fascinating world of nutrition and wellness. And this year is no exception. Nutrition Fiesta 3.0 is set to be a true feast for the senses, offering a diverse array of activities, workshops, and experiences designed to educate, inspire, and empower attendees on their journey to optimal health. From interactive cooking demonstrations and enlightening seminars to engaging competitions and thought-provoking discussions, there's something for everyone to sink their teeth into. But Nutrition Fiesta is more than just a series of events – it's a celebration of community, collaboration, and the shared commitment to living our healthiest, happiest lives. It's a chance to come together, learn from one another, and walk away with the tools and knowledge needed to make positive changes in our daily lives. So, whether you're a seasoned health enthusiast or just dipping your toes into the world of wellness, join us at Nutrition Fiesta 3.0 as we come together to nourish our bodies, expand our minds, and celebrate the joy of living well.

#### *Nutrition Fiesta: A Collaborative Effort for Health and Wellness*

Nutrition Fiesta illuminated the halls of ICT MARJ, brought to life by the enthusiasm and dedication of students from the MTech & IMTech batch of 2020. Under the insightful guidance of Faculty Coordinator Prof. Sandhya Shewale and the esteemed leadership of Director U.S. Annapure, this event blossomed into a beacon of health and wellness on campus. Spearheaded by the dynamic duo of Sharjil Khan and Sagar Morvadiya, Nutrition Fiesta aimed to educate, inspire, and celebrate the importance of nourishing our bodies and minds.

#### *NutriToon Poster Making Competition: Creativity in Nutrition Advocacy*

The NutriToon Poster Making Competition was a vibrant canvas where students depicted the essence of healthy eating. With themes like “PhytoCal” and “Sugar ‘n’ Weak,” participants creatively communicated the significance of balanced nutrition and mindful food choices.

#### *Nutri Buzz: Igniting Passion for Nutrition Knowledge*

Nutri Buzz buzzed with excitement as participants engaged in quizzes, challenges, and discussions, testing their knowledge and passion for nutrition. Led by enthusiastic students, this event ignited curiosity and sparked meaningful conversations about the impact of diet on overall well-being.

#### *NutriTex: Expert Insights for Healthy Living*

NutriTex provided a platform for expert speakers to share valuable insights into nutrition and health. From Ayurvedic principles to the benefits of millets and the correlation between nutrition and mental health, attendees gained a deeper understanding of holistic well-being.

#### *Guilt-Free Feast: Celebrating Deliciousness with a Nutritional Twist*

The Guilt-Free Feast was a culinary delight, where participants showcased their creativity in crafting nutritious and delicious dishes. Through themes like “Shree Anna” and “Tadka Mana Hain,” students demonstrated that healthy eating can be both satisfying and indulgent.

#### *Diet Clinic: Personalized Nutrition Guidance for All*

At the Diet Clinic, students received personalised diet charts tailored to their individual needs and preferences. By considering factors such as weight, height, and medical history, participants were empowered to make informed choices for their health and wellness journey.

### *FlavorFinesse Championships: Honing Sensory Skills for Culinary Excellence*

The FlavorFinesse Championships challenged participants to identify food flavors with precision and finesse. Through various sensory tests, students showcased their culinary expertise and appreciation for the nuances of taste. Nutrition

Fiesta was not just an event; it was a celebration of the collective effort to promote health and wellness within the ICT MARJ community. As we reflect on the success of this endeavor, let us continue to prioritize nutrition education and advocacy in our journey towards a healthier tomorrow.

## FACULTY ACHIEVEMENTS

### Prof. Girish Joshi



Successfully awarded Life time membership of Prestigious Asian Polymer Association Recently prestigious Asian Polymer Association (APA) awarded Life membership to MARJ faculty Prof. Girish M. Joshi. The society involves academicians, scientists and technologists from all

over the Asian countries providing a well knitted structure of the society. Vision of the society is to bring together Asian Science and Technology to the forefront of global arena so that a very dynamic association with the scientific world from Europe and America may be accomplished. The society platform will help out in bringing together the polymer community to a highly interactive association with each other. The society has grown as a dynamic platform at the international level with enormous collaboration with societies abroad. Team MARJ congratulate for this wonderful achievement.

### Prof. Girish Joshi Successfully Nominated as Board Member for Physica Scripta, IOP Journal



Prof. Girish of MARJ campus successfully nominated Physica Scripta a Journal published by IOP. It had broad scope, international journal dedicated to presenting high quality research covering all

areas of physics and related multidisciplinary topics across the physical sciences. Recent reviewed articles and and its impact well appreciated by the journal. Team MARJ congratulate for this achievement.

### Prof. Girish Joshi Delivered Talk at CIPET, Aurangabad



CIPET : CSTS Aurangabad is celebrating Azadi Ka Amrit Mahotsav as an initiative of the Government of India to commemorate 75 years of independence. In this regard, CIPET Aurangabad is organized a National Seminar on “Recent Trends

in Polymer Technology” on Tuesday, 8th August, 2023 at 10.00 am. Prof. Girish Joshi delivered a guest lecture on topic “Recent Trends in Polymer Technology” it was opportunity to interact with hundreds of you buddies exploring the career in Polymer industries. It was very interesting academic industry platform for students .

### Girish Joshi –Planetary Speaker at Shobit University, Meerut

On 27th October 2023 International conference on science of Rudraksha held at Shobit University, Meerut. MARJ prof. Girish Joshi delivered talk on Material aspect of Rudraksha. More than

hundred potential researcher were contributed with innovation by using Rudraksha as emrging biomaterial. It was being well appreciated by the large audience.





## Board of Studies Successful Nomination of Prof. Girish Joshi at SRTMU, Nanded



In the last month SRTMU, Nanded successfully nominated MARJ faculty Prof. Girish M. Joshi as Board of studies member for three subjects. It includes Electronic science, Energy and power, Chemical Engg. and Technology. This appointment is for a period of minimum two years and may be extendable. It excellent platform to share the experience in view of new national education policy -2020 modalities to this state university. The entire MARJ faculty team and Director, Prof. Uday Annapure congratulated Prof. Girish Joshi for his successful nomination as BOS member.

### List of publications:

- 1. **SS Mane, GM Joshi**, Development of soft polymer blend for copper ion detection by electrochemical route, J. of Applied Polymer Science 140 (14), e53691, 2023
- 2. **PD Solanki, MH Oza, G Joshi, HO Jethva, MJ Joshi**, Synthesis, Structural, FT-IR, UV-Vis. Spectroscopic, Thermal, and BET Studies of Magnesium Ion Doped Strontium Pyrophosphate Nano-Particles, ECS J. of Solid State Science and Technology 12 (3), 031001, 2023
- 3. **PS Jadhav, SS Humbe, GM Joshi**, Polymer Blend Nanoarchitectonics with Exfoliated Molybdenum Disulphide/Polyvinyl Chloride/Nitrocellulose, J. of Inorg. and Org. Polymers and Materials 33 (3), 680-693
- 4. **AR Polu, GM Joshi**, Development of solid polymer electrolytes based on poly (ethylene oxide) complexed with 2-trifluoromethyl-4, 5-dicyanoimidazole lithium salt and 1-ethyl-3-methylimidazolium bis, High Performance Polymers 35 (1), 4-9, 2023
- 5. **VKM Katta, RS Dubey, GM Joshi**, Experimental investigation of activated carbon nano flakes produced by thermal and chemical activation processes, Fullerenes, Nanotubes and Carbon Nanostructures 31 (1), 10-17, 2023
- 6. **SN Dhole, SK Biradar, GM Joshi**, Optimization analysis of Triboloical behaviour Nylon66of polymer matrix composite by Tagguchi and RSM, Optimization, 55 (01), 2023

## Dr. Manoj B. Gawande

### Editorial Advisory Board Member of Sustainable Chemistry and Engineering Journal (an ACS Publication)

In May 2023, Dr. Manoj B. Gawande has joined as an "Editorial Advisory Board" member of the ACS Sustainable Chemistry and Engineering Journal (IF: 8.4).

Webpage: <https://pubs.acs.org/page/ascecg/editors.html>

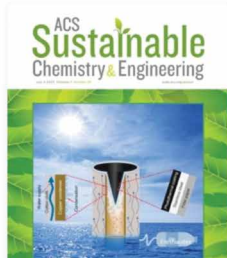
About Journal: ACS Sustainable Chemistry & Engineering invites Letters, Articles, Features,

and Perspectives (Reviews) that address challenges of sustainability in the chemical enterprise and advance principles of Green Chemistry and Green Engineering. Examples of topics in the journal's scope include: Green Chemistry, Green Manufacturing and Engineering, Biomass or Wastes as Resources, Alternative Energy, Life-Cycle Assessment

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### About the Journal



### Editorial Advisory Board

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## Featured in Stanford University's Global List of Top 2% Scientists for the Year 2023



Recently Stanford University announced global list of top 2% scientists, among that Dr. Manoj B. Gawande has once again achieved a remarkable milestone in his illustrious career. Dr. Gawande has been recognized in the exclusive 2023 list of the world's top 2% researchers, marking his fourth consecutive inclusion in this prestigious group.

Stanford University has recently released two significant lists: one that takes into account the cumulative impact of researchers' careers and another that specifically acknowledges their

exceptional contributions in 2022. Dr. Gawande's exceptional work has earned him a well-deserved place on both of these distinguished rosters, a testament to his unwavering commitment and remarkable achievements in the field of Chemistry. This accolade also reflects the outstanding achievements of the Institute of Chemical Technology (ICT) as a whole. A total of 21 ICT researchers have been featured in the coveted list of the top 2% of scientists worldwide by Stanford University. These lists are meticulously curated based on the quality of research and the impact of these scholarly works, highlighting ICT's dedication to academic excellence.

### Guest Editor of *Frontiers in Chemistry*

In July 2023, Dr. Manoj B. Gawande along with Maria Luisa Di Gioia, and Ana Rita C. Duarte edited a guest issue entitled "Advances in the

development and application of deep eutectic solvents" in *Frontiers in Chemistry* journal (IF: 5.22).

### First Two Research Scholars from Prof. Gawandes Research Group Completed Their PhD

In December 2023, Mr. Rahul Gaikwad and in January 2024, Mr. Indrajeet Warkad successfully completing their PhDs from Gawandes research group. Both are the first students from Gawandes research group and chemistry subject from ICT, Marathwada Campus Jalna.

Rahul worked on single-atom photocatalysts and nanocomposites for advanced catalytic and environmental applications, including carbon dioxide reduction to methanol. Efforts are also devoted to the various mechanistic aspects.

Indrajeet worked on nanocomposites and single-atom catalysts for organic transformations. He also explored some interesting biomass valorization reactions for industrial-oriented applications.

They have published several notable peer-reviewed Q1 journals, including *Chemical Society Reviews*, *Green Chemistry*, *ACS Applied Nanomaterials*, *Small*, *Chem Catalysis*, and several others.

We wish them all the best and extend our warm wishes for their continued success on this roller-coaster journey!

### Extension Activities:

1. Dr. Manoj B. Gawande delivered an invited talk entitled "Synthesis and Applications of Nanomaterials and Single Atom Catalysts" in IKS-Based Chemistry and Metallurgy based FDP, Sant Gadge Baba Amaravati University, Amravati on 15<sup>th</sup> January 2024.
2. Additionally, Dr. Gawande also delivered an invited talk on topic "Research Opportunities

in after MSC Chemistry" at Department of Chemistry, HPT arts and RYK Science College Nashik, on 24th January 2024.

3. Dr. Gawande delivered an invited talk in "Exploring New Horizons in Forensic Chemical and Biological Sciences" at Government Institute of Forensic Science, Aurangabad, on 29th February 2024.





### List of Publications:

1. Synthesis and energy applications of copper-based single-atom electrocatalysts Hanumant B. Kale, Arun D. Kute, Rahul P. Gaikwad, Paolo Fornasiero, Radek Zbořil, Manoj B. Gawande\* *Coordination Chemistry Reviews*, **2024**, 502, 215602.
2. Nanodiamond Supported Ultra-Small Palladium Nanoparticles as an Efficient Catalyst for Suzuki Cross-Coupling Reactions, Radka Pocklanová, Indrajeet R Warkad, Robert Pucek, Anna Balzerová, Aleš Panáček, Ravishankar G Kadam, Libor Kvítek, Manoj B. Gawande\* *Catalysts*, **2024**, 14(1), 53.
3. Advancement and State-of-art of heterogeneous catalysis for selective CO<sub>2</sub> hydrogenation to methanol, Harsh R. Darji, Hanumant B. Kale, Farhan F. Shaikh, Manoj B. Gawande\* *Coordination Chemistry Reviews*, **2023**, 497, 215409.
4. Linear-Structure Single-Atom Gold (I) Catalyst for Dehydrogenative Coupling of Organosilanes with Alcohols, Ravishankar G. Kadam, Miroslav Medved', Subodh Kumar, Dagmar Zaoralová, Giorgio Zoppellaro, Zdeněk Bad'ura, Tiziano Montini, Aristides Bakandritsos, Emiliano Fonda, Ondřej Tomanec, Michal Otyepka, Rajender S. Varma, Manoj B. Gawande, Paolo Fornasiero, and Radek Zbořil\* *ACS catalysis*, **2023**, 13 (24), 16067-16077.
5. Advances in the development and application of deep eutectic solvents, ML Di Gioia,\* ARC Duarte,\* Manoj B. Gawande\* *Frontiers in Chemistry*, **2023**, 11, 1258718.
6. Nitrogen-doped Co<sub>3</sub>O<sub>4</sub>/Pt nanocatalysts for CO oxidation via a water-promoting effect, Rahul. P. Gaikwad, Manoj B. Gawande\*, *Chem Catalysis* **2023**, 3, 100709.
7. Laser-assisted synthesis of Au NPs on MgO/chitosan: Applications in electrochemical hydrogen storage, Babak Jaleh, Aida Moradi, Mahtab Eslamipannah, Sadegh Khazalpour, Haniyeh Tahzibi, Saeid Azizian, Manoj B. Gawande, *Journal of Magnesium and Alloys*, **2023**, DOI: 10.1016/j.jma.2023.05.003

### Dr. Parag Nemade

#### List of Patents:

1. Parag Ramesh Nemade, Dhruiti Mallikarjun Rakte, Sandeep Sampatrao Haral, Sample Holder for Electrochemical Corrosion Investigation, Design Number: 386816-001, May 2023, **Granted.**
2. Parag Ramesh Nemade, Sandeep Sampatrao Haral, Sayalee Sunil Baviskar, Photocatalytic Reactor Design Number: 396062-001, Sep 2023, **Granted.**
3. Sandeep Sampatrao Haral Parag Ramesh Nemade Dhruiti Mallikarjun Rakte, Solar cloth dryer Design, Number: 402023-001, Dec 2023, **Granted.**
4. Sandeep Sampatrao Haral, Parag Ramesh Nemade, Laboratory Sink, Design Number: 402024-001, Dec 2023, **Granted.**
5. Dhruiti Mallikarjun Rakte Parag Ramesh Nemade Sandeep Sampatrao Haral, FTO glass electrode with holder, Design Number: 402150-001, Dec 2023, **Granted.**
6. Parag Ramesh Nemade Sandeep Sampatrao Haral, Ultrasound reactor, Design Number: 403283-001 Dec 2023, **Granted.**
7. Sandeep Sampatrao Haral, Sandeep Laxman Hake, Parag Ramesh Nemade, Laboratory Sink, Design Number: 401523-001, Dec 2023, **Granted.**
8. Sandeep Sampatrao Haral, Parag Ramesh Nemade, Vapor Phase Reactor for Catalyst Synthesis, Design Number: 403283-001, Jan 2024, **Granted.**
9. Parag Ramesh Nemade, Sandeep Sampatrao Haral, Dhruiti Mallikarjun Rakte, Photoelectrochemical Cell, Design Number: 405394-001, Jan 2024, **Granted.**
10. Dhruiti Mallikarjun Rakte, Sandeep Sampatrao Haral, Parag Ramesh Nemade, Hi-Performance Nanoparticle Filtration System with Enhanced Cake Resistance control, Design Number: 408321-001, Feb 2024, **Granted.**

## Dr. Sandeep Bhairat

### Receives Travel Grant to Participate in Panorama of Mathematics-II

Dr. Sandeep P Bhairat received a 1200 Euro travel grant to participate in the 2nd International Conference, “Panorama of Mathematics-II,” hosted by the Hausdorff Centre for Mathematics at the University of Bonn, Germany, from October 4-6, 2023. The conference had around 400 participants and featured 17 speakers, including several Field Medalists, addressing new trends and challenges in mathematical sciences.

The Hausdorff Center for Mathematics (HCM), established in 2006, is Germany’s first Cluster of Excellence in Mathematics and serves as a hub for global mathematical research and scientific exchange. Dr. Bhairat had the opportunity to visit various research units at the University of Bonn, such as the Mathematics Institute, Institute for Applied Mathematics, and Institute for Numerical Simulations, offering excellent prospects for theoretical and interdisciplinary research.

Additionally, he explored the Max Planck Institute for Mathematics and the ‘Arithmeum’ Museum at Bonn University, showcasing the evolution of calculating machines and early computing developments.

The highlights of Dr. Bhairat’s trip included his stay in Bonn, visits to various mathematics institutions, and interactions with esteemed faculty members and research scholars. Notably, in ‘Panorama of Mathematics-II’, he engaged in discussions with Professor Laura DeMarco (Harvard University, USA), Professor Karen E. Willcox (University of Texas, Austin) and Professor Sylvie Meleard (Ecole Polytechnique, France) delving into topics such as the Mandelbrot Set, the mathematics of digital twins and multiscale evolutionary models. These interactions offered valuable insights into cutting-edge mathematical research and possible international collaboration in the field.



Selfie with Professor Laura DeMarco, Harvard University, USA



Max-Planck Institute visit and Interaction with Research Scholars



Visit to Numerical Simulations Centre of Hausdorff Center for Mathematics, University of Bonn.



## Dr. Bhairat Delivered Research Talk in International Conference LACANA-2024.

Dr. Sandeep Bhairat delivered an invited talk at the International Conference “Latest Advances, Contributions, and Applications in Nonlinear Analysis-2024,” held from March 13 to March 16, 2024. This was the fifth of its kind, organized by Gayatri Vidhya Parishad’s Professor V Lakshmikantham Institute of Advanced Studies, Vishakapatnam. Professor J Vasundhara Devi, organizing secretary and associate director of GVP-LIAS, and Professor S B Bhalekar from the University of Hyderabad invited Dr. Bhairat as a speaker. Dr. Bhairat delivered a talk on “Experimental Evidence to Growth Rate

Sensitivity and Bifurcation Analysis” on March 14. His Ph.D. students, Ms. Anjali Nanwate and Mr. Aabid Khan, also showcased their work during the conference.

Dr. Bhairat and Dr. Gunvant Birajdar organized a symposium in LACANA-2024 titled “Recent Advances in Fractional Differential Equations and Applications,” where five invited talks and 25 participants presented their work. During the conference, Dr. Bhairat was privileged to interact with Professor A K Nandkumar, a renowned mathematics professor in analysis and PDEs from IISc Bangalore.



## Dr. Sandeep Bhairat’s Invited Talk at KTHM College, Nashik

Dr. Sandeep Bhairat, invited as a guest speaker, delivered a presentation on Research Opportunities in Applied Mathematics at KTHM College, Nashik. The event, organized by the Department of Mathematics and initiated by Dr. Chetan Shirore, aimed to engage final year B Sc, M Sc, research scholars, and young department faculty members.

The session took place on January 24, 2024. During the presentation, Dr. Bhairat interacted with M Sc students, providing insights into research opportunities and careers in Mathematics at the Institute of Chemical Technology. Dr. Bhairat is thankful to Professor R D Darekar, Principal of the college, and for this opportunity.



Some glimpses from research talk at KTHM Nashik



## Dr. Manoj Jadhao

**Project:** Dr. Jadhao recently received SERB-TARE project in collaboration with ARI Pune, Project Title: Phytochemical and pharmacological Investigations of some Selected Unexplored Endemic Species of Apiaceae Family of Northern

Western Ghats, collaboration with Dr. Ritesh Kumar Choudhary Scientist 'E', Biodiversity & Palaeobiology group Agharkar Research Institute, G.G. Agarkar Road, Pune - 411 004, Budget: 18,30000 (INR), duration: 3 years 2022-25.

### *List of Patents:*

1. Dry Column Vacuum Chromatography Apparatus/System, Indian Design Patent No. 401802-001 (granted), V. G. Beldar, M. Jadhao.
2. A Set of Interchangeable Columns for Dry Column Vacuum Chromatography Apparatus/System, Design Patent 385462-001, (Granted), Date of Filing: 02/05/2023, V. G. Beldar, M. Jadhao

### *List of Publications:*

1. Unraveling Halochromism of Azo-Based Sulphonamide and its Real-World Applications: A Combined Experimental and Theoretical Approach, ChemistrySelect, 2023, 8, e202303329.
2. Joshi S., R Joshi, M Jadhao, A simple dual responsive chemosensor for selective sensing of Cs<sup>+</sup> for environmental monitoring and mimicking molecular logic gates, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2023, just accepted.
3. Dudure R. Joshi M., Pritam P., Panda A. K., & Jadhao M.,(2023), Probing the interaction and aggregation of lysozyme in presence of organophosphate pesticides: a comprehensive spectroscopic, calorimetric, and in-silico investigation, Journal of Biomolecular Structure & Dynamics, 2023, 10.1080/07391102.2023.2259484, just accepted.
4. Joshi, S., Joshi, R., Jadhao, M. (2023), Fluoride Induced Dual Mode Moisture Detection in Organic Solvents, Food, and Agricultural Materials using Benzothiazole Based Azo Dye Sensor. ChemistrySelect, 8, e202301034.
5. Beldar, V., Laddha K., Dudure R., Fayed M, Jadhao M, An Approach for Developing a Simple and Quick Method for Separation of Asiatic Acid and Asiaticoside Rich Fraction From Centella Asiatica and Simultaneous Determination by ReversedPhase High-Performance Liquid Chromatography, Yuzuncu Yil University Journal of Agricultural Sciences , 33, 1,2023

## TARA ACHIEVEMENTS

### **First Two Doctorates in Physics Under the Supervision of Prof. Girish Joshi in Department of Physics**

ICT Marathwada Campus Research Scholar Shakar S. Humbe completed his doctor of philosophy (PhD) degree on the research topic "Modified polymer blends by plasma treated Graphene oxide and Inorganic fillers for electronic applications" under the valuable guidance and encouragement of Prof. Girish M. Joshi. He joined for PhD on March 2019 and completed his work on

March 2023. He successfully defended Viva Voce examination on 26th June 2023. Currently, He is working as Sr. Scientific Officer, R&D at Garware Hi-Tech Films LTD, Chh. Sambhajinagar.

ICT Marathwada Campus Research Scholar Pratibha S. Jadhav completed her doctor of philosophy (PhD) degree on the research topic





“Structure morphology of Modified cellulose nitrate polymer blends for engineering applications” under the valuable guidance and encouragement of Prof. Girish M. Joshi. She joined for PhD on November 2019 and completed her work on August 2023. She successfully defended Viva Voce examination on 16th February 2024. Recently, She joined as Asst. Prof. for Physics at PlastIndia International University, Vapi, Gujrat.

Devyani Kshirsagar, a research scholar won the best poster award at the “Indian Conference on Carbon Materials 2023 (ICCM 2023)” on the topic “Plasma Treated Conducting Carbon Black Epoxy Composite an Exclusive Analysis for Tribological Applications” organized by ‘Indian Carbon Society, Maharashtra Chapter’ and technical associate by ‘Materials Group, Bhaba Atomic Research Centre’ at DAE convention centre, BARC Anu Shakti Nagar Mumbai.

### *List of Publication:*

1. Influence of hybrid filler on charge conduction and storage performance of polyvinyl chloride/nitrocellulose blend for hybrid electrolyte application.  
**Authors:** Pratibha S. Jadhav, Girish M. Joshi  
**Journal Name:** Chemistry Select  
**DoI:** <https://doi.org/10.1002/slct.202304421>  
**Publication Date:** 12<sup>th</sup> March 2024.
2. Hydrophobic polymer nano hybrid ternary composite electrode for nanomolar tracing of Cd<sup>2+</sup> ions  
**Authors:** Savita S. Mane, Girish M. Joshi  
**Journal Name:** Journal of applied polymer science  
**DoI:** 10.1002/app.55249  
**Publication Date:** 18<sup>th</sup> January 2024.

## Department of chemistry

### Mr. Hanumant B. Kale

Mr. Hanumant B. Kale has published a two comprehensive review article on his PhD topic entitled “Advancement and State-of-art of heterogeneous catalysis for selective CO<sub>2</sub> hydrogenation to methanol” (DOI: <https://doi.org/10.1016/j.ccr.2023.215409>) and “Synthesis

and energy applications of copper-based single-atom electrocatalysts” (DOI: <https://doi.org/10.1016/j.ccr.2023.215602>) in Coordination Chemistry Reviews (IF-20.6), Elsevier publication under the supervision of Dr. Manoj B. Gawande.

## Department of chemical engineering

### Mr. Sandeep Haral

#### **Design patent (Design registration)**

1. Parag Ramesh Nemade, Dhruvi Mallikarjun Rakte, Sandeep Sampatrao Haral, Sample Holder for Electrochemical Corrosion Investigation, Design Number: 386816-001, May 2023, **Granted.**
2. Parag Ramesh Nemade, Sandeep Sampatrao Haral, Sayalee Sunil Baviskar, Photocatalytic Reactor Design Number: 396062-001, Sep 2023, **Granted.**
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5. Dhruvi Mallikarjun Rakte Parag Ramesh Nemade Sandeep Sampatrao Haral, FTO glass electrode with holder, Design Number: 402150-001, Dec 2023, **Granted.**
6. Parag Ramesh Nemade Sandeep Sampatrao Haral, Ultrasound reactor, Design Number: 403283-001 Dec 2023, **Granted.**
7. Sandeep Sampatrao Haral, Sandeep Laxman Hake, Parag Ramesh Nemade, Laboratory Sink, Design Number: 401523-001, Dec 2023, **Granted.**



8. Sandeep Sampatrao Haral, Parag Ramesh Nemade, Vapor Phase Reactor for Catalyst Synthesis, Design Number: 403283-001, Jan 2024, **Granted.**
9. Parag Ramesh Nemade, Sandeep Sampatrao Haral, Dhruvi Mallikarjun Rakte, Photoelectrochemical Cell, Design Number: 405394-001, Jan 2024, **Granted.**
10. Dhruvi Mallikarjun Rakte, Sandeep Sampatrao Haral, Parag Ramesh Nemade, Hi-Performance Nanoparticle Filtration System with Enhanced Cake Resistance control, Design Number: 408321-001, Feb 2024, **Granted.**

## STUDENT ACHIEVEMENTS

### 1. Jai Vengurlekar: A Trailblazer in Research

Jai Vengurlekar, a dedicated student in his third year at I.M.Tech (2021 Batch) at ICT Marathwada Jalna, recently achieved a significant milestone by being awarded the prestigious Indian Academy of Science - Summer Research Fellowship. This accolade not only recognizes Jai's academic prowess but also marks a historic achievement as he becomes the first student from ICT Jalna Campus to receive this national fellowship.

The fellowship, which spans two months, provided Jai with an enriching research experience at esteemed institutions. Jai had the privilege of conducting his research at the renowned Indian

Institute of Science in Bangalore. During his tenure, Jai focused on delving into the structural aspects of various polymer chain models and presented a comprehensive overview of Intrinsic Disordered Proteins. His dedication to his research and the depth of his analysis have garnered admiration from peers and mentors alike. Jai's commitment to academic excellence and his groundbreaking research in the field of polymer chain models and Intrinsic Disordered Proteins not only showcases his talent but also sets a high standard for future scholars at ICT Jalna Campus.

### 2. Sarang Subhashchandra Shindalkar: A Scholar at the Forefront of Scientific Innovation

Sarang Subhashchandra Shindalkar, a fifth-year student pursuing IMTech - Materials, has made remarkable strides in the realm of scientific research and publications. His recent achievements stand as a testament to his dedication and passion for advancing knowledge in his field.

In a recent review article titled "Advances in Biomass and Nature-Derived Ceramic Membranes and Their Environmental Applications in Wastewater Treatment," Sarang demonstrated his expertise in environmental applications of materials science. His insightful analysis and contributions to this review have been recognized with publication in *Advanced Engineering Materials* (Wiley), boasting an impressive impact factor of 3.6. Sarang extends his gratitude to Prof. Dr. Manoj B. Gawande for her invaluable guidance and acknowledges the collaborative effort of his team and mentors.

Further showcasing his versatility and expertise, Sarang's article "Polythiophene Blends and

Composites as Potential Energy Storage Materials" has been published in *Synthetic Metals* (Elsevier) with an impact factor of 4.0. This publication sheds light on innovative energy storage materials, highlighting Sarang's contribution to the field's advancement. He acknowledges Dr. Balasubramanian K., Rajesh Singh, Mohammed Ansari Mohammed Nainar, Mouliswar Reddy, and the entire research team for their support and encouragement.

In another significant achievement, Sarang and his team's research paper titled "Green Synthesis of Super-Hydrophobic MXene-Hexaferrite Composite for EMI Shielding" has been published in the *Journal of Electronics Materials* (Springer). This breakthrough composite offers enhanced EMI shielding capabilities for applications in health and defence sectors. Sarang expresses his gratitude to Prof. Dr. Balasubramanian K, Dr. A. A. Bazil Raj, Radha Perumal Ramasamy, and Girish Joshi for their contributions to this impactful research.





Sarang Subhashchandra Shindalkar's dedication to scientific innovation and his significant contributions to the field of materials science

underscore his position as a scholar at the forefront of cutting-edge research and development.

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### 3. Omkar Prakash Shetye: Excelling in Chemical Engineering

Omkar Prakash Shetye, a fifth-year student from the 2019 batch at IMTech with a specialisation in Chemical Engineering and a minor in Energy, has recently achieved a significant milestone by qualifying the GATE-2024 exam with an

impressive All India Rank of 1204 in Chemical Engineering. This accomplishment underscores Omkar's dedication to academic excellence and his proficiency in the field.

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### 4. Vasudha Vijaykumar Patil: Versatile Achiever

Vasudha Vijaykumar Patil, a third-year student at IMTech-Petro, has showcased her versatile skills and leadership qualities in various domains.

As the captain of the team, Vasudha led her team to the runner-up position in both volleyball and cricket tournaments during URJA, highlighting her leadership abilities and sportsmanship.

Additionally, Vasudha secured the third rank in the flash 300 event at the tech fest Aakriti, demonstrating her prowess in technical

competitions and her dedication to academic and extracurricular excellence.

Moreover, Vasudha's professional journey includes completing an internship at INDORAMA Synthetic India Limited in Jalna and embarking on a new research intern position at the prestigious Indian Institute of Petroleum, showcasing her commitment to gaining practical experience and furthering her knowledge in the field of petrochemicals.

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### 5. Dev Patra: Research Geek

Dev Patra, a 2021 graduate from IMTech, has made notable contributions to the field of chemical engineering through his research endeavours.

Dev's research papers, titled "Generalised Pitzer-Debye-Hückel (PDH) framework for the deep eutectic solvent-assisted extraction of europium (III), americium (III), and uranium (VI)" published in Solvent Extraction and Ion

Exchange by Taylor and Francis, and "Systematic Exploration of COSMO-SAC-PDH and EXT-UNIQUAC-PDH\* Models for Rare-Earth Element Leaching in Deep Eutectic Solvents" published in Industrial & Engineering Chemistry Research by ACS, showcase his expertise in the field and his commitment to advancing scientific knowledge.

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### 6. Mrunal Nannaware: Research Internship Accomplishments

Mrunal Nannaware, a third-year student at IMTech, has successfully completed an internship at DRDO/DIAT Pune under the guidance of Dr. Bala Subramanian K. During his internship, Mrunal made significant contributions to

scholarly publications, including a comprehensive review paper on PFAS substances' environmental impact and neurotoxicity effects. Mrunal's active engagement in ongoing research reflects his passion for scientific inquiry and academic excellence.

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### 7. Kashish Bondade and Sakshi Kataruka: Artistic and Sporting Achievements

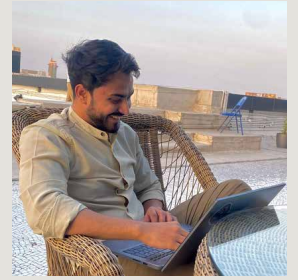
Kashish Bondade, a third-year student in Pharma, secured the second rank in a drawing competition, showcasing her artistic talent and creativity.

Sakshi Kataruka, a third-year student at IMTECH,

emerged as the winner in table tennis girls' category at URJA 3.0 and also won the rangoli competition in cultural events, highlighting her prowess in sports and cultural activities.

# INTRODUCING CREATIVE MINDS BEHIND MARGJAL

Writing each draft for this magazine was like sculpting the days back when we lived, the memorable days we spent on campus — from worrying about academics to enjoying exciting events. From giving induction seminars to freshers to cheering on the achievements of our final-year students, It's been a journey, and we've tried to capture these moments in our magazine. I'm grateful to my team for trusting me to lead and for their contributions to completing the magazine. Each of us played a role, and together, we made it happen.



**Sharjil**  
Editor/Drafter



**Garima**  
Drafter

It's been an incredible journey bringing together the diverse voices and stories that fill these pages. Each article, photo, and illustration is a labor of love, crafted with the utmost care to ensure an enriching experience for you, our readers. I hope you find inspiration, insight, and joy within these pages. Thank you for allowing me the privilege of sharing this creative endeavor with you.

Being part of the college magazine's editorial team lets you dive into campus events like the foundation day celebration. You'll interview speakers, capture moments, and share the excitement with the community. It's not just reporting; it's being part of the event, celebrating our university's history, and connecting with our campus family.



**Vaidarbhi**  
Drafter



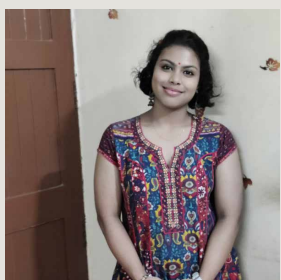
**Prachi**  
Drafter

I had a pleasure of working as a writer for our margjal, and it was incredibly rewarding experience. I immersed myself in a range of topics, from campus events to Fests, Collaborating with sharjil khan, fellow writers and editors was both inspiring and fulfilling, I am glad being part of such a creative and dynamic team, It's been truly enriching and cannot wait to see what we'll accomplish next!

The purpose of highlighting timely responses and celebrating individual achievements is to instill valor and inspire others to engage in various activities, whether academic or extracurricular. Margjal's main goal is to foster a diverse range of ideologies to encourage students to seize and excel in future opportunities.



**Hridaay**  
Drafter



**Ayshwaryalakshmi**  
Drafter

My experience as a writer for Margjal was truly fulfilling and enriching. Exploring a range of topics and collaborating with talented colleagues was both inspiring and gratifying. I'm grateful for the opportunity to be part of such a dynamic team, and I'm eager to see where our collective efforts will take us next!

Being a writer for our magazine has been a truly enriching experience. Delving into diverse topics, from the buzz of campus life to the vibrant atmosphere of festivals, has been a journey full of discovery. Collaborating with Sharjil Khan, alongside a group of incredibly talented writers and editors, has been a source of constant motivation and joy. I am thankful to be a part of such a creative and energetic team.



**Ashutosh**  
Drafter