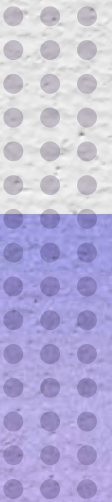


ADYPU NEWSLETTER

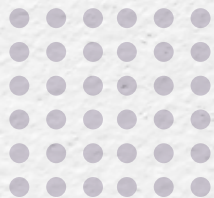
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UNIVERSITY



APRIL 2024





EDITORIAL MESSAGE

Dear Readers,

As April bids farewell, let us reflect on a month filled with learning experiences, impactful engagements, and collective endeavors toward sustainability and innovation within our academic community.

Throughout the past weeks, our students embarked on enriching field visits, immersing themselves in practical applications of their studies. These experiences not only complemented their classroom learning but also led to a deeper understanding of real-world challenges and solutions.

In line with our commitment to sustainability, a highlight of April was the enlightening guest lecture on sustainability. Renowned experts graced our campus, sharing invaluable knowledge and strategies.

Complementing these lectures were engaging workshops and club activities that provided platforms for hands-on learning and collaboration. The debate club motivated our students to hone their skills and nurture their passions.

Our erudite faculty members continued to lead by example, spearheading groundbreaking research and publishing insightful findings that contribute to the advancement of knowledge in their respective fields. It is their dedication to scholarly inquiry and academic excellence that inspires both students and peers alike.

April also witnessed heartfelt initiatives towards social responsibility, with visits to NGOs and donation drives aimed at making a tangible difference in the lives of those in need. These acts of kindness embody the spirit of compassion and solidarity that defines our community, reminding us of the power of collective action in creating positive change.

Furthermore, the month culminated in an innovation and funding workshop. Through mentorship and strategic guidance, students unlocked new pathways toward innovation and entrepreneurship, fueling the spirit of creativity and enterprise.

As we look back on April's endeavors, we shall carry forward the lessons learned and the connections forged, continuing our journey toward excellence, sustainability, and social impact.

Warm regards,
Editorial Board



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Index



**Academic
Highlights**



**Campus
Highlights**



**Research
Milestones**



**Global
Collaboration**



**Students
Corner**



**Entrepreneurship and
Innovation**



**Community Service
(NSS)**

Academic Highlights

Engineering Students Explore Biotechnology Innovations at BVG Life Sciences

Under the guidance of Dr. Shankar Khade and Dr. Shweta Ukey, students from the School of Engineering recently embarked on an industrial visit to BVG Life Sciences on April 10, 2024. This visit offered them a unique opportunity to gain firsthand experience in the field of life sciences and biotechnology. Accompanied by industry experts, the students explored the cutting-edge facilities and observed the application of engineering principles in real-life scenarios.

This experience not only enriched their academic understanding but also deepened their appreciation for the interdisciplinary nature of engineering. Witnessing innovative solutions and advanced technologies in action inspired the students to consider how they can contribute to addressing global healthcare and biotechnology challenges in the future.



Engineering Students Gain Insights at Indo-Italian Manufacturing Exhibition

Under the guidance of Dr. Vivek Gupta and Dr. Ashish Singh, students from the School of Engineering visited the **Auto Cluster** for an enlightening experience. They explored an Indo-Italian manufacturing exhibition on April 6, 2024, with Mr. Hrridyesh Deshpande, Vice Chancellor of ADYPU, as the Chief Guest.

The visit offered firsthand exposure to cutting-edge technologies and innovative manufacturing processes, enriching their understanding of global industrial practices. Interacting with industry leaders inspired them to aspire towards excellence in engineering, laying the foundation for future success.



Students Gain Insights at Wonder Automation Visit

Under the expert guidance of Prof. Satyanarayan Sabat and Prof. Sneha Shirke, students from the School of Engineering embarked on an enlightening industrial visit to **Wonder Automation** in Chandigarh on April 10, 2024. This experience provided students with a glimpse into the world of automation and robotics. Guided by industry experts, students had the opportunity to witness cutting-edge technologies like PLC and Scada in action and gain insights into the practical applications of engineering principles. From robotic assembly lines



to automated control systems, the visit showcased the latest innovations driving efficiency and productivity in the manufacturing sector.

Through interactive sessions and hands-on demonstrations, students not only expanded their technical knowledge but also gained a deeper appreciation for the role of automation in shaping the future of industry.



Empowering Educators: Faculty Development on Bloom's Taxonomy & Question Design

ADYPU organized a Faculty Development Program (FDP) to equip faculty members from eight schools with insights into **Bloom's Taxonomy** and effective question paper design. Led by Dr. Madhura Jagtap, the session explored the cognitive learning levels and assessment strategies inherent in Bloom's Taxonomy, enhancing pedagogical practices.

Through engaging discussions and practical exercises, participants learned to align instructional objectives with cognitive complexity levels. The program also focused on designing question papers to stimulate critical thinking and problem-solving skills.



Faculty Achievement: Prof Anushree Pathak Completes Indian Feminisms Development Program

Prof Anushree Pathak, a faculty member of the School of Liberal Arts, has recently completed the Faculty Development Program on **"Indian Feminisms: Concepts and Issues."** This rigorous four-week course, administered by IISER Bhopal, was conducted online. Prof Pathak's dedication to enhancing her expertise in this vital field is admirable and highlights our dedication to academic excellence.



Settlement Study: Exploring Korlai Village Dynamics and Community Needs

The School of Architecture conducted a Settlement Study for FY BArch Students from March 26th to 28th, 2024, focusing on Korlai Village, Chaul, Alibaug. Led by SOA Faculty Prof Aditi Garg, 14 students participated in this immersive experience, exploring various aspects of the village, including demographics, amenities, and cultural features.

Through interviews, surveys, and observations, students gained insights into rural housing planning and architectural elements reflecting cultural beliefs. They also visited local attractions such as Korlai fort and Kashid beach. The study culminated in student presentations featuring architectural drawings, sketches, and scaled models.



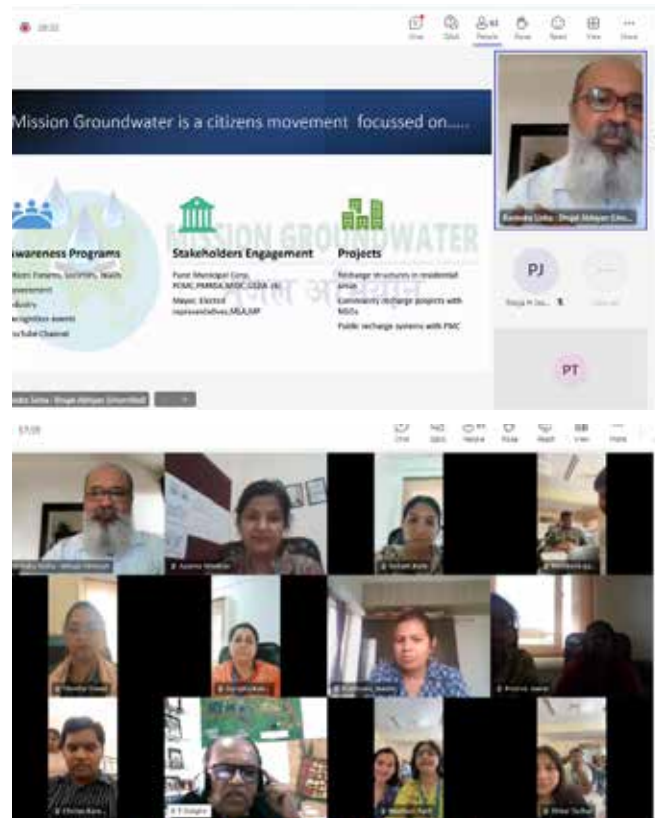
Exploring Urban Dynamics: Settlement Study of Pannala Unveils Architectural Insights

The School of Architecture conducted a settlement study in Pannala, Kolhapur, involving T.Y.BArch students and faculty members. The study, held from April 4th to April 6th, aimed to analyze urban issues and identify future development opportunities. Through interviews, surveys, and data collection methods, students gained insights into the community's daily life and the role of architecture. Key highlights include interactions with the Nagar Parishad, insights into Vada typology houses, and the acquisition of a proposed development plan for Pannala.



Insightful Guest Talk on Urban Water Crisis

The School of Architecture organized a guest talk on **World Water Day** featuring Ravindra Sinha, Founder Trustee of Bhujal Abhiyan Trust, on March 28, 2024. The discussion, titled "**Is Pune Headed the Bengaluru Way? What Can We Do?**", Focused on water scarcity issues in urban India and the role of design thinking in finding sustainable solutions. With 50 students and 10 faculty members in attendance, the talk highlighted the importance of rainwater harvesting and addressed the specific challenges faced by Pune. Conducted online via MS Teams, the session provided valuable insights for students and faculty to tackle water scarcity through informed actions.



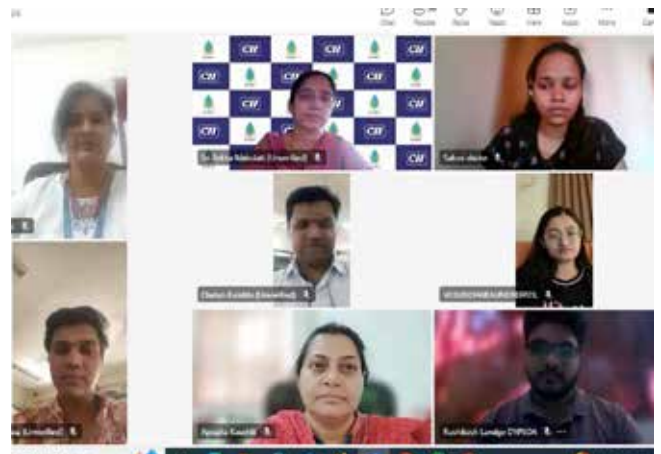
Guest Lecture on Building Sustainability

On April 16, 2024, the School of Architecture organized a guest lecture on **"Life Cycle Assessment of Buildings"** for F Y M. Arch, Fifth year, Fourth Year B. Arch, and Engineering students. The lecture, led by Ms. Sri Rekha, an IGBC expert, aimed to educate attendees on sustainability measurement tools. Attendees, comprising 50 students and 10 faculty members, gained insights into the life cycle assessment process and IGBC green building rating parameters.



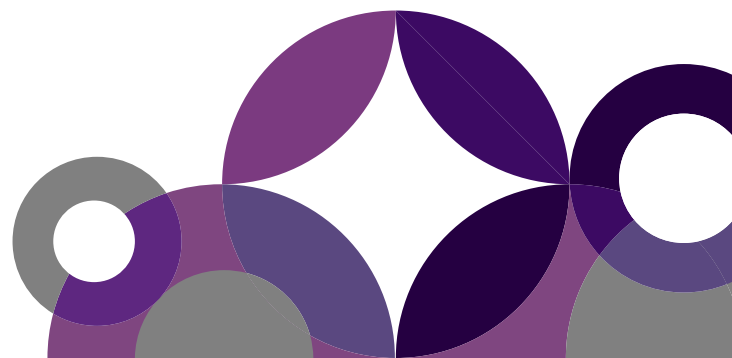
Alumni Guest Lecture on Green Building Ratings

On April 10, 2024, D Y Patil School of Architecture hosted an alumni guest lecture by Ar. Anagha Shah on Green Building rating systems. Ar. Shah, an alumna and environmental architect, shared insights into GRIHA and IGBC rating systems with final-year B.Arch and first-year M.Arch students. Highlights included discussions on energy efficiency, renewable energy, waste, and water management criteria, followed by a Q&A session addressing post-occupancy concerns and the long-term benefits of green building adoption.



Engaging Brand Storytelling Workshop Empowers BBA Students' Marketing Skills

In marketing, storytelling has emerged as a potent tool, allowing brands to forge deeper emotional connections with consumers. Within the realm of Business Administration education, it's paramount for students to grasp the nuances of brand storytelling and its influence on consumer behavior. To facilitate this comprehension, a brand storytelling activity titled "**StorySphere: A Brand Storytelling**" was organized for BBA students by the School of Management, wherein they shared narratives about selected brands. The StorySphere activity proved to be both captivating and instructive for BBA students, providing them with a hands-on understanding of brand storytelling.



Campus Highlights

Debate Club Hosts Successful Event on Urbanization

The Debate Club, in collaboration with NSS and SSD, organized a successful event that received positive feedback from both students and staff members. The debate topic, **Is urbanization more detrimental or beneficial to the environment?** attracted students from various schools of ADYPU due to its relevance to current issues. Participants enthusiastically shared their views and appreciated the platform for constructive dialogue. The esteemed panel of judges provided valuable insights, guiding the students throughout the competition.



Educational Site Visit on Architectural Acoustics

On April 15, 2024, the School of Architecture organized a site visit to the Auditorium at Ramakrishna Math, Singhagad Road, Pune, followed by a visit to Techno Acoustics, Pirangut, Pune. The purpose was to educate students on architectural acoustic design strategies and materials. Students from T Y B.Arch, F Y M.Arch, and SY M.Arch participated in the visit, gaining insights from Er. Shreyas Paranjape on auditorium design concepts and materials. At Techno Acoustics, owner Mr. Naren Kothari provided detailed explanations on the manufacturing and application of various acoustical materials.



Research Milestones

School of Engineering

LaTeX Seminar Elevates Research Paper Writing Skills

Dr. Ravi Gandhi, an experienced academician proficient in LaTeX, recently conducted an informative seminar at the School of Engineering on the intricate process of writing research papers using LaTeX. Drawing from his extensive expertise, Dr. Gandhi guided participants through the nuances of LaTeX, showcasing its effectiveness in creating polished and visually appealing documents.

Covering topics such as paper structuring and seamless integration of mathematical equations, the audience gained valuable knowledge on

enhancing their research output. Dr. Gandhi's enthusiasm for LaTeX and commitment to enhancing scholarly communication was evident as he inspired both students and faculty to enhance their research writing abilities.



Revolutionary Algorithm for Early Hydrocephalus Detection Published in Prestigious Journal



Dr. P.G. Sivagaminathan's research paper, "**H-detect: An Algorithm for Early Detection of Hydrocephalus**," has been published in the prestigious

SCOPUS-indexed Q2 journal, "**AI Knowledge and Data Engineering**."

This groundbreaking paper, authored by a dedicated team of researchers, introduces a novel algorithm aimed at revolutionizing the early detection of hydrocephalus, a potentially life-threatening condition characterized by the accumulation of cerebrospinal fluid within the brain.



Dr. Shirsath's, Assistant Prof in the SOE publications research papers in the esteemed SCOPUS-indexed journal, the **International Journal of Intelligent Systems and Applications** in Engineering, are garnering significance in the academic community. The papers are.

Predicting Landslides through Satellite Imagery Analysis and Machine Learning introduces a groundbreaking approach to landslide prediction using satellite imagery analysis and machine learning algorithms.

Machine Learning for Precision Agriculture: Predictive Analysis of Crop Growth Frequencies, explores the application of machine learning in precision agriculture.

Additionally, a book chapter titled **Next-generation Intrusion Detection System for 5G Networks with Enhanced Security using Updated Datasets** is published in the book **Networks Attack Detection on 5G Networks using Data Mining Techniques**.

These research papers collectively highlight the transformative potential of intelligent systems and machine learning in addressing critical global challenges.



Top Paper on Assistive Technologies for Alzheimer's Patients Recognized at International Conference.

Dr Ranjit Kumar, Assistant Professor published a paper titled, **Exploring Assistive Technologies for Alzheimer's Patients and their Caregivers: An Overview of Relevant Literature**. The research paper was honored as the top paper at the renowned International Conference on Advanced Communication, Energy, and Big Data indexed by SCOPUS. Offering insights into various technologies for Alzheimer's patients and caregivers, from cognitive aids to remote monitoring systems, it highlights the importance of advancing research in assistive technologies.



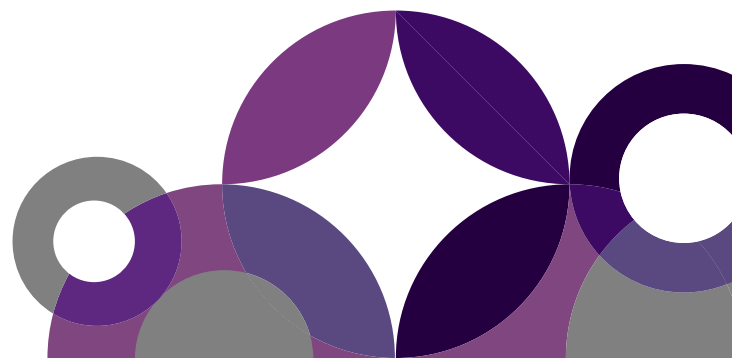
Innovative Paper on Educational Activity Management System Wins Top Honor at International Conference.

Dr. Amol Kasture coauthored a paper with one of the students titled, **Enhancing Educational Activity Operations with an Android Application**, has been recognized as the top paper at the esteemed International Conference on Advancements in Education Research and Development, indexed in SCOPUS. Their rigorous research and practical implementation provide a substantial contribution to education, offering a scalable solution for addressing the changing needs of educational institutions in the digital era. This acknowledgment underscores their commitment to advancing educational research and promoting innovation in educational technology.



Exploring Private Universities in India: Dr. Susanta Das's Insightful Chapter

Dr. Susanta Das has penned an insightful chapter titled **Review and Graphical Presentation of Private Universities in India up to 2021** in the book **Recent Trends in Multidisciplinary Research and Development**. This chapter offers a comprehensive analysis of the growth, trends, and contributions of private universities in India.



School of Law

Advocate Abhilasha Mane's recent Scopus-published research paper titled **"Understanding the Legal and Psychological Ramifications of Domestic Violence on Rural Women in Maharashtra: A Comprehensive Analysis"** explores the legal and psychological impacts of domestic violence on rural women in Maharashtra. The study delves into the prevalence, types, and contributing factors of domestic violence, emphasizing the need for comprehensive strategies to address this pervasive social issue.

Additionally, Advocate Abhilasha Mane also published a research paper, in the UGC Care List, that focuses on **"Violence Against Rural Women in Thane: Evidence from Rural Murbad, Maharashtra."** The study aims to analyze the correlation between

existing laws and violence against rural women in Thane, Maharashtra. It addresses various crimes prevalent in rural areas, including cybercrime, honor killings, child marriage, human trafficking, domestic abuse, and sexual assault.



Dr. Sameena Mir presented a paper titled **"Integrating Theoretical Perspectives with Blockchain Technology Analysis in Higher Education"** at the International Conference on Exploring Media, Law & AI in the Post-Truth Era: An Evolving Ecosystem. The event was organized by SOLH & SOL, Woxsen University, Hyderabad, India, in collaboration with Ahr am Canadian University, Egypt & University of Sinop, Turkey.

Additionally, Dr. Sameena Mir participated in the 4th International Conference on Recent Trends in

Multidisciplinary Research, hosted by Eudoxia University, New Castle, USA, and Eudoxia Research Centre, India.



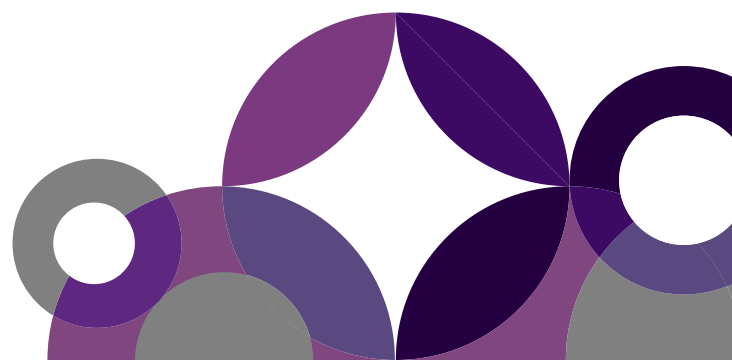
Prof. Swati Raja took part in a National Level Online Lecture for Faculty titled **"Exploring Literary Dimensions of Gender Studies."** The event was hosted by Progrezz Academic Training and Research Institute in Tirupur, Tamil Nadu. Exploring gender through literature provides insights into power dynamics, societal norms, and identity constructs.



Dr Sunny Thomas, Awarded Two UK Patents for Innovative Designs

Dr Sunny Thomas published a paper titled "The impact of banking organization's initiatives aligned with economic, environmental, and social Sustainable Development Goals (SDG's) on the behavior of their customers" in the "Journal of Informatics and Research, ISSN: 1526-4726, Volume 2, Issue 3. The paper highlights numerous economic, environmental, and social difficulties that are linked to the banking sector whether directly or indirectly. Despite being a long-held opinion, this became strongly clear following the 2008 financial crisis, during which the sector was heavily held accountable for both economic and societal difficulties. He has also been awarded two patents by the Intellectual Property Office, United

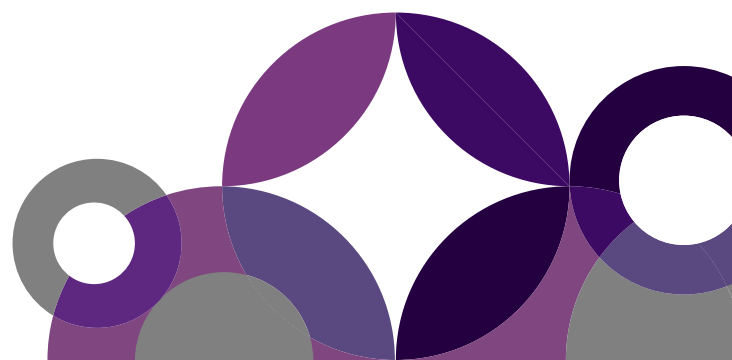
Kingdom. The patents include a computing device for economic modeling and forecasting based on AI for precise predictions and an AI-powered point-of-sale terminal.



Global Collaborations

School of Hotel Management Forges Career Partnerships with Fastrack Education and EuGateway Pvt Ltd

On April 15, 2024, the School of Hotel Management and Fastrack Education Pvt Ltd in Mumbai signed an MOU aimed at providing comprehensive career guidance and support to students, fostering a platform for them to explore lucrative opportunities. Additionally, yet another MOU was signed with EuGateway Pvt Ltd, promising to assist young graduates by providing support in consulting, mentoring, and applications with essential skills, thus providing a platform for youth to explore lucrative career opportunities.



Students Corner

In Honor of Earth Day: Poster Making Contest Promotes Environmental Awareness

To commemorate Earth Day on April 22, 2024, the Student Activities Committee (SAC) at the School of Engineering orchestrated an enthralling poster-making competition. The event aimed to advocate for environmental conservation and sustainability, inviting participants to exhibit their creativity and dedication to safeguarding the planet through visually striking posters. Esteemed judges Dr. Manavi Gilotra and Dr. Nikhil Mane lent their expertise to evaluate the entries, identifying the most impactful posters that effectively conveyed messages of environmental

stewardship. This competition provided a platform for students to showcase their commitment to Earth's protection and inspired the school community to embrace a greener, more sustainable future.



Field Visit to Snehalaya Institute for Handicapped

The School of Liberal Arts organized a field visit to the **Snehalaya Institute for Handicapped**, led by Professor Eden Lobo.

On Thursday, 18th April 2024, students had the opportunity to immerse themselves in the inspiring work carried out by Snehalaya. Through advocacy, awareness, and inclusion initiatives, Snehalaya empowered individuals with disabilities, offering tailored education, vocational training, and lifelong learning opportunities.



Donation Drive by Students of SOLA

The School of Liberal Arts conducted a donation drive for underprivileged students and young girls in schools starting from March 27, 2024. The aim was to collect stationery items. Students and faculty members were urged to contribute whatever they could. The response was overwhelming, with the School of Liberal Arts receiving a substantial amount of stationery items and sanitary napkins. Which were distributed to various NGO's.



Farewell Celebration: AAGHAZ 2024

The Cultural Committee of D.Y. Patil School of Architecture organized "**AAGHAZ 2024,**" a farewell ceremony for Studio 19 & ENS 22 Students on April 12, 2024. The event included joyful celebrations with dinner and a DJ. Fourth-year students managed arrangements, while third-year and first-year students crafted decorations and invitations.

Students participated enthusiastically in performances, providing closure and goodbyes. Highlights included fifth-year students reminiscing and celebrating their time together, and Prof R T Golgire, Dean of SOA, expressed words of encouragement on resilience and adaptability.



Entrepreneurship and Innovation

65 students attended a workshop organized by the School of Management on Innovation and Funding, focusing on Opportunities for Funding. On April 16th, an Idea Presentation competition was held, with 30 students participating. Two

winning teams were selected, and they will undergo incubation for pre-innovation to POC/Proto level conversion. This was an initiative of the Entrepreneurship and Innovation Centre of ADYPU under Dean Sanjay Nibandhe.

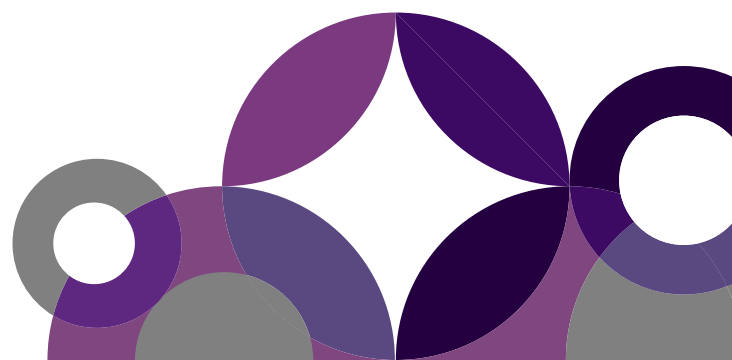


Community Service (NSS)

Empowering Volunteerism: SAC and NSS Host Inspiring NGO Visit and STEM Activity

In a collaborative effort, the Student Activities Committee (SAC) and the National Service Scheme (NSS) orchestrated a compelling NGO visit on March 28, 2024, intertwined with an interactive STEM activity. Facilitated by dedicated committee members, students embarked on a purposeful excursion to grasp the pivotal role NGOs play in addressing societal challenges.

Following the visit, participants engaged in a hands-on STEM endeavor crafted to serve the NGO's mission. From devising innovative solutions to environmental issues to crafting educational resources for marginalized communities, the activity sparked creativity and fostered a sense of civic duty. SAC's initiative not only enriched academic experiences but also cultivated a culture of empathy and social responsibility among students.



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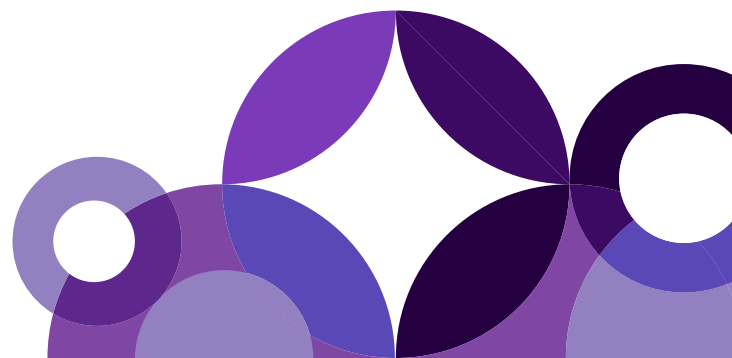
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