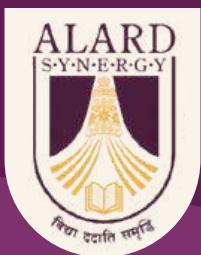


AURA

Alard University Review & Achievements



Alard University Pune
Volume : May 2026
Legacy of Education Since 1999



Aura

AURA – Alard University Review & Achievements

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Our Patrons

From Chancellor's desk



"AURA – Alard University Review & Achievements" is a newsletter highlighting the intellectual and creative accomplishments of students and faculty at ALARD University Pune. The university aims to foster academic excellence and innovation, encouraging contributions beyond the classroom. Gratitude is expressed to the editorial team and contributors, with hopes for AURA to be a prominent voice of knowledge and inspiration.

From Vice Chancellor's desk



AURA – Alard University Review & Achievements." This publication showcases writing skills in various technical research fields. Our students and faculty consistently excel beyond academics, with the University fostering research, innovation, and entrepreneurship. Faculty dedication is commendable. Congratulations to the contributors and editorial board for their efforts, and best wishes to all for continued success in their future endeavors.

From Executive Director's desk



I am excited about ALARD University's launch of "AURA – Alard University Review & Achievements," showcasing the academic excellence, creativity, and research focus of our students and faculty. The university promotes a culture of research and innovation, encouraging learners to think beyond traditional education. I commend the faculty for their dedication to mentoring students and congratulate the contributors and editorial board for their efforts. Best wishes to all for future success and impactful achievements.

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STUDENT SECTION



ALARD NEXTGEN FOUNDERS 2026 IGNITING ENTREPRENEURIAL EXCELLENCE & INNOVATION

The Alard School of Business Management, functioning under the esteemed aegis of Alard University, Pune, successfully organized “Alard NextGen Founders 2026” on 27th April 2026. This dynamic Startup Pitch and Mentoring Program was conducted by the Research and Development Cell in collaboration with the Institution's Innovation Council (IIC) and the Internal Quality Assurance Cell (IQAC).



The event aimed to develop entrepreneurial skills and innovative thinking in line with Sustainable Development Goals, serving as a transformative platform for student entrepreneurs. Participants presented their startup ideas to a panel of mentors, fostering creativity, strategic insight, and problem-solving in a competitive environment. The occasion was graced by distinguished guests Mr. Sameer Khan, Ms. Pashmina Doshi, and Ms. Manisha Tapasvi, whose insightful deliberations on entrepreneurship, innovation, and the evolving startup ecosystem provided invaluable guidance. Their perspectives inspired students to transcend conventional career paths and embrace entrepreneurial challenges with confidence and vision.



This initiative reflects Alard University's unwavering commitment to fostering innovation, leadership, and experiential learning, effectively bridging the gap between academic knowledge and industry application and empowering students to emerge as visionary leaders and changemakers.

Alard NextGen Founders 2026 concluded as a resounding success, inspiring participants to transform ideas into impactful ventures and actively contribute to the entrepreneurial ecosystem.

GUEST LECTURE AT CWPRS : ADVANCING PRACTICAL INSIGHTS IN WATER RESOURCES ENGINEERING

A guest lecture on Fluid Mechanics, Hydrology, and Irrigation Engineering was successfully conducted at the Central Water and Power Research Station (CWPRS) on 25th April 2026. The session was delivered by Dr. Nikhil Patil, a distinguished expert in Water Resources Engineering, who imparted valuable insights into the practical and research-oriented dimensions of these core civil engineering disciplines.

Students from the Civil Engineering Department of Alard University actively participated in the session, demonstrating enthusiasm and intellectual curiosity. Their engagement and interaction with the speaker reflected a keen interest in understanding the real-world applications of fluid mechanics, hydrology, and irrigation engineering.

Patil began the lecture by explaining fluid mechanics principles and their applications in hydraulic structures like dams and pipelines. He then transitioned to hydrology, covering rainfall analysis, watershed management, and flood estimation, highlighting their importance for sustainable water resource planning.



The discourse on irrigation engineering highlighted modern irrigation techniques, efficient water distribution systems, and optimization strategies. Dr. Patil also addressed pressing challenges such as water scarcity, climate variability, and the necessity for sustainable irrigation practices in India.

A notable aspect of the session was the exposure to CWPRS's state-of-the-art research facilities and experimental models, which provided students with a practical perspective of theoretical concepts. The lecture concluded with an interactive question-and-answer session, fostering active participation and conceptual clarity among students.

The session was an enriching academic experience that connected theoretical knowledge with practical implementation, highlighting the importance of innovation in water resources engineering.

FIELD PROJECT ON HANDS-ON PRACTICE OF DRILLING & WELDING MACHINES ENHANCING TECHNICAL COMPETENCE THROUGH EXPERIENTIAL LEARNING

The Mechanical Engineering Department successfully organized a Field Project on Hands-on Practice of Drilling & Welding Machines on 6th April 2026, aimed at enhancing students' practical engineering knowledge and technical proficiency. The activity was conducted under the expert guidance of Prof. Shweta Gunjal and Mr. S. D. Kendre, with the participation of 5 students.

The primary objective of the project was to provide practical exposure to essential workshop machinery used in manufacturing and fabrication processes. During the session, students gained a comprehensive understanding of the construction, working principles, and safe handling procedures of drilling and welding machines.



Faculty members conducted live demonstrations of machine operations, guiding students through hands-on activities like drilling, workshop tool use, and basic welding techniques. Participants also learned measurement and inspection methods essential for accuracy and quality. This activity effectively connected theoretical learning with practical industrial application, boosting students' confidence, technical skills, and safety awareness while operating machinery.

Such initiatives demonstrate the department's dedication to experiential learning and skill development, preparing students for future industrial challenges and professional success.

PROJECT EXHIBITION 2026 FOSTERING INNOVATION, TECHNICAL CREATIVITY & EXPERIENTIAL LEARNING

The Department of Electronics & Telecommunication at Alard Engineering College successfully organized a Project Exhibition to promote innovation and practical learning among students. The event allowed students to showcase their technical skills, project development, and problem-solving abilities through various working models and innovative concepts.



Students presented projects based on emerging and cutting-edge technologies, including Embedded Systems, Internet of Things (IoT), Robotics, Communication Systems, Automation, and Smart Applications. The exhibition witnessed enthusiastic participation from students, faculty members, and visitors, fostering an inspiring and intellectually stimulating academic environment.

The projects were evaluated by faculty members based on parameters such as originality, technical proficiency, presentation skills, and real-world applicability. This comprehensive evaluation process enabled students to refine their concepts and gain constructive feedback, thereby enhancing their overall learning experience.

The exhibition significantly contributed to enhancing students' confidence, teamwork, and practical understanding of engineering principles through real-time implementation. It also reinforced the importance of innovation-driven and application-oriented learning in modern engineering education.

The Project Exhibition 2026 was a great success, showcasing the department's dedication to research, innovation, and experiential learning, while preparing students for the evolving technological landscape.



AI SIMPLIFIED: YOUR FUTURE STARTS HERE CULTIVATING TECHNOLOGICAL AWARENESS & FUTURE-READY INTELLECT

The event “AI Simplified: Your Future Starts Here” took place on April 16, 2026, with 50 school students participating. Its aim was to raise awareness about the importance of Artificial Intelligence (AI) in today's digital age. The initiative introduced basic AI concepts and highlighted its transformative impact across various sectors and daily life. The session offered an engaging platform for students to explore emerging technologies and their real-world applications.

Through this enriching program, participants gained substantial exposure to cutting-edge technological advancements, thereby enhancing their cognitive curiosity, analytical thinking, and awareness of future career trajectories in the domain of Artificial Intelligence and allied fields.



The event culminated as a highly impactful and enlightening experience, inspiring students to embrace innovation, cultivate a forward-thinking mindset, and proactively prepare for the rapidly evolving technological landscape.



SAEINDIA STUDENT CONVENTION 2025-26 ADVANCING MOBILITY ENGINEERING & INNOVATION EXCELLENCE

The SAEINDIA Student Convention 2025-26 was conducted, serving as a prestigious national platform dedicated to promoting excellence and innovation in mobility engineering.

The convention provided an enriching and intellectually stimulating environment, enabling participants to engage with emerging trends, technological advancements, and innovative practices in the field of mobility and automotive engineering. It fostered a spirit of collaboration, research orientation, and technical ingenuity among attendees.

A key highlight of the event was the valuable opportunity to interact with distinguished industry experts, facilitating the exchange of practical insights, professional experiences, and contemporary industry perspectives. Such interactions significantly contributed to enhancing domain knowledge and professional competence.

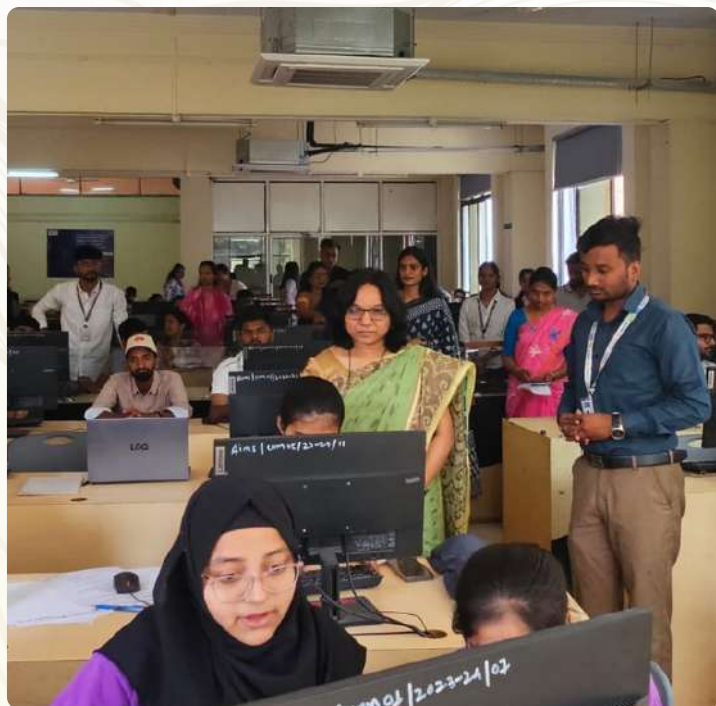


The event witnessed the participation of Dr. Manisha Bhende, Dr. Sonali Patil, and Mr. Vijay Patil, whose involvement added academic and professional value to the convention.

Overall, the convention proved to be a highly impactful experience, reinforcing the importance of industry-academia collaboration and encouraging participants to excel in the evolving landscape of mobility engineering.



IPR Day: Copyright Registration Drive



On April 24, 2026, ALARD University Pune hosted a “Copyright Registration Drive” for IPR Day, attracting 353 participants. The initiative aimed to promote innovation and raise awareness about intellectual property protection among the academic community. It included workshops led by industry experts on the importance of copyright registration and provided hands-on assistance for navigating the registration process.

The event also facilitated discussions on current intellectual property challenges and opportunities in the digital age, enhancing attendees' understanding of legal protections for their innovations. This drive highlighted ALARD University's commitment to fostering creativity and originality, positioning it as a leader in intellectual property education and equipping participants with tools to support their contributions in their fields.

Through this activity, the institution achieved a notable strengthening of its intellectual property ecosystem, promoting structured processes for safeguarding creativity and innovation. Participants gained clarity on the procedures and importance of copyright registration, thereby enhancing their preparedness to protect their scholarly and creative contributions.



The event emerged as a strategically impactful endeavor, reinforcing the institution's commitment to innovation, legal awareness, and academic excellence. Attendees left with a renewed sense of confidence in their ability to protect their intellectual creations, equipped with practical knowledge and resources to navigate the complexities of intellectual property rights. The drive not only empowered individuals but also strengthened the university's reputation as a hub for nurturing creative minds and safeguarding intellectual assets. The positive feedback from participants underscored the significance of such initiatives in fostering a culture of respect and appreciation for intellectual contributions across various disciplines.

AETHERON 2026

A THREE-DAY CELEBRATION OF INNOVATION & TECHNOLOGICAL EXCELLENCE

Aetheron 2026 at Alard University, Pune was successfully conducted as a vibrant three-day technical fest, bringing together innovation, creativity, and collaboration.

The event commenced with a grand inauguration by Hon'ble Vice Chancellor Dr. Sohan Chitlange, whose inspiring address encouraged students to innovate and think beyond boundaries, followed by valuable insights from Dean Dr. Manisha Bhende, emphasizing teamwork, creativity, and problem-solving.

The fest featured engaging activities such as Hackathon, Treasure Hunt, and Reel Making, where students showcased their technical expertise, strategic thinking, and creative abilities. The Hackathon transformed ideas into practical solutions, while other activities fostered team spirit and analytical skills.

The event concluded with a grand finale including an External Hackathon and Prize Distribution Ceremony, graced by industry experts Mr. Ritesh Nehete and Mr. Rahul Temkar, celebrating innovation and student achievements.

Overall, Aetheron 2026 was a resounding success, providing a dynamic platform for experiential learning, innovation, and technological excellence. Participants left the event with newfound inspiration and a deeper appreciation for the power of collaboration and creativity. The festival not only highlighted the technological prowess of the students but also fostered a sense of community and shared vision for the future. The success of Aetheron 2026 set a benchmark for future events, promising even greater opportunities for innovation and growth.



BLOOD DONATION & HEALTH AWARENESS CAMP 2026 PROMOTING HUMANITARIAN VALUES & HEALTH AWARENESS

On the special occasion of World Health Day, Alard University, Pune successfully organized the Lions International Blood Donation Camp & Health Checkup on 07th April 2026, with the noble objective of promoting social responsibility, health consciousness, and the spirit of humanitarian service.

The initiative was organized in collaboration with LCP Phoenix, LCP Pimple Saudagar Active, and LCP Bhosari, reflecting a collective commitment towards community welfare and public health awareness. The event witnessed enthusiastic participation from students, faculty members, and staff, who actively contributed towards this meaningful cause.

The camp included blood donation activities along with comprehensive health checkup facilities, providing participants with an opportunity to contribute towards saving lives while also prioritizing preventive healthcare and wellness awareness.

The program served as a significant platform to encourage voluntary blood donation, emphasizing the importance of compassion, social contribution, and medical support for society. Simultaneously, the health checkup initiative helped create awareness regarding personal health management and early preventive care. The event concluded successfully, reinforcing Alard University's commitment towards social outreach, community engagement, and holistic well-being, while inspiring participants to become responsible and compassionate citizens.



EXPERT SESSION ON START-UP LEGAL & ETHICAL STEPS ENHANCING ENTREPRENEURIAL LEGAL AWARENESS AMONG LAW STUDENTS

The ALARD School of Law successfully organized an Expert Session on “Start-up Legal and Ethical Steps” for LL.B. students on 30th April 2026 at the Moot Court Hall.

The session was conducted by Mr. Kumar Shashwat, a professional with extensive expertise in corporate finance, accounting, taxation, and advisory services. Through his practical experience and industry insights, he provided students with a comprehensive understanding of the legal and ethical framework involved in establishing and managing start-up ventures.

The lecture focused on essential aspects such as legal compliance for start-ups, ethical business practices, financial regulations, and real-world challenges faced by emerging entrepreneurs. The speaker explained complex concepts in a simple, practical, and interactive manner, enabling students to easily grasp the subject matter and relate it to contemporary business scenarios.

The session witnessed enthusiastic participation from students, who actively engaged in discussions and gained valuable practical exposure beyond traditional classroom learning. It significantly contributed towards enhancing students’ understanding of the intersection between law, ethics, and entrepreneurship.

Overall, the expert lecture proved to be a highly informative and enriching academic experience, reflecting the institution’s commitment to providing practical, industry-oriented learning opportunities for aspiring legal professionals.



Attendees valued the exploration of case studies that emphasized ethical decision-making in business. Mr. Shashwat highlighted the importance of law in protecting innovation and intellectual property, prompting students to reflect on their future legal roles. The session also stressed the need to stay informed about legal developments and technology, essential for modern legal practitioners. Overall, the event enhanced students' academic experience and prepared them to handle legal challenges in entrepreneurship. It showcased ALARD School of Law's commitment to merging theory with practice, fostering ethically aware and skilled future legal professionals.



Successful Completion of International Faculty Guest Lecture on “Mechanisms of Enzyme Catalysis”

The Alard School of Pharmacy, Alard University, Pune, successfully organized an enriching International Faculty Guest Lecture on the highly significant topic, “Mechanisms of Enzyme Catalysis.”

The distinguished session was delivered by Dr. Stephen Kerr, an eminent international academican and Professor of Medicinal Chemistry, currently serving as the Associate Provost for Academic International Affairs at Massachusetts College of Pharmacy and Health Sciences (MCPHS), USA.

The lecture provided comprehensive insights into the fundamental mechanisms of enzyme catalysis and highlighted its vital applications in pharmaceutical sciences and drug development. Through his profound expertise and engaging delivery, Dr. Kerr elucidated complex biochemical concepts with remarkable clarity, making the session both intellectually stimulating and academically enriching.



A notable highlight of the interaction was the guidance offered on higher education opportunities abroad. Dr. Kerr elaborated on eligibility criteria, academic pathways, research opportunities, and global career prospects in the field of pharmacy, thereby broadening students’ perspectives towards international education and professional advancement.

The session witnessed enthusiastic participation from students and faculty members, fostering an environment of interactive learning and global academic exposure. Participants gained valuable knowledge regarding contemporary advancements in medicinal chemistry and international academic practices.

The institution extends its heartfelt gratitude to Dr. Stephen Kerr for delivering an exceptionally engaging, insightful, and inspirational session that significantly enriched the academic and professional outlook of aspiring pharmacy professionals.



SEMINAR AND WORKSHOP



E-WASTE AWARENESS PROGRAM PROMOTING SUSTAINABLE PRACTICES & ENVIRONMENTAL RESPONSIBILITY

The E-Waste Awareness program was successfully conducted on 21st April 2026, with the active participation of 132 students, with the objective of highlighting the urgent need for responsible management of electronic waste and the adoption of sustainable practices in everyday life.

The session was designed to sensitize students to the environmental and health hazards associated with improper e-waste disposal, while emphasizing the importance of sustainability, recycling, and responsible consumption of electronic devices. It provided an informative and thought-provoking platform for students to understand the broader implications of digital consumption.



Through this initiative, participants gained a comprehensive understanding of e-waste management, including the significance of recycling, reducing electronic consumption, and adopting eco-friendly practices. The program also encouraged students to develop environmentally conscious behavior and contribute towards sustainable development.

The event concluded as a highly impactful and awareness-driven initiative, reinforcing the importance of environmental stewardship and responsible technological usage in today's rapidly evolving digital world.



Faculty Development Programme on Technology Commercialization & Transfer Practices

Alard University, Pune, through the Alard School of Business Management (ASBM) in collaboration with the R&D Department, successfully organized a highly informative Faculty Development Programme (FDP) on “Technology Commercialization, Licensing & Transfer Practices and Strategy” on 17th April 2026.

The programme was conducted at the Seminar Hall, ASBM, and witnessed enthusiastic participation from faculty members across various departments. The primary objective of the FDP was to strengthen awareness and understanding of transforming innovative ideas into commercially viable products and services within the evolving innovation ecosystem.

The session focused extensively on critical domains such as Technology Commercialization, Licensing Practices, Intellectual Property Management, and Strategic Technology Transfer. The resource person provided valuable insights into bridging the gap between academic research and industrial application through structured commercialization methodologies and effective transfer strategies.

Participants focused on technology transfer applications like licensing and commercialization for innovation-driven growth. The FDP highlighted the importance of industry-academia collaboration, encouraging faculty to engage in research, innovation, and entrepreneurship.



A major highlight of the programme was the interactive discussion session, where participants addressed their queries and explored opportunities for implementing commercialization and transfer practices within academic and research environments. Overall, the FDP emerged as a knowledge-enriching and professionally empowering initiative, reinforcing the institution's commitment towards promoting innovation, research excellence, and industry-oriented academic practices.

Management Development Program on POSH Act Successfully Conducted

The Alard School of Business Management (ASBM), Alard University, Pune, successfully organized a highly impactful Management Development Program (MDP) on the Prevention of Sexual Harassment (POSH) Act on 11th April 2026 at the Seminar Hall, ASBM.

The insightful session was conducted by Ms. Elsie Sharma, a distinguished expert in workplace ethics and POSH compliance. The primary objective of the programme was to create awareness among staff members regarding workplace safety, legal provisions, rights, and responsibilities under the POSH Act.

During the session, Ms. Sharma delivered an engaging and thought-provoking discourse, emphasizing the critical importance of fostering a respectful, safe, and inclusive work environment. She elaborated extensively on key aspects including preventive measures, complaint redressal mechanisms, legal procedures, and the organizational responsibilities involved in ensuring a harassment-free workplace.

The attendees were encouraged to actively participate in role-playing scenarios and group discussions, which provided a practical understanding of handling sensitive situations effectively.



The programme witnessed active and enthusiastic participation from staff members, who highly appreciated the practical insights, interactive discussions, and real-life case studies shared during the session. The interactive nature of the programme enabled participants to gain a deeper understanding of workplace ethics and compliance frameworks.



Such initiatives strongly reflect ASBM's unwavering commitment towards cultivating a secure, inclusive, and ethically responsible institutional culture, aligned with both organizational values and statutory regulations. Overall, the programme emerged as a significant awareness-building initiative, reinforcing the importance of professionalism, dignity, and mutual respect within the workplace ecosystem.

Finance Quiz Competition – “Think You Know Finance? Prove It!” Successfully Conducted

The Alard School of Business Management at Alard University, Pune, hosted a Finance Quiz Competition titled “Think You Know Finance? Prove It!” on April 6, 2026, for BBA and BCA students. Guided by Dr. Sneha Vadavi, the event aimed to enhance financial awareness and analytical thinking through interactive learning. The quiz covered finance, banking, economics, investment concepts, and current financial affairs, with students demonstrating knowledge, confidence, teamwork, and problem-solving skills in various competitive rounds.



The competition created a dynamic learning environment for participants to test their knowledge and understand emerging financial trends in banking and business. Its interactive format made learning engaging and enjoyable, encouraging participants to dive deeper into complex topics with enthusiasm. The session was not only informative and enriching but also provided practical insights that could be applied in real-world scenarios, thereby enhancing students' conceptual understanding and professional awareness. Moreover, such initiatives strengthen subject expertise and boost confidence, fostering active academic participation and collaboration among peers. The event concluded successfully with enthusiastic student involvement and faculty appreciation, showcasing the institution's commitment to experiential and skill-oriented learning. This commitment is further reflected in the institution's continuous efforts to adapt and introduce innovative educational programs that cater to the evolving needs of the industry, thus preparing students for future challenges and opportunities.

Guest Session on Dot Net Technology Successfully Conducted



The Alard School of Business Management at Alard University, Pune, held a Guest Session on Dot Net Technology on April 2, 2026, for MBA, MCA, BBA, and BCA students. The session aimed to enhance technical skills and provide industry exposure to modern software development. Key topics included Dot Net fundamentals, web application development, programming concepts, and career opportunities in IT. Students learned about the increasing demand for skilled Dot Net professionals and the significance of mastering technical practices in the digital age.

The resource person shared valuable industry insights, real-time case studies, and practical guidance, enabling students to understand the significant role of Dot Net technology in the development of innovative digital solutions and enterprise-level applications. The highly interactive nature of the session encouraged students to actively participate, raise queries, and gain conceptual clarity regarding technical domains and professional pathways in the software industry.

The programme witnessed enthusiastic student participation, and attendees greatly benefited from the expert mentorship, practical exposure, and career-oriented guidance provided during the session. The event proved to be both informative and academically enriching, significantly contributing towards strengthening students' technical understanding and industry readiness.



Guest sessions are vital for bridging the academia-industry gap, promoting skill development, innovation, and professional growth among students. They allow students to engage with industry experts, gain insights into trends, and see practical applications of their studies. This interaction prepares students for the tech industry's complexities and emphasizes continuous learning, motivating them to stay updated with advancements. Ultimately, participants leave inspired and with a clearer vision for their careers, ready to tackle challenges and seize opportunities in technology.

PCB Design & Embedded Systems Workshop Successfully Conducted

The Department of Electronics & Telecommunication (E&TC) successfully organized a workshop on “PCB Design & Embedded Systems” on 7th April 2026 at 09:30 AM. The session was conducted by Prof. Nikhil S. Dongardive, an expert in the field of embedded systems and PCB design.

The workshop was organized with the objective of providing students with practical knowledge of Printed Circuit Board (PCB) design and embedded system applications while bridging the gap between theoretical concepts and real-world technological implementation.



During the session, participants gained valuable insights into the fundamentals of PCB design and layout techniques, embedded systems and their industrial applications, along with industry-relevant tools and practices. The speaker explained the concepts in a clear, interactive, and engaging manner, making complex technical topics easier for students to understand.

The hands-on learning approach encouraged active participation and helped students enhance their technical understanding, problem-solving abilities, and practical skills. The workshop received an enthusiastic response from students and faculty members, who greatly benefited from the practical exposure and industry-oriented guidance shared during the programme.



ALARD NEXUS 2026 FOSTERING INNOVATION THROUGH INTERDISCIPLINARY RESEARCH

Alard University, Pune successfully organized ALARD NEXUS – Annual Multidisciplinary Symposium 2026, a prestigious interdisciplinary research initiative aimed at promoting innovation, academic collaboration, and intellectual advancement across diverse domains.

The symposium was jointly organized by the Alard School of Engineering & Technology and the Alard School of Pharmacy, bringing together academicians, researchers, scholars, and students on a unified platform to exchange ideas and explore emerging trends in research, science, and technology.

The event was graced by the esteemed Chief Guest Dr. Pramod Patil, Dean – Faculty of Science & Technology at Savitribai Phule Pune University and Director of Nutan Maharashtra Institute of Engineering and Technology, Talegaon. He delivered an insightful address emphasizing the significance of innovation-driven research and interdisciplinary collaboration in addressing contemporary global challenges.



A major highlight of the symposium was the formal inauguration of the Abstract Book of ALARD NEXUS 2026 by the Chief Guest in the presence of Dr. Sohan Chitlange, Vice Chancellor of Alard University, who inspired participants to engage in meaningful research contributing towards societal progress and technological transformation.

The symposium emerged as a remarkable academic platform, reinforcing the university's commitment to cultivating a vibrant research culture, encouraging interdisciplinary learning, and inspiring future innovators and researchers.

Participants were treated to a diverse range of presentations and workshops that showcased cutting-edge research and innovative projects.

These sessions provided invaluable insights into areas such as renewable energy, biotechnology, artificial intelligence, and sustainable development.

The event also featured a panel discussion with leading experts from various fields who shared their experiences and perspectives on overcoming challenges in interdisciplinary research. This interactive session sparked lively debates and fostered a spirit of collaboration among attendees, highlighting the importance of integrating knowledge across disciplines to solve complex global issues.

AMD x S4DS AI Workshop Successfully Conducted at Alard School of Engineering & Technology

The Alard School of Engineering & Technology, in collaboration with AMD and Impacteers, successfully organized the AMD x S4DS AI Workshop, offering students an excellent opportunity to explore advancements in Artificial Intelligence and modern GPU infrastructure.

The workshop focused on the topic, “Setting Up Inference Servers and Building AI Agent Applications,” enabling participants to gain practical exposure to real-world AI development and deployment practices. The session aimed to bridge the gap between theoretical concepts and industry-oriented implementation in the field of Artificial Intelligence.



The workshop was conducted by Mr. Alan Kuriakose Konikara, Senior Program Manager – West Zone, Impacteers, who guided students through the complete development process using practical demonstrations, real-time examples, and interactive discussions.

His expert guidance helped participants gain a better understanding of AI technologies, inference servers, and deployment methodologies. During the session, students received hands-on experience with AMD MI300X GPU cloud infrastructure, real-world AI application development, and AI deployment practices.



The interactive and practical approach of the workshop encouraged active participation and enhanced students' technical understanding and problem-solving abilities. Students enthusiastically participated throughout the programme and successfully completed the hands-on modules, making the session highly engaging and insightful. The workshop proved to be informative, industry-oriented, and beneficial in strengthening students' practical knowledge and technical competencies.

Overall, the event emerged as a successful and enriching initiative, reflecting the institution's commitment towards promoting innovation, experiential learning, and future-ready technological skills among students.



Industry-Oriented Expert Lecture on VLSI Design Successfully Conducted

The Alard School of Engineering successfully organized an intellectually enriching and industry-oriented Guest Lecture on VLSI Design, aimed at broadening students' technical acumen and familiarizing them with contemporary advancements in the rapidly evolving semiconductor industry.

The session was delivered by Mr. Shrikant R. Atkarne, a distinguished industry expert, who provided profound insights into the principles, applications, and emerging innovations in VLSI (Very Large Scale Integration) Design. The lecture offered students valuable exposure to real-world industrial practices, cutting-edge technological developments, and the dynamic landscape of semiconductor engineering.

Throughout the session, participants gained an in-depth understanding of modern VLSI applications, prevailing industry trends, and promising career prospects within the semiconductor sector. The speaker emphasized the growing significance of technical proficiency, innovation-driven thinking, and industry readiness in meeting the demands of today's technologically advanced ecosystem.



The lecture served as a significant platform for bridging the divide between academic learning and industrial expectations, enabling students to strengthen their conceptual understanding while gaining practical perspectives on industry requirements and professional opportunities.

The interactive nature of the session encouraged enthusiastic student participation and intellectual engagement. Participants greatly benefited from the expert guidance, practical insights, and experiential knowledge shared during the programme, making the session both academically stimulating and professionally enlightening.

Overall, the guest lecture emerged as a highly impactful and knowledge-enriching initiative, reflecting the institution's unwavering commitment towards fostering industry-academia collaboration, experiential learning, technological excellence, and future-ready competencies among aspiring engineering professionals.



Workshop on Corporate Entrepreneurship and Finance Planning Successfully Conducted

The Alard School of Health and Biosciences successfully organized a workshop on “Corporate Entrepreneurship and Finance Planning” on 20th April 2026 at Class No. 008, Block D. The session was conducted by Miss Akanksha Shinde, who shared valuable insights into corporate innovation, business management, and financial planning.

The workshop aimed to enhance students’ understanding of corporate entrepreneurship, financial decision-making, budgeting, investment strategies, and risk management. The speaker emphasized the importance of innovation, strategic thinking, and financial literacy in achieving professional and organizational success.



Through interactive discussions and real-world examples, students gained practical exposure to modern business practices and actively participated throughout the session. The workshop proved to be highly informative and beneficial in strengthening students’ managerial awareness, analytical thinking, and professional competencies. Students appreciated the opportunity to engage directly with industry concepts and found the hands-on approach particularly effective in solidifying their understanding. Feedback from participants highlighted the session's relevance to their academic and career goals, underscoring the importance of such initiatives in bridging the gap between theoretical knowledge and practical application. The workshop concluded with a lively Q&A session, where Miss Shinde addressed various queries from the attendees, providing further clarity and guidance on navigating the complexities of corporate entrepreneurship and finance planning. The success of this event has set a precedent for future workshops, promising continued enrichment for students at the Alard School of Health and Biosciences.



Overall, the programme emerged as an enriching initiative, reflecting Alard University's commitment towards promoting industry-oriented learning and professional development among students.

Workshop on “Understanding MRI & Safety in Radiology – A Practical Approach” Successfully Conducted

The Department of Medical Imaging Technology, Alard School of Health and Biosciences, successfully organized a workshop on “Understanding MRI & Safety in Radiology – A Practical Approach” on 10th April 2026 at Block D, Classroom No. 008.

The session was conducted by Mr. Sandeep K. Chaudhary, Lead Application Specialist (R&D), Philips, who shared valuable insights into the principles, applications, and safety protocols of Magnetic Resonance Imaging (MRI) in modern healthcare practices.



The visit significantly connected theoretical knowledge with practical application, allowing students to gain hands-on experience in laboratory techniques and fostering their interest in scientific research. A workshop focused on MRI technology, diagnostic imaging, and radiology safety, where complex concepts were presented interactively. Key topics included MRI principles, diagnostic significance, and safety protocols, enhancing students' exposure to contemporary radiology practices. Organized by Prof. Ashish Yadav and supported by Dr. Namita Raytekar, the session enriched students' practical knowledge and professional preparedness in medical imaging. Gratitude was extended to the Agharkar Research Institute team, particularly Dr. Disha Senjaliya and Dr. Raytekar for their contributions.



Workshop on “Ideation to Commercialization” Successfully Conducted

The Alard School of Health & Biosciences successfully organized a specialized workshop on “Ideation to Commercialization” on 20th April 2026 at Class No. 008, Block D. The session was conducted by Mr. Sagar Patil, who provided valuable insights into transforming innovative ideas into commercially viable ventures.

The workshop was designed to bridge the gap between academic knowledge and real-world business implementation, encouraging students to develop an entrepreneurial mindset and explore innovation-driven opportunities. The session focused on guiding participants through the complete journey from concept development to market commercialization.

During the workshop, students gained an understanding of crucial stages such as idea validation, research, prototyping, funding strategies, startup development, and market entry. Through real-world examples, case studies, interactive discussions, and a Q&A session, the speaker inspired students to think creatively and analyze market needs effectively.

The session proved to be highly informative and motivating, enabling students to develop greater clarity regarding entrepreneurship, commercialization strategies, strategic thinking, and startup opportunities. Participants also gained valuable perspectives on how their technical expertise in health sciences and medical laboratory technology can be transformed into impactful innovations and business ventures.



The workshop concluded with the felicitation of Mr. Sagar Patil by the faculty members of the Alard School of Health & Biosciences in recognition of his valuable contribution and insightful guidance. Overall, the programme emerged as an enriching initiative that inspired students to think beyond academics and explore professional and entrepreneurial pathways.

Bridging the Gap: Empowering Future-Ready B. Pharm Professionals

The Alard School of Pharmacy, Alard University, Pune, continues its unwavering commitment towards nurturing industry-ready pharmaceutical professionals through a focused and insightful Placement Preparation Session organized for B.Pharm students.

The session emphasized that placement readiness extends beyond securing employment, highlighting the importance of developing the right mindset, professional adaptability, communication skills, and industry-oriented competencies required to excel in today's rapidly evolving pharmaceutical sector.

Students were guided on essential aspects such as industry expectations, professional etiquette, communication skills, career preparedness, and the significance of smart work alongside consistent dedication. Their enthusiasm, confidence, and professionalism throughout the session reflected their strong potential to emerge as future leaders in the pharmaceutical industry.



The programme effectively bridged the gap between academic learning and practical industry requirements, equipping students with valuable insights into real-world corporate expectations and professional challenges.

Such initiatives reaffirm the institution's dedication towards fostering holistic professional development, career readiness, and innovation-driven learning, ensuring that students are well-prepared to contribute meaningfully to the future of healthcare and pharmaceutical advancements.

The session also featured interactive workshops and panel discussions with industry experts and alumni, providing students with firsthand accounts of career trajectories and success stories. This dynamic exchange of ideas and experiences allowed students to gain a deeper understanding of the diverse opportunities within the pharmaceutical field. Additionally, personalized mentorship sessions were offered, enabling students to seek guidance tailored to their individual career aspirations..



INDUSTRIAL VISIT



Exposure Visit to Bhau Institute at COEP Technological University, Pune

The Alard School of Engineering & Technology successfully organized an insightful Exposure Visit to Bhau Institute at COEP Technological University, Pune for students participating in the Ignited Innovators of India (I2I) initiative.

The visit provided students with valuable exposure to the dynamic ecosystem of innovation, entrepreneurship, startup incubation, and leadership development. During the interaction, participants explored various aspects of entrepreneurial practices, innovation-driven ecosystems, and technology-based problem-solving approaches.

Students gained practical insights into how innovative ideas are transformed into impactful ventures through structured mentorship, incubation support, and collaborative learning environments. The visit also highlighted the importance of creativity, critical thinking, and community-oriented innovation in addressing real-world challenges.

The exposure visit proved to be highly enriching and inspirational, motivating students to think beyond conventional academics and explore opportunities in entrepreneurship, innovation, and social impact creation. The initiative significantly contributed towards strengthening students' professional awareness, innovative mindset, and leadership capabilities.

Overall, the visit emerged as a meaningful learning experience, reaffirming the institution's commitment towards fostering innovation-driven education, experiential learning, and future-ready changemakers.



Educational Court Visit to Shivaji Nagar District Court

The ALARD School of Law successfully organized an educational Court Visit to Shivaji Nagar District Court for LL.B. students, accompanied by faculty members and the respected Dean.

The visit provided students with a valuable opportunity to witness actual court proceedings and real-time judicial practices, enabling them to gain practical exposure beyond classroom learning. The experience significantly enhanced students' understanding of the functioning of the legal system and courtroom procedures.



During the visit, Adv. Samyak Nahata guided the students and explained various practical aspects of court procedures, advocacy practices, and legal proceedings in a highly simplified and interactive manner. His insightful guidance helped students develop a clearer understanding of the professional responsibilities and practical dimensions of the legal profession.

The visit proved to be highly informative and academically enriching, effectively bridging the gap between theoretical legal education and real courtroom practice. Overall, the initiative strengthened students' practical knowledge, observational skills, and professional awareness within the judicial system.



PLACEMENT & MOU



Alard University Signs MoU with Bhasha Academy to Promote Global Language Proficiency

Alard University, Pune, through the CRTPO Department, successfully formalized a Memorandum of Understanding (MoU) with Bhasha Academy on 25th March 2026 at the Hon. VC Office, Alard University, Pune.

The prestigious occasion was graced by Mr. Deepak Page, Founder and Director of Bhasha Academy, and Ms. Preeti Gaitonde, Co-Founder and Director, whose presence added significance to this milestone collaboration.

The strategic partnership has been established with the objective of enhancing students' linguistic proficiency, global communication skills, and international career readiness. Through this collaboration, Alard University and Bhasha Academy will jointly offer co-branded certification programmes in globally recognized languages including German, French, Spanish, and Japanese.



The initiative will leverage Bhasha Academy's expert faculty and internationally aligned curriculum to provide high-quality multilingual training and standardized assessments. A major highlight of the collaboration is the development of a national network of standardized examination centers, enabling recognized language proficiency testing across India.

By integrating industry-relevant and globally validated certifications, the collaboration aims to bridge the gap between academic learning and international employment requirements, empowering students with the communication competencies essential for higher education and global career opportunities.

This long-term association reflects the shared commitment of both institutions towards promoting academic excellence, professional development, global exposure, and skill-oriented education on a national and international scale.

Alard University Signs MoU with GTT Foundation to Enhance Student Employability

Alard University, Pune, through the CRTPO Department, successfully formalized a Memorandum of Understanding (MoU) with the GTT Foundation (GTTF) on 29th April 2026 at the Hon. VC Office, Alard University, Pune.

The occasion was graced by distinguished dignitaries including Mr. Shreekant Kulkarni, Founder – STPL, Ms. Akshata Rajput, Center Head – GTT Foundation, and Mr. Abhishek Gaikwad, Placement Officer.

The strategic collaboration aims to bridge the gap between academic learning and industry requirements by enhancing students' employability through specialized skill development programmes, career guidance initiatives, industry-oriented training, and certification courses.



Under this partnership, Alard University will facilitate infrastructure support, student participation, and coordination activities, while GTT Foundation will provide professional training modules, assessments, and placement assistance through its industry network and client companies.

A significant highlight of the agreement is its focus on maintaining high-quality training standards, inclusive learning practices, and continuous academic engagement. The MoU also incorporates provisions for blended and online learning models, ensuring uninterrupted education and training during unforeseen circumstances or emergencies.

This collaboration reflects the institution's strong commitment towards fostering industry-academia integration, professional excellence, and career-oriented education, while creating structured pathways for students to transition successfully into the corporate world with industry-recognized skills and credentials.



ALARD UNIVERSITY SIGNS MOU WITH INDO DEUTSCH BRÜCKE LLP TO ENHANCE GLOBAL CAREER READINESS

Alard University, Pune, through the CRTPO Department, successfully formalized a Memorandum of Understanding (MoU) with Indo Deutsch Brücke LLP on 25th March 2026 at the Hon. VC Office, Alard University, Pune.

The prestigious occasion was graced by Mr. Deepak Page, Founder and Director, and Ms. Preeti Gaitonde, Co-Founder and Director, whose presence marked the commencement of a progressive academic collaboration focused on global skill development.

The strategic partnership aims to strengthen students' international career prospects through expert-led training in globally significant languages such as German, French, Spanish, and Japanese. The collaboration will provide students with access to co-branded certification programmes supported by internationally aligned curricula and standardized assessment frameworks.



A major highlight of the agreement is the establishment of a national network of standardized examination centers across schools and colleges in India, ensuring students receive industry-recognized and globally validated credentials. The initiative is designed to bridge the gap between academic learning and international employment requirements, empowering students with the linguistic proficiency and professional competencies essential for succeeding in global education and corporate environments.

This long-term collaboration reflects the shared vision of both institutions towards promoting academic excellence, professional growth, skill-oriented education, and global employability, thereby preparing students to compete effectively in the international job market.



Alard University Signs MoU with ICS Global to Foster Academic and Professional Excellence

Alard University, Pune, through the CRTPO Department, successfully formalized a Memorandum of Understanding (MoU) with ICS Global on 10th April 2026 at the Hon. VC Office, Alard University, Pune.

The occasion was graced by Dr. Arptia Kathane, Director – ICS Global, and Mr. Pankaj Kathane, Director – ICS Global, whose presence marked the beginning of a promising academic and professional collaboration.

The MoU establishes a strategic partnership focused on promoting education, research, innovation, and skill development through collaborative initiatives that benefit both students and faculty members. The agreement aims to facilitate joint programmes, workshops, training sessions, and knowledge exchange activities, thereby strengthening industry-academia integration.

The collaboration emphasizes ethical cooperation, professional growth, and institutional excellence while ensuring the protection of intellectual property rights, confidentiality, and institutional identity. Both organizations agreed to maintain their autonomy while working collectively towards shared academic and professional objectives.

The agreement also aligns with Indian statutory and regulatory frameworks, encouraging transparent communication, mutual respect, and collaborative problem-solving for future initiatives and developments.



This partnership reflects Alard University's continued commitment towards fostering industry-oriented learning, innovation-driven education, research collaboration, and holistic professional development, creating meaningful opportunities for students to excel in an increasingly competitive global environment. With this MoU, students will gain access to a broader spectrum of resources and opportunities, including internships, industry projects, and exposure to global best practices. Faculty members will benefit from collaborative research opportunities and professional development programs, enhancing their teaching methodologies and expertise.

ALARD UNIVERSITY SIGNS MOU WITH N B TECHNOLOGIES TO STRENGTHEN INDUSTRY-ACADEMIA INTEGRATION

Alard University, Pune, through the CRTPO Department, successfully formalized a Memorandum of Understanding (MoU) with N B Technologies on 27th April 2026 at the Hon. VC Office, Alard University, Pune.

The occasion was graced by distinguished dignitaries including Mr. Anil P. Zope, Director, Mr. Sanjay Pisale, Proprietor – Pratham Industrial Solution, and Ms. Vibhavari B. Patil, Director Projects, whose presence marked the beginning of a progressive and industry-focused collaboration.

The MoU establishes a strategic partnership aimed at promoting experiential learning, innovation, skill enhancement, and industry-academia integration for students and faculty members. The collaboration focuses on organizing Skill Development Programmes, Industry-Oriented Training Modules, Faculty Development Workshops, and Student Internship Opportunities through NBT's extensive industry network.



Under this partnership, N B Technologies will provide technical expertise, mentorship, and project-based learning experiences, while Alard University will facilitate student participation and align academic learning with evolving industry requirements. The collaboration also emphasizes the sharing of resources, infrastructure, and professional knowledge to enrich the overall educational experience.

The agreement reflects a shared commitment towards enhancing employability, practical exposure, innovation-driven learning, and professional competency development, thereby preparing students to successfully meet the demands of the modern industrial landscape.



Alard University Signs MoU with The Smart Bridge to Foster Experiential Learning and Industry Readiness

Alard University, Pune, through the CRTPO Department, successfully formalized a Memorandum of Understanding (MoU) with The Smart Bridge on 7th April 2026 at the Hon. VC Office, Alard University, Pune. The occasion was graced by Mr. Sachin Mhaske, Associate Director – Government and Academic Relations, whose presence marked the beginning of a progressive collaboration focused on strengthening academic-industry integration.

The MoU establishes a collaborative framework aimed at enhancing experiential learning, innovation, employability, and industry engagement for students and faculty members. The partnership includes initiatives such as the Experiential Learning Program in collaboration with NASSCOM, Virtual Internship Programs, Faculty Development Programs, and Hackathons.



Under this collaboration, The Smart Bridge will provide structured learning modules, mentorship, and project-based training experiences, while Alard University will facilitate student participation and integrate these initiatives within its academic ecosystem. Both institutions have agreed to share resources, expertise, and professional knowledge to ensure the successful implementation of the programmes.

The partnership reflects a shared commitment towards promoting skill development, practical exposure, industry-oriented learning, and innovation-driven education, thereby preparing students to excel in the rapidly evolving professional landscape.

FACULTY ACHIEVEMENTS



Hands-on Robotics Workshop on Industrial Robots Successfully Conducted for Faculty Members

A Hands-on Robotics Workshop on Industrial Robots was successfully conducted on 22nd April 2026 with the objective of enhancing faculty members' teaching capabilities in emerging technologies and promoting practical learning approaches in engineering education. The workshop was organized by the Department of Electronics & Telecommunication and conducted by the resource person, Mr. Rushikesh Goge.

The programme featured well-structured and highly informative sessions, including expert lectures on industrial robotics, hands-on coding practice, and live demonstrations of robotic systems. These activities provided participants with valuable practical exposure and deeper insights into the applications of industrial automation and robotics in modern engineering domains.



The workshop created an engaging and interactive learning environment, enabling faculty members to strengthen their technical expertise, practical understanding, and innovative teaching methodologies. It also encouraged the integration of advanced robotics concepts and experiential learning techniques into the academic curriculum.

Overall, the workshop proved to be highly enriching and beneficial, reflecting the institution's commitment towards promoting technological advancement, faculty development, innovation, and quality engineering education.

Research Publication Achievement in Pharmaceutical Analysis

RESEARCH PAPER

Simultaneous Estimation Of N-Acetyl Cysteine And Pyridoxamine Dihydrochloride In It'S Bulk Drug And Pharmaceutical Dosage Form By Hptlc Method

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Abstract

A simple, precise, and cost-effective high-performance thin-layer chromatographic (hptlc) method was developed and validated for the simultaneous estimation of n-acetyl cysteine (nac) and pyridoxamine dihydrochloride (pyri 2hel) in bulk and pharmaceutical dosage forms. Chromatographic separation was achieved using silica gel 60f254 plates with a mobile phase consisting of methanol:toluene:formic acid (3:7:0.1 v/v/v). Densitometric analysis was performed at 212 nm. The rf values for nac and pyri 2hel were found to be 0.42 and 0.13, respectively. The method showed good linearity in the range of 30–180 ng/band for nac and 5–30 ng/band for pyri 2hel with correlation coefficients of 0.997 and 0.994. The method was validated as per ich guidelines and demonstrated acceptable accuracy, precision, sensitivity, robustness, and specificity. The developed method was successfully applied for the analysis of marketed formulations. Hence, the method can be used for routine quality control analysis.

Keywords: N-Acetyl Cysteine, Pyridoxamine Dihydrochloride, High Performance Thin Layer Chromatography, Validation.

How To Cite This Article: Bhavale Gh, Shelar Mu, Kadam Jn, Andhale Gs, Gondhale-Karpe P, Jadhav Ny, Dhumal Js, Dighe Rd. Simultaneous Estimation Of N-Acetyl Cysteine And Pyridoxamine Dihydrochloride In It'S Bulk Drug And Pharmaceutical Dosage Form By Hptlc Method. Int J Drug Deliv Technol. 2026;16(4):425-432. Doi: 10.25258/ijddt.16.4.41

1. Introduction

N-Acetyl-L-cysteine (NAC) is chemically designated as (2R)-2-acetamido-3-sulfanylpropanoic acid and is a derivative of the amino acid cysteine, in which the amino group is acetylated¹. It is widely recognized for its mucolytic activity, attributed to its ability to cleave disulfide bonds in mucoproteins, thereby reducing the viscosity of secretions and facilitating their removal². NAC is commonly used in ophthalmic preparations

and bronchial nebulizing solutions for respiratory disorders³. Furthermore, it is an established antidote for paracetamol overdose, where it replenishes intracellular glutathione levels and mitigates the severity of acute liver injury⁴. Recent studies have also highlighted its antioxidant, anti-inflammatory, and cytoprotective properties, expanding its therapeutic applications⁵⁻⁷.

The Alard School of Pharmacy, Alard University, Pune, proudly celebrates a noteworthy research accomplishment through the successful publication of the research paper titled "Simultaneous Estimation of N-Acetyl Cysteine and Pyridoxamine Dihydrochloride in its Bulk Drug and Pharmaceutical Dosage Form by HPTLC Method" in the prestigious International Journal of Drug Delivery Technology (IJDDT), Volume 16, Issue 4, 2026.

The research presents the development and validation of a simple, precise, accurate, and cost-effective HPTLC analytical method for the simultaneous estimation of N-Acetyl Cysteine and Pyridoxamine Dihydrochloride in both bulk drugs and pharmaceutical dosage forms. The study demonstrated remarkable accuracy, precision, reproducibility, and reliability, making the method highly suitable for routine quality control analysis in pharmaceutical industries.

This significant publication reflects the institution's unwavering commitment towards research excellence, innovation, and scientific advancement in pharmaceutical sciences. The study also highlights the collaborative academic efforts of faculty members and researchers dedicated to enhancing modern analytical techniques and pharmaceutical methodologies.

Through such impactful research contributions, the Alard School of Pharmacy continues to strengthen its reputation as a center of excellence in pharmaceutical education, research innovation, and academic distinction.

Research Publication Achievement in Pharmaceutical Nanotechnology

RESEARCH PAPER

Extraction, Standardization And Synthesis Of Silver Nanoparticles From Root Extract Of *Nardostachys jatamansi*

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Abstract:

The burgeoning interest in nanotechnology has catalyzed extensive investigations into the fabrication and multifunctional applications of nanomaterials, particularly silver nanoparticles (AgNPs), owing to their distinctive physicochemical properties and broad-spectrum bioactivity. This study delineates the extraction, phytochemical standardization, and green synthesis of AgNPs employing the root extract of *Nardostachys jatamansi*, a medicinal herb renowned for its diverse secondary metabolites. Initially, the root extract was meticulously prepared and standardized to ensure batch-to-batch consistency in the concentration of the bioactive constituents. The biosynthesis of AgNPs was facilitated via a sustainable, phytochemical-mediated reduction process in which the extract functioned as both a reducing and capping agent. The physicochemical attributes of the synthesized nanoparticles were comprehensively characterized using ultraviolet-visible (UV-Vis) spectroscopy, X-ray diffraction (XRD), and transmission electron microscopy (TEM) to elucidate their optical properties, crystalline nature, morphology, and particle size distribution. Furthermore, the antifungal potential of the synthesized AgNPs was evaluated against *Candida albicans* to assess their therapeutic efficacy in vitro. These findings underscore a facile and eco-compatible approach for AgNP synthesis, with promising implications for biomedical applications, environmental remediation, and catalytic systems.

Keywords: Silver nanoparticles, *Nardostachys jatamansi*, green synthesis, antifungal activity, characterization,

How To Cite This Article: Bhagwat A, Shelar Mu, Kadam Jn, Nagare S, Gondhale-Karpe P, Dhumal Js, Jadhav Ny, Warude Bj. Extraction, Standardization And Synthesis Of Silver Nanoparticles From Root Extract Of *Nardostachys Jatamansi*. Int J Drug Deliv Technol. 2026;16(4):438-445. Doi: 10.25258/ijddt.16.4.43

Introduction:

Pharmaceutical and biomedical research is benefiting greatly from nanotechnology, which is able to create new types of engineered products that use engineered nanomaterials (i.e., nanoparticles) at the nanoscale. Manufactured nanoparticles have unique physical, chemical, and biological characteristics compared to their respective bulk materials. These typically have greater surface area reactivity, increased biosafety, and increased functional capabilities than their larger

counterparts. Therefore, nanoparticles as engineered materials may become an invaluable resource for drug delivery systems, antimicrobial treatments, diagnostic tools, and therapeutic material development. One type of engineered nanomaterial that has been extensively used in both the pharmaceutical and biomedical fields is silver nanoparticles (AgNPs) because of their proven success as an antimicrobial, antifungal, catalysts and other biomedical applications.¹⁻³

The Alard School of Pharmacy, Alard University, Pune, proudly celebrates a remarkable research accomplishment through the successful publication of the research paper titled "Extraction, Standardization and Synthesis of Silver Nanoparticles from Root Extract of *Nardostachys jatamansi*" in the prestigious International Journal of Drug Delivery Technology (IJDDT), Volume 16, Issue 4, 2026.

The innovative study focuses on the green synthesis of silver nanoparticles using the medicinal plant *Nardostachys jatamansi*, highlighting an eco-friendly and sustainable approach to nanotechnology development. The research encompasses detailed physicochemical characterization and evaluation of antifungal activity, demonstrating promising applications in the fields of pharmaceutical sciences, biomedical research, and plant-based nanotechnology.

The publication stands as a testament to the institution's strong emphasis on research excellence, scientific innovation, and interdisciplinary collaboration. It also reflects the continuous dedication of faculty members and researchers towards advancing knowledge and contributing meaningfully to emerging areas of pharmaceutical research.

The esteemed authors of the publication include Ms. Ashlesha Bhagwat, Dr. Madhuri U. Shelar, Dr. Jyoti N. Kadam, Ms. Sapana Nagare, Dr. Priyanka Gondhale-Karpe, Dr. Jeevan S. Dhumal, Dr. Nilesh Y. Jadhav, and Dr. Bhagyashree J. Warude. Alard University extends its heartfelt congratulations to all the authors for this outstanding academic achievement and for bringing pride and recognition to the institution through their valuable contribution to scientific research and innovation.

Research Publication Achievement

The Alard School of Business Management (ASBM), Alard University, Pune, proudly celebrates the successful publication of the research paper titled “Measuring Consumer Response towards Green Marketing Communications: Role of Green Consumption Value, Trust and Skepticism” in the prestigious International Journal of Advance Studies and Growth Evaluation.

The publication was authored by Dr. Dipti Tulpule, Prof. Sneha Vadavi, and Prof. Binal Joshi, reflecting their remarkable contribution towards sustainable marketing research and consumer behavior studies.

This achievement exemplifies the institution’s unwavering commitment towards research excellence, academic innovation, and intellectual advancement, while reinforcing its vision of fostering impactful and globally relevant scholarly contributions.



STUDENTS ACHIEVEMENTS



YIN ADHIVESHAN 2026: A TRANSFORMATIVE JOURNEY IN LEADERSHIP AND GOVERNANCE

The prestigious YIN Adhiveshan 2026 was held from 30th and 31st March to 1st April at the renowned Y.B. Chavan Centre, Mumbai, bringing together dynamic young leaders from across the state on a platform dedicated to governance, leadership, and public policy.

Representing Alard University, Pune as an MLA from the Bhor-Velhe-Mulshi (203) Constituency in the YIN Pratividhansabha, participation in the event reflected a strong commitment towards civic engagement and youth leadership.

The first day of the Adhiveshan witnessed active involvement in thought-provoking discussions and debates addressing various social and developmental issues. On the second day, the esteemed responsibility of Minister for Tourism, Mining & Ex-Servicemen Welfare was assigned, providing an opportunity to contribute to meaningful discussions on education policy reforms and public transport systems (ST bus services).



The Adhiveshan also served as a valuable platform for interacting with eminent personalities, policymakers, and young leaders, offering significant exposure to leadership, governance structures, and decision-making processes.

A major highlight of the programme was the educational visit to Vidhan Bhavan, Mumbai, conducted on 1st April, where important sections including the Legislative Assembly (Vidhan Sabha), Legislative Council (Vidhan Parishad), and the Central Hall were explored, providing practical insights into the functioning of the state legislature.

In recognition of active participation and impactful contribution, an Elite Recognition Award was conferred during the Adhiveshan, marking a moment of pride and accomplishment.

Overall, the experience proved to be highly enriching and inspirational, strengthening understanding of governance, leadership, and social responsibility, while reinforcing the commitment towards contributing positively to society and nation-building initiatives.

CELEBRATING INNOVATION AND ENTREPRENEURIAL EXCELLENCE AT ALARD NEXTGEN FOUNDERS COMPETITION

The Alard School of Pharmacy, Alard University, proudly celebrates the remarkable achievements of its students at the prestigious Alard NextGen Founders Competition, showcasing their innovation, creativity, and entrepreneurial vision in addressing real-world healthcare challenges.

A special appreciation is extended to Arya Bagul, First Year M.Pharm (Pharmaceutics) student, for securing the 2nd Position with her innovative concept titled “EcoFem Pharma – Sustainable Women’s Health: Design For Her.” Her project highlighted the importance of sustainability and women-centric healthcare solutions, reflecting a progressive and impactful approach towards contemporary pharmaceutical challenges.



The competition also witnessed an impressive contribution from Team NoMore Ouch comprising Kshitij Paraskar, Arpita Sharma, and Vijay Pal from Final Year B.Pharm, who secured the 3rd Position for their innovative idea, “Povidone Iodine Band Aid.” The team demonstrated exceptional creativity and pharmaceutical insight by proposing an integrated antiseptic wound-care solution aimed at enhancing healthcare management practices. These accomplishments reflect the students’ dedication, teamwork, innovative thinking, and problem-solving capabilities, while also highlighting the institution’s unwavering commitment towards fostering entrepreneurship, research-driven learning, and innovation-oriented education among aspiring pharmacy professionals.

The institution extends heartfelt congratulations to all the winners and wishes them continued success in their future academic, research, and entrepreneurial endeavors.

A Landmark Achievement in Innovation and Intellectual Property

The Alard School of Pharmacy, Alard University, proudly celebrates a remarkable milestone in the domain of innovation, research, and intellectual property awareness, reflecting the institution's unwavering commitment towards academic excellence and creative advancement.

In a unique and large-scale academic initiative, students and faculty members collectively participated in the creation of original copyrighted works, successfully completing the application filing process through the Government Copyright Portal. This extraordinary accomplishment highlighted the spirit of teamwork, creativity, inclusivity, and institutional collaboration.

The initiative served as a highly enriching learning experience by providing participants with practical exposure to copyright filing procedures, legal documentation, and intellectual property protection mechanisms. It also reinforced the importance of originality, ethical research practices, innovation, and creative thinking within the field of pharmaceutical sciences and beyond.



A distinguishing feature of this achievement was the collective contribution and official recognition of every participant, symbolizing a shared institutional success and fostering a culture of collaborative innovation.

This accomplishment stands as a testament to the institution's dedication towards nurturing a strong ecosystem of research-driven learning, intellectual property awareness, and innovation-oriented education. It further inspires students and faculty members to continue transforming innovative ideas into protected intellectual assets that contribute meaningfully to society and scientific advancement.

Such visionary initiatives play a pivotal role in strengthening academic growth, professional competency, and entrepreneurial thinking, preparing future professionals to excel in an increasingly competitive and innovation-driven global environment.

With this landmark achievement, the Alard School of Pharmacy not only sets a precedent for other academic institutions but also underscores the importance of integrating intellectual property education into the core curriculum. By empowering students with the knowledge and skills necessary to navigate the complexities of intellectual property rights, the university ensures that its graduates are well-equipped to protect their innovations and contribute to the advancement of their respective fields.

GPAT 2026 Achievement – A Proud Milestone for Alard School of Pharmacy

The Alard School of Pharmacy, Alard University, Pune, proudly congratulates Mr. Yuvraj Sambar for his outstanding achievement in the prestigious GPAT 2026 (Graduate Pharmacy Aptitude Test) by securing an impressive All India Rank (AIR) of 956.

This remarkable accomplishment reflects his dedication, perseverance, academic excellence, and consistent hard work, while also highlighting the strong academic mentorship and guidance provided by the faculty members of the institution. As GPAT is a highly competitive national-level examination, securing a notable rank stands as a significant milestone in a pharmacy student's academic and professional journey. The achievement brings immense pride and recognition to the institution and serves as an inspiration for aspiring pharmacy students to pursue excellence with determination and confidence.

The institution extends its heartfelt congratulations to Mr. Yuvraj Sambar and wishes him continued success in all his future academic, research, and professional endeavors. His accomplishment exemplifies the spirit of excellence and the commitment towards achieving higher goals in the field of pharmaceutical sciences.

The Alard School of Pharmacy remains committed to nurturing talent and fostering an environment that encourages academic growth and innovation. As we celebrate this milestone, we are reminded of the importance of hard work, resilience, and the pursuit of knowledge. We are confident that Mr. Sambar's journey will inspire his peers to strive towards similar achievements, and we look forward to witnessing the continued success of our students in various national and international platforms.

Congratulations once again to Mr. Yuvraj Sambar and all those who supported him in this journey. Let this be a beacon of inspiration for all aspiring pharmacists to dream big and achieve greatness.



With a strong foundation laid by the dedicated faculty and an ever-evolving curriculum, Alard School of Pharmacy aims to remain at the forefront of pharmaceutical education. We encourage our students to embrace challenges, explore new horizons, and contribute positively to the healthcare industry. This achievement is not just a testament to individual effort but also to the collaborative spirit and supportive community that defines our institution.

Pharma Plus Activity Highlight: Group Discussion Competition Successfully Conducted

A vibrant and intellectually engaging Group Discussion Competition was successfully organized for the FY & SY B.Pharm students under the Pharma Plus Activity initiative. The event witnessed enthusiastic participation from students, who showcased exceptional communication skills, analytical thinking, confidence, and teamwork throughout the competition.

The activity provided an excellent platform for students to enhance their public speaking abilities, critical reasoning, and collaborative learning skills, while encouraging healthy academic interaction and professional development.



The competition showcased outstanding performances, with the Winner Team consisting of Shravani Maggirwar, Krishna Kumawat, Giriraj Kulkarni, and Vicky Khushwah, and the Runner-Up Team including Ganesh Kharat, Prakash Chavan, Balaji Kadam, and Vivek Sangale. The event was interactive and inspiring, highlighting the institution's commitment to holistic learning and student engagement. Congratulations were extended to all participants for their efforts, contributing to the event's success. Judges praised the insightful discussions, reinforcing the importance of fostering curiosity and lifelong learning. Positive feedback indicated a desire for more diverse topics in future competitions. The institution aims to introduce innovative formats to further develop students' skills, setting a high standard for future events. The success of this competition has set a remarkable precedent for upcoming events at Alard University. Plans are already in motion to incorporate more interdisciplinary themes, encouraging students to explore beyond their academic specializations. Additionally, workshops on debate techniques and research methodologies are being considered to prepare participants even more thoroughly.

The enthusiasm and talent displayed by the students have not only made this event memorable but have also underscored the potential within our academic community. We look forward to nurturing this potential through continued opportunities that challenge and inspire.

STUDENT ACHIEVEMENT AT AETHERON 2026

Heartiest congratulations to our talented students Vivek Kute, Om Jambhulkar, Harshad Sathe, and Pruthviraj Chavan from Second Year B.Pharm for securing the 1st Position in the Tech Treasure Hunt Competition at Aetheron 2026.

Their exceptional achievement reflects remarkable teamwork, technical expertise, analytical thinking, and problem-solving abilities. Competing with enthusiasm and determination, the students demonstrated outstanding coordination and innovative thinking throughout the event.

Their success not only highlights their individual talents but also underscores the strong support and guidance provided by our faculty at Alard University. This victory is a testament to their hard work and dedication, inspiring their peers to strive for excellence in their academic and extracurricular pursuits. We are incredibly proud of their accomplishment and look forward to seeing them continue to excel in future endeavors. Keep up the great work, and may this be just the beginning of many more successes to come!



This accomplishment adds another proud milestone to the growing list of student achievements at the Alard School of Pharmacy and highlights the institution's commitment towards nurturing innovation, competitiveness, experiential learning, and holistic student development.

The institution proudly congratulates the winners for their remarkable success and wishes them continued excellence in all their future academic and professional endeavors.

Furthermore, this victory serves as an inspiration for other students to engage actively in diverse activities, fostering a vibrant culture of learning and growth within the campus. By participating in such competitions, students not only refine their skills but also gain invaluable experiences that prepare them for the challenges of the real world. The faculty and administration remain dedicated to supporting student initiatives and providing an environment that encourages creativity and critical thinking. As we celebrate this achievement, we eagerly anticipate more such accomplishments that reflect the unwavering spirit of Alard University.

Our Schools

Alard School of Engineering and Technology

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