



GALGOTIAS SUSTAINABILITY BULLETIN

LEADERSHIP, LEARNING & ENVIRONMENTAL STEWARDSHIP

NOVEMBER 2025



NEWSLETTER





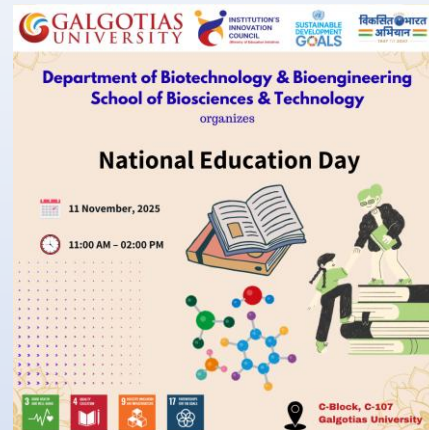
**LEADERSHIP,
LEARNING
& ENVIRONMENTAL
STEWARDSHIP**

GALGOTIAS
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Workshop

on Constitutionalism and the Environment: A Legal Exploration



The Department of Biotechnology & Bioengineering, School of Biosciences & Technology, under the Institution's Innovation Council, celebrated National Education Day on 11 November 2025 at Galgotias University. The event commemorated the vision of Maulana Abul Kalam Azad, India's first Education Minister, highlighting his commitment to inclusive and progressive education. Students actively participated in discussions on the transformative role of education in fostering innovation, research, creativity, and leadership. Faculty members encouraged lifelong learning and scientific thinking. The celebration emphasized accessible, quality, and innovation-driven education as a foundation for sustainable development and empowering youth to contribute towards a stronger, self-reliant India.

Protecting Ideas, Powering Innovation: IPR Awareness for Future Entrepreneurs



On 17 November 2025, the Department of Biotechnology & Bioengineering, School of Biosciences & Technology, Galgotias University, organized an insightful Webinar on "IPR Basics for Innovators & Entrepreneurs." The session aimed to enhance awareness about Intellectual Property Rights and their significance in promoting innovation, research translation, and entrepreneurship. The resource expert discussed patents, copyrights, trademarks, and design rights, along with practical procedures for filing and protecting intellectual property in India. Participants gained valuable insights into safeguarding innovative ideas within academic and start-up ecosystems. The webinar encouraged creativity, responsible innovation, and entrepreneurial thinking, fostering a stronger culture of innovation and contributing to national development.

From Challenges to Solutions: Igniting the Spirit of Innovation



On 28 November 2025, the Department of Biotechnology & Bioengineering, School of Biosciences & Technology, Galgotias University, organized a “Session on Achieving Problem–Solution Fit” from 10:00 AM to 01:00 PM. The offline session focused on developing students’ ability to identify real-world challenges and formulate innovative, feasible solutions. The resource person introduced root cause analysis, design thinking, brainstorming techniques, and idea evaluation. Through interactive team activities and case studies, participants explored practical problem-solving approaches. The session strengthened critical thinking, creativity, collaboration, and entrepreneurial skills while encouraging students to address societal and industrial challenges through innovation-driven solutions aligned with contemporary needs

Ideas to Impact: Empowering Young Entrepreneurs for a Viksit India



On 9 November 2025, the Department of Biotechnology & Bioengineering, School of Biosciences & Technology, in collaboration with the Institution’s Innovation Council (IIC), Galgotias University, celebrated National Entrepreneurship Day. The event aimed to promote awareness about innovation-led entrepreneurship and its contribution to economic development. Students explored the fundamentals of entrepreneurship, creative thinking, and strategies for transforming innovative ideas into successful ventures. Key initiatives, including Startup India and Make in India, were highlighted to encourage entrepreneurship as a viable career pathway. Interactive discussions demonstrated how technology and innovation can address real-world challenges, fostering entrepreneurial thinking, creativity, and commitment to sustainable national development.

From Classroom to Industry: Exploring the Science Behind Probiotic Innovation



On 21 November 2025, the Department of Biotechnology & Bioengineering and Departments of Food Technology, Galgotias University, organized an industrial visit to Yakult Danone India Pvt. Ltd., Sonipat, with 95 students from B.Tech (Food Technology and Biotechnology), B.Sc., and M.Sc. (Food Science and Dietetics) programmes. The visit provided practical exposure to probiotic production, food processing, quality assurance, and industrial hygiene. Mr. Shagun Rana (Tr. Jr. Executive) and team explained the manufacturing process, including sterilization, fermentation, blending, bottling, packaging, and quality control. Students also learned about *Lactobacillus casei* Shirota, GMP, hygiene protocols, and automated production, effectively connecting classroom learning with real-world industrial applications.

Shaping the Future of Healthcare: Six Days of Medical Biotechnology Innovation



From 20 to 26 November 2025, the Department of Biomedical Sciences, School of Biosciences and Technology, Galgotias University, organized a six-day hybrid workshop on “Recent Trends in Medical Biotechnology.” The programme was inaugurated by Professor (Dr.) Abhimanyu Kumar Jha, Dean, SBST, and featured expert lectures on genomics, precision therapeutics, pathogen detection, next-generation sequencing, and radio-frequency radiation and human health. A dedicated student research presentation session encouraged scientific communication and knowledge exchange. Eminent experts, including Dr. Piyush Bhati, Dr. Ravi Kumar Chaudhary, Dr. Robin Marwal, Prof. (Dr.) Ranjana Patanaik, and Prof. (Dr.) R. S. Sharma, shared contemporary research insights. The workshop strengthened scientific awareness, interdisciplinary learning, and research culture among participants.

From Genomics Knowledge to Career Readiness: Building Skills for the Future



On 17 November 2025, the Department of Life Sciences, School of Biosciences and Technology, Galgotias University, organized a webinar titled “Becoming Job-Ready in Genomics: Skills That Actually Matter.” The session featured Dr. Shaweta Arora, who highlighted essential competencies in genome sequencing, molecular biology, bioinformatics, programming, data interpretation, and genomics ethics. Prof. (Dr.) Abhimanyu Kumar Jha, Dean, SBST, emphasized the growing importance of genomics in healthcare and biotechnology. An interactive Q&A addressed certifications, fellowships, internships, and career pathways. The webinar strengthened students’ employability, research awareness, innovation, and lifelong learning in the rapidly evolving field of genomics.

Advancing Healthcare Through Innovation: Exploring New Frontiers in Medical Biotechnology



On 20–26 November 2025, the Department of Biomedical Sciences, School of Biosciences and Technology, Galgotias University, organized a six-day hybrid workshop on “Recent Trends in Medical Biotechnology.” The programme was inaugurated by Professor (Dr.) Abhimanyu Kumar Jha, Dean, SBST, and featured expert sessions on genomics, precision therapeutics, pathogen detection, next-generation sequencing, and radio-frequency radiation and human health. Dr. Piyush Bhati, Dr. Ravi Kumar Chaudhary, Dr. Robin Marwal, Prof. (Dr.) Ranjana Patanaik, and Prof. (Dr.) R. S. Sharma shared valuable scientific insights. Student research presentations further promoted scientific communication and research engagement. The workshop strengthened interdisciplinary learning, scientific awareness, and research culture among participants.

Beyond the Classroom: Exploring Cutting-Edge Science at IIT Delhi



On 8 November 2025, the School of Biosciences and Technology, Galgotias University, organized an academic visit to the Open House at IIT Delhi for B.Sc. Clinical Research students from the Department of Biomedical Sciences, under the supervision of Dr. Subodh Kumar, Assistant Professor. The visit provided valuable exposure to advanced research facilities and emerging technologies. Students explored the Bioprocess, Instrumentation, NABL-accredited, and Neuro-mechanism Laboratories, gaining insights into bioreactors, fermentation units, spectrophotometers, biosensors, multiplex PCR, HPLC, prosthetic technologies, and brain-machine interfaces. Expert lectures on science and technology, AI and robotics, and biotechnology further enriched their knowledge. The visit strengthened students' research orientation and encouraged them to pursue advanced studies and innovation-driven careers.





GALGOTIAS UNIVERSITY

Rising significance of Adaptability Quotient

IQ, EQ are vital, but AQ complements them by giving an aspirant's complete persona, writes Wg Cdr Dinesh Mathur, VSM (Retd)

For success in today's world, one needs to possess a complete persona. Intelligence Quotient (IQ) and Emotional Quotient (EQ) are vital, but AQ complements them by giving an aspirant's complete persona, writes Wg Cdr Dinesh Mathur, VSM (Retd). At the same time, EQ is the ability to understand, use, and manage your emotions, and understand others' emotions. With the rapid advancements in technology and the changing demands of the office, not only IQ and EQ, but also Adaptability Quotient (AQ) is assuming increasing importance and can no longer be overlooked by recruiters. In simple terms, AQ refers to a person's ability to adapt in new situations and flourish in transforming environments.

AQ evaluates how well people are capable of handling uncertainty, overcoming challenges, and adapting their behaviour in response to new inputs or environments. It, therefore, implies that AQ is currently a highly valued personality trait in this technologically advancing and VUCA world. The AQ would invariably encompass the desire and capability to assimilate new concepts rapidly, discard outdated views or systems, and have an urge to bounce back after failure. In addition, inquisitiveness and openness to exploring new experiences and situations and possessing control over emotions when facing uncertainty and stress, would also encompass the concept of AQ.

Recently, Google CEO Sundar Pichai predicted that AI will be more transformative than the internet. Many tech leaders have expressed similar views. It is now believed that AI adoption alone will disrupt 44% of workers' skills by 2026, and executives estimate that 40% of their workforce must reskill within three years to stay relevant.

Additionally, globalisation demands that one must adapt to working in different time zones and become familiar with other languages and cultures. All these are essential requirements of the new world. The World Economic Forum's Future of Jobs 2023 survey of 893 companies (11.3 million employees) ranks resilience, flexibility and adaptability as the top skills for the future.

Performance Goals

Skills must be continuously upgraded, and outdated practices abandoned, to remain ready to face new challenges. Yet another dimension to this issue is transnationalism and the amalgamation of cultures, which leads to different business practices, working habits, and new norms of functioning, resulting in higher performance goals.

Ability directly behind analytical and creative thinking in its top 10 core skills, and lists curiosity and lifelong learning among the fastest-rising abilities. Employers are now focusing on AQ as an inescapable requirement for both hiring and talent development.

Flexible Approach

Though some tests to measure AQ have emerged, unlike IQ, it is difficult to quantify it through standard tests. However, various assessments and psychological frameworks have been developed to measure adaptability in fields such as cognitive flexibility, emotional regulation, and learning agility. These tools may include scenario-based evaluations and reflective exercises. By asking a few probing questions, one can get a reasonable idea of a person's AQ. It can be developed by adopting focused strategies. First, one needs to willingly accept change as a natural part of life. Second, one should try to remain calm and seek answers to questions about new developments. Third, one must encourage the growth of one's mind and grab opportunities to learn and gain more knowledge. Fourth, do not consider asking for help as a sign of weakness. Fifth, remaining open-minded is vital, as it enables the adoption of new approaches. Furthermore, one need not hesitate to unlearn outdated information. Finally, take small steps to work on projects towards new goals. This will help enhance AQ.

(The author is retired wing commander and former chief instructor, Defence Institute of Psychological Research)



VIEWS

Advertorial, Education Promotional Feature

Delhi HC ruling on attendance in Law schools calls for engaging setups in classroom

The Court's judgment highlights that legal education must involve practical knowledge of law via internships, prison visits, debates and seminars

Sonal Srivastava
@sonalnewsindia



The recent Delhi High Court (HC) ruling on how to law college or university can bar students from taking exams due to lack of attendance, confirms that students are allowed to gather practical knowledge through internships, prison visits and legal aid. Universities bound by this judgment cannot bar any student from taking the exam or being promoted to the next semester based on attendance. However, in the final semester, a reduction in grades would be permitted. This has increased the challenge for law professors who need to make classes interactive and engaging to retain students' attention.

A bench of Justice Pratibha M Singh and Justice Amit Sharma held that the absolute ban against appearing in an examination without fulfilling mandatory physical attendance norms as contained in Rule 12 of the Legal Education Rules, 2008, is contrary to the spirit of NEP 2020, and the 2003 UGC Regulations.

The Court has directed BCI to consult all stakeholders and revisit its mandatory attendance norms by providing credit marks for moot courts, internships, seminars; immediately start weekly notification of attendance and inform parents/guardians monthly in cases of attendance shortage; devise means to cover up shortage of attendance via legal aid clinics; home assignments or minimal reduction in grades but promotion to next semester shall not be withheld on ground of shortage of attendance.

"Since this judgment is delivered by the Delhi HC, it is binding on all state universities under the Delhi government and also the central universities located in Delhi. Other states may choose to follow its reasoning, but they are not necessarily bound by it. Universities bound by this judgment will have to relax their attendance rules and adopt alternate methods to ensure academic

Quality Matters

Mandatory attendance was prescribed by the BCI, and universities were bound by this decision.

"The judgment, though binding only in Delhi, has persuasive value for other High Courts. We should not return to the earlier era of non-seriousness in legal education. Good legal education is essential for maintaining the quality of the Bar and the Bench. Teachers must also understand that students do not attend classes solely for information. AI can provide such information instantly; we need to become more creative in our teaching and learning methods.

Universities should administer all laws with empathy," says Faizan Mustafa, Vice-Chancellor, Chanakya National Law University, Patna.

Many Methods

The option of supplementary exams also provides the detainee with the opportunity to cover up his losses, thereby minimising duress. "Mandatory attendance ignores the lived realities of several students, their daily commute, financial hardships, familial responsibilities, stress of living away from home and many times such forced classes offer no value addition to students' knowledge. Instead of forcing students to attend classes, it would be better to adopt multidimensional education through video tutorials, practicals, and extracurricular activities. Teachers should work to improve the quality of their lectures by engaging students, as engaging lectures naturally attract students. Regular attendance updates instead of a single notice at the end of the semester will allow students and parents to take corrective steps in a timely manner," says Deswal.

The Delhi High Court's judgment highlights that legal education cannot be rote learning but must involve practical knowledge of law, which may be obtained through internships in courts, among other avenues. "The judgment only proscribes detaining or otherwise preventing students from appearing for the end-of-term exams. The Court suggests that a deduction of up to 5% marks in cases of low attendance may be a proportionate penalty for the attendance shortage," says Faizan Mustafa, Vice-Chancellor, Chanakya National Law University, Patna.



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Galgotias University is committed towards the 17 Sustainable Development Goals of the United Nations



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