

NEWSLETTER



BIANNUAL | ISSUE 4 | JULY – DECEMBER 2025

Delhi Technological University

Shahbad Daulatpur, Bawana Road, Delhi-110042



Department of
BIOTECHNOLOGY

CONTENTS

Message from Hon'ble Vice-Chancellor	5
Message from Head of Department	7
From the Editor's Desk	9
Welcoming Vibrant Additions to Our Distinguished Faculty Team	10
Faculty Corner	13
• Publications by the Department	13
• Patents Granted	14
• Prof. Pravir Kumar honored with the Prof. Ch. Radhakrishna Murthy Memorial Award 2025!	14
• Faculty interdisciplinary Research Projects Sanctioned by DTU	14
• Govt. Agency Funded Research Projects	15
• Dr. Ankita Secures Prestigious DST INSPIRE Faculty Grant!	15
• Research Awards Conferred by Delhi Technological University (RIEA-2025)	15
• Participation in Faculty Development Programmes	16
Memoranda of Understanding (MoUs) Signed	16
Curriculum Update	16
• B. Tech Biotechnology curriculum update: the approval of a new Discipline Elective Course (DEC) focusing on Indian Knowledge Systems (IKS)!	16
• Unlocking the Future: New Industry Micro-Credential in Next Generation Sequencing	17
Events Organized by the Department	18
• Departmental UG Orientation Programme	18
• Stronger Together: Delhi Technological University Unites for Lung Cancer Awareness	19
• Department of Biotechnology Welcomes PG Class of 2025	19
• Department of Biotechnology Marks the Birth Centenary of Dr. M. S. Swaminathan	20
• Independence Day Celebration	20
• Gandagi se Azadi	21
• Lecture Series in Biotechnology 2025 (Lectures 5 th and 6 th)	21
• Exploring the Future of MedTech: Insights from Dr. Arti Tyagi	22
• Bridging Ancient Wisdom and Modern Science: Department Hosts Symposium on Indian Knowledge Systems in Biotechnology	22
• Department Hosts 7 th Lecture of the Lecture Series in Biotechnology: Focus on Brain Health and Healthcare Accessibility	23
• Vigilance Awareness Week	23
• Mega Open House Day	24
• Educational Tour to ICGEB, Delhi	24
• Diabetes Awareness Programme: Know, Prevent, Control	24
• Eighth Lecture of the Lecture Series in Biotechnology	25
Student's Corner	26
• Celebrating the Success of Our Proud Alumnus Ritika Saha	26
• A Resounding Congratulations to Our Graduating Classes!	26
• Futures Sealed: Celebrating Our Final-Year Students' Next Steps	28
• Interns on the Rise: Celebrating Our Students' Professional Leaps	28
• Celebrating Student Stars!	30
Photo Gallery	31



दिल्ली प्रौद्योगिकी विश्वविद्यालय
DELHI TECHNOLOGICAL UNIVERSITY

(Formerly Delhi College of Engineering)

विकसित भारत
अभियान
1947 TO 2047

Prof. Prateek Sharma
Vice-Chancellor

F.No.DTU/VCO/DO/10/2026-27/ 3062

Date: 14/6/26



Message from the Hon'ble Vice Chancellor

The Department of Biotechnology at Delhi Technological University continues to stand as a strong pillar of academic excellence, research-driven innovation, and meaningful societal engagement. This biannual newsletter offers a compelling snapshot of the department's dynamic progress over the past six months, highlighting its contributions across advanced research, curriculum development, interdisciplinary initiatives, academic enrichment, outreach programmes, and student achievements that collectively reflect the department's growing impact and academic maturity.

During this period, the department has demonstrated remarkable momentum, supported by an expansion of faculty strength, sustained research output, and a culture of interdisciplinary collaboration. The induction of accomplished new Assistant Professors with diverse academic training and national and international research experience has significantly strengthened the department's intellectual capital. Their presence has further enhanced teaching excellence, research depth, and mentorship capacity, and I am confident that their scholarly rigor and interdisciplinary outlook will play a vital role in shaping the department's future growth and global standing.

The department's strong research commitment is clearly reflected in its success in securing interdisciplinary research projects supported by the University. Faculty-led collaborations spanning biotechnology, engineering, data science, sustainability, and healthcare demonstrate meaningful convergence across disciplines.

The department also continues to enrich academic discourse through its ongoing Lecture Series in Biotechnology, including a distinguished lecture on brain health and healthcare accessibility, which offered students valuable insights into the intersections of neuroscience, public health, and national development.

I am particularly encouraged by the department's emphasis on forward-looking academic reforms and skill-oriented education. Curriculum updates aligned with contemporary scientific needs, the introduction of industry-integrated micro-credential programme, and the thoughtful incorporation of Indian Knowledge Systems into biotechnology education reflect a balanced and holistic approach. These initiatives are well aligned with the vision of the National Education Policy 2020 and are essential for preparing students to thrive in an evolving global scientific landscape.

Beyond academics and research, the department has remained actively engaged with society through a wide range of lectures, symposia, awareness programmes, outreach initiatives, academic visits, and national observances. These activities have enriched the learning environment while reinforcing a strong sense of social responsibility and civic engagement alongside academic excellence.

I am confident that the energy, commitment, and excellence reflected in this newsletter will continue to propel the department toward greater achievements in the years ahead, contributing meaningfully to science, innovation, and national development.

Prof. Prateek Sharma
Vice Chancellor, DTU

Message from Head of Department



Prof. Yasha Hasija

Head, Department of Biotechnology
Delhi Technological University

Dear Readers,

It is with great pride and pleasure that I present this edition of the Department of Biotechnology Newsletter, which captures the remarkable academic, research, and outreach activities undertaken during this vibrant period. The past months have been exceptionally productive and inspiring, reflecting the collective commitment of our faculty, students, researchers, and staff toward excellence in biotechnology education and innovation. This newsletter stands as a comprehensive chronicle of our shared efforts, achievements, and aspirations as a growing academic community.

One of the most encouraging developments has been the strengthening of our faculty profile with the induction of highly accomplished and motivated academicians and researchers. Alongside this, the department has continued to make notable contributions to scientific research, evident from the impressive number of publications in reputed journals, granted patents, and successfully funded projects from national agencies. These achievements reaffirm our commitment to addressing contemporary scientific challenges with rigor, relevance, and responsibility.

Academic innovation has remained a key focus area for the department indicated via the introduction of new curriculum components. Beyond academics and research, the department has actively engaged in a wide range of scholarly, cultural, and social initiatives. Expert lectures, symposia, awareness programmes, faculty development activities, and outreach events have created platforms for meaningful interaction, knowledge exchange, and societal engagement.

I take immense pride in our students, whose accomplishments in academics, competitive examinations, placements, higher studies, research publications, internships, and extracurricular activities continue to bring laurels to the department.

I sincerely thank all faculty members, staff, students, alumni, and collaborators for their unwavering support and contributions to the department's growth.

I also commend the editor for curating and compiling this rich record of our progress.

Let us continue to push the boundaries of knowledge and make meaningful contributions to science, technology, and society.

Prof. Yasha Hasija

Head, Department of Biotechnology, DTU

From the Editor's Desk



Dr. Ankita

Assistant Professor, Department of Biotechnology
Delhi Technological University

Dear Readers,

It gives me immense pleasure to present this issue of the Department of Biotechnology Newsletter. This compilation captures a vibrant and productive phase of our academic journey. The past months have been marked by significant milestones that reflect the collective dedication and enthusiasm of our faculty, students, and staff. This newsletter is not merely a record of events; it is a testament to the spirit of collaboration, curiosity, and excellence that defines our department.

Together, we continue to nurture an environment where innovative ideas are encouraged and translated into impactful outcomes, as reflected in our growing portfolio of high-quality publications, patents, and funded research projects.

This period has been enriching in terms of academic initiatives and curriculum innovation. Our department has actively engaged in numerous academic, social, and outreach activities—ranging from national awareness programmes, expert lectures, and symposia to student orientation programmes and community-driven initiatives.

I am particularly proud of our students, whose achievements in academics, research, placements, higher studies, internships, and extracurricular pursuits continue to inspire us. Their success is a reflection of their perseverance and the supportive mentoring culture of the department.

I extend my sincere appreciation to all faculty members, students, administrative staff, and collaborators who have contributed to the department's progress. Hope you love our latest issue! We focused on the power of new beginnings and celebrating achievements and accomplishments. I am deeply honored to contribute and bring forward this compilation to you all. We hope the stories inside this issue inspire you, motivate you to embrace new challenges, accomplish your goals, and think differently about the world around you. Thank you for being a part of our community.

Happy reading,

Ankita
30/12/25

Dr. Ankita

Editor, Biannual Newsletter
Department of Biotechnology, DTU



Welcoming Vibrant Additions to Our Distinguished Faculty Team

The Department delightedly extended warm welcome to the newly recruited Assistant Professors. The faculty members bring with them an impressive academic lineage and wealth of experiences in the cutting-edge fields of Biotechnology. Their arrival marks a significant enhancement to our already robust team, and we are incredibly excited about the contributions they will undoubtedly make to our research endeavors, teaching excellence, and the overall academic vibrancy of our institution.

DR. ANKITA

We're thrilled to welcome Dr. Ankita. She brings with her an invaluable experience garnered across diverse and highly regarded institutions. She earned both her Ph.D. (2021)

and M.Sc. (2017) in Molecular Medicine from the prestigious Special Centre for Molecular Medicine, Jawaharlal Nehru University, India. Her foundational understanding was built during her B.Sc. in Biochemistry from Sri Venkateswara College, University of Delhi (2015).

Before joining us, she served as an Assistant Professor at the University School of Biotechnology, Guru Gobind Singh Indraprastha University, New Delhi (2023-2025). Her postdoctoral experience includes DBT-Research Associate at the National Institute of Immunology, New Delhi (2023), Postdoctoral Research Associate at Washington University in St. Louis School of Medicine, Missouri, USA (2022). She holds teaching and mentorship experience as a faculty member from Pathfinder Academy, New Delhi (2022-2023).

Dr. Ankita's remarkable talent and potential have been consistently recognized through numerous prestigious awards and fellowships. Her recent success in securing the DST Inspire Faculty Fellowship (Call 2024) is a strong indicator of her innovative research ideas and leadership potential. Prior to this, she was awarded the DBT-Research Associate fellowship (2023), and her doctoral research was supported by both the CSIR SRF (2019-2021) and CSIR JRF (2017-2019). Her academic prowess was evident early on, achieving an impressive CSIR JRF-NET (AIR 38)



in Life Sciences in Dec 2016 and qualifying the Graduate Aptitude Test in Engineering (GATE)-Life Sciences in 2020. A particularly noteworthy achievement is her Indian Patent (2020) as a co-applicant (Application no. 202011021298), currently in "Published" status.

Her research interests are broadly focused on Biochemistry, Molecular Biology, and Infectious Diseases, the areas that are not only foundational to our discipline but also critical for addressing contemporary global health challenges. We are confident that her expertise will open new avenues for interdisciplinary collaborations and cutting-edge research within our department.

DR. SHIVANI KHATRI

We welcome Dr. Shivani!

Her exceptional background and extensive experience promise to bring fresh perspectives and significant

advancements to our ongoing work.

Dr. Shivani's academic journey is impressive. She kicked off her higher education at Delhi University, earning her B.Sc. (Hons.) in Microbiology in 2014. She then deepened her scientific knowledge with an M.Sc. in Medical Biotechnology from PGIMER Chandigarh in 2016. Most recently, she completed her Ph.D. in Biotechnology at IIT Delhi in 2024, a testament to her dedication to cutting-edge research. Her doctoral studies included a period as a Guest Ph.D. in Microbial Genomics at the Technical University of Denmark from 2019 to 2020, generously sponsored by Novozymes and the Henning Holck-Larsen Foundation.



Before joining us, Dr. Shivani served as a Postdoctoral Scientist at University College Dublin in Ireland, 2023-2025. In this crucial role, she dove deep into soil microbiome dynamics within the plant rhizosphere, utilizing sophisticated molecular biology techniques and advanced data analysis tools like bioinformatics and R programming. Beyond her research, she also demonstrated a strong commitment to education, actively mentoring graduate students and fostering collaborative environments. Her work at University College Dublin significantly contributed to the field of sustainable agriculture research.

Dr. Shivani's diverse research interests include Microbial genomics, Metagenomics, Interpretations of ecological microbial interactions via network modelling, Plant-microbe interactions, Environmental Microbiology and Molecular Microbiology. We are incredibly excited about the innovative contributions she will undoubtedly make and look forward to the exciting new directions her insights will inspire.

DR. PREM RAJ MEENA

We're pleased to welcome Dr. Prem Raj Meena, a dynamic and accomplished researcher, to our department. Dr. Prem Raj Meena brings a powerful blend of expertise in Microbiology, Biotechnology, and Bioinformatics, with a key focus on the critical "One Health" approach and combating Antimicrobial Resistance. He earned a Ph.D. in Microbiology from the Central University of Rajasthan (2021), M.Tech. (2015) and B.Tech. (2014) degrees in Biotechnology and Bioinformatics from University of Rajasthan, Jaipur. His diverse experience includes a recent Post-Doctoral position at IMRIC, The Hebrew University-Hadassah Medical School, Jerusalem, Israel (2025), and prior roles as a Research Associate at Jawaharlal Nehru University (2024) and Assistant Professor at the Central University of Rajasthan (2022), along with industry insight as a Consultant Research Scientist from Selo Health Private Limited, Mumbai, Maharashtra, India (2022).

His exceptional contributions and potential have been consistently recognized. He is a

proud recipient of the prestigious National Overseas (NOS) Post-Doctoral Fellowship from the Government of India, the DBT-RA (Research Associate) Fellowship from the Department of Biotechnology, and the National Fellowship for Higher Education. He has also demonstrated outstanding academic rigor by qualifying GATE (Life Sciences) and CSIR-NET (Life Sciences).

Dr. Prem's research delves into understanding Antimicrobial Resistance (AMR), a global public health threat, as well as exploring Microbial Pathogenesis and utilizing advanced Metagenomics techniques to uncover new insights into microbial communities.

DR. PRAVEEN KUMAR

We are delighted to welcome Dr. Praveen Kumar. Dr. Kumar brings a wealth of knowledge and a dynamic research focus that promises to significantly advance our work in critical areas of human health. Dr. Kumar's impressive academic journey began with a B.Sc. in Botany, Zoology, and Chemistry from Himachal Pradesh University in 2007, followed by an M.Sc. in Biotechnology from Guru Nanak Dev University in 2009. He culminated his foundational studies with a Ph.D. from the National Institute of Immunology, New Delhi, in 2015, solidifying his expertise in cutting-edge research.

His extensive research experience spans prestigious national and international institutions. Dr. Kumar most recently served as a Project Research Scientist (ICMR) at Jawaharlal Nehru University in 2025. Prior to this, he held the esteemed Malaviya Postdoctoral Fellowship at the Institution of Eminence cell, Banaras Hindu University, in 2021, and conducted impactful research as a Postdoctoral Fellow at Technion – Israel Institute of Technology, Haifa, Israel, starting in 2015.

His exceptional contributions have been consistently recognized through Keystone Travel Award, and a Junior Research Fellow (CSIR) fellowship. He also demonstrated academic excellence by qualifying the GATE (Life Sciences) examination.

Dr. Kumar's research interests are highly relevant to contemporary global health challenges.

He delves into Cancer Biology, particularly focusing on Tumor Metabolism & Genomics and understanding Therapy Resistance, seeking innovative ways to overcome treatment failures. His expertise also extends to Malaria Parasite Biology, a crucial area in infectious disease research.

We are confident that Dr. Praveen Kumar's innovative research, diverse experience, and commitment to scientific excellence will be an invaluable asset to our department, fostering new collaborations and inspiring our students.

DR. MAMTA RANI

We're thrilled to welcome Dr. Mamta! She brings a wealth of experience from her extensive Post-Doctoral tenure (2018-2025) at the prestigious National Institute of Plant Genome Research (NIPGR), Delhi where she delved deep into understanding plant health and resilience.

Her academic journey is marked by consistent achievement, starting with an M.Sc. in Biotechnology from the University of Hyderabad (2011). She then earned her Ph.D. in Life Sciences (2016) from Jawaharlal Nehru University (JNU), New Delhi, where she honed her expertise in critical areas of biological research.

Dr. Rani's exceptional caliber is further underscored by a remarkable array of awards and fellowships. These include the highly competitive CSIR-Senior Research Associateship, DST-Women Scientists A, and the SERB-National Post-Doctoral Fellowship. Such accolades are a testament to her innovative research and the high regard for her scientific contributions. Her success in securing national qualifying examinations like CSIR-JRF, DBT-JRF, ARS-NET, and GATE also highlights her comprehensive knowledge and competitive edge.

Her research interests are squarely focused on crucial frontiers in plant science: Plant-Microbe Interactions, Fungal Biology, and Nutrient Exchange in Symbiotic Associations. These areas are vital for developing sustainable agriculture and enhancing crop productivity. We eagerly anticipate the transformative impact Dr. Mamta Rani will have on our academic community.

DR. RAMAN KUMAR



We welcome Dr. Raman Kumar. He brings a formidable academic background and a wealth of teaching and research experience.

Dr. Kumar earned his Ph.D. in Biochemistry from the prestigious All India Institute of Medical Sciences (AIIMS), New Delhi, in 2017, following his M.Sc. in Biochemistry from Jamia Millia Islamia in 2009, and his B.Sc. (Zoology Hons.) from Zakir Husain College, University of Delhi, in 2007. His robust academic foundation is complemented by the National Fellowship from the Indian Council of Medical Research in 2011, and qualifications like GATE and CSIR-NET, underscoring his academic excellence.

His extensive professional experience further highlights his expertise. Prior to joining us, Dr. Kumar served as an Assistant Professor of Biochemistry at North DMC Medical College & Hindu Rao Hospital, and previously at AIIMS, Vijaypur, and Dr. BSA Medical College & Hospital. He also gained valuable clinical exposure as a Senior Resident at AIIMS, Rishikesh. This diverse teaching and clinical background will undoubtedly enrich our students' learning experience.

Dr. Kumar's research interests are at the forefront of modern biomedical science, encompassing Tumor Biology and Tumor Metabolism, Metabolic Reprogramming, Cell-to-Cell Communication, and Biomedical Technologies. His work in these areas, along with his active memberships in esteemed scientific bodies like the Indian Immunology Society and American Association for Cancer Research, promises to foster groundbreaking research and innovation within our institution. We look forward to his profound contributions to our academic and research community.



Faculty Corner



Publications by the Department

The department takes great pride in the research contributions of its dedicated teams, who have consistently published quality work across reputed journals and conferences. These publications reflect the collective effort, innovation, and commitment of our faculty, researchers, and students toward advancing knowledge in their respective fields. Each paper not only adds to the academic reputation of the department but also serves as an inspiration for future research endeavors. Our department continues to make meaningful contributions to the wider academic and scientific community.

S. No.	Faculty Name	Publication
1	Prof. Yasha Hasija	Dogra, A., Hasija, Y., (2025). Unraveling prognostic biomarkers in oral squamous cell carcinoma: An approach based on explainable artificial intelligence. <i>Cancer Genet.</i>
2	Prof. Yasha Hasija	Hasija, Y., & Yadav, A., (2025). Identification of potential alternatives for Isoniazid: An in silico Molecular Dynamics Study. <i>Journal of Molecular Graphics and Modelling.</i>
3	Prof. Yasha Hasija	Hasija, Y., & Jha, M., (2025). Development and validation of AI-driven multi-omics language models for cancer genomics: A comprehensive review. <i>Computational Biology and Chemistry</i>
4	Prof. Yasha Hasija	Bisht, A., and Hasija. Y., (2025). Revolutionizing neonatal health: India's journey from assays to advanced genetics. <i>Journal of Applied Genetics</i>
5	Prof. Yasha Hasija	Bora, S., Paul, R.P., Kukal, S., Mishra, K.M., Hasija, Y., & Kukreti., R., (2025). In-vitro Assessment of BCRP-Mediated Efflux of Antiseizure Medications in Human Blood-Brain Barrier Cell Model. <i>Journal of Biochemical and Molecular Toxicology.</i>
6	Prof. Jai Gopal Sharma	Chauhan, A., Santhiya, D., Sharma, J. G., (2025). Mechanistic Understanding of Synergistic Bacterial Consortium-Mediated Biodegradation of Nylon-6,6 Microplastics for Sustainable Environmental Remediation. <i>Clean Technologies and Environmental Policy.</i>
7	Prof. Jai Gopal Sharma	Vyas, M., Bhandari, K., Sharma, J. G., (2025). Optimization, simultaneous saccharification and fermentation of Lemna minor using amyolytic cocktail produce from copra meal. <i>Indian Journal of Chemical Technology</i>
8	Prof. Jai Gopal Sharma	Vyas, M., Bhandari, K., Sharma, J. G., (2025). Harnessing green synthesis for bio-ethanol production: Insights from the duckweed (Lamna minor). <i>Biofuels.</i>
9	Prof. Jai Gopal Sharma	Mishra, N., Goel, T., Gangani, N., Chugh, H., Kevadiya, B., Tiwari, M., Singh, S., Sharma, J. G., & Chandra, R., (2025). The virology of Omicron: pathophysiology, immune regulation, and clinical impact of SARS-CoV-2 sub variants. <i>Viral J</i> (2025)
10	Prof. Jai Gopal Sharma	Kumar, N., Singh, C.P., Srivastava, A., Sharma, J.G., Dobriyal, M.J., Behera, B.K. (2025). Aquatic Macrophytes: Used as Fish Nutrition for Sustainable Aquaculture Production. In: Singh, A.K., Kumar, P., Singh, S.S. (eds) Sustainable Agriculture Management in Semi-Arid Climates. Springer, Cham
11	Dr. Asmita Das	Review Article: Managing cancer in autoimmune patients: Overcoming therapeutic challenges and expanding treatment options

S. No.	Faculty Name	Publication
12	Dr. Asmita Das	Book Chapter: Potentiality of advanced nanomaterial based on microorganisms for regenerative medicine; Book: Advances in Microbial Nanotechnology;
13	Dr. Smita Rastogi Verma	Aind, R., Raju, S., Rastogi Verma, S., (2025). Accepted. Microbiome disharmony: A catalyst in breast cancer progression and influencing surgical outcomes. <i>Minerva Biotechnology and Biomolecular Research</i>
14	Dr. Praveen Kumar	Pandey, S., Garg, N., Sinha, G., Kumar, P., & Patni, K., (2025). Randomized Controlled Clinical Trial to Evaluate the Efficacy of <i>Kushmanda avaleha</i> On Immune Function, Serum Antioxidant Levels, and Anthropometric Measurements in Children. <i>Journal of Natural Remedies</i> .

Patents Granted



- Prof. Yasha Hasija, Rajkumar Chakraborty
 Title of Invention: Vending System for Precision Plant Disease Management Through Image Recognition and Automated Pesticide Dispensing.
 Patent No. 571607; Grant Date: October 06, 2025 (Application No. 202411077384)
- Delhi Technological University, Prof. Yasha Hasija, and Akansha Bisht
 Title of Invention: Device for Diagnosis of Inborn Errors of Metabolism (IEM)
 Design No. 461911-001; Issue Date: August 25, 2025.

Prof. Pravir Kumar honored with the Prof. Ch. Radhakrishna Murthy Memorial Award 2025!

We are delighted to share that Prof. Pravir Kumar from our Department received the Prof. Ch. Radhakrishna Murthy Memorial Award 2025. The award was presented during the 39th Annual Meeting of the Society for Neurochemistry India (SNCI) for his research contributions in the field.

SNCI is a constituent society of both the Asian Pacific Society for Neurochemistry (APSN) and the International Society for Neurochemistry (ISN).



Faculty interdisciplinary Research Projects Sanctioned by DTU

Faculty Members	Title
Prof. Yasha Hasija (PI) Prof. Anil Singh Parihar, Dept. of Computer Science and Engineering (Co-PI)	Deciphering the crosstalk between diabetes and cardiovascular diseases through machine learning.
Dr. Navneeta Bharadvaja (Co-PI) Prof. Amit Pal, Dept. of Mechanical Engineering (PI)	Life Cycle Analysis of Algal Biomass
Dr. Asmita Das (PI) Dr. Shilpa Pal, Dept. of Civil Engineering (Co-PI)	Paint-mediated self-healing of cracks by incorporation of Bacteria: A new paradigm in sustainability

Govt. Agency Funded Research Projects

Faculty Member	Funding agency	Title
Prof. Jai Gopal Sharma (PI)	DBT, Ministry of Science and Technology, Govt. of India	Investigations on Micro Nano Plastics (MNPs) Fingerprinting in Cruciferous Truck Crops, In silico Analysis, Probabilistic health Risk Assessment and their Interactions in Brassica oleracea spp.
Dr. Jyotsna Bharti (Prof. Jai Gopal Sharma Mentor)	DBT, Ministry of Science and Technology, Govt. of India	DNA-Free RNP Mediated Genome Editing for Nitrogen-Smart Rice: A Sustainable Approach to Agriculture

Dr. Ankita Secures Prestigious DST INSPIRE Faculty Grant!

Please join us in congratulating Dr. Ankita for being awarded the highly competitive DST INSPIRE Faculty Fellowship from the Department of Science & Technology.

This prestigious grant recognizes Dr. Ankita's exceptional research potential to make a significant impact in her field and our institution's commitment to excellence. It provides vital support for her to pursue independent research and establish her scientific career.



Research Awards Conferred by Delhi Technological University (RIEA-2025)



- Dr. Asmita Das was conferred the Cumulative Citation Award: Silver.
- Yearly Citation Awards were received by Prof. Pravir Kumar, Dr. Navneeta Bharadvaja and Dr. Asmita Das.
- Commendable Research Awards were received by Prof. Yasha Hasija, Jai Gopal Sharma, Prof. Pravir Kumar, Dr. Navneeta Bharadvaja, Dr. Asmita Das, Dr. Smita Rastogi Verma, Dr. Prakash Chandra and Dr. Kriti Bhandari.



Participation in Faculty Development Programmes

- Prof. Yasha Hasija participated in the APEX Virtual Faculty Development Programme on Artificial Intelligence, hosted by Tata Consultancy Services, from 18 August 2025 to 17 September 2025.
- Dr. Smita Rastogi Verma attended the online Faculty Development Programme on 'Empowering Higher Education Institutions in Technology-enabled and Blended Learning', organized by COL-CEMCA in collaboration with Guru Gobind Singh Indraprastha University, New Delhi, from 15 to 19 September 2025.
- All newly recruited faculty members of the Department actively participated in the Faculty Development Programme on 'Course File Preparation and Question Paper Setting based on Outcome-Based Education (OBE)', organized by DTU in association with NITTTR Chennai from 13th to 17th October 2025. The programme played a significant role in strengthening academic practices by familiarizing the faculty with OBE-aligned documentation, assessment design, and quality assurance mechanisms, thereby reinforcing the University's commitment to excellence in teaching and learning.



Memoranda of Understanding (MoUs) Signed

- The Department of Biotechnology, signed an MoU with ICAR– Indian Agricultural Research Institute, New Delhi on 16th April 2025 for promotion of students' training and quality postgraduate and doctoral research in cutting edge areas.
- The Department also signed an MoU with ICAR–National Bureau of Plant Genetic Resources (NBPGR), New Delhi on 3rd November 2025 for long-term collaboration to promote students' training and research.



Curriculum Update

B. Tech Biotechnology curriculum update: the approval of a new Discipline Elective Course (DEC) focusing on Indian Knowledge Systems (IKS)!

We're excited to announce a significant enhancement to our B.Tech. Biotechnology curriculum: the approval of a new Discipline Elective Course (DEC) focusing on Indian Knowledge Systems (IKS). This groundbreaking addition, introduced from the August 2025 academic session, marks a pivotal step in broadening our students' understanding of

traditional Indian Science in biotechnology's vast landscape. This decision reflects our commitment to providing a holistic education that not only delves into cutting-edge scientific principles but also explores the rich legacy of traditional Indian knowledge and its applications in modern biotechnology.

The new DEC course aims to familiarize students with the fundamental principles and practical applications derived from ancient Indian wisdom, demonstrating its relevance to contemporary biotechnological challenges and innovations. Designed to align with the department's established academic format, the course will feature a blend of lectures and tutorials, ensuring a comprehensive and engaging learning experience. Detailed syllabi for the six proposed courses within the DEC basket (Indian Knowledge Systems for Sustainable Biotechnological Innovations, IKS in Healthcare, Diagnostic Synergies: Aligning Vedic and Allopathic Medical Practices, Traditional Knowledge in Agriculture,

IKS in Organic farming: Technical and Sustainable Alternative, Ayurveda and Biotechnology: Scientific Exploration of Traditional Knowledge) are already prepared, promising a diverse exploration of this fascinating interdisciplinary field.

We are proud to lead this initiative, equipping our students with a unique perspective that integrates both current advancements and the profound insights of Indian knowledge. We believe this course will not only enhance their technical skills but also foster a deeper appreciation for diverse knowledge systems in shaping the future of biotechnology.

Unlocking the Future: New Industry Micro-Credential in Next Generation Sequencing

We are thrilled to announce a groundbreaking initiative that will significantly enhance our students' preparedness for the rapidly evolving biotechnology landscape: the introduction of a new Industry Micro-Credential (IMC) Course titled "Certificate Course on Next Generation Sequencing: Methods & Data Analysis." This cutting-edge program, launched in the August 2025 session, is a testament to our commitment to providing industry-relevant education.

This 36-hour, 2-credit blended mode course is designed to immerse our undergraduate students in the critical world of genomics, specifically focusing on Next Generation Sequencing (NGS) technologies and data analysis. It directly addresses the growing demand for skilled professionals in this high-tech sector, aligning perfectly with the University's credit guidelines and the dynamic needs of the industry.

A cornerstone of this exciting venture is our collaboration with Premas Life Sciences Pvt. Ltd. (PLS). Established in 2011, PLS is a leading Indian OEM renowned for introducing game-changing

genomics and cell biology technologies. Their extensive experience, "Made-in-India" solutions, and role as an authorized channel partner for global leaders like Illumina, ensure that our students will receive training that is not only academically rigorous but also deeply rooted in real-world applications. The course will cover essential topics from introduction to genomics and NGS platforms to library preparation, clinical applications, and fundamental data analysis, culminating in a joint certification from DTU and Premas Life Sciences.

This partnership with an industry leader like PLS, boasting over 95 professionals including 20+ PhDs and a pan-India support network, guarantees practical relevance and invaluable insights. We believe this IMC course will equip our students with highly sought-after skills, significantly boosting their career prospects in the burgeoning field of genomics. We eagerly anticipate the positive impact this program will have on our students and the biotechnology community.





Events Organized by the Department

Departmental UG Orientation Programme



Welcome freshers!!

The new academic year was kicked off with the Department of Biotechnology's Orientation Program on July 30th and July 31, 2025 to welcome and guide UG students, into the vibrant world of Biotechnology. The programme unfolded with an introduction by the esteemed HOD, Prof. Yasha Hasija, to the Department's core philosophy, vision and its commitment to fostering innovation and excellence in Biotechnology. Dr. Navneeta Bharadvaja provided detailed overview and intricacies of the UG course structures, ensuring clarity and crucial insights on academic pathways and expectations.

The Day 2, was dedicated to the invaluable experience of our alumni **Dr. Abhishek Saini**. He shared his unique journey and perspectives on how his time and learnings in the Department of Biotechnology shaped his career. His talk provided an exceptional sneak peek to real-world insights and helped students envision the diverse possibilities that a degree in Biotechnology can unlock. The day culminated with a captivating session by **Dr. Deepshikha Satish**, who illuminated the expansive and ever-evolving industrial applications of Biotechnology

and Bioinformatics, showcasing the practical impact of this dynamic field.

The orientation was more than just an introduction; a foundation-laying experience designed to equip the freshers with knowledge, connections, and inspiration. All students participated actively, engaged with our distinguished faculty and alumni, and utilized this unique opportunity to build a strong base for a successful academic year.



Stronger Together: Delhi Technological University Unites for Lung Cancer Awareness

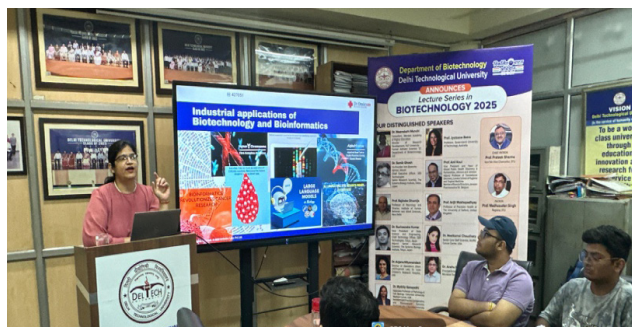
Our Department organized a special lecture on the occasion of **World Lung Cancer Day on 1st August 2025** with the theme *"Stronger Together: United for Lung Cancer Awareness."* The event aimed to highlight the growing global burden of lung cancer, spread awareness about preventive measures, and underscore innovation in research and treatment. The event was graced by Prof. **Prateek Sharma, Vice Chancellor, DTU**, who emphasized the critical role of **research, interdisciplinary collaboration, and community awareness** in addressing one of the most significant health challenges of the century. The HOD, Prof. Yasha Hasija, and convenor Dr. Navneeta Bhardvaja outlined the importance of such events in the department and highlighted the need for Lung



cancer awareness. A keynote address was delivered by **Dr. Ullas Batra**, Director of the Department of Medical Oncology and Chief of Thoracic Medical Oncology at the **Rajiv Gandhi Cancer Institute and Research Centre**, who shared deep insights into the challenges of early diagnosis, latest therapeutic advancements, and the importance of collaborative efforts in combating lung cancer. The event ended with a vote of thanks from Dr. Raman and provided students and faculty members with an excellent opportunity to engage with experts, broaden their understanding, and reaffirm their commitment to contributing to cancer awareness and healthcare innovations.



Department of Biotechnology Welcomes PG Class of 2025



The Department of Biotechnology, DTU, organized an orientation programme for the incoming postgraduate students on 4th August 2025 in the department's committee room. The event marked the beginning of an exciting academic journey with valuable insights about the department's vision and strengths. Prof. Yasha Hasija, Head of the Department, introduced the department and its vision with the new batch. Her address included insights about the department's strong academic foundation, research initiatives, and industry collaboration. Further, she highlighted the department's rich history and commitment to innovation. The Programme Coordinator, **Dr. Asmita Das**, outlined the course structure

and provided details of various post-graduate programmes offered by the department. The orientation also featured an enlightening session by **Prof. Rinu Sharma** from University School of Biotechnology, GGSIP University. She shared her research and also emphasized the promising future and vast emerging opportunities in the field of Biotechnology. This was followed by an inspiring alumni session by **Mr. Bharamjeet Dahiya**, who shared his journey in the field and discussed diverse opportunities for students in sciences, motivating the students to pursue their goals with determination. The event organized by **Dr. Shivani** set the tone for the upcoming academic session, instilling enthusiasm for the new PG batch.



Department of Biotechnology Marks the Birth Centenary of Dr. M. S. Swaminathan



The birth centenary of Dr. M. S. Swaminathan, widely celebrated as the Father of the Green Revolution in India, was commemorated by the Department of Biotechnology on 7th August 2025. The event took place in the Department's committee room and was attended by faculty members and students to honor his contribution to science and society. The programme commenced with an address by Prof. Yasha Hasija, Head of Department, who shed light on the life, work, and ideals of Dr. Swaminathan. Following this, **Dr. Archana Singh** from the Department of Plant Molecular Biology, University of Delhi South Campus, delivered an engaging talk about valuable perspectives on agricultural research and crop development. The cultural segment of the programme featured an enchanting Ganesh Vandana and a thought-provoking skit by students. Further, an online alumni session with **Dr. Rajkumar Chakraborty** gave more insights into the topic. Students actively participated in slogan writing, poster making, and e-poster competitions, showcasing their creativity. The event concluded with a vote of thanks from the event Coordinator, Dr. Ankita.



Independence Day Celebration

The department joined the University and the nation in proudly celebrating the 15th of August, Independence Day. It was a momentous occasion that marked the spirit of freedom, unity, and resilience. The department was beautifully decorated with vibrant tricolors, symbolizing the values of courage, peace, and growth. Creative

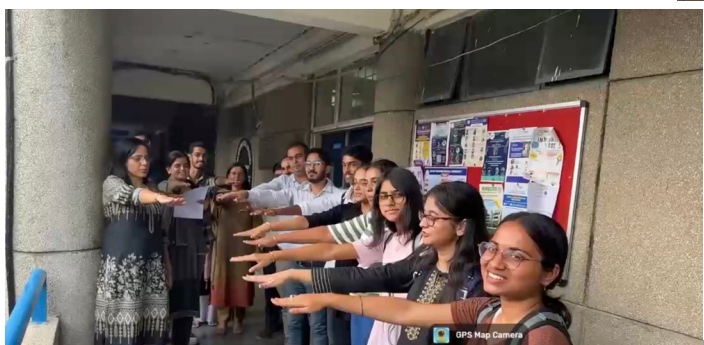
displays by the team led by Dr. Shivani and Dr. Praveen brought alive the pride of our nation's heritage. The department staff and students came together to honor the sacrifices of our freedom fighters, reflect on the responsibilities as citizens, and renew commitments to building a stronger, brighter India.



Gandagi se Azadi

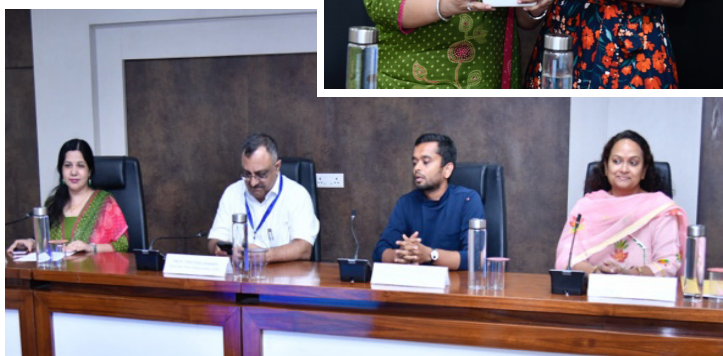
Our department joined the University in successfully conducting the month-long Swachhata Drive in pursuance of the DTTE, reaffirming our collective responsibility towards maintaining a clean and organized workplace. The staff members and students took the Swachhata Pledge, committing to uphold cleanliness and hygiene in both our professional and personal spaces. Participants led by Dr. Mamta and Dr. Ankita actively participated in cleaning office areas, decluttering and organizing workstations,

refreshing laboratory spaces, and tidying up notice boards to ensure clarity and neatness. This initiative not only enhances our work environment but also reflects our dedication to the values of discipline, responsibility, and teamwork. Together, we continue to carry forward the spirit of Swachh Bharat with pride and purpose.



Lecture Series in Biotechnology 2025 (Lectures 5th and 6th)

The Department of Biotechnology organized the fifth and sixth sessions of its Monthly Lecture Series in Biotechnology on 18th August 2025, at Pragyan Hall. The invited distinguished experts shared pioneering insights about biomedical research at the event. **Dr. Sucheendra Kumar**, Vice President of Data Science and Engineering at The Systems Biology Institute, Japan, invited speaker of the day, spoke about the integration of artificial intelligence in biomedicine, focusing on its transformative potential as well as the challenges posed by generative AI, such as algorithmic bias and data privacy issues. The second lecture was delivered by **Dr. Anjana Nityanandam**, Director of Operations at St. Jude Children's Research Hospital, Memphis, Tennessee. Her lecture included groundbreaking research on developing patient-specific human stem cells for the treatment of pediatric brain tumors. Both the lectures highlighted how cutting-edge progress in stem cell research and artificial intelligence is redefining the landscape of medical science. Participants found the lectures highly engaging, as they not only deepened scientific understanding but also encouraged them to think beyond the box to address real-world healthcare challenges.



Exploring the Future of MedTech: Insights from Dr. Arti Tyagi

The Department in collaboration with the Institute Innovation Council (IIC), DTU, and the University's Innovation and Incubation Foundation (DTU-IIF), organized an expert talk on 'Values and Business Fit Challenges and Opportunities in MedTech: Perspective Worldwide' on 28th August 2025.

The distinguished speaker, **Dr. Arti Tyagi**, Product Manager at Getinge, Netherlands, delivered an insightful lecture highlighting the dynamic global landscape of medical technology. She emphasized the importance of innovation, adaptability, and ethical considerations in MedTech businesses. The students were highly intrigued by the advancements in the field and gained valuable exposure to real-world challenges, global opportunities, and futuristic possibilities in medical technology and healthcare entrepreneurship.



Bridging Ancient Wisdom and Modern Science: Department Hosts Symposium on Indian Knowledge Systems in Biotechnology

The Department of Biotechnology hosted a thought-provoking symposium exploring how Indian Knowledge Systems (IKS) can help shape the future of biotechnology and healthcare.

Organized under the esteemed patronage of **Prof. Prateek Sharma**, Hon'ble Vice Chancellor of DTU, and chaired by **Prof. Narendra Kumar**, Registrar of DTU, the event brought together a range of experts and academics. **Prof. Yasha Hasija**, Head of the Department of Biotechnology, welcomed the guests and highlighted the potential of combining ancient wisdom with modern scientific advancements to foster innovation in areas like biotechnology and personalized medicine.

The symposium spotlighted the continued relevance of traditional practices such as Ayurveda, Yoga, and holistic medicine in addressing today's complex healthcare challenges. It also featured an engaging brainstorming session and a panel discussion focused on IKS and the department's elective courses in this area.

Renowned speakers shared their insights on a wide range of topics:

- **Dr. Gautam Sharma** spoke on "Scientific Evidence for Yoga as a Therapeutic Modality in Cardiovascular Diseases."
- **Dr. Ajay Kumar Meena** discussed "Scientific Approaches to Ayurvedic Drug Standardisation: Ensuring Quality and Safety."
- **Dr. Bhavana Prasher** presented on "Ayurgenomics: Bridging the Age-Old Wisdom of Ayurveda with Modern Science and Genomics towards Precision Healthcare."
- **Dr. Rajeshwari Singh** shared her views on "Digitalization and Artificial Intelligence in Traditional Medicine."

The event offered a platform for meaningful dialogue, blending scientific rigor with traditional insights. Participants left with a deeper appreciation for the value of IKS and their potential to inspire innovation and holistic approaches in healthcare, biotechnology, and beyond.





Department Hosts 7th Lecture of the Lecture Series in Biotechnology: Focus on Brain Health and Healthcare Accessibility

The Department of Biotechnology held the seventh session of its Lecture Series in Biotechnology on September 3, 2025, at Vigyan Hall, Administrative Block.

The session featured an engaging and thought-provoking lecture by **Prof. Rajinder K. Dhamija**, Director of the Institute of Human Behaviour and Allied Sciences (IHBAS), Government of NCT of Delhi. **Prof. Dhamija** spoke on the topic, "Brain Health, Brain Economy, and the Need for Accessible, Acceptable, and Available Quality Brain Healthcare in India." His talk underscored the critical role of brain health in shaping both individual well-being and national economic progress, while advocating for inclusive, high-quality healthcare solutions across the country.

The event offered students a valuable opportunity to gain insights from a leading expert in the field,



deepening their understanding of the connections between neuroscience, healthcare equity, and economic development.

Vigilance Awareness Week

The Department actively participated in the University's observance of Vigilance Awareness Week, reaffirming its collective commitment to integrity, transparency, and ethical governance. Through its participation, the Department aligned with the University's broader vision of fostering accountability and promoting a culture of honesty and responsibility in academic and administrative practices. All the employees proactively joined the online google meet in Observance of Integrity Pledge ceremony for Vigilance Awareness Week 2025 on 27th October 2025. The welcome address was delivered by CVO, **Prof T Vijaya Kumar** followed by Opening Remarks by our respected Registrar, **Prof. Narendra Kumar**. All the participants then undertook the pledge led by our HVC **Prof Prateek Sharma**. Subsequently, STEP (Students) performed an engaging and thought-provoking skit. The meet ended by Vote of Thanks delivered by AR (Vigilance), **Sh. Sunil Chhikara**. The following day, the Department observed the Integrity Pledge Ceremony as part of Vigilance Awareness Week 2025 on 28 October 2025 at 1:00 PM in the Committee Room of the Department.



Mega Open House Day

The Department proactively participated in the DTU Mega Open House 2025. The event, held on November 6, 2025, was a successful occasion for Delhi school students (Classes 10-12), offering campus tours, lab visits, and interactions with faculty members, with a focus on science, engineering, and management to inspire future engineers and promote DTU's research and outreach. The overall event



was organized by the Centre for Extension & Field Outreach. Our department showcased the diverse research it houses with the help of experimental demonstrations and models at the stall. Additionally, lab tours and sessions provided the school students with a glimpse into the department's research life and facilities.



Educational Tour to ICGEB, Delhi

The students of our department visited the International Centre for Genetic Engineering and Biotechnology (ICGEB), located within the Jawaharlal Nehru University (JNU) campus, for an academic and industrial exposure visit on November 10, 2025.

The visit aimed to provide students an opportunity to observe advanced biotechnological research and laboratory automation systems, bridging theoretical knowledge with real-world applications.

Students attended expert talks by scientists and post-doctoral researchers.



Diabetes Awareness Programme: Know, Prevent, Control

The Department of Biotechnology commemorated World Diabetes Day on 14 November 2025 by organizing an awareness programme titled Know, Prevent, Control under the leadership of the Hon'ble Vice Chancellor, **Prof. Prateek Sharma**. The event aimed to enhance awareness about diabetes and promote preventive healthcare through a blend of scientific discussions and cultural engagement. Our Head of the Department, **Prof. Yasha**



Hasija, delivered a welcome address followed by opening remarks by the programme coordinator, Dr. Navneeta Bharadvaja.

The event featured expert talks by **Prof. Archana Singh** (AIIMS), who emphasized the importance of lifestyle and behavioral interventions, and **Dr. Malabika Datta** (IGIB), who discussed the biological mechanisms and recent advances in diabetes research. Enriched by an awareness video, quiz competition, and poster presentations,

the programme encouraged active student participation and reinforced the importance of education, research, and collective responsibility in diabetes prevention and management. The event ended with a Vote of thanks by the event Co-Coordinator, **Dr. Ankita**. The top scorers in the quiz competition and poster presentation were awarded first and second positions with cash prizes and certificates.



Eighth Lecture of the Lecture Series in Biotechnology

The Department of Biotechnology organized the 8th lecture of the Lecture Series in Biotechnology on 12 November 2025 at Pragyan Hall. The event was held under the patronage of **Prof. Prateek Sharma**, Hon'ble Vice Chancellor, DTU. The keynote speaker for our Eighth lecture of the series was **Dr. Anshu Bharadwaj**, Senior Principal Scientist, CSIR-IMT Chandigarh. Her talk, titled "Harnessing Data-Driven Approaches to Decode Genotype-Phenotype Correlations with Examples from Antimicrobial Resistance and Mitochondrial Diseases," highlighted the growing role of computational and data-driven methods in

understanding complex biological systems and addressing critical healthcare challenges.

The session was chaired by **Prof. Yasha Hasija**, Head of the Department of Biotechnology, and convened by **Dr. Navneeta Bharadvaja**, Associate Professor, Department of Biotechnology. Faculty members, researchers, and students participated enthusiastically, engaging in insightful discussions following the lecture. The event reinforced DTU's commitment to promoting advanced research, interdisciplinary learning, and meaningful interaction with leading scientists in the field of biotechnology.



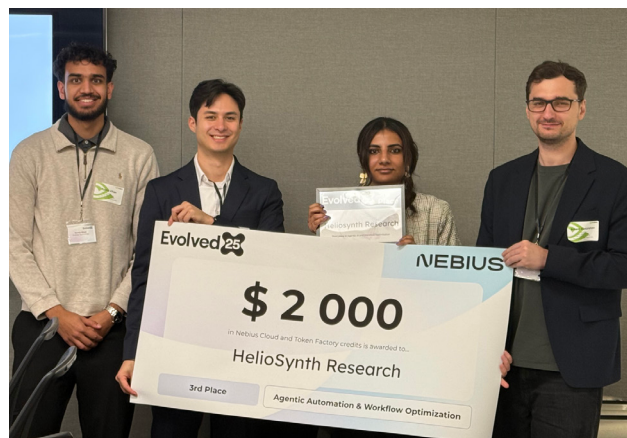


Student's Corner

Celebrating the Success of Our Proud Alumnus Ritika Saha

Ritika Saha, Founder of deep-tech AI lab HelioSynth Research Pvt. Ltd., established in 2025, has recently led the company to strong global traction and recognition. At the AIxBIO Hackathon 2025 organized by Evolved Technology, HelioSynth Research emerged as the 2nd Runner-Up globally in the AI Agents Track, after being shortlisted among the Top 30 global proposals from several entries worldwide. During the hackathon, the team leveraged H100 GPUs to build and experiment on a virtual library of AI agents for oncology, advancing their flagship product DEV AI—a multi-agent AI-powered Clinical Decision Support Platform for oncologists focused on precision, efficiency, and real-world clinical deployment. As part of this achievement, HelioSynth Research received \$2,000 in Nebius tech credits and a special invitation to present its work at NVIDIA's Global Headquarters in Santa Clara. Further strengthening its global presence, the company secured 2nd Position at the prestigious Indo-Japan Conference, organized by IISc Bangalore, Keio University (Japan), India-Japan Lab, and the Indo-Japan Business Council, winning a 30,000 cash prize sponsored by Mphasis Lab. These milestones reflect growing international recognition of HelioSynth Research

work across HealthTech and EdTech. Alongside this, Ritika Saha also serves as Chief Product Officer at Einstein Classes Pvt. Ltd., leading the development of a next-generation EdTech platform with a team of industry professionals. A Vice-Chancellor's Gold Medalist (9.7/10 CGPA), Research Excellence Award recipient, and Merit Scholarship awardee, she began building ML models in Class 10 and has won national and regional level science exhibitions conducted by CBSE, driven by a consistent record of research excellence, execution, and impact—currently focused on building deployable AI tools for clinical decision support in oncology.



A Resounding Congratulations to Our Graduating Classes!

To our incredible final-year students, we're immensely proud to celebrate the culmination of your hard work, dedication, and growth.

You've navigated academic challenges, embraced new skills, and contributed vibrantly to our community. Your resilience and determination have shone through every step of the way. These aren't just academic achievements; they're testaments to your character and readiness for what's next.

As you embark on your future endeavors, carry with you the knowledge, friendships, and invaluable experiences gained here. Your journey has prepared you for success, and we're excited to witness the remarkable impact you'll make.

From all of us, heartfelt congratulations. Go forth and shine brightly!

Roll No.	Name
2K21/BT/01	Abhishek Sharma
2K21/BT/02	Aman Yadav
2K21/BT/04	Anjali
2K21/BT/05	Ankur Thakur
2K21/BT/06	Anurag
2K21/BT/07	Ashu Kumar Thakur
2K21/BT/08	Bhavya Choudhary
2K21/BT/09	Diksha Khatri

Roll No.	Name
2K21/BT/10	Gaurang Dev Jevariya
2K21/BT/11	Harshit Bhardwaj
2K21/BT/12	Hutashan Solanki
2K21/BT/13	Jalagam Saikiran
2K21/BT/14	Kanishka Sapra
2K21/BT/15	Kartik Kushwaha
2K21/BT/16	Katyayani Agarwal
2K21/BT/17	Krish Kumar
2K21/BT/18	Lalit Singh
2K21/BT/19	Mihit Shree
2K21/BT/20	Muskaan Jasraj
2K21/BT/22	Nishant Yadav
2K21/BT/23	Parth Aggarwal
2K21/BT/24	Prajakta Tiwari
2K21/BT/25	Priyanka Vashist
2K21/BT/26	Rahul Mohan
2K21/BT/27	Raj Devanshu
2K21/BT/28	Raman Aind
2K21/BT/29	Richel Trisha Munshi
2K21/BT/30	Saarthak Verma
2K21/BT/31	Samved Dubey
2K21/BT/32	Sanskar Srivastava
2K21/BT/33	Satyam Singh
2K21/BT/34	Saurabh Saini
2K21/BT/35	Shashank Shonak
2K21/BT/36	Shivam Raju
2K21/BT/37	Shreesh Kumar Shukla
2K21/BT/38	Siddarth Malik
2K21/BT/40	Sunny Kumar
2K21/BT/42	Vishal Prajapat
2K21/BT/43	Yash Singh
2K22/BT/506	Kartik
2K22/BT/507	Krishna Nand Yadav
2K22/BT/508	Prakash Kumar Sharma
2K22/BT/510	Sara Sharma
2K22/BT/513	Ankit Arora
2K22/BT/514	Harsh Pathak
2K22/BT/515	Pallavi Sharma
2K22/BT/516	Shivani
2K22/BT/517	Tushar Kumar Das
2K22/BT/518	Upasana Sharma

Roll No.	Name
23/MSCBIO/01	Aashi Barwal
23/MSCBIO/02	Abhilipsa Bhoi
23/MSCBIO/03	Ahana Banerjee
23/MSCBIO/08	Anjali Tiwari
23/MSCBIO/09	Anjani
23/MSCBIO/10	Ankita Roy
23/MSCBIO/11	Apurva
23/MSCBIO/12	Ashish Kumar Sharma
23/MSCBIO/14	Ayushi Singh
23/MSCBIO/16	Bidishna Basumatary
23/MSCBIO/18	Deepali Dhyani
23/MSCBIO/19	Divya
23/MSCBIO/20	Eshaa Basumatary
23/MSCBIO/21	Harsh Vardhan
23/MSCBIO/24	Kalyani Majhi
23/MSCBIO/25	Kaushiki
23/MSCBIO/26	Khushboo
23/MSCBIO/27	Khushi
23/MSCBIO/28	Khushi Garg
23/MSCBIO/29	Megha Shah
23/MSCBIO/31	Nikhil Chopra
23/MSCBIO/32	Nikita Shaw
23/MSCBIO/33	Nishi Nikita Hembrom
23/MSCBIO/34	Nishita Singh
23/MSCBIO/37	Pinki
23/MSCBIO/38	Prachi Panchal
23/MSCBIO/40	Ram Avtar Singh
23/MSCBIO/41	Ravishankar Kumar
23/MSCBIO/42	Rounak Tailor
23/MSCBIO/44	Shreya Kohli
23/MSCBIO/48	Srishti Satija
23/MSCBIO/55	Vaishnavi Juneja
23/MSCBIO/57	Anshita
23/MSCBIO/58	Anushka Mishra
23/MSCBIO/59	Ambika Singh
23/MSCBIO/60	Manish Harariya
23/MSCBIO/61	Shriti Behura
23/MSCBIO/62	Tannu Yadav
23/MSCBIO/66	Ravi Raj Anand
23/MSCBIO/67	Mugdha Sharma
23/MSCBIO/70	Vishwajeet Aman
23/MSCBIO/71	Aayush Ratna Bajpai
23/MSCBIO/73	Shikha Mishra

Roll No.	Name
23/MSCBIO/74	Isha Prabhakar
23/MSCBIO/76	Jaya Dwivedi
23/MSCBIO/77	Gaurav Boruah
23/MSCBIO/78	Divya Sharma
23/MSCBIO/79	Preeti
23/MSCBIO/80	Sneha
23/MSCBIO/81	Asfiya
23/MSCBIO/82	Nishant Singh
23/MSCBIO/83	Eshita
24/MSCBIO/14	Ayushi Singh

Roll. No.	Name
23/BIO/01	Somya Parashar
23/BIO/02	Khushi Bhatia
23/BIO/03	Swarnima Srivastava
23/BIO/04	Tanmay Rohilla
23/BIO/05	Devanshi Sharma
23/BIO/06	Harshita Thakur
23/BIO/07	Akshay Hatwal
23/BIO/11	Yogita Bhatt
23/BIO/12	Bhavukta Virmani

Futures Sealed: Celebrating Our Final-Year Students' Next Steps



As our 2021 batch students' academic journey here comes to a close, we're thrilled to celebrate the significant strides many have already made in securing positions. Additionally, our final-year students have also started securing their future jobs.

Whether it's diving into the professional world or continuing their academic pursuits, these achievements are a testament to years of hard work and dedication. You're ready to make your mark. Embrace every challenge, learn from every experience, and continue to pursue your passions.

Roll No.	Name	Placement / Higher Studies
2K21/BT/02	Aman Yadav	InterGlobe Aviation Limited
2K21/BT/04	Anjali	Quantacus.ai
2K21/BT/06	Anurag	Metalbook
2K21/BT/11	Harshit Bhardwaj	Axxela
2K21/BT/14	Kanishka Sapra	FNZ
2K21/BT/15	Kartik Kushwaha	Synapse Biopharma
2K21/BT/18	Lalit Singh	Fractal Analytics
2K21/BT/19	Mihit Shree	The Catalysts Group
2K21/BT/36	Shivam Raju	Syneos Health
2K21/BT/38	Siddarth Malik	Bain Compatibility Network (BCN)
2K21/BT/16	Katyayani Agarwal	Masters in Genomic Medicine at Imperial College London
2K21/BT/24	Prajakta Tiwari	M.Tech at IIT Roorkee
2K21/BT/37	Shreesh Kumar Shukla	M.Tech. at IIT Roorkee
24/MSCBIO/13	Tanu Paliwal	Bosch
24/IBT/10	Shubhika	Bosch

Interns on the Rise: Celebrating Our Students' Professional Leaps



We're thrilled to celebrate the drive and initiative of our students who have successfully secured internships! Internships offer invaluable real-world experience, allowing students to apply classroom knowledge, develop new skills, and explore potential career paths.

To all our students embarking on these exciting opportunities, we commend your ambition. Make the most of every learning moment, build your networks, and embrace the challenges.

Roll No.	Name	Internship
2K21/BT/16	Katyayani Agarwal	IIT Delhi
2K22/BT/05	Anagh Aditya	Molecular Parasitology Intern at IBAB
2K22/BT/28	Parth Jain	Intern at ICMR-National Institute of Malaria Research
2K22/BT/29	Parth Sharma	INMAS Research Intern
2K22/BT/51	Shreya Sinha	Molecular Internship in FORTIS HOSPITAL, Gurgaon
2K22/BT/53	Soham Sheemar	INMAS, DRDO Research Intern
23/BT/508	Sameer Khan	INMAS, DRDO Research Intern
23/BT/63	Samihan Sharma	1. IIT Bombay Internship (Nanobios Lab); 2. Rapture Biotech Internship (Molecular diagnostics)
23/BT/75	Yashashvi Verma	Business and Product internship at Acumen Bay Consultancy Limited, working on the CRM module of SymplERP, including one month at their London office
23/BT/105	Rishabh Mohan Sinha	1. CSIR-IGIB (collaboration with Indian Airforce) - Clinical Bioinformatics 2. DRDO-INMAS Biomedical Data by Deep Learning
23/BT/110	Vannsh Jain	Internship : Study of Functional Genes in Soil using Molecular Techniques, at Department of Botany, University of Delhi
23/BT/113	Yash Maheshwari	CSIR-IGIB Internship (With Indian Airforce) - Data analyst
2K22/BT/44	Sakshya Singh	Regulatory Affairs department at Panacea Biotech
24/MSCBIO/16	Nishika Sharma	School of Biotechnology, Jawaharlal Nehru University.
2K21/BT/06	Anurag	Metalbook, Gurugram
2K22/BT/018	Karanbir Singh Pahwa	Growth and SEO intern at Pehchaan - The Street School - Trust
2K21/BT/38	Siddarth Malik	Bain Capability Centre India Pvt. Ltd., Gurugram
23/BT/035	Krishna Singhal	School of Biomedical Engineering, IIT-BHU.
23/BT/86	Anvesha Srivastava	1. Defence Institute of Physiology and Allied Sciences (DIPAS), DRDO 2. Franchise Model Intern at RentOk 3. Venture Wolf
24/IMSBIO/09	Bhavya Sharma	Biopractify
24/IBT/012	Pradeep Patel	CORE DIAGNOSTICS, GURUGRAM
2K22/BT/22	Kritya Singhal	1. IISER Bhopal 2. IIT Hyderabad 3. OSAKA UNIVERSITY, JAPAN
	Prayash Pandey	McKinsey & Company
24/IBT/010	Shubhika	HITLAB (HEALTHCARE INNOVATION AND TECHNOLOGY LAB), NEW YORK, USA, for DELPHI RESEARCH PROGRAM
24/MSCBIO/32	Insha Rizwan	Bosch
24/MSCBIO/13	Tanu Paliwal	Bosch
24/IBT/10	Shubhika	Bosch

Celebrating Student Stars!

A spotlight on our incredible students and their achievements! From academic triumphs to amazing feats in sports, arts, and community service, your dedication truly inspires us.

Every hour of study, every act of teamwork, and every personal hurdle overcome builds character

and shapes a brighter future. Your hard work lights up our community.

To all our students reaching for the stars: we see you, we celebrate you, and we're immensely proud. Keep reaching for your best!

Roll No.	Name	National Competitive Exams Qualified
2K21/BT/16	Katyayani Agarwal	GATE BT 2025
2K21/BT/24	Prajakta Tiwari	GATE BT 2025
2K21/BT/36	Shivam Raju	GATE BT 2025
2K21/BT/37	Shreesh Kumar Shukla	GATE BT 2025
2K22/BT/29	Parth Sharma	GATE – Rank 683
24/MSCBIO/02	Daanish Vij	CSIR-UGC NET Life Sciences 2025 - Rank 66
24/MSCBIO/11	Lakshay Virmani	CSIR-UGC NET Life Sciences 2025 - Rank 76
24/MSCBIO/42	Ajit Gautam	CSIR-UGC NET Life Sciences 2025 - Rank 123

Roll No.	Name	Achievement / Award
23/BT/63	Samihan Sharma	Best BPP (Business Plan Presentation): IRC (International Rover Competition)
23/BT/76	Anuksha Sandeep Dhoptey	2 nd position in Business Plan Presentation along with Team Defianz Racing at Formula Bharat 2025 & Finalist in Engineering Design Presentation in the same event
23/BT/96	Kanwar Harshvardhan Singh	2 nd position in AAVAHAN Basketball tournament and SPREE By BITS Goa

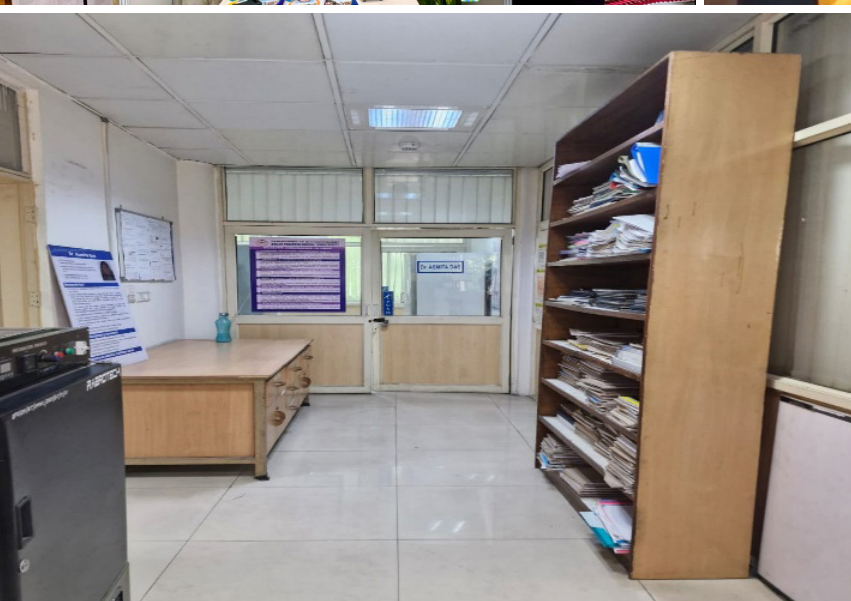
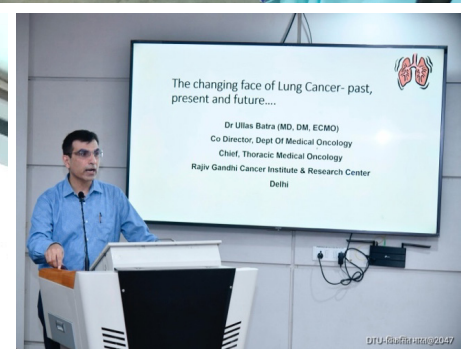
Name	Conference Participation and Publication Details
Vaishaly	Published a research paper in an international conference titled “Ethical consideration and responsible AI in Bioinformatics” (2025)
Harshit Bhardwaj and Siddarth Malik	Bhardwaj H, Malik S, Rastogi Verma S (2025) Application of artificial intelligence in neurodegenerative diseases: Advancement in diagnosis, management and treatment for Huntington’s disease and Parkinson’s disease. Grenze International Journal of Engineering and Technology, 11(2): Grenze ID: 01.GIJET.11.2.900_21, pp. 5497-5502 [GRENZE Scientific Society]
Sneha and Esha	Sneha, Esha, Rastogi Verma S (2025) <i>In silico</i> analysis of protein-excipient interactions: A molecular docking study on therapeutic IL-11. Grenze International Journal of Engineering and Technology, 11(2): Grenze ID: 01.GIJET.11.2.718_21, pp. 5415-5419 [GRENZE Scientific Society]
Lakshay Virmani and Simran Kumari	Virmani L, Kumari S (2025). Beyond Generalized Treatment: The Future is Personalized Medicine. Emerging Trends in Personalized Medicines. 02(02)

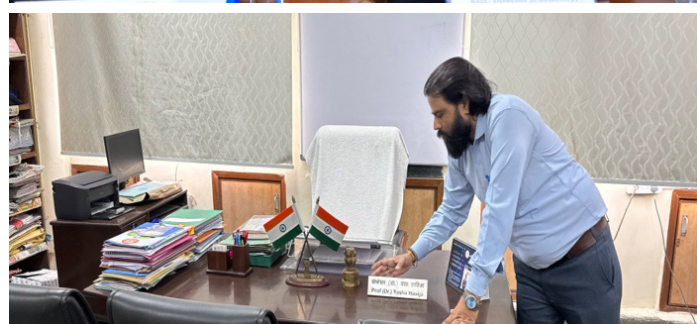
Research Excellence Award Conferred by DTU (RIEA-2025)	Names of Students / Alumni
Commendable Research Excellence Award	Anuradha; Asmita Kumari; Khyati Joshi; Madhulika Singh; Megha Bansal; Megha Kumari; Neha Tiwari; Priya; Rahul Tripathi; Raksha Anand; Rohan Gupta; Roopal Pal; Simran Kaur; Smita Kumari; Sudhanshu Sharma



PHOTO GALLERY













Department of Biotechnology
Delhi Technological University

Shahbad Daulatpur, Bawana Road, Delhi-110042