NOVEMBER 2026

WOXSEN UNIVERSITY

TECH CHRONICLES

School Of Technology





Vice President's Note

"Leadership is not simply about reaching the destination; it is about inspiring others to move forward with you. In a world driven by technology and constant change, great leaders turn ideas into action, challenges into opportunities, and innovation into lasting impact."

Vice Chancellor's Note

"Education is not merely about acquiring knowledge; it is about empowering individuals to think beyond boundaries, embrace challenges, and create meaningful change. In an era shaped by innovation and transformation, our responsibility is to nurture young minds who are not only prepared for the future but are also capable of shaping it with purpose, excellence, and vision."





SOT Vice Dean's Note

"Technology has the power to transform possibilities into realities, but true innovation begins with curiosity, creativity, and the courage to explore the unknown. As we prepare the next generation of technology leaders, we must encourage them to learn continuously, innovate responsibly, and use their knowledge to create solutions that make a meaningful impact on society."

Campus Recruitment Drives Bring Industry Opportunities to Students



Campus recruitment drives allow students to engage directly with employers and gain first-hand experience of selection procedures in a familiar academic setting. They also provide organisations with an opportunity to connect with the talent being developed at the School. The School congratulates the students selected through the Aavira Digital drive and wishes all participants success in future recruitment opportunities

The School of Technology hosted two campus recruitment drives in October, providing students with opportunities to engage with prospective employers and participate in company selection processes.

Aavira Digital conducted its campus drive on 28 October 2026, through which two students were selected. Hashira held its campus drive on 12 October 2026, giving participating students an opportunity to interact with the company and experience its recruitment process.

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Three Final-Year Students Placed at ModMed India with a ₹15 LPA Package

Three final-year students of the School of Technology—R. Likhith Avinash, Ch.Pushpak Hanish and R. Mallikarjun Reddy—have secured placements at ModMed India, each with a package of ₹15 LPA.

The students were shortlisted through the ModMed India Campus Hiring Drive conducted on 3 October 2026.

Their selection marks an important step as they prepare to move from university into professional roles. The outcome also reflects the students' sustained preparation and the support provided by faculty during the placement process.

The School of Technology congratulates Likhith, Pushpak and Mallikarjun Reddy on their placements and wishes them success in their professional journeys.

Hello Team,

Greetings from ModMed!

We are pleased to share the details of the students who have been shortlisted follo
ModMed India Campus Hiring Drive conducted on **3rd October 2026**.

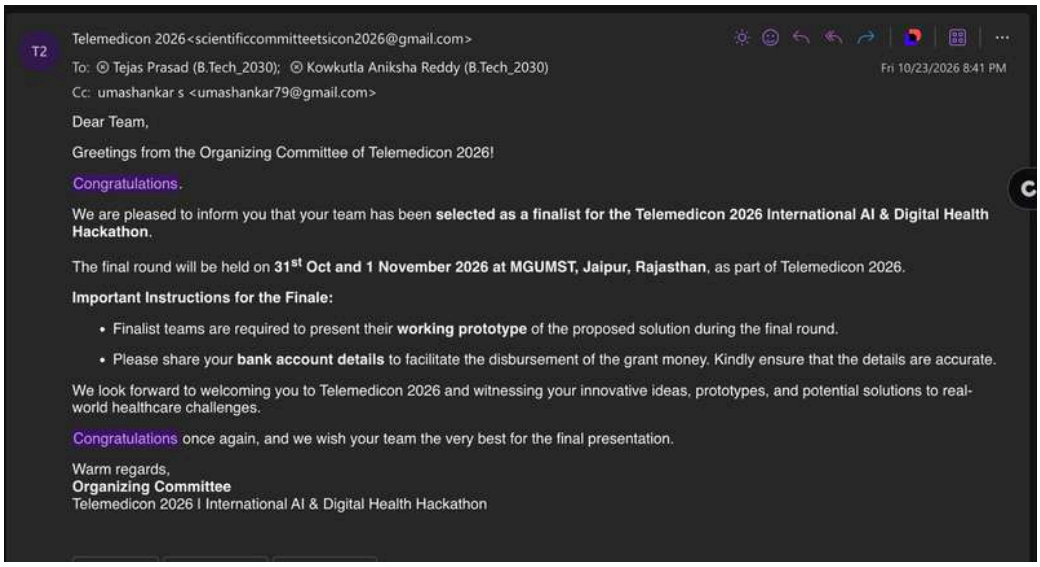
Please find the shortlisted student details below for your reference. We request you
the results with the respective students.

Student Name
R.Likhith Avinash
Ch Pushpak Hanish
R.Mallikarjun Reddy

Our team will directly reach out to the shortlisted students regarding the **document co
process and the next steps**.

Please feel free to reach out to us if you have any questions or need additional inforr

Woxsen Students Selected as Finalists at TELEMEDICON 2026



Telemedicon 2026<scientificcommitteetsicon2026@gmail.com>
To: Tejas Prasad (B.Tech_2030); Kowkutla Aniksha Reddy (B.Tech_2030)
Fri 10/23/2026 8:41 PM
Cc: umashankar s <umashankar79@gmail.com>

Dear Team,

Greetings from the Organizing Committee of Telemedicon 2026!

Congratulations.

We are pleased to inform you that your team has been **selected as a finalist for the Telemedicon 2026 International AI & Digital Health Hackathon**.

The final round will be held on **31st Oct and 1 November 2026 at MGUMST, Jaipur, Rajasthan**, as part of Telemedicon 2026.

Important Instructions for the Finale:

- Finalist teams are required to present their **working prototype** of the proposed solution during the final round.
- Please share your **bank account details** to facilitate the disbursement of the grant money. Kindly ensure that the details are accurate.

We look forward to welcoming you to Telemedicon 2026 and witnessing your innovative ideas, prototypes, and potential solutions to real-world healthcare challenges.

Congratulations once again, and we wish your team the very best for the final presentation.

Warm regards,
Organizing Committee
Telemedicon 2026 I International AI & Digital Health Hackathon

Tejas Prasad (B.Tech – BIC) and K. Aniksha Reddy (B.Tech – Data Science) have been selected as finalists in the TELEMEDICON 2026 International AI & Digital Health Hackathon for their project, “Clover”. Their selection places the team among the finalists invited to present a working prototype at the event’s Grand Finale.

The preliminary round was evaluated by a jury comprising Dr. Uma Nambiar and Dr. Uma Shankar of the Indian Institute of Science (IISc), Bengaluru, and Dr. Rajesh Kumar K V of Woxsen University.

The Grand Finale was scheduled for 31 October to 1 November 2026 at Mahatma Gandhi University of Medical Sciences & Technology (MGUMST), Jaipur, Rajasthan

Finalist teams were to present their working prototypes at the event. Tejas and Aniksha were also awarded a travel grant to support their participation.

Their selection highlights the potential of student-led innovation to engage with practical challenges in healthcare through artificial intelligence and digital technologies. The School of Technology congratulates Tejas and Aniksha on reaching the final stage and wishes Team Clover success.

Student Receives Two Job Offers, at ₹12 LPA and ₹9 LPA

Harsh Batra, a student of the School of Technology, has received job offers from two companies, with packages of ₹12 LPA and ₹9 LPA. Receiving offers from two organisations gives him an opportunity to consider the roles available as he takes the next step towards his professional career.



Ikan Upievel Technologies Private Limited

{ik} INTERVIEW KICKSTART

15 December 2025

Harsh Batra

C/O Gulshan Batra, 3-6-161 F No-504 Legend 3 Apts, ST No-22 Himayath Nagar, VTC: Himayathnagar, PO: Hinayathnagar, Sub District: Himayathnagar, District: Hydrabad, State: Telangana, PIN Code: 500029

Dear Harsh Batra,

We are pleased to offer you a position of **Junior Program Advisor** with Ikan Upievel Technologies Private Limited, hereinafter referred as "IKAN" or "Company" or "Employer". This offer of employment is for a regular, full-time position at IKAN. Please note that the terms of employment detailed in this document (the "Offer Letter") and / or the annexures to this Offer Letter are confidential. The contents of these documents should not be disclosed to third parties without the prior approval from IKAN.

1. Compensation

- **Salary / Benefits During Probation:** During the Probation period, your annual fixed salary, including the employer's contribution to the Provident Fund, will be ₹ 345,600.00 (Rupees **Three Lakh Forty Five Thousand Six Hundred** Only). A detailed break-up of your salary is set out in Annexure - A. During this period, you will also be eligible to participate in all employee benefits extended by IKAN as per company policy.
- **Post Probation Compensation:** Upon successful completion of the probation period, your annual CTC will be INR 960,000 (Rupees **Nine Lakh Sixty Thousand** Only), distributed as below. A detailed break-up of your revised compensation and incentive structure is provided in Annexure B.
  - Annual fixed salary, including the employer's contribution to the Provident Fund, will be INR **600,000** (Rupees **Six Lakh** Only)
  - **Performance Bonus:** You will also be eligible to receive variable compensation of INR **360,000** (Rupees **Three Lakh Sixty Thousand** Only) per annum, payable on a periodic basis in accordance with IKAN's Variable Compensation Plan or such other policy as may be prescribed by IKAN from time to time. Such variable compensation shall be performance-linked, and the quantum payable shall be determined based on an evaluation of your individual performance in accordance with the applicable criteria and discretion of the team management, subject to the terms of the prevailing plan. The actual amount disbursed may vary based on performance outcomes and is uncapped, allowing for the opportunity to earn beyond the indicative amount stated above.

2. Employment Agreement and Terms and Conditions of Employment

Business Address: Samrah Plaza, St Marks Road, Awfis Space Solution Pvt Ltd, Shantala Nagar, Ashok Nagar, Bengaluru- 560001
E-mail ID: finance@interviewkickstart.com; Phone: +91 98217 09741

The achievement reflects the value employers place on the skills and preparation that students bring to the recruitment process. It also marks the culmination of Harsh's efforts as he moves towards the transition from campus to the workplace.
The School congratulates Harsh on receiving both offers and wishes him the very best as he begins his career.



The Holidays Group - A Unit of Bandevi Holiday Private Limited

HUMAN RESOURCES | EMPLOYMENT DOCUMENT | REV 1.0

LETTER OF OFFER

Harsh Batra

IT Sales

SUBJECT: EMPLOYMENT OFFER

Dear Harsh Batra,

We are pleased to offer you employment as IT Sales with The Holidays Group - A Unit of Bandevi Holiday Private Limited. The terms below have been reviewed and approved by Human Resources and management and form the basis of this offer.

EMPLOYMENT PARTICULARS

Role / department	IT Sales / IT Sales
Reporting manager	Prachi Pandey
Employment / arrangement	Full-time / Remote
Primary work location	India
Proposed joining date	2026-10-01
Working schedule	Monday to Saturday, 9:30 AM to 6:30 PM
Probation	6 months
Notice period	30 days after confirmation, subject to applicable law
Offer valid until	2026-10-02

APPROVED COMPENSATION

ANNUAL CTC	MONTHLY GROSS	EST. TAKE-HOME
INR 12,40,000.00	INR 99,616.69	INR 97,816.69

IMPORTANT CONDITIONS

- This offer is conditional on document and reference verification, required company approvals, and acceptance of applicable company policies.
- Compensation is subject to lawful payroll deductions, attendance, tax declarations, and statutory eligibility. Estimated take-home is not a tax guarantee.
- Employment remains subject to satisfactory verification and applicable company policies. Use the secure offer-response link to accept, request changes, or decline before expiry.

FOR Bandevi Holiday Private Limited

Surya Kant Jha

Harsh Batra 09/26/2026

CANDIDATE

Signature and date

PRIVATE & CONFIDENTIAL | PAGE 1 OF 1

Woxsen Team Ranks Among the Top 10 at Microsoft's Hack with Hyderabad 3.0

A team of B.Tech students from the School of Technology secured a place among the Top 10 teams at Hack with Hyderabad 3.0, hosted at Microsoft's office in Hyderabad on 8 October 2026. The scale of the competition makes the achievement notable: more than 3,500 teams applied, while around 70 teams were selected to participate.

The team presented ORVIN AI, an autonomous pre-flight CI/CD and MLOps platform designed to identify risks in machine learning and AI deployments before they reach production. The platform analyses changes to code and ML pipelines, draws on episodic memory to learn from previous incidents, and identifies potential risks that could affect production systems. It also explains the likely impact of a change and assists with automated remediation, supporting safer deployment processes.



Other School of Technology students who participated in the hackathon included Atharva Kanojia and Jaydeep Uday Gunji, both second-year B.Tech students, who received certificates of participation. The team expressed its appreciation to the organisers and mentors for the experience. The School congratulates all the participants on their efforts and achievement.

Placement Training Prepares Students for the Recruitment Season



Alongside campus recruitment activities, the School of Technology continued its efforts to prepare students for the different stages of the hiring process through focused training sessions. These initiatives aim to familiarise students with recruitment assessments and strengthen the communication skills required in professional selection settings.

A company-specific examination training session was conducted for the Zelis recruitment process. The session helped students become familiar with the format and expectations of the assessment, giving them an opportunity to prepare with the recruitment process in mind.

On 23 October 2026, Mr. Anurag Mishra, Executive Coach and Leadership & Sales Facilitator, led a session titled “Communicating Effectively in the Marketplace: Group Discussions and Personal Interviews” as part of the Woxsen Leadership Series. The session focused on communication skills relevant to two important stages of recruitment: group discussions and personal interviews.

The School encourages students to participate actively in such training opportunities and make use of the guidance as they prepare for upcoming recruitment processes.



Woxsen Students Win Top Prizes at Pragathi Project Expo 2.0 and Tri-City AI Hackathon

Students of the School of Technology secured top honours at two competitions held in Warangal in October, showcasing projects and ideas developed around real-world challenges.

At Pragathi Project Expo 2.0, a national-level expo organised by SR University, Warangal, on 9 October 2026, 18 students from B.Tech (second and third year) and BCA (second year) presented five project teams. Dr. Nagaraju Dharavat, Associate Professor, School of Technology, mentored and accompanied the students. The projects received support from the IoT Lab and the Robotics Lab. Second-year B.Tech students Aaditi Pavankumar Chougule and Antara Shirawdekar won Second Prize in the Overall Category, receiving a cash award of ₹25,000. A five-member team comprising Balla Hruthikvardhan, Bandi Charvi Yadav, Sai Nischal Daruri, Cheemalapati Sriveda and Koushal Kataram won First Prize in the Theme-Based Category, along with a cash prize of ₹5,000. Maganti Venkata Vishwaksena, a second-year B.Tech student, was also among the Woxsen participants.

Continuing this success, a Woxsen team won First Prize in the Innovative Theme Category at the Tri-City AI Hackathon 2026. Organised by Centle India Group with KITS Warangal, the 36-hour hackathon took place on 10 and 11 October 2026. The winning team comprised Maganti Venkata Vishwaksena, Aryan Baswapur, Anisha Zoe Mally and Sarabjyot Singh Jassal.



The results reflect the students' efforts in developing and presenting their ideas in competitive settings. The School congratulates all the winners and their mentor on these achievements



Dr. Nagaraju Dharavat Publishes Three Papers in IEEE Conference Proceedings

Dr. Nagaraju Dharavat, Associate Professor, School of Technology, has had three research papers published in the proceedings of the 2026 IEEE International Conference on Recent Advances in Electronics, Communication, Computing, Automation and Power (RECCAP). The papers were presented at IIT Palakkad, with each paper co-authored by a different set of collaborators.



The three published papers are:

- “Experimental Analysis of Modified High-Gain DC Circuit for H2 Vehicle with Adaptive ANFIS Controller”
- “Application of the Variable Step Rao Controller for Solar Battery Charging-based Electric Vehicle”
- “A Novel Cuk DC-DC Converter for Sunlight Smartgrid Systems with Metaheuristic Controller: An Experimental Analysis”

The publications contribute to research in areas spanning electric vehicle technologies, solar energy systems and power electronics. The School of Technology congratulates Dr. Dharavat on this research achievement.







Dr. S. Bhanu Prakash Publishes Scopus-Indexed Book Chapter on AI and Prompt Literacy



Dr. S. Bhanu Prakash of the School of Technology has published a Scopus-indexed book chapter with IGI Global Scientific Publishing. Titled “Institutional Policies for AI and Prompt Literacy for Introducing Industry-Relevant Content in the Curriculum”, the chapter appears in the volume Implementing Prompt Literacy in Higher Education.

Co-authored with colleagues from DIT University and Woxsen University, the chapter explores the importance of institutional policies for integrating AI and prompt literacy into higher education curricula. Its focus on introducing industry-relevant content brings attention to the role of structured institutional approaches in preparing students for an evolving technological and professional landscape.

The School of Technology congratulates Dr. Bhanu Prakash and his co-authors on this scholarly contribution.



Woxsen University Signs MoU with Bell Techlogix to Explore AI Collaboration

Woxsen University has signed a Memorandum of Understanding (MoU) with Bell Techlogix, marking a step towards strengthening collaboration between industry and academia in technology and innovation.

As part of the engagement, representatives from Bell Techlogix interacted with students at a Student Project Expo, where they explored projects, ideas and technology-driven solutions developed by students.





The collaboration is expected to open avenues for initiatives in Artificial Intelligence (AI), including the proposed establishment of an AI Centre of Excellence (CoE) at Woxsen University. The proposed initiative could facilitate industry-led projects, AI-focused learning opportunities, internships, mentorship, research and innovation activities, and skill development for students and faculty.

The partnership aims to create opportunities for engagement between the university and the industry in emerging technology areas.

Final-Year Student Becomes a Microsoft Student Ambassador

Monishwar Reddy Vardireddy, a final-year student of the School of Technology, has been named a Microsoft Student Ambassador for 2026. The recognition places him among members of the global Student Ambassadors community.

The programme provides a platform for students to engage with the wider Microsoft student community. Monishwar's selection acknowledges his hard work and dedication, and marks an achievement during his final year at the university.

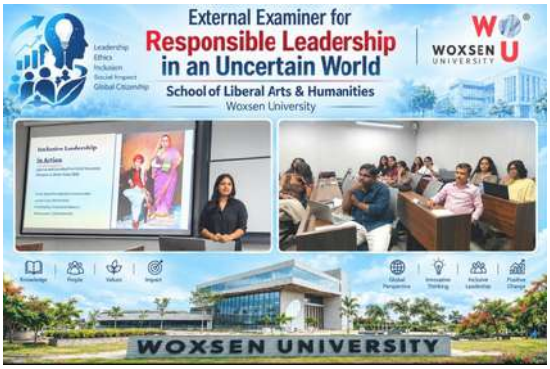


The School of Technology congratulates Monishwar on this recognition and wishes him the best in making the most of this opportunity.

Dr. Sanjai Prasad Rao Serves as External Examiner for Responsible Leadership Course

Dr. Sanjai Prasad Rao of the School of Technology served as External Examiner for the course Responsible Leadership in an Uncertain World at Woxsen University's School of Liberal Arts & Humanities.

Such interactions across disciplines create opportunities to consider questions of leadership in relation to technology, ethics and society.



Dr. Nagaraju Dharavat Attends Bharat Renewable Energy Summit 2026

Dr. Nagaraju Dharavat, Associate Professor, School of Technology, attended the Bharat Renewable Energy Summit (Bharat RE Summit) 2026 as a delegate at Bharat Mandapam, New Delhi.

The summit was inaugurated by Prime Minister Narendra Modi and brought together representatives from more than 130 countries. The scale of participation provided a forum for engagement with perspectives and developments from across the renewable energy sector.





Participation in such platforms helps faculty remain connected with developments in their respective fields and brings wider industry and policy conversations into the academic environment. The School values opportunities for faculty to engage with national and international forums relevant to emerging areas of technology.

Woxsen University Signs Three-Year MoU with XPO



Woxsen University has signed a three-year Memorandum of Understanding (MoU) with XPO, a leading asset-based less-than-truckload (LTL) freight transportation provider in North America, to strengthen industry-academia collaboration.

Under the partnership, students will have access to merit-based trainee programmes, live industry projects, internships, industry visits and a preferred recruitment slot.

These opportunities are intended to provide students with exposure to industry practices and potential career pathways.

The collaboration will also include industry-led modules, guest lectures and executive education programmes, with a focus on developing practical skills and preparing students for the workplace.

Dr. Rakesh Kumar Gupta Named Among World's Top 5% Scientists and Publishes in a Q1 Journal

Dr. Rakesh Kumar Gupta, Assistant Professor, School of Technology, has been recognised among the World's Top 5% Scientists in the 2025 SciRank Global Registry. The recognition acknowledges his research contributions across food engineering, starch modification, sustainable packaging and post-harvest technology.



In addition to this recognition, Dr. Gupta has published a review titled "Sustainable Food Packaging Reinforced by Bee-Derived Bioactives and Biopolymers" in Discover Sustainability, published by Springer Nature. The journal is a Q1 journal with an impact factor of 5.2. The review was published on 7 October 2026.



The study explores the potential of bee-derived bioactive compounds and biopolymers in creating sustainable, biodegradable food packaging materials with improved antimicrobial and antioxidant properties, while helping preserve food quality.

The School congratulates Dr. Gupta on the recognition and publication.

More Student Achievements

Students of the School of Technology continued to earn recognition through skill-development initiatives, awareness activities and competitions during the period.

Arnav Jain, a second-year B.Tech student, received a Certificate of Achievement from IBM SkillsBuild for his commitment to professional excellence in web development fundamentals. The certificate recognises his engagement with learning in an area relevant to the development of technical skills.



Varshini Yadav Nasaram, a fourth-year B.Tech student (Data Science), received a Certificate of Achievement for her performance at the NASIKO Build-a-thon, held on 3 October 2026.

Masira Khalil Sayyed, a second-year B.Tech student (Data Science), participated in Quiz 2 on Cyber Hygiene Practices, organised as part of National Cybersecurity Awareness Month 2026. The quiz was jointly organised by the Indian Computer Emergency Response Team (CERT-In) and the Information Security Education and Awareness (ISEA) programme under the Ministry of Electronics and Information Technology (MeitY), Government of India.





These achievements reflect students' participation in learning and development opportunities beyond their regular coursework. The School congratulates the students on their efforts and encourages others to continue building their skills beyond the classroom.

From Coursework to Creation: The Journey Behind Rishvin Labs

Rishvin Reddy

B.Tech Computer Science and Engineering | Class of 2028

A student account of taking classroom concepts into independent projects and exploring the practical dimensions of software development.



For me, studying computer science has always involved more than understanding concepts in the classroom. I have been equally interested in exploring how these concepts translate into practical applications. This curiosity led me to experiment with projects of my own, using what I learnt through coursework as a starting point for building, testing and refining solutions.

I began with personal projects, gradually gaining an understanding of the different elements involved in developing an application, from its structure and interface to data management, integrations and reliability. My introduction to freelancing added another dimension to this experience. Working on projects helped me understand the professional aspects of software development, including identifying client requirements, defining project scope, planning deliverables and incorporating feedback.

From Coursework to Creation

These experiences eventually took shape as Rishvin Labs, a founder-led initiative through which I pursue project-based work and experimentation across areas such as full-stack development, cybersecurity, automation, the Internet of Things and blockchain. The work undertaken through the venture also includes web development, website maintenance, API integrations, e-commerce solutions and consulting. These different areas of work have allowed me to engage with varied aspects of software development while continuing to explore the practical applications of the technologies I study.

Some of the projects I have worked on include:

- WBOS: A business platform concept designed to support sales, marketing and customer engagement through WhatsApp.
- Smart Waste Management: An IoT-based system that uses fill-level monitoring, prediction and collection-route optimisation.
- ChainForensics: A research project exploring the use of blockchain to support the integrity and traceability of IoT forensic evidence.
- NetInspect: A browser-based tool for examining network packet-capture (PCAP) data.

Managing these projects alongside my B.Tech programme requires careful planning and prioritisation. I approach the work in stages, identifying immediate requirements while making time for continued learning and development. The relationship between academic study and practical work is reciprocal: concepts introduced in the classroom often become starting points for experimentation, while project experience gives me a deeper understanding of what I learn.
I would encourage other students to approach their learning in a similar way. Begin with a concept that interests you, try applying it through a small project, and allow the process of building and improving it to guide your learning.

Designing Life from Scratch: How Generative AI Is Learning to Build Proteins

Dr. Amit Kumar Singh

Assistant Professor, School of Technology, Woxsen University | Editorial Board Member, Discover Biotechnology (SpringerLink)



For the past few years, we have watched artificial intelligence (AI) learn to finish our sentences, answer our questions and generate pictures from a line of text. Impressive as that is, it all happens in a world of pixels and words. The next frontier is far more physical: using the very same ideas to design real, three-dimensional molecules, the working parts of living things. Those working parts are proteins. They are the tiny machines that keep your body running. They digest your food, carry oxygen in your blood, fight off infections and let your muscles move. Each protein is a long chain of chemical beads called amino acids that folds into a precise shape, and that shape gives the protein its function. For almost the entire history of biology, scientists could only study the proteins that nature had already invented over billions of years of evolution.

That has changed. The 2024 Nobel Prize in Chemistry, awarded to Dr. David Baker, Dr. Demis Hassabis and Dr. John Jumper for breakthroughs in understanding and designing proteins, showed the world that proteins can now be designed from scratch. Researchers call this de novo design, a Latin phrase meaning “from the beginning.” Instead of editing what evolution produced, they ask a computer to invent entirely new molecules built for jobs that nature never needed to solve. It is the difference between studying cars that already exist and designing a brand-new engine on a blank sheet of paper.

Designing Life from Scratch

Surprisingly, the trick behind designing proteins is borrowed almost directly from the AI image generators you may already have played with. Those tools work by denoising: they start with a screen of random static and, step by step, clean it up until a clear picture emerges from the fog. Protein-design AI does the same thing in three dimensions. It begins with a meaningless cloud of atoms scattered in space and gradually nudges them into place until they settle into a stable, sensible protein shape that could actually exist in the real world. From random noise, a functional molecule appears.

A useful protein needs a purpose. Researchers therefore first define the job, such as the exact spot where a molecule must bind or the precise geometry needed to speed up a chemical reaction, and then let the AI build the rest of the protein outward around that functional core.

Many powerful drugs come with a frustrating catch. A medicine that turns up the immune system to fight cancer, for example, is active everywhere in the body at once, which is what causes severe side effects. A patient does not want such a protein “on everywhere”, because it becomes toxic to the body. The answer is to design smart proteins with built-in switches: molecules that stay silent until they reach exactly the right place. A cancer drug can be wrapped in a protective cover and drift harmlessly through the bloodstream, activating only when it reaches a tumour that contains certain tell-tale molecules. The cover comes off and the drug switches on, hitting the disease while sparing the rest of the body. The lesson is precision: medicine that acts only when and where it should, promising real treatments with far fewer side effects.

Proteins do not only heal; they also build and clean. Enzymes, a special class of proteins, are nature’s catalysts. They speed up chemical reactions millions of times over, gently, without the scorching heat, high pressure or toxic solvents that factories often rely on. The problem is that evolution designed enzymes for the needs of living cells, not for modern industry. Scientists are now creating enzymes from scratch for tasks nature has never attempted. They start by sketching the “perfect” chemical heart of the enzyme on a computer, then let the AI build a protein that holds those key atoms in exactly the right position. The possibilities on display were remarkable:

Cleaning up pollution: Designed enzymes can break down leftover pesticide chemicals in the environment, turning harmful residues into harmless ones.

Designing Life from Scratch

Greener medicines: The University of Manchester, supported by the Gates Foundation, designed a custom enzyme to help manufacture a powerful HIV drug more cost-effectively, cutting out wasteful, polluting steps in the usual chemical process.

Sustainable plastics: Other designed enzymes can stitch plant-based building blocks into long chains, pointing toward plastics made from renewable materials instead of petroleum.

Because a single enzyme can work on target molecules over and over again, tiny amounts can do an enormous amount of work, a big win for both cost and sustainability.

What makes this field so exciting is that it sits at a true crossroads. It takes the biology of how life works, the chemistry of how molecules react, the computer science behind diffusion models and the raw computing power of modern AI chips, and fuses them into a single new discipline. None of it belongs to one subject alone.

That is a hopeful message for anyone in school today. The people who will design the medicines, materials and clean technologies of the coming decades will not necessarily be the ones who picked the “right” single subject early on. They will be the curious ones who learned to connect ideas across biology, chemistry and code, and who care about using these tools wisely and responsibly, since the power to design life from scratch is a serious one.

For most of history, nature held the only pen that could write the code of life. We are now, carefully and thoughtfully, learning to write with it too, and the first sentences are already saving lives.

Editor’s Note - November 2026

October brought a range of activities and developments across the School of Technology. Students participated in hackathons, presented their work at project expos and engaged with recruiters, while faculty members continued their academic and professional pursuits through research publications, conferences and other forums. This edition of Tech Chronicles brings together some of these updates and contributions.

Among the student achievements featured in this issue are the participation of two students in the finals of an international AI and digital health hackathon, prizes won at Pragathi Project Expo 2.0 and the Tri-City AI Hackathon, and a place in the Top 10 at Microsoft's Hack with Hyderabad 3.0. We also report on ModMed India's recruitment of three final-year students, other companies' visits to campus, and training initiatives aimed at preparing students for professional opportunities. The new MoUs signed with industry partners are another development in this regard. Alongside these updates, we have included a student feature that traces how classroom learning and personal projects took shape as an independent venture.

The faculty updates in this edition cover a similarly varied range of work, including papers published in IEEE proceedings and a Q1 journal, a book chapter, recognition among the world's top scientists, and participation in national academic and professional forums. We also feature an article exploring how artificial intelligence is being used in protein design, bringing together perspectives from biology, chemistry and computer science.

As we move into November, the academic calendar brings a change of pace for students across different years. For those in the higher semesters, the month marks the transition from end-semester examinations to the beginning of a new semester. For our first-year students, it marks the second half of their first semester at Woxsen. We hope this edition offers a glimpse of the work and activities that have shaped the past month, and we look forward to bringing you more updates in the months ahead.

Happy reading!

Dr. Anusree B
Editor
Tech Chronicles