



SYMBIOSIS INSTITUTE OF TECHNOLOGY (SIT)

Constituent of Symbiosis International (Deemed University), Pune

(Established under Section 3 of the UGC Act of 1956 vide notification number F-9-12/2001-U-3 of the Government of India)

Re-Accredited by NAAC with 'A++' Grade

THE BYTE BULLETIN

THE BIANNUAL NEWSLETTER FROM THE DEPARTMENT OF CSE

EDITION: JULY-DECEMBER 2025

TRENDING THIS SEMESTER

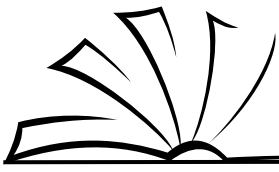
- Symbiosis Institute of Technology secured 8th rank nationally among private engineering colleges, reinforcing its academic strength and industry alignment.
- A cutting-edge 5G Use Case Lab was launched with Department of Telecommunications, Telecommunications Consultants India Limited, and VVDN Technologies.
- Students excelled at HackRx, FOSS Hack, EduHacks, and CiiA-4, and earned accolades at VULNCON and the All-Women CTF at Indian Institute of Technology Bombay, along with the SheFi Scholarship.
- Faculty showcased research at SCI 2025 and Sunway University.
- Global exposure grew through international internships, UK and Japan programs, ACM AI Summer Schools, and strong industry MoUs and conclaves.
-

Welcome to the latest edition of The Byte Bulletin!

We're thrilled to bring you a fresh collection of updates and achievements from the heart of the Department of Computer Science. This issue showcases pioneering research, emerging technologies, and transformative initiatives that reflect the department's vibrant and forward-thinking spirit. Our students continue to excel across diverse domains, while our esteemed faculty lead impactful research that addresses real-world challenges and expands technological boundaries.

In a field defined by constant evolution and rapid progress, the Department of Computer Science remains a hub of innovation, collaboration, and academic excellence. We invite you to explore this edition and discover the remarkable accomplishments, breakthrough ideas, and shared dedication that define our community. Join us this semester as we continue to advance knowledge and shape the future of computer science together.





VISION AND MISSION

VISION OF THE DEPARTMENT

To evolve as a centre of excellence in Computer Science and Engineering to produce skilled and proficient global professionals to build the society.

MISSION OF THE DEPARTMENT

- To provide the conducive environment for establishing students in the global platform of research and innovation.
- To educate students on cutting edge technologies with problem solving capabilities, leadership and teamwork skills.
- To inculcate the professional values with lifelong learning through curricular and co-curricular activities and create globally-aware disciplined citizens.
- To commence various initiatives for motivating students to work for the betterment of society.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1: Apply their skills with research orientation and establish themselves globally.

PEO2: Apply problem solving and emerging technology skills for designing solutions .

PEO3: Apply technical and leadership skills to be a successful entrepreneur.

SIT PUNE RANKED 8TH NATIONALLY



Proud Moment for the CSE Department at SIT, Symbiosis International (Deemed University)!

Symbiosis Institute of Technology, Pune has been ranked 8th among all Private Engineering Colleges in India by India Today Rankings 2025. This recognition highlights SIT's commitment to academic excellence, innovation, and student success.

SIU has secured 24th rank in the University category and 46th in Engineering in the NIRF 2025 Rankings – a testament to the collective excellence of all engineering departments, including Computer Science & Engineering.

This milestone reflects our commitment to innovation, quality education, and research excellence.

B.TECH DUAL DEGREE PROGRAMME



SIT Pune, in collaboration with Deakin University, Australia, offers a unique B.Tech Dual Degree programme. Students complete two years at SIT and two years at Deakin, graduating with dual degrees:

B.Tech (Computer Science & Engineering) + Bachelor of Data Science

B.Tech (Computer Science & Engineering) + Bachelor of Cyber Security

This programme provides global exposure, advanced skills, and enhanced career opportunities, preparing students to become industry-ready professionals.

5G USE CASE LAB

SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING AND
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Welcome Industry Delegates to the

5G USE CASE LAB INAUGURATION CEREMONY



Dr. Sujata Dutta

Senior Vice President,
Technology, VOIS.



Mr. Munir Sayyad

Vice President, Reliance
Jio



Mr. Rajesh Kanungo

DDG Compliance, DoT,
Govt of India



Mr. Deep Gupta

Director 5G, VVDN
Technology



Mr. Yogesh Shah

Vice President -
Professional Services
AutomationEdge



Mr. Prasanna Deshpande

Application Engineering
Manager at MathWorks



Dr. CA. Abhijeet Chirputkar

Director at Symbiosis
Institute of Digital
and Telecom Management,



Mr. Pankaj Kulkarni

6G AI Innovation
Technical Lead HHNOIX
India Pvt. Limited



Mr. Vishwas Vaidya

Engineering Consultant,
Automotive
Consultant at Cognizant



Mr. Jitesh Vaishnav

Business leader - Industry 4.0,
Operational Technology and
Industrial 5G



Mr. Puneet Agarwal

Founder and CEO at
VVDN Technologies



Mr. Shailendra Singh Narwariya

Joint Director at Centre for
Development of Advanced
Computing (C-DAC)



25 March, 2025



Symbiosis Institute of Technology Pune

SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)

(Established under Section 3 of the UGC Act, 1956) | Re-accredited by NAAC with 'A++' grade | Awarded Category - I by UGC

SIT Pune inaugurated its 5G Use Case Lab, sponsored by the Department of Telecommunications (DoT), Govt. of India, with support from TCIL and VVDN Technologies. The lab will serve as a hub for innovation, enabling students to develop real-world applications in healthcare, manufacturing, smart cities, and more. Distinguished industry leaders and students showcased projects, marking a significant step in strengthening industry-academia collaboration and advancing digital transformation.

STUDENT'S ACHIEVEMENTS



Congratulations to Karan Desai

Karan Desai represented the department at VULNCON, a premier cybersecurity conference hosted at the Indian Institute of Science

Congratulations to Omkar Darekar, Final Year CSE student at SIT Pune, on being selected as a Campus Ambassador for GirlScript Summer of Code (GSSoC) 2025. This initiative promotes open-source and fosters an inclusive tech community.



We are proud to support his startup PHYSIOMIZE, a tech-enabled platform helping physiotherapists enhance patient recovery. Yash's journey is an inspiration to many—proof that at SIT, innovation never stops.



STUDENT'S ACHIEVEMENTS



Dr. Sashikala Mishra, Dr. Vani Hiremani, Prof. Ranjeet Bidwe, and students Malay Doshi and Gauri Deoghare (CSE, SIT Pune) presented their research at SCI 2025, hosted by Sunway University, Malaysia. Centered on AI for Sustainable Development Goals, the conference offered a global platform for knowledge exchange and collaboration.



Congratulations to Onkar Mendhapurkar (Final Year CSE) and team XLR8 (Janmejaya Pandya, Sachin Mhetre) for winning FOSS Hack 2025, India's largest hybrid hackathon with 5,000+ participants. Their project Scribly, a YouTube notes and annotation extension, stood out among 800+ projects nationwide.

STUDENT'S ACHIEVEMENTS



The Entrepreneurship Promotion and Innovation Cell (EPIC), SIT Pune has been selected among the Top 100 institutes in the FUTUREPRENEUR Challenge at Startup Mahakumbh. Our student team was recognized for their confidence and entrepreneurial spirit, marking a proud moment for SIT Pune's innovation ecosystem.

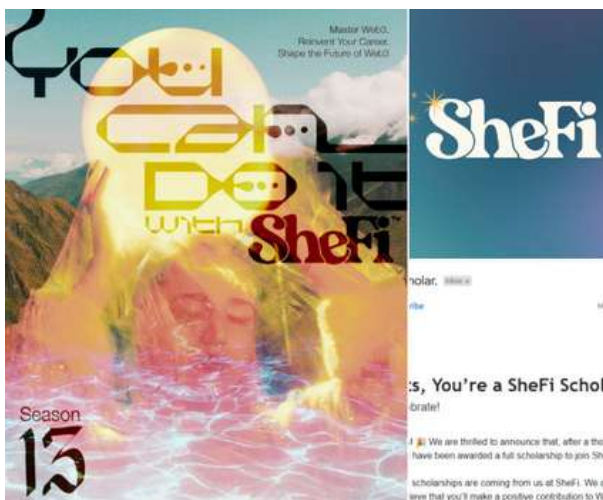


SIT Pune students Archisha Yadav and Reeti Agarwal secured 2nd place at the All-Women CTF by IIT Bombay Trust Lab and MCCIA, winning ₹75,000 for their excellence in cybersecurity challenges.

STUDENT'S ACHIEVEMENTS



Students from the Department of CSE, SIT Pune, showcased their creativity at Creative Ideas & Innovations in Action (CiiA-4), held on 5–7 February 2025 at Nehru Science Centre, Mumbai. Two teams represented SIT: Team EdTechVR (Tanisha Vyas, Satviki Budhia, Yash Parkhi, Armaan Jeswani) and Team SHEild (Adyasha Subhadarsini, Aarya Patil, Ayushi Kapgate). Guided by faculty mentors Dr. Sashikala Mishra, Prof. Shubhangi Deokar, and Prof. Ranjeet Bidwe, the teams demonstrated inspiring innovation and problem-solving spirit.



Congratulations to Anushka Tandon for being selected as a SheFi Scholar (Season 13) and receiving a prestigious scholarship. Through this program, in collaboration with the Celo Foundation, she will explore opportunities in Web3, blockchain, and inclusive tech.

STUDENT CLUB EVENTS

SIT ACM Student Chapter

The ACM Cloud Team—Chintan Pradhan, Lakshya Agarwal, Nihar Ranjan Mishra, Yash Rastogi, and Siddhant Bedre, guided students through the AWS Management Console, launching EC2 instances, using S3 storage, and understanding RDS and Lambda basics. The session was hands-on and



Cyber Blockchain Club

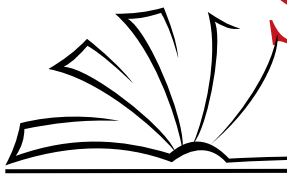


The Hedera Blockchain Workshop featured experts from IDS Global who led sessions on Hedera Hashgraph, its consensus mechanism, developer tools, and enterprise applications. Students learned about blockchain career opportunities and gained practical insights into distributed ledger technologies and their real-world uses.

Google Developer Student Club

GDSC SIT Pune is a vibrant community of tech enthusiasts, where students come together to explore the latest technologies, enhance their skills, and create meaningful projects that have a real-world impact. They conducted "WebWeave," an electrifying online





STUDENT CLUB EVENTS

CodeX Club

Bug2Bot was a two-day event at SymbiTech 2025. In the first round, participants searched for a hidden PC number and fixed a buggy program. The second round featured a remote-control car obstacle course that required teamwork and strategy. The event was open to all and was a big success, with lots of energy and strong collaboration.



AR/VR-Game Development Club



The Department of Computer Science and IT Engineering, along with the AR/VR Club and Cyber Blockchain Club, held an AR/VR Bootcamp on Game Development with SDL3. Led by expert Tanuj Shrivastava, students from CSE and IT gained hands-on coding experience, built interactive game projects, and learned about real-world AR/VR applications in gaming.



FACULTY'S ACHIEVEMENTS

Dr. Pooja Bagane at Symbiosis Institute of Technology Pune and Symbiosis Pune has been honored with the Hall of Fame Award 2025 for Excellence in Teaching. This prestigious award celebrates her dedication to innovative teaching and her commitment to inspiring and shaping future engineers with creativity and passion.



International Journal of Global Business and Competitiveness
<https://doi.org/10.1007/s42943-025-00122-z>

ORIGINAL RESEARCH

Nexus Between Climate Risk, Firm Performance and Firm Value: An Indian Perspective

Chetana Asbe¹ · Ameya Abhyankar² · Nilima Zade¹ · Dnyaneshwari Jadhav³

Received: 27 September 2024 / Accepted: 31 July 2025
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Abstract

Climate change poses significant risks to economic development, particularly in climate-sensitive economies like India. This study examines the relationship between environmental scores of Nifty50 companies, their financial performance prices, using panel data from financial year 2017 to 2022. Environmental scores highlight physical and transition risks, while firm-level indicators such as return on equity, return on assets, and Tobin's Q measure performance. An event study was conducted to examine stock price movements during three key events: the CRISIL ESG-sc (May 2022, firm-specific), India's submission of its long-term low-emission strategy (November 2022, macroeconomic), and the Union Budget announcement (February 2023, macroeconomic). The analysis combines fixed effects panel with event study methodology using cumulative abnormal returns to identify both firm-level financial impacts and responses. Findings reveal that firms with stronger environmental scores tend to demonstrate better financial performance.

Congratulations to Dr. Nilima Zade on the publication of the research paper "Nexus Between Climate Risk, Firm Performance and Firm Value: An Indian Perspective" in the International Journal of Global Business and Competitiveness (Springer Nature, ABDC listed), highlighting her impactful contribution to climate finance and sustainability research in India.

Dr. Pooja Bagane, Prof. Amol Kamble, and Dr. Smita Mahajan completed the SecurED FDP by Palo Alto Networks in Bangalore, earning certifications in cybersecurity, network security, cloud security, and security operations.



FACULTY'S ACHIEVEMENTS



Dr. Renuka Agrawal, along with co-author Usha Jogalekar, successfully completed a research publication with the support of the Department of Computer Science and Information Technology, SIT Pune. Special thanks were extended to Dr. Sashikala Mishra (Head, CSE), Dr. Deepali Vora (Dy. Director – Academics), and Dr. Ketan Kotecha (Director, SIT Pune) for their guidance and leadership.

Dr. Pooja Bagane has been selected for the InteRussia Fellowship Program in Engineering (June 1–29, 2025), to be held in Novosibirsk, Russia. This prestigious program brings together engineers and researchers worldwide for intensive training and collaboration under the guidance of leading experts.



FACULTY'S ACHIEVEMENTS

Dr. Sashikala Mishra, HoD, CSE, SIT Pune, was invited to chair a technical session at the 7th International Conference on Smart Computing and Informatics (SCI 2025) held at Sunway University, Malaysia. The conference focused on harnessing AI for sustainable development, bringing together global researchers and practitioners.

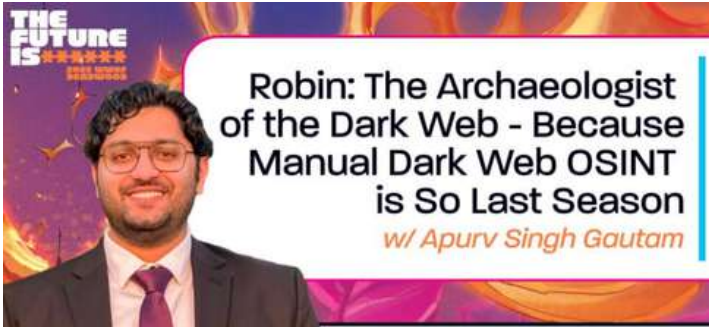


Prof. Ranjeet Bidwe presented two research papers on password security and brain tumour classification at SCI 2025, Sunway University, Malaysia, contributing to global discussions on AI and sustainability.

Dr. Vani Hiremani presented her research on "Smart Surveillance: Real-Time Crowd Detection and Density Estimation with CNNs" at SCI 2025, Sunway University, Malaysia. The conference, themed AI for Sustainable Development Goals, brought together global experts to explore innovations in smart systems and AI.



KNOW YOUR ALUMINI



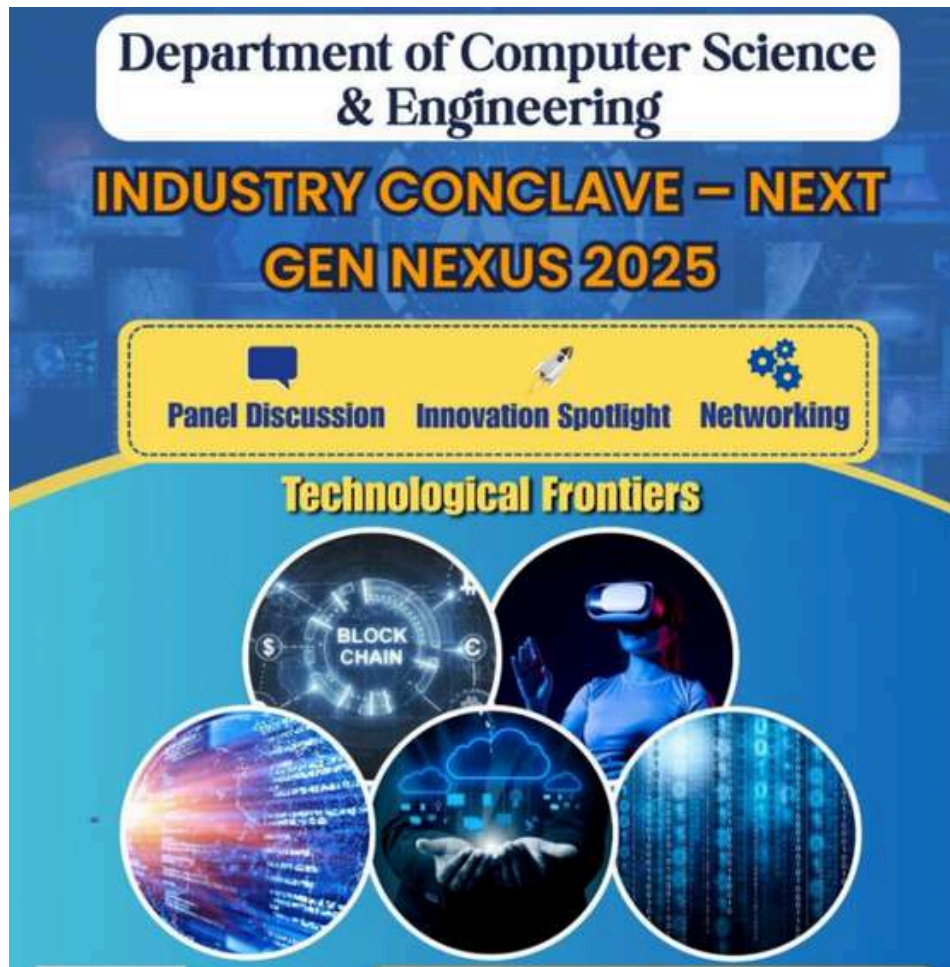
Apurv Singh Gautam, Sr. Threat Research Analyst at Cyble and Georgia Tech alum, will be speaking at Wild West Hackin' Fest 2025, introducing Robin, an AI-powered dark web OSINT tool that automates investigations and advances cybercrime research.

Alumni Meet in Dublin
Great to meet SIT Pune alumni Akshat Vashishtha, Ameya Rane, Anushree Kolhe, Dhavan Shah, Sarthak Tyagi, and Aishwinder Sandhu, and hear their inspiring journeys.



We are delighted to share that our alumna Sneh Pahilwani has joined Microsoft, a global leader in technology and innovation. Wishing her continued success and growth in this exciting journey.

INDUSTRY CONCLAVE – NEXT GEN NEXUS 2025



The Department of Computer Science & IT Engineering, SIT Pune successfully hosted the Industry Conclave – Next Gen Nexus on May 3, 2025. The event featured insightful discussions on emerging technologies including AI & ML, Generative AI, Cybersecurity & Blockchain, and Smart Systems & Sustainability.

Students presented innovative, solution-driven projects, while new collaborations with industry leaders began to take shape. SIT Pune continues to strengthen industry-academia ties, preparing future-ready engineers with real-world impact.

INDUSTRY CONNECT ACTIVITIES



Dr. Sudipta Banerjee, along with Prof. Mahesh Arse (CSE, SIT Pune), visited 3C IT Solutions & Telecoms (India) Ltd., Pune to review the progress of student interns and explore avenues for collaboration. A productive discussion with Mr. Thounaojam Pakasana (HR Head) focused on opportunities in internships, live projects, expert talks, and skill-building initiatives, strengthening the industry-academia partnership.



SIT Pune welcomed Geetanjali Gupta, Founder of Headspur Technologies, who shared her inspiring entrepreneurship journey and insights on UI/UX, product strategy, and innovation. Discussions also explored potential collaborations, including an Innovation Lab to provide students with real-world project and internship opportunities.

INDUSTRY CONNECT ACTIVITIES



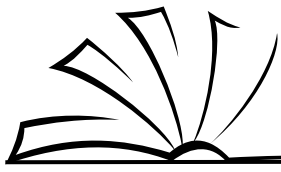
Second-year CSE students from SIT Pune visited C-DAC Pune to explore India's advanced supercomputing facilities. The visit offered insights into high-performance computing and its applications in AI, simulations, and cybersecurity.

INTERNATIONALISATION

We are proud to announce that Sneha Padgaonkar has been selected for the Summer Research Program at the University of Liverpool, UK. She will undertake an 8-week project titled "Engineering – Affordable, High Precision Corneal Topography Device" under the guidance of Dr. Ahmed Elsheikh, Professor of Biomedical Engineering (16 June – 8 August 2025).



Aryan Bachute (CSE, SIT Pune) participated in the INTERACT International Conference at Loughborough University, UK, contributing to sessions on AI in supply chain and a MATLAB & Simulink workshop. He also visited the University of Derby and Imperial College London, gaining valuable global exposure to cutting-edge innovations.



INTERNSHIPS AND PLACEMENTS

Department of Training & Placement
Heartiest Congratulations!
for securing a placement at
tracelink
NETWORK FOR GREATER GOOD



Akshay Kushawaha (CSE) Ishaan Bhadrake (CSE) Yajushreshtha Shukla (CSE) Miyani Heet (AIML) Rohan Saraswat (AIML)

BTech : 2021 - 25

B.TECH PLACEMENT WITH INTERNSHIP(2022-26)
Heartiest Congratulations!
for getting selected at
ZS



Himani Arora CSE Manya Lamba CSE Samidha Manjrekar CSE
Aarushi Dhawan CSE Satviki Budhia CSE

B.TECH PLACEMENTS WITH INTERNSHIP(2022-26)
Congratulations students for getting selected at a
Futures First



Surya Chandra Prakash CSE Megha Beria CSE Aaryan Dhawan CSE

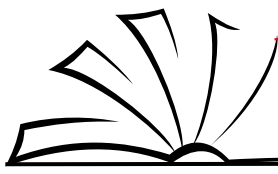
[@symbols_01](#) BT - Symbol Institute of Technology [@allplacements](#) Placement Cell IIT

Department of Training & Placement
Heartiest Congratulations!
for securing a placement at
FORMA.AI



Himanshu Chopade (CSE) Aryan Kore (CSE) Rhea Chainani (AIML) Divya Shanbhag (AIML)

BTech : 2022 - 26



INTERNSHIPS AND PLACEMENTS

Heartiest Congratulations!
for securing a placement at



Dipesh Menon (CSE) Maitri Gupta (CSE) Sidharth Chaudhary (CSE) Shivam Mishra (CSE) Ratan Singh Madrecha (CSE) Kanan Bedi (AIML) Arjun Khadikar (AIML)

BTech : 2021 - 25

Heartiest Congratulations!
for securing a placement at



Aastha Arora (CSE) Siddharth Sandeep (CSE) Pranav Suri (CSE)

BTech : 2022 - 26

Heartiest Congratulations!
for securing a placement at



Chirra Anudeep Goud (CSE)



Kedar Mahesh Hardikar (AIML)

BTech : 2021 - 25

Heartiest Congratulations!
for securing a placement at



Aditi Kandari (CSE)



Bhavanam Gireesh Reddy (CSE)

BTech : 2021 - 25

INTERNSHIPS AND PLACEMENTS

Heartiest Congratulations!
for securing a placement at
Synechron



Madhur Mahajan
(CSE)



Harsh Lakdawala
(CSE)



Mohammad Ayan
(AIML)

BTech : 2021 - 25

B.TECH PLACEMENTS WITH INTERNSHIP(2022-26)

Congratulations CS students for getting selected at a
JAPANESE LEADING FINANCIAL FIRM



Kewal Nanavati
CSE



Mihir Hebalkar
CSE



Vidhi Binwal
CSE



Srushti Parulekar
CSE



Aprajita Pandey
E&TC



Riya Shukla
AIML

B.TECH PLACEMENTS WITH INTERNSHIP(2022-26)

Congratulations students for getting selected at a



MAERSK



Saumay Jaiswal
CS



Udarajsinh Jhala
CSE



Shhreyash Pandey
AIML

B.TECH PLACEMENT WITH INTERNSHIP(2022-26)

Heartiest Congratulations!
for getting selected at
bmc



Mohd Hamza Abbasi
CSE



Netra Jain
CSE



Yogita Beniwal
CSE



Abhisekh Rajput
CSE



Ansh Sehgal
CSE



Sanvi Verma
CSE



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