

IILM UNIVERSITY

COMPUTER SCIENCE & ENGINEERING

The IILM Blueprint

OUR 'WHY'

Deep Purpose

To nurture **responsible leaders**, **compassionate innovators**, and **global citizens** who create inclusive, sustainable value for society. We do this by providing a **transformative, values-based learning** environment where human connection, entrepreneurial courage, and intelligent technology converge.

OUR 'WHAT'

Vision

To be India's most **innovative** university, preparing **leaders with purpose** for the opportunities of tomorrow.

OUR 'HOW'

Mission

To empower a **diverse community of learners** through **progressively** AI-integrated education, **emerging** research capabilities, and real-world experiences, fostering **innovation** and cultivating **human connection** to create **meaningful** solutions for India and **beyond**.

SCHOOL OF COMPUTER SCIENCE & ENGINEERING

Tech Innovation Begins Here

The School of Computer Science & Engineering at IILM University is a leading institution offering programmes such as BTech in Computer Science & Engineering with specialisations in AI/ML, Data Science & Big Data Analytics, Cloud Computing, and Cyber Security, as well as MTech and PhD programmes.

In recent years, the importance of computing education has grown significantly, and our school continues to be at the forefront, committed to shaping future technology pioneers. Our primary aim is to empower and guide students to become industry leaders in cutting-edge computing technologies, both nationally and globally.

Our esteemed faculty, with extensive experience, are dedicated to delivering a unique blend of theoretical knowledge and practical skills essential for success in the ever-evolving field of computer science. From innovative research to hands-on projects, we support our students in navigating this rapidly changing landscape. Key focus areas include Artificial Intelligence, Machine Learning, Cloud Computing, Cyber Security, Digital Forensics, Data Analysis, Big Data Technologies, Data Visualisation, Generative AI, and Business Intelligence. Our curriculum ensures students gain a comprehensive understanding of the technologies and methodologies driving innovation in this data-driven era.

Aligned with the NEP2020 framework, our curriculum offers a student-centric, flexible structure featuring: Multidisciplinary learning, Compulsory ability and skill enhancement courses, Value-added courses, Product design and development, Mandatory internships, Multiple entry and exit points. Innovative teaching methodologies such as Outcome-Based Education (OBE), Project-Based Learning (PBL), Interleaving (Context Switching), and Pair Programming further enhance the learning experience.

PROGRAMMES

UNDERGRADUATE (Greater Noida)

► B Tech in CSE with specialisation in

- AI-ML
- Data Science and Big Data Analytics
- Cyber Security
- Cloud Computing
- Graphics and Gaming
- Artificial Intelligence and Machine Learning in collaboration with IBM

- Cyber Security in collaboration with Microsoft
- Cloud Computing in collaboration with Microsoft
- Full Stack Web Development in collaboration with L&T EduTech
- iOS Mobile Application with ML and AR in collaboration with SKLZ TECT LLP

► BCA

- BCA Core
- BCA with specialisation in Web Design & Development and iOS Fundamentals in collaboration with SKLZ TECT LLP

► BCA (Hons) with specialisation in

- AI-ML
- Web Development

UNDERGRADUATE (Gurugram)

- ▶ **B Tech in CSE with specialisation in**
 - AI-ML in collaboration with L&T
 - Cyber Security and Digital Forensics in collaboration with HCL
 - Full Stack Development in collaboration with L&T
 - Data Science in collaboration with Xebia & Microsoft
 - Cloud Computing in collaboration with HCL
 - Immersive Technologies
 - Data Engineering in collaboration with Xebia & Microsoft
 - Generative AI in collaboration with Xebia

▶ **B Tech in CSE with Robotic Intelligence in collaboration with L&T**

▶ **B Tech in Artificial Intelligence**

POSTGRADUATE (Greater Noida)

- ▶ **M Tech in CSE with specialisation in**
 - Generative AI
 - Robotics and Machine Intelligence
- ▶ **MCA**

POSTGRADUATE (Gurugram)

- ▶ **M Tech in CSE with specialisation in Generative AI**

PhD in Computer Science & Engineering

COLLABORATIONS

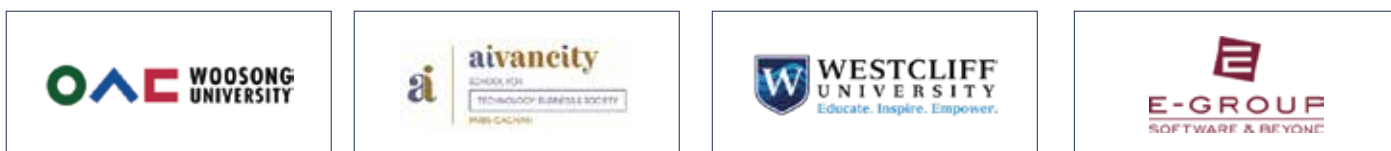
MoUs with Renowned Industry & Global Academic Institutions

Industry & Technology Collaborations



Global Academic & Research Collaborations

International pathways in Artificial Intelligence, Data Science & Engineering



Global collaborations subject to active MoUs and programme relevance.

PROGRAMME OVERVIEW

UNDERGRADUATE PROGRAMMES (Greater Noida)

▶ **B Tech in CSE with specialisation in AI-ML**

Our Artificial Intelligence and Machine Learning specialisation equips students with an in-depth understanding of algorithms, data structures, and the latest AI advancements. Students will learn to develop intelligent systems and solve complex problems using machine learning techniques, preparing them for the rapidly evolving AI landscape.

▶ **B Tech in CSE with specialisation in Data Science and Big Data Analytics**

This programme enables students to harness the power of data by learning how to analyse, visualise, and interpret large datasets. The course focuses on big data tools, predictive modelling, and data mining techniques essential for modern industries.

▶ **B Tech in CSE with specialisation in Cyber Security**

This specialisation covers key areas such as information security, network defence, ethical hacking, and digital forensics. Students are trained to protect data and networks, making them highly sought after in today's digital age.

▶ **B Tech in CSE with specialisation in Cloud Computing**

Our Cloud Computing programme provides students with practical experience in cloud architectures, virtualisation, and scalable cloud solutions. Learners will gain expertise in managing cloud services, security protocols, and applications for the modern digital enterprise.

▶ **B Tech in CSE with specialisation in Graphics and Gaming**

Focusing on the design and development of games and graphics systems, this specialisation equips students with both 2D and 3D game development skills. It prepares them for the growing graphics and gaming industry.

▶ **B Tech in CSE with specialisation in AI-ML in collaboration with IBM**

This collaborative programme with IBM combines foundational computer science education with specialised training in artificial intelligence and machine learning. Students benefit from IBM's industry-driven curriculum, ensuring they are ready for future AI roles.

▶ **B Tech in CSE with specialisation in Cyber Security in collaboration with Microsoft**

This partnership with Microsoft prepares students to tackle advanced cybersecurity challenges. From digital forensics to cloud security, students receive exclusive training aligned with industry standards.

▶ **B Tech in CSE with specialisation in Cloud Computing in collaboration with Microsoft**

Leveraging Microsoft's expertise, this course focuses on building, managing, and securing cloud infrastructure. Students gain critical skills to become cloud architects and experts in cloud solutions.

▶ **B Tech in CSE with specialisation in Full Stack Web Development in collaboration with L&T EduTech**

In partnership with L&T EduTech, this programme trains students in both front-end and back-end development, emphasising full-stack capabilities. The focus is on modern frameworks such as Angular, Node.js, and Cloud Integration.

▶ **BCA (Hons) with specialisation in AI-ML**

The BCA honours programme offers advanced topics in AI and machine learning, helping students build a strong knowledge base in algorithms, predictive modelling, and data-driven decision-making.

▶ **BCA (Hons) with specialisation in Web Development**

This programme prepares students for roles in web design and development, covering both front-end and back-end technologies, responsive web design, and user interface/user experience (UI/UX) principles.

▶ **BCA with specialisation in Web Design & Development and iOS Fundamentals (in collaboration with SKLZ TECT LLP)**

This collaboration with SKLZ TECT LLP focuses on both web design and iOS development, providing students with hands-on experience in creating cutting-edge websites and iOS mobile applications.

▶ **B Tech in CSE with specialisation in iOS Mobile Application with ML and AR (in collaboration with SKLZ TECT LLP)**

This unique programme explores iOS app development alongside machine learning and augmented reality. The collaboration with SKLZ TECT LLP ensures access to industry-specific projects and certified trainers.

UNDERGRADUATE PROGRAMMES (Gurugram)

▶ **B Tech in CSE with specialisation in AI-ML**

The AI-ML specialisation offers comprehensive knowledge in artificial intelligence and machine learning. Students will learn cutting-edge techniques to develop intelligent systems.

▶ **B Tech in CSE with specialisation in Cyber Security & Digital Forensics**

This programme delves into cybersecurity and digital forensics, teaching students how to detect, analyse, and prevent cyber threats and fraud.

▶ **B Tech in CSE with specialisation in Full Stack Development**

Students will gain expertise in both front-end and back-end development, learning to create complete web and mobile applications from scratch.

▶ **B Tech in CSE with specialisation in Data Science**

This specialisation focuses on data analysis, visualisation, and machine learning, equipping students to extract actionable insights from complex datasets.

▶ **B Tech in CSE with specialisation in Cloud Computing**

The cloud computing specialisation equips students with skills in building, managing, and deploying cloud-based infrastructure, providing solutions for modern digital enterprises.

▶ **B Tech in CSE with specialisation in Immersive Technologies**

Explore AR, VR, game development, and immersive technologies to create interactive digital experiences and innovative applications.

▶ **B Tech in CSE with specialisation in Data Engineering**

Learn to design, build, and maintain data pipelines and large-scale systems for managing big data, ensuring efficient data flow.

▶ **B Tech in CSE with Robotic Intelligence**

The B Tech in CSE with Robotic Intelligence equips students with cutting-edge skills in AI and robotics. This programme focuses on machine learning, computer vision, natural language processing, and neural networks to develop intelligent, adaptable robotic systems. Graduates will innovate in domains like healthcare, automation, and smart environments, with a strong emphasis on ethical and sustainable practices. Combining theoretical knowledge with practical expertise, this programme prepares students for the future of intelligent robotics.

POSTGRADUATE PROGRAMMES

► M Tech in CSE with specialisation in Generative AI

Delve into the world of Generative AI, learning how to develop models capable of creating new data, such as text, images, and code, based on existing datasets.

► M Tech in CSE with specialisation in Robotics and Machine Intelligence

Focusing on robotics and artificial intelligence, this specialisation prepares students to design intelligent robotic systems with real-world applications.

► MCA

Provides advanced knowledge in software development, computer systems, and cutting-edge technologies, positioning graduates for leadership roles in the tech industry.

► PhD in Computer Science & Engineering

Fosters innovation and research in computer science. Candidates contribute to the field by addressing real-world challenges in areas such as AI, cybersecurity, and data science through advanced research.

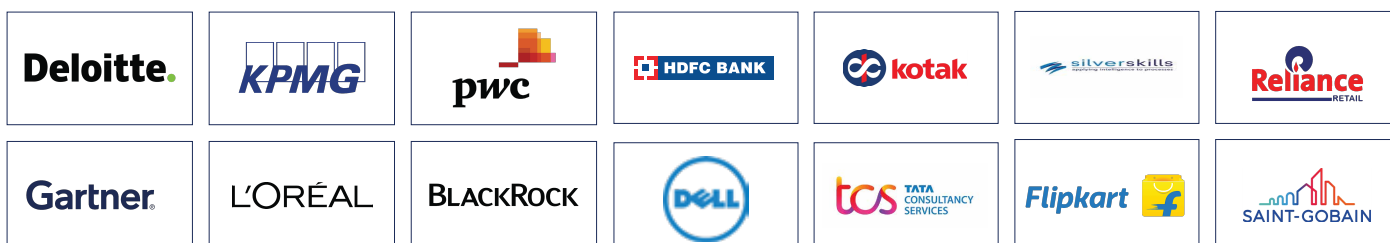
INTERNSHIPS & PLACEMENTS

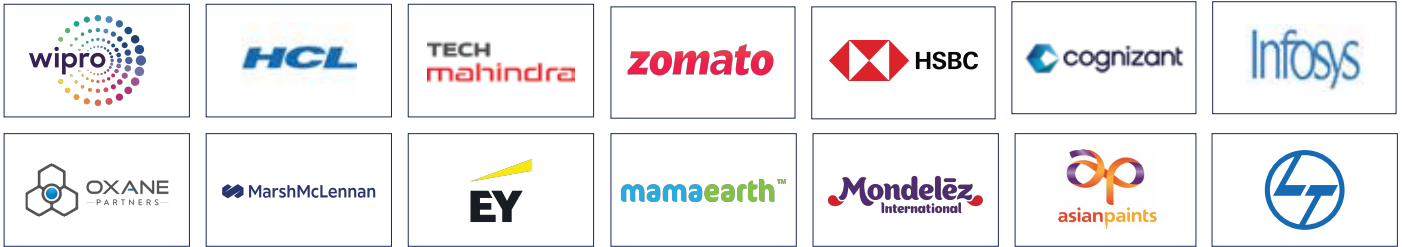
We follow a structured and industry-aligned approach to career preparedness, integrating internships, experiential learning, and placement support throughout the academic journey. Students benefit from premium industry collaborations with leading organisations such as Microsoft for Cyber Security and Cloud Computing, offering Azure certifications and hands-on laboratories; IBM-ICE for Artificial Intelligence and Machine Learning, providing globally recognised IBM Digital Badges, industry projects, and academic engagements; and L&T EduTech for Full Stack Development through an industry-aligned curriculum and live projects.

Industry-integrated learning is embedded through certifications, workshops, expert mentoring, and seminars conducted by professionals from leading technology organisations. Students engage in experiential learning from day one through live projects, internships, hackathons, and IBM-ICE events, enabling continuous application of classroom learning to real-world contexts. The curriculum is continuously updated to remain aligned with emerging technologies such as Generative AI, Cloud Technologies, AR/VR, Big Data, and Cyber Security.

Students undertake industry internships at the end of each academic year, followed by a comprehensive major project in the final year, supporting exposure to real-world industry requirements, professional skill development, and personal growth. Training and placement activities are coordinated by IILM University's Corporate Resource Cell (CRC), which strengthens industry-academia collaboration and supports students through structured career guidance, placement facilitation, global pathways, and entrepreneurial opportunities. The School also encourages innovation and entrepreneurship, enabling students to design, develop, and publish applications, games, and technology solutions on global platforms.

CAMPUS RECRUITERS





INFRASTRUCTURE (Labs / Centres of Excellence)

We offer advanced laboratories and Centres of Excellence that support hands-on, experiential learning across core and emerging technology domains.

Key Labs & CoEs:

- AI & Cognitive Computing Lab / CoE – Artificial Intelligence
- Cloud Infrastructure & DevOps Lab
- Cyber Security & Digital Forensics Lab / CoE – Cyber Security
- Robotics & Automation Lab
- Immersive Reality Lab
- Full Stack Development Lab
- Data Engineering & Data Science Lab
- Semiconductor Devices & Physical Computing Lab



These facilities enable practical learning, industry projects, research, and innovation-led academic engagement.

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ZERO TOLERANCE FOR RAGGING

Ragging is a punishable offence under the law. Any student found involved in ragging or abetting it shall be liable for strict disciplinary action, including expulsion, as per UGC Regulations.

24/7 National Helpline: 1800-180-5522 (Toll-Free)
Support Email: helpline@antiragging.in