

2024



IILM UNIVERSITY

Learn with Purpose, Lead with Purpose



SCHOOL OF COMPUTER SCIENCE & ENGINEERING



OUR VISION

Our vision is to be a leading University that inspires students to become responsible global citizens and leaders in their chosen fields and in the world, through an innovative, interdisciplinary, and inclusive approach to learning.



OUR MISSION

Our mission is to provide students with an education that is intellectually stimulating and practically relevant. We aim to foster a community of learners who are innovative, interdisciplinary, and socially responsible. We offer a range of programs that are designed to prepare students for purposeful work and to inspire them to make a positive difference in the world. We are dedicated to empowering students with the knowledge, skills, and experiences they need to achieve their full potential and to become responsible global citizens and leaders.

THE IILM ADVANTAGE



Over 30 years of
excellence



Global network of
over 16000 alumni



International
collaborations



Niche Programs



Job opportunities with
over 400 companies



Centrally located
green campuses



Experienced
Academicians



Scholarships



Industry in
Classroom



Bridging Industry
Academia Gap

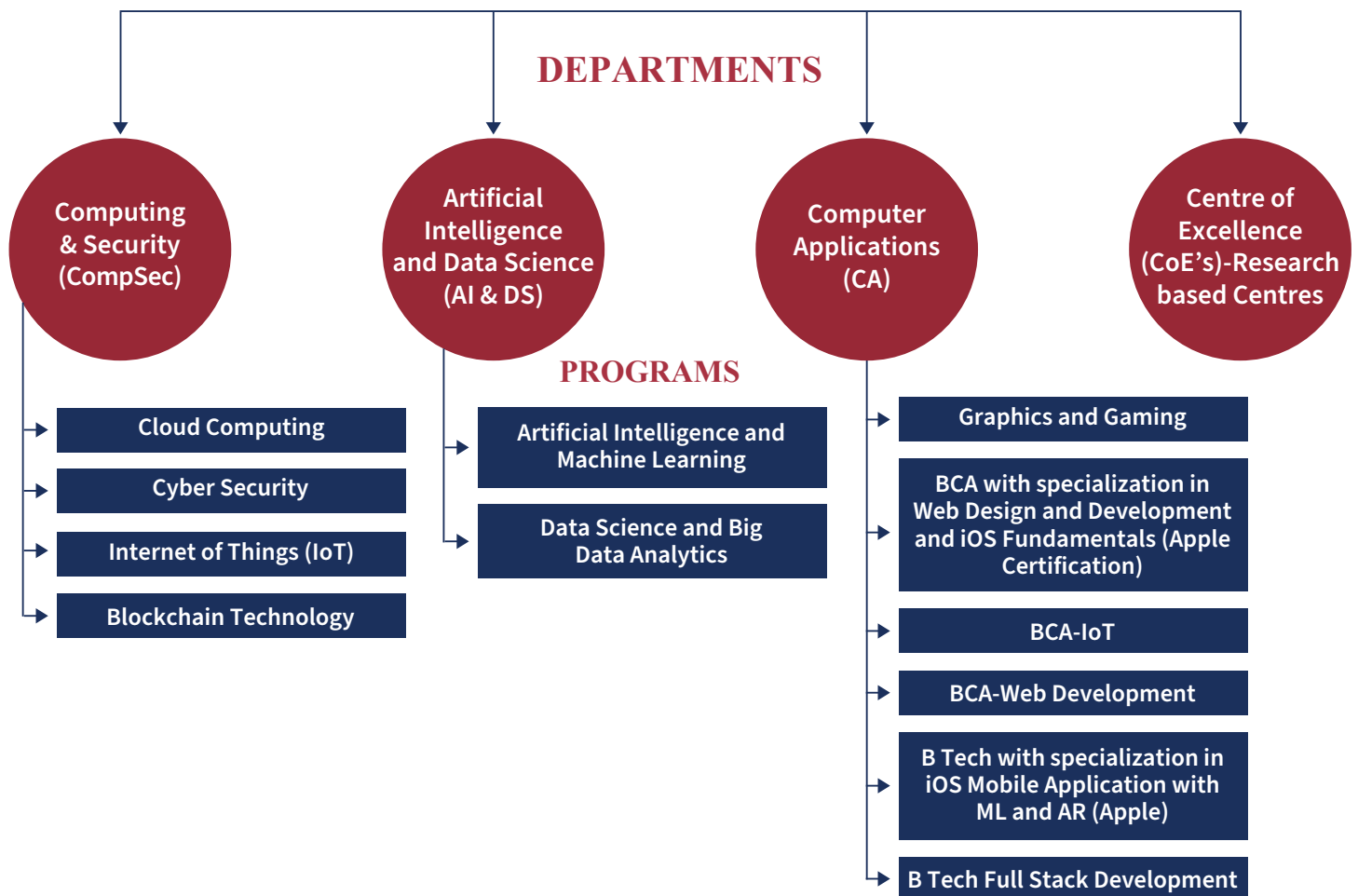


NEP
Compliant

SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

The School of Computer Science and Engineering at IILM University appears to offer a comprehensive and innovative educational experience. With a NEP-compliant curriculum, customizable degrees, specializations, and Honors research options, it provides students with a flexible and tailored learning path. The involvement of experienced faculty, state-of-the-art labs, and engagement with global experts adds to the richness of the education. The emphasis on industry-designed programs connecting students with experts on campus underscores the practical, hands-on approach for real-world success, making it an attractive choice for those seeking a computer science education.

DEPARTMENTS



KEY HIGHLIGHTS

- ▶ **NEP-compliant curriculum**
- ▶ **Choice-based Credit System**
- ▶ **Personalized mentoring system**
- ▶ **Collaborations with IT giants - IBM ICE, AWS Academy, NASSCOM, Apple-iOS, RedHat, Infosys**
- ▶ **Springboard, ICT Academy**
- ▶ **Global alumni base and connect**
- ▶ **Mentoring by industry experts and hands-on support in the classroom**
- ▶ **Internships and industry exposure**
- ▶ **Competitive research opportunities**
- ▶ **Focus on ethical and social implications**
- ▶ **100% placement assistance and job opportunities**
- ▶ **Mostly practical-oriented learning with excellent state-of-the-art laboratories**

"School of Computer Science and Engineering embraces the National Education Policy (NEP) and offers flexible education with multiple entry and exit options."

COLLABORATIONS

MoUs with various renowned industries/academic institutions:



B Tech in Computer Science and Engineering:

Explore the limitless potential of technology with our prestigious B Tech in Computer Science program. We merge tradition and innovation, giving students a profound grasp of computer science principles and hands-on experience with cutting-edge technology. Our accomplished faculty and advanced labs ensure top-tier education, empowering graduates in software development, AI & ML, Augmented Reality, and beyond, actively shaping the digital world. Join us for a transformative journey in the dynamic tech realm.

B Tech in Computer Science and Engineering (Specialization in AI & ML) in Collaboration with IBM ICE:

IILM University, in collaboration with IBM ICE (IBM Innovation Centre for Education), prepares the next generation of professionals for the future. IBM imparts essential applied information technology knowledge to our students through a structured learning pathway. Our programs cover emerging technologies and sought-after industry domains, including Cloud Computing and Virtualization, Data Science & Business Analytics, Graphics and Gaming Technology, Artificial Intelligence and Machine Learning, Blockchain, Cyber Security and Forensics, IT Infrastructure management, and Internet of Things.

B Tech CSE with specialization in iOS Mobile Application with ML and AR (Apple Certification):

This program addresses industry demands by exposing students to Apple iOS App development while solving real-world challenges. It's a collaborative effort between the university and SKLZ TECT LLP, offering access to advanced industry programs, including a Center of Excellence for Apple (iOS). As part of this partnership, Apple will establish a Center of Excellence for Apple (iOS) at IILM University, and provide certified trainers on our campus. They will focus on internships and placements for roles such as UI/UX Designer, iOS Mobile Application Developer, and more.

B Tech Computer Science and Engineering Specializations offered:

- 1 Cloud Computing and Virtualization:** Cloud computing, the backbone of modern digital infrastructure, green computing for scalable and sustainable solutions. Learners will foster from beginner's levels of principle of virtualization, and cloud computing architectures, towards the advanced "cloud scripting for Cloud services, and then major concerns of Industry 4.0 and 5.0 towards Cloud Security.
- 2 AI/ML:** The disruption has started with AI and ML as a field. The one of futuristic technology. The students will undertake courses like AI Fundamentals, and Introduction to Machine Learning, Then they will deep dive into Deep Learning, Applications of ML in Industry, and Natural Language Processing (NLP) with high end labs. So that they make themselves well equipped for futuristic problem solving.

- 3 **Cyber-Security:** Cyber security enthusiasts will learn fields like Information Security, their governance, IT system security, application and data security. Also, Ethical hacking and advanced cyber security concepts will be taught to make the students aware of the sensitivity of this domain in today's digital world.
- 4 **IoT:** Throughout the course the students will be introduced with the basic concepts and requirements of IoT and will also acquire knowledge of the Sensor technologies, IoT architecture, standards and protocols and lastly various IoT related software Arduino, RPi with lab. Its full of problem solving and innovations.
- 5 **Graphics and Gaming:** Students will learn the fundamentals of computer graphics, game design, and development, covering both 2D and 3D graphics. The program aims to equip students with the knowledge and skills needed to pursue careers in the graphics and gaming industry with suitable skills of Game Programming, Web Programming for Graphics & Gaming like HTML 5 & web GL with high end lab facilities. Additionally experimenting using AR and VR gear systems.
- 6 **Full stack development:** Full stack development refers to the end-to-end application software development including the front end and back end. In this course the students will study Front-end development - html, css, javascript, front end major frameworks like React, Angular and Back-end development - Server-Side like Node.js, Python, Ruby, Java, with SQL and NoSQL, CRUD operations and API developments.
- 7 **Data Science and Big Data Analytics:** The specialization is designed to offer students to navigate the complex world of data, analyse and derive insights from large datasets and ensure the new insights useful for business, protection and integrity of data. This well-rounded approach empowers students to thrive in various data-related roles using big data tools and techniques, big data Analysis, Business Intelligence Data Handling & Visualization.
- 8 **Blockchain Technology:** The curriculum is designed to introduce blockchain technology, which includes principles, features, and applications that enable the creation and construction of a secure and decentralized system based on a distributed ledger. By the end of the program, students will be able to create basic blockchain applications and a sense of cryptocurrency.
- 9 **B Tech Computer Science and Engineering with specialization in iOS Mobile Application with ML and AR**
The Bachelor of Technology in Computer Science and Engineering with a specialization in iOS Mobile Application, ML and AR is a comprehensive program that combines computer science fundamentals with iOS app development, ML integration, and immersive AR experiences.

M Tech Computer Science and Engineering:

This advanced degree in Computer Science and Engineering enhances technical expertise, fosters innovation, critical thinking, and problem-solving abilities. It opens doors to leadership roles, research initiatives, and shaping the future of technology in an ever-evolving industry.

Bachelor of Computer Application (BCA):

This program provides a strong foundation in computer science and practical skills, covering programming languages, database management, and software development. With dedicated faculty and modern facilities, it prepares students for careers in IT, software development, and tech consulting, offering a journey into the exciting world of technology.

- 1 **BCA with specialization in Web Design and Development & iOS fundamentals:** The program is coupled with iOS Fundamentals, web technologies honing their web development skills, including responsive design and user experience. Simultaneously, they gain foundational knowledge in iOS app development, covering app architecture, UI/UX design, and iOS programming. This program provides students with valuable opportunities, including hands-on projects, internships, and placement assistance

BCA (Web Design and Development & iOS Fundamentals) in Collaboration with SKLZ TECT LLP:

In partnership with SKLZ TECT LLP, we offer a comprehensive BCA program focusing on Web Design, Development, and iOS fundamentals. This specialized curriculum empowers students with skills for web and app development careers.

BCA

Specializations Offered:

- 1 **Web Development:** Equipping students with knowledge and skills in web technologies, programming, and UI/UX design for lucrative careers.
- 2 **Big Data Analytics:** Preparing students to analyze and extract insights from big data, fostering careers in data science and business intelligence.
- 3 **IoT:** Providing expertise in IoT systems, sensors, and data integration for careers in IoT development and smart technology.

Master of Computer Applications (MCA):

This advanced degree equips individuals with specialized skills essential for excelling in tech. It serves as a gateway to leadership roles, data science, AI, and high-paying careers. In an ever-evolving industry, MCA enhances technical expertise and nurtures critical thinking, making it a sought-after career investment.

Ph.D. Computer Science and Engineering:

Introducing our Ph.D. program in Computer Science and Engineering marks a significant achievement as we become a recognized university. This inaugural program offers aspiring researchers a unique opportunity to explore the latest developments in computer science research, contributing to our academic excellence and research innovation legacy. Join us on shaping the future of computer science with research and innovation. Let's thrive to research culture at IILM University.

This specialization emphasizes a strong foundation in AI and ML, with the practical experience in applying these concepts to real-world problems.



Internships:

Continuing our commitment, IILM University offers industry internships at the end of each academic year, followed by a final-year major project. These experiences expose students to industry requirements, foster growth, expand opportunities, and develop essential professional skills, ensuring graduates are well-prepared for successful careers.

Placements:

IILM University's Training and Placement activities, led by the Corporate Resource Cell (CRC), connect students with exciting career opportunities. The CRC team ensures seamless industry-academia.

CAMPUS RECRUITERS

ALUMNI ACHIEVEMENTS



BHAWNA SINGH
AVP
Citi
2009 - 13



SHIPRA HARLALKA
Technical Program Manager
Revenue
Twitter
2004 - 08



PRIYAM PARASHAR
Manager
EY
2009 - 13



NISHANT GARG
Sr. Solution Advisor
Cyber Risk & Advisory
Deloitte USI
2010 - 14



MAYANK DUTT
Sr. Engineering Program Manager
Global Markets, Adobe
2002 - 06



STUTI BANSAL
Salesforce QA Lead
Infosys
2004 - 08



CIGIN KOSHY
Data Engineer
ASML
2009 - 13



VINEET CHAUHAN
Business Intelligence Analyst
Adobe
2006 - 10



POONAM SHUKLA
Software Developer
Siemens
2014 - 16



SARTHAK SENGUPTA
Sr. Engineer - Machine Learning
Augmented Reality
Samsung Electronics
2016 - 20



AMIT AGRAHARI
Lead Software Engineer
Morgan Stanley
2009 - 13



ANKIT ANANT
Project Manager
KPMG Global Services (KGS)
2004 - 08

LEARN FROM THE BEST

Experience the guidance of world-class pioneers on your journey towards education, wisdom, and knowledge. These experts bring vast industry experience in their respective fields, enhancing both the teaching and learning processed.



Dr. S. Y. Quraishi
Chancellor
IILM University, Gurugram
Former Chief Election Commissioner of India



Mr. Bharat Kaushal
Chancellor
IILM University, Greater Noida
MD, Hitachi



Prof. (Dr.) Shailesh Gandhi
Pro-Chancellor
IILM University, Gurugram
Former Dean, IIM, Ahmedabad



Mr. P. Dwarakanath
Pro-Chancellor
IILM University, Gurugram
Former Chairman
GSK Consumer HealthCare



Prof. (Dr.) Ranbir Singh
Pro-Chancellor
IILM University, Gurugram
Founder & Former Vice-Chancellor
NALSAR Hyderabad & NLU Delhi



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IILM University, Gurugram
Professor of Organisational Behaviour &
Human Rights



Prof. (Dr.) Taruna Gautam
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IILM University, Greater Noida
Professor of Economics



Prof. (Dr.) Arvind Chaturvedi
Pro-Vice-Chancellor
Director, School of Management
IILM University, Gurugram
Former Dean & Professor, IMI, New Delhi



Dr. Munish Sabharwal
Executive Director & Professor (CSE)
IILM University
Greater Noida



Dr. Puneet Sharma
Dean-Sciences
IILM University
Greater Noida



Dr. Rajeev Tiwari
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IILM University, Greater Noida



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