About NIET

NIET is one of the premier Engineering and Management institutes of India's National Capital Region (NCR). It was established by eminent visionaries, responsible for setting up City Educational & Social Welfare Society of Meerut, with a vision to provide value driven education of global dimensions. The institute is managed by City Educational & Social Welfare Society, which runs several prestigious educational and health organizations, viz. NIET (Noida Institute of Engineering & Technology), CVPS (City Vocational Public School), Pyramid Finishing School, Dayanand Nursing Home, Chandra Sen Charitable Hospital & Om Diagnostic Center.

Noida Institute of Engineering and Technology, a self-financed institute, offering high standard quality education to students from all corners of the country, is situated in Greater Noida (a hub of global MNCs). The institute has a sprawling area of 13.90 acres and lush green ambience all around.

NIET is the first private institute in Uttar Pradesh to get Autonomous status by UGC. The Institute is Accredited by NAAC (A Grade, 3.23) and NBA (CSE, ECE, ME, IT, Biotechnology, B.Pharm, MBA and MCA), NIRF (39th in NIET Pharmacy Institute; 145th rank in NIET Engineering Institute). It is developing as the Center of Excellence imparting technical education and generating competent professionals with a high degree of credibility, integrity, and ethical standards. We aim at recognizing, respecting, and nurturing the creative potential of each student.

MISSION STATEMENT

- To impart quality education and hone students' skills and competencies making them future ready.
- To foster an ecosystem for research, product development, innovation, incubation, and entrepreneurship.
- To instill values and ethics to produce socially responsible technocrats addressing global problems.
- To develop an environment for sharing and exchange of resources globally for lifelong learning.

VISION STATEMENT

To be an institute of academic excellence in digital arena with global outreach delivering socially responsible professionals to become a university and an entrepreneurial hub.

B.TECH CSE(AI)

NIET offers a four-year under-graduate B.Tech course in Artificial Intelligence with a specialization in Blockchain Technology to provide a sound understanding of the fundamentals of the theory and practice of Artificial Intelligence. This course is best suited for students seeking to build world-class expertise in Artificial Intelligence and emerging technologies, which helps to stand out in the crowd and grow careers in the upcoming technological era.

Artificial Intelligence (AI) enables machines to learn from experience, when used they adjust with different inputs and perform tasks like a human. AI is used in various domains like finance, healthcare, video-games and automobile industry. As an example, applications like a pulse oximeter or chess-playing computers or self-driving cars use AI. The applications mentioned above heavily rely on natural language processing and deep learning. A large amount of data can be processed by computers with intelligent processing using these technologies.

B.Tech in Artificial Intelligence with specialization in Blockchain equips the student with an understanding of what is happening around the globe in Blockchain technologies and cryptocurrencies. During the tenure of this program, students shall develop an understanding and working knowledge of foundational Blockchain concepts, architecture, application, and solutions. One can gain advanced and in-depth knowledge of distributed ledger, Ethereum and Bitcoin cryptocurrency and can exploit research using a hands-on approach. It is designed to give exposure to the variety of applications that can be built using techniques covered under this program.

Highlights

- One of top colleges in Delhi/NCR and the first one to offer best-in-class B.Tech program in Artificial Intelligence.
- Builds a solid foundation in Blockchain Technology and ongoing industry-wide Blockchain frameworks through an industry-oriented curriculum.

- Learn through real-time industry projects sponsored by global leaders in Artificial Intelligence industry and regular live sessions by industry experts.
- Gain expertise in advanced topics such as knowledge representation, logical reasoning, robotics, machine learning, deep learning, pattern recognition, expert systems, natural language processing etc.

PROGRAM EDUCATIONAL OBJECTIVES

Our graduates will be able to

- Engage in successful professional practices in the area of Artificial Intelligence and pursue higher education and research.
- Demonstrate effective leadership and communicate as an individual and as a team in the workspace and society.
- Pursue life-long learning in developing AI-based innovative solutions for the betterment of society.

PROGRAM SPECIFIC Outcomes

Our graduates will be able to

- Apply Artificial Intelligence and its applications to design intelligent systems for the betterment of society.
- Develop AI-based innovative solutions demonstrating research, entrepreneurship, professional ethics, and communication skills.
- Demonstrate competency in AI by working in a team and engaging in life-long learning.

B.TECH IN CYBERSECURITY ABOUT THE COURSE

NIET offers a four-year under-graduate B.Tech course in Cyber Security which aims to develop a strong foundation that will allow students to learn comprehensive approaches to protect infrastructure including data and information. Cybersecurity plays pivotal role in today's information era. The demand for security and privacy of data is growing with each passing hour as effectiveness of a business relies on real time secure processing of data. The program will equip students with ability to perform risk analysis, mitigation techniques, architecting cloud-based security, along with gaining deep understanding of compliance standards with its best-in-class program.

This course is best suited for students seeking to build world-class expertise in the field of Ethical hacking, Cybersecurity, Digital Forensics, IT data and application security, Network security and data encryption. This will position students to make immediate impact as well as long term success as a cyber-security professional.

In this course, the focus will be on classroom activities that are designed to encourage students to play an active role in the designing of their learning strategies. This will include group case studies in the area of security, designing effective solutions to those challenging cases. Students will be exposed to a wide range of latest security techniques including cryptographic mechanisms and managing a range of systems from personal laptop to large scale infrastructures, to address the modern challenges in cyber security. The practical knowledge imparted to students will enable them to build robust systems to address increasingly sophisticated cyber threats amid advancing technologies.

Highlights

- Build practical applied skills relevant to current and emerging demands in the cyber security field.
- Learn the latest and most relevant tools, techniques, strategies, and technologies w.r.t Cyber Security.
- Refine your ability to think critically about how organizations manage security.
- Gain in-depth understanding, working with real-world case studies that reflect new and timely challenges in this domain.

PROGRAM EDUCATIONAL OBJECTIVES

- To help build the ability to analyze real world problems, identify root cause and design the solutions ethically by applying knowledge of various security tools at each stage of software development cycle to address the technical challenges of cybersecurity holistically.
- To build effective communication skills, professional attitude and a desire to learn emerging trends in security in each student.
- To have life-long learning, for up-skilling and re-skilling as security trends emerge, for a successful professional career as a security engineer, security architect, scientist, entrepreneur and acting in interest of the society.

PROGRAM SPECIFIC OBJECTIVES

- To be able to create secure applications, systems, and networks

- The ability to master the concepts and theories to navigate policy changes impacting computer security and develop cross-disciplinary strategy to tackling the complex challenges involved in keeping our digital information safe.
- The ability to conduct investigation of complex security problems and tackle the technical, regulatory and business challenges of cyber security ethically.