

**SHARDA UNIVERSITY UZBEKISTAN**

(Old Professional College of Industry and Transport), Bobur Avenue, 73, Andijan



**THE 1<sup>ST</sup> PRIVATE UNIVERSITY**

UNDER THE PRESIDENT DECREE TO OPEN IN ANDIJAN, UZBEKISTAN

**DISCOVER GLOBALLY  
BENCHMARKED  
ENGINEERING  
EDUCATION  
IN UZBEKISTAN**

**BE A PART OF  
INDIA'S LEADING EDUCATION GROUP**

**WITH 20,000+ STUDENTS, 1200+ FACULTY,  
23RD YEARS OF EXCELLENCE & 4 CAMPUSES IN INDIA**



# THE SHARDA UZBEKISTAN ADVANTAGE

## **BE INSPIRED BY TOP RANKED UNIVERSITY**

Share the legacy of a university that has been ranked No.1 in India for having maximum number of international students.

## **BE INDUSTRY CONNECTED:**

Participate in internships, industry projects and innovation challenges.

## **BE INTERNATIONALLY RECOGNISED:**

Maximise your career opportunities around the world with accreditation from Government of Uzbekistan.

## **BE FLEXIBLE AND FOCUSED:**

Focus on your preferred field from day one. Build skills in other areas like business or languages for a competitive edge.

## SHARDA UNIVERSITY UZBEKISTAN

Sharda University Uzbekistan has been established in line with Sharda's commitment to offer world class education to everyone. It is the first private university in Andijan, Uzbekistan, initiative of Sharda University, India's truly global university with students from 80+ countries which has over the years become one of the leading centres of education, research and innovation in Delhi NCR region.

Sharda University Uzbekistan has been established by Sharda Educational Trust, India. The admission of students to the Branch University will be implemented by Sharda University in collaboration with the Government of Andijan. Students will study full time at Sharda University in Uzbekistan.



"In a world of increasing global opportunities, we want you to think of Sharda University Uzbekistan as the launchpad to brighten your career prospects in Uzbekistan and across the world.

Sharda University has become a renowned name in world-class education in India and is committed to bring the same level of expertise to Uzbekistan.

Sharda University degrees are respected internationally, and our graduates are highly sought after in national and global workplaces.

I welcome you to be a part of this amazing experience!"

**PRADEEP KUMAR GUPTA**

Chancellor, Sharda University  
Chairman, SGI (Sharda Group of Institutions)

# B.TECH. COMPUTER SCIENCE & ENGINEERING

Computer Science & Engineering is one of the most Dynamic, Versatile and Leading program in Engineering domain with world-wide applicability in each field of economy. This program is industry specific which develops Engineers & Scientist with competence, innovation and logical thinking. It deals with design, development and implementation of both Software & Hardware processes in various realtime problems of the world. This program focuses on Teaching & Research in Cloud Computing, Cyber Security, Artificial Intelligence, Web Services, Computer Architecture and Algorithms. The aim of this program is to equip the students with skills and ability to analyze, design and develop computer-based systems and its applications. Students of this program will be able to get global benchmarking for their career.

## Required Credentials:

O'rta Ma'lumot To'g'risida Shahodatnoma (Certificate of Secondary Education)

## Minimum Academic Standard:

4 (B) cumulative GPA in academic subjects at secondary level



## UNIQUE FEATURES OF THE CURRICULUM

- » Programming for Problem Solving
- » Data Structures
- » Application based Programming in Python
- » Computer Organization and Architecture
- » Compiler Design
- » Principles of Operating System
- » Object Oriented Programming Using Java
- » Theory of computation
- » Data Base Management systems
- » Computer Networks
- » Design and Analysis of Algorithm
- » Software Engineering and Testing Methodologies

## CAREER PROSPECTS

Computer Science & Engineering graduates can make a career in areas like:

Web Applications, Computer Graphics, Video Games, Enterprise Computing, Embedded Systems, Network Administration, Mobile Applications, Computer Vision, Scientific Modelling, Computer Security, Database Systems, Animation, Wireless Network, Artificial Intelligence, Computational Skills, Computer Manufacturing, Computer Programming, Computational Biology, & Super-Computing to name a few.

# B.TECH. COMPUTER SCIENCE & ENGINEERING

## **WITH SPECIALIZATION IN ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

B.Tech. in Computer Science (Artificial Learning and Machine Learning) is an undergraduate programme with advanced learning solutions imparting knowledge of advanced innovations like machine learning, often called deep learning and artificial intelligence. This specialisation is designed to enable students to build intelligent machines, software, or applications with a cutting-edge combination of machine learning, analytics and visualisation technologies to solve realtime decision making problems. Many successful applications based on machine learning exist already, including systems that analyse past sales data to predict customer behaviour (financial management), recognize faces or spoken speech, optimize robot behaviour so that a task can be completed using minimum resources, and extract knowledge from bio informatics data.

### **Required Credentials:**

O'rta Ma'lumot To'g'risida Shahodatnoma (Certificate of Secondary Education)

### **Minimum Academic Standard:**

4 (B) cumulative GPA in academic subjects at secondary level

## UNIQUE FEATURES OF THE CURRICULUM

- » Artificial Intelligence
- » Pattern Recognition
- » Neural Network
- » Robotics & Intelligent Systems
- » Introduction to Deep Learning
- » Introduction to Machine Learning
- » Intelligent Agents
- » Soft Computing
- » Mathematical Techniques
- » Machine Learning
- » Machine Learning for Health Care
- » Natural Language Processing

## CAREER PROSPECTS

Ample career opportunities exist in a variety of domain like private companies, public organizations, education, health care, military and government institutions. The jobs in AI include Software analysts & developers, Computer scientists & computer engineers, AI & ML Algorithm specialists, Research Scientists & Engineering Consultants, AI & ML Engineer, Game Programmer, Robotic Scientist, Machine Learning and Artificial Intelligence Scientist, AI Software Engineer, Military and Aviation Electricians working with light simulators, drones, and armaments & so on.

# B.TECH. COMPUTER SCIENCE & ENGINEERING

## WITH SPECIALIZATION IN CYBER SECURITY

B. Tech. in Computer Science (Cyber Security and Forensic) imparts knowledge about the body of technologies, processes and practices designed to protect networks, computers, programs and data from attack, damage or unauthorized access.

Cyber forensics is a branch of digital forensic science pertaining to legal evidence found in cyberspace and digital storage media. The programme addresses the underlying need for cyber experts as the world is heading towards an internet explosion mostly fuelled by E-commerce, E-banking, E-governance & social media. The program train students to maintain a digital document chain for any structured investigation to find out exactly what happened on a computing device and who was responsible for it.

### Required Credentials:

O'rta Ma'lumot To'g'risida Shahodatnoma (Certificate of Secondary Education)

### Minimum Academic Standard:

4 (B) cumulative GPA in academic subjects at secondary level

## UNIQUE FEATURES OF THE CURRICULUM

- » Introduction to Cyber Laws
- » Computer Networks
- » Cyber Laws
- » Database Security
- » Cloud Security
- » Ethical Hacking
- » Security Architecture
- » Cyber Risk Management
- » Mathematical Techniques
- » Cryptography & Network Security
- » Exploit Writing
- » Disaster Recovery

## CAREER PROSPECTS

B. Tech. in Computer Science and Engineering with specialization in Cyber Security prepares students for an exciting career in the domain of finance, Manufacturing, Retail, Health Care, Government and Private, including the administration, departments under various ministries, IT and Security Industry, research organizations & Universities, both in Uzbekistan and abroad. There is a plethora of opportunities for Cyber Security graduates as Information Security Lead, Cryptanalyst, Cryptographer, Information Security Analyst, Security Architect, Security Engg., Security Systems Administrators & IT security Consultant.

# B.TECH. INFORMATION TECHNOLOGY

The Department of Information Technology is based on research and development in cutting edge technologies. The department conducts research in the areas like Information Security, Distributed Systems, Computer Networks, Enterprise Resource Planning, Software Engineering, Robotics and AI etc. This program enables students with strong foundation of Information and Communication Technology and develop ability to comprehend and analyse real life problems and provide IT solutions. The professionals will develop global acceptance for career in the field of application software design & development.

### Required Credentials:

O'rta Ma'lumot To'g'risida Shahodatnoma (Certificate of Secondary Education)

### Minimum Academic Standard:

4 (B) cumulative GPA in academic subjects at secondary level

## UNIQUE FEATURES OF THE CURRICULUM

- » Programming for Problem Solving
- » Application based Programming in Python
- » Computer Organization and Architecture
- » Data Structures
- » Object Oriented Programming Using Java
- » Human Computer Interaction
- » Android Application Development
- » Data Base Management systems
- » Principles of Operating System
- » Computer Networks
- » Software Engineering and Testing Methodologies
- » Design and Analysis of Algorithm

## CAREER PROSPECTS

Information Technology graduates can achieve career as Computer Hardware Engineer, Software Engineer, Information Systems Manager, Programmer, Network Systems and Data Analyst, Systems Analyst, Database Administrator, Systems Administrator, Support Specialist, Computer and Information Scientist.

# B.TECH. ELECTRONICS & COMM. ENGINEERING

B.Tech. in Electronics and Communication is a four year undergraduate program designed to train students in the field of communications utilizing science and applied mathematics to solve practical problems. Broadly, the program intends to inculcate an in-depth understanding of signals, circuits and how to use differential equations techniques for developing excellent Electronics and Communication products and devices.

The program commences with acquainting the students to the principles of Electronics Engineering, Computer Networks, Analog Electronics, Digital Signal Processing and Network theory. Progressively the program deals with the subjects like Digital Communication and Computer Architecture. In addition, the program also focuses on improving the skill set of students through industrial visits and practical sessions. A good number of weeks are dedicated training slots incorporated within the curriculum for the same. Students interested in learning more about Electronics and Communication can further pursue higher education.

#### Required Credentials:

O'rta Ma'lumot To'g'risida Shahodatnoma (Certificate of Secondary Education)

#### Minimum Academic Standard:

4 (B) cumulative GPA in academic subjects at secondary level

## UNIQUE FEATURES OF THE CURRICULUM

- » Solid State Devices
- » Microprocessors & Microcontrollers
- » Digital & Analog Communication
- » Analog Integrated Circuits
- » Satellite Communication
- » Microwave Engineering
- » Antennas and Wave propagation

## CAREER PROSPECTS

Sharda University Uzbekistan trains students to design, develop, test and supervise the manufacturing of electronic and communication equipment's. Graduates can work in industries such as Microelectronics, VLSI design, Embedded Systems, Satellite & Wireless Communications, Robotics & Mechatronics and Internet of Things.



# B.TECH. ELECTRICAL ENGINEERING

B.Tech. in EE is a 4 year degree program designed for training individuals to take up the role of electrical engineers in electric power generation, transmission and distribution and in the design and manufacturing of electrical equipment used in different sectors. It is aimed at developing a good theoretical background and practical skills, so that the electrical engineering graduates can take up the jobs right away.

The curriculum includes a wide spectrum of the electrical engineering and related subjects, starting with principles of electrical engineering and related subjects, starting with principles of electrical engineering and electrical signals and networks to electrical generation and transmission, power distribution and utilization, power electronics, electrical machines and drives, analog and digital electronics, microprocessors, control engineering and industrial automation.

### Required Credentials:

O'rta Ma'lumot To'g'risida Shahodatnoma (Certificate of Secondary Education)

### Minimum Academic Standard:

4 (B) cumulative GPA in academic subjects at secondary level

## UNIQUE FEATURES OF THE CURRICULUM

- » Power generation, transmission and distribution
- » Power electronics
- » Smart grid and micro grid
- » Electric vehicles and energy storage devices
- » Renewable energy generation
- » Pneumatic and digital controllers
- » Industrial control and automation
- » Smart city and building

## CAREER PROSPECTS

Operation and control of power plants, Design and operation of grid substations, Design and operation of distribution networks, Maintenance of electrical equipment's, Industrial Instrumentation and automation, Electrical machines manufacturing industry, Design and manufacturing of power convertors, Design and manufacturing of electrical appliances, Home/ Building automation equipment, Design and operation of industrial automation systems



## SHARDA UNIVERSITY INDIA

Sharda University has over the years become one of the leading centres of education, research and innovation in Delhi NCR region. Established through an act of State Legislature of Uttar Pradesh (14 of 2009), Sharda University offers over 216 UGC recognised degrees in various disciplines. It's a part of the renowned Sharda Group with operations in areas like Education, Healthcare and IT.

Being the only global university in India with students from 80+ countries, and academic partnerships with 180+ Universities across the world-USA, UK, Italy, Canada, Russia, Slovenia, et al, the University offers a truly international learning environment. That's why it says, "The World is Here, Where are You?"

### EXPERIENCE THE JOY OF BEING A PART OF INDIA'S LEADING EDUCATION GROUP

#### 13 MULTI-DISCIPLINARY SCHOOLS

Schools of Engineering, Management, Law, Architecture, Medical, Dental, Nursing, Pharmacy, Allied Health, Basic Sciences, Media, Art & Design, Education and Humanities & Social Sciences.

#### 1,200+ FACULTY FROM ACROSS THE GLOBE

Students learn from distinguished faculty from USA, UK, Greece, Singapore, Japan, Russian Federation & India among others.

#### MULTIPLE AVENUES FOR RESEARCH

Students do live projects in collaboration with top institutions like DRDO, MSME, DST, DBT, INSA and USAID.

#### OPPORTUNITY TO LAUNCH STARTUPS

Upto Rs.40 lac in scholarship is offered for Student StartUps through various programmes like Next StartUp, Syncubator and Xcelerator.

#### 37,500+ PLACEMENTS OVER THE YEARS

Sharda students are working for MNCs & leading corporates like Tech Mahindra, Microsoft, Cadence, TCS, Cognizant, Amazon, HCL, Dell, Wipro among others.