SHARDA UNIVERSITY

UZBEKISTAN

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SHARDA UNIVERSITY
Beyond Boundaries

SHARDA UNIVERSITY CAMPUS
Plot No. 32, 34, Knowledge Park-III, Greater Noida (Delhi-NCR)-201310
E-mail : admission@sharda.ac.in | **Website:** www.sharda.ac.in

#SoWhereAreYou?

SHARDA GROUP

SGI | SHARDA HOSPITAL SCHOOL OF MEDICAL SCIENCES & RESEARCH | SHARDA TECH | SHARDA LAUNCHPAD | MAXWELL BIOTECH | RSPL

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SHARDA UNIVERSITY

UZBEKISTAN

STUDY AT ASIA'S TOP LEADING GLOBAL UNIVERSITY IN UZBEKISTAN

FACULTY OF ENGINEERING AND TECHNOLOGY

B.Tech. | B.Tech. (Hons.) | PG Diploma | Skill Development

MAKING EDUCATION / WORK

WHERE THE WORLD COMES TOGETHER

Sharda University-Greater Noida (India)

SHARDA GROUP

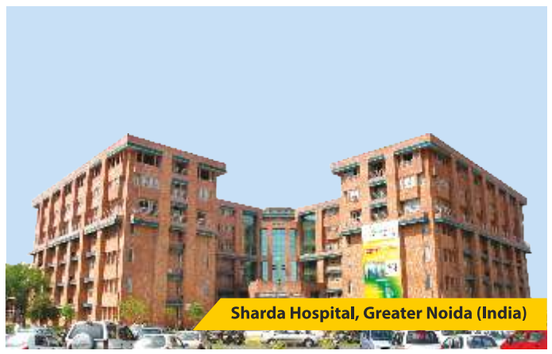
India's leading education, healthcare & IT group that has touched the lives of 2 million+ people.

Sharda Group. 25 years of an unprecedented journey of excellence. For over two decades, Sharda Group has been setting new benchmarks in education, healthcare and information technology through its entities - Sharda University, Sharda Hospital and Sharda Tech. The Group is on a vertical tangent of growth spearheaded by Mr. PK Gupta who lives by the treatise – It takes a vision to change the game. It is among the largest education groups in India with 20,000+ students studying in 4 campuses spread over 200 acres of land and 4000 employees with 47500+ alumni worldwide.

Through Sharda Hospital, the Group has been offering world-class medical care at affordable cost to the common man, while Sharda Tech offers a one stop shop, right from its digital marketing campaigns to innovative IT applications.

WHY THE WORLD IS HERE AT SHARDA

- Students from **85+ countries** have experienced Sharda
- **1200+ faculty** with global experience
- **250+ global tie-ups** with leading institutions
- **37,500+ placements** over the years in Sharda Group
- Prestigious accolades & rankings
- Rated by Forbes as a **Great place to study**
- Recognised with **'Gold Standard'** and received **'I-GAUGE'** certificate for excellence in online education by the **highly prestigious QS Ratings**


Sharda Hospital, Greater Noida (India)


Sharda University-Agra (India)

SHARDA UNIVERSITY UZBEKISTAN

The 1st independent private university in Uzbekistan approved under special Presidential decree

Sharda University Uzbekistan has been established in line with Sharda's commitment to offer world class education to everyone. It is the first independent private university in Uzbekistan that is being envisioned to become the gateway for students from Eurasia. Students of Sharda University Uzbekistan share the legacy of Sharda, India's truly global university with 27% students from 85+ countries; which has over the years become one of the leading centres of education, research and innovation in Asia.

In the next few years, the University will become the epicentre of future-focused education in various disciplines including Engineering, Management, Medical, Dental, Tourism and Hospitality, Law, Architecture, Design, Journalism &Mass Communication, Computer Applications, Basic Sciences, Nursing, Biotechnology, Food & Technology, Pharmacy, Physiotherapy, Paramedical, Education, Languages, Animation, Agriculture, Visual Arts and Stem Cell & Cancer Biology. Sharda University Uzbekistan will also establish Centres of Excellence to promote research and innovation that will benefit the entire mankind.

UNIQUE ADVANTAGES FOR SUU STUDENTS

- Sharda University Uzbekistan students can choose to study **(with same tuition fee, no extra fee)** for one year at Sharda's campuses in Greater Noida or Agra.
- Students can also pursue 3 months industry internship at leading corporate companies at Uzbekistan & Overseas.

Prestigious ratings received by Sharda University India:-

Accredited by — National Assessment and Accreditation Council

Rated by — nirf; Great Place to Study

Awarded by — QS I-GAUGE GOLD, SHARDA UNIVERSITY, QS I-GAUGE 2020; QS I-GAUGE

FACULTY OF ENGINEERING AND TECHNOLOGY

The Faculty of Engineering and Technology at Sharda University Uzbekistan has been established to develop industry-ready professionals who are passionate about building new engineering solutions for a better world. Students will have access to some of the world's finest facilities and a learning environment that fosters development as a collaborative and creative problem-solver. The Faculty of Engineering and Technology will go all the way with the tools, support and experiences to help the students develop strengths and passions, and become a well-rounded engineer.

PROGRAMMES OFFERED

B.Tech. | B.Tech. (Hons.)
PG Diploma | Skill Development

Prof. (Dr.) Sanjay Pal, Rector

Dr. Sanjay Pal is an Economist and Management Professional and has more than 2½ decades of experience in entrepreneurship, management, cluster development, value chain, teaching and research. He was instrumental in establishing India-Uzbekistan Entrepreneurship Development Centre in Tashkent, Uzbekistan. He worked as a Consultant with international organisations and wrote books on 'Supply Chain management- Strategies and Evaluation' and 'Human Resource Development and MSME Development'.

Mr. Satya Vir Singh, Vice Rector & Registrar

Mr. Satya Vir Singh has over 21 years of global experience in the areas of Accreditation, Affiliations, Tie-ups, Strategic Planning & Budgeting, Policy Formulation, Curriculum Planning & Design, Training, Recruitment, ITES and so on in leading Educational Institutions across India, Gulf and Africa. He has also done Educational Consultancy projects for Ernst & Young (EY India), GLG Consulting & The Smart Cube Consulting.

DISTINGUISHED FACULTY

Prof. (Dr.) Parma Nand, Professor

Dr. Parma Nand is Ph.D. from IIT Roorkee, M.Tech. & B.Tech. in CSE from IIT Delhi. He has more than 27 years of experience and got 'Best teacher award from Union Minister and best student's Project Guide Award from Microsoft in 2015. He has successfully completed government funded projects and has published 100+ research papers. He has spearheaded last five IEEE International Conferences on Computing, Communication & Automation (ICCCA).

Prof. (Dr.) Nitin Rakesh, Professor

Dr. Nitin Rakesh has Ph.D. in Computer Science & Engineering with Network Coding as his specialization. He has 100+ publications in Scopus Indexed/ SCI/High impact Journals and International Conferences. He is a contributory in various prestigious Accreditations like NAAC, NBA, QAA, WASC, UGC, IAU, IET and others.

Prof. (Dr.) Pooja, Associate Dean

Dr. Pooja is a Ph.D. in Computer Science & Engineering from National Institute of Technology, India. Till date she has published 06 patents. She has 85+ research publications in various conferences and journals including IEEE, Springer conferences, and Scopus Indexed Journals. Her interests include Machine Learning, Image Processing, Pattern Recognition, Natural Language Processing, Genetic Algorithms and Data Mining.

Dr. Danish Ather, Associate Professor

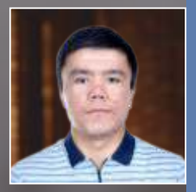
Dr. Danish Ather is M.C.A, M.Tech. (CSE) Ph.D. in Computer Science. He is a senior member of IEEE and voluntarily serves many NGOs of national and international levels for supporting education. He is having 15+ years of experience in teaching and research with more than 22+ research papers published in various conferences and journals including IEEE, Springer conferences, and Scopus Indexed Journals. 03 Australian innovation patents are granted and 03 Indian patents have been published in his name. Dr. Ather received several awards and appreciation from various government and private organizations for his voluntary work in the area of education.

Dr. N. G. Pramod, Assistant Professor

Dr. Pramod has over 10 years of experience in the field of Science, with a strong background in teaching, research and academic administration, as well as expertise in delivering high-quality lectures at undergraduate & postgraduate levels. He is also involved in scientific research on nanoscience & nanotechnology, developing paper presentations, manuscripts for publications, and managing projects.

Mr. Bikash Paul, Assistant Professor

Mr. Bikash Paul has M.Sc. from University of Calcutta and UGC-CSIR NET qualified which allow Indian nationals to teach in colleges and universities. Areas of interest include Algebraic Topology and Differential Geometry.



Mr. Nodirbek Yuldashev, Teaching Associate

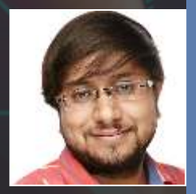
Mr. Nodirbek Yuldashev is a BS in Computer Science and Engineering with an array of technical and soft skills. With his extensive experience of teaching and mentoring students at institutes of repute, Mr Nodirbek Yuldashev is committed to provide creative educational knowledge and superior instructional support to his students. His areas of interest include ICT in Education, AI, IoT, Machine Learning etc.

Ms. Zulayho Majidova, Visiting Faculty

Ms. Majidova has been teaching for 16 years since 2004 at different high educational establishments as ASPIL, Andijan State University, Andijan Medical Institute, Andjan branch of Tashkent State Agrarian University. She has published a textbook and more than 20 articles and thesis in international scientific journals. She has participated in international PAWER conferences funded by Erasmus+ as an interpreter of the Vice Rector of Andijan Branch of Tashkent Sate Agrarian University in Almaty, Kazakhstan.

Mr. Nosirjon Abdurazakov, Visiting Faculty

BS in Telecommunication from Tashkent University of Information Technologies and MS in Engineering from Chonnam International University.



Mr. Gaurav Gupta, Industry Expert

Over 15+ years of application development experience in areas of Security, Machine Learning & Quantitative Algorithms. TEDx Speaker in the area of Cognitive Neuroscience & holder of 4 USA Approved Patents. Worked with companies like Microsoft, Adobe as Senior Computer Scientist/Machine Learning Architect. Finalist of "Capgemini Super Techies Show" and solved LIVE problems on National TV. Co-Founder of Blockchain and Artificial Intelligence powered data marketplace.]

FUTURE PROSPECTS:

1. Higher Study Abroad | **2. Job Placement** | **3. Entrepreneurship**

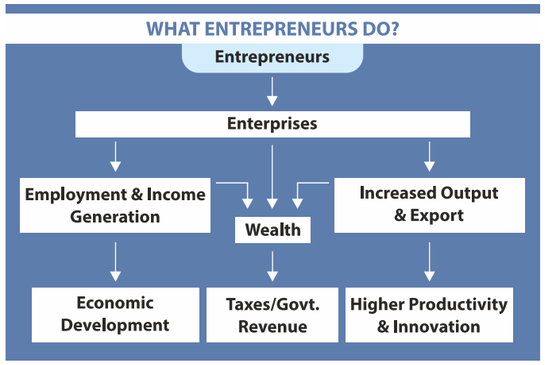
1. Higher Study Abroad-Sharda India other Partner Universities Overseas

2. Job Placement- Placement support

A dedicated Placement Cell managed by competent professionals will liaison with companies, disseminate information and organise interviews for placement.

3. Entrepreneurship:

Entrepreneurs creates enterprises and thus identify business opportunities, convert raw material into final product, create wealth and employment, promote value addition and contribute in export and economic development. Therefore, passing out students can think of launching a start-up and thus choose the carrier of entrepreneurship.



ROAD TOWARDS ENTREPRENEURSHIP

Sharda University Uzbekistan through a dedicated Entrepreneurship Development Cell (EDC) will provide, coaching, guiding, counselling and mentioning to students enabling them to start new enterprises. The EDC will work towards enhancing skill, attitude and knowledge so as to encourage students for launching their enterprises.

Tripod of Entrepreneurial Competencies
Aptitude | Knowledge | Skill

FOCUS	OBJECTIVES	INPUTS
Entrepreneur	Reinforcement of Entrepreneurial Traits	Motivation and behavioural inputs
Enterprise Establishment	Facilitation of Decision Making process to setup new venture	Business opportunity guidance, information, project planning and technical inputs
Enterprise Management	Successful and profitable operation of an enterprise	Managerial and soft skill inputs

Students will be provided with adequate guidance and mentoring support enabling them to launch their own enterprises.

STEPS TOWARDS ENTREPRENEURSHIP

- Scanning Business Opportunities
- Selecting Business Idea
- Market Research
- Identifying Appropriate Technology
- Analyzing Financial Feasibility
- Business Plan Preparation
- Prototype Development
- Test Marketing
- Accessing Finance
- Enterprise Establishment
- Product Launching

SUUz in collaboration with Sharda India Launchpad and other Incubation Centres run by foreign universities in different countries, will provide incubation support to the students.

SHARDA LAUNCHPAD FEDERATION
AN EARLY STAGE INCUBATOR AND ENTREPRENEURIAL ECOSYSTEM

EDC, in collaboration with industry associations, Chamber of Commerce & Industry, will conduct programme/activities for New Enterprise Creation (NEC) as well as Family Business Management (FBM) where students can participate and learn the techniques.

Activity Spectrum of EDC

EDC will provide 360° handholding support enabling students to start, sustain ang grow their businesses.

1. Enterprise Creation | **2. Enterprise Sustenance** | **3. Enterprise Growth**

Tripod of Entrepreneurship

1. Entrepreneur | **2. Enterprise** | **3. Support System**

Eco-system:

Students will get an opportunity to participate in different Eco-system development activities as mentioned below;

- Idea Pitching Session
- Hackathon
- Business Plan Competition
- R&D Support
- Start-up Support
- Investor Pitching
- Entrepreneur- Banker /VC/AI Interface
- Mentor Network
- Networking (PPP)
- Business Accelerator

EDC Hardware:

- 24x7 hrs, 365 Days support to potential entrepreneurs
- Sharda Launchpad
- Collaboration Abroad: Global Network
- Directory of Business Opportunities
- Market Research Reports
- Repository of Business Plans
- Technology Data Bank
- Access to Finance Guidebook
- Business Internationalisation Platform
- Seed Fund- 10 Billion Sum

Landscape of Incubation and Mentoring Support:

- Coaching on Entrepreneurship as Career.
- Guidance in selecting Product
- Coaching in Business Plan Preparation
- Mentoring in Accessing Technology / Market
- Networking for Accessing Finance
- Support in Prototype Development
- Handholding for Enterprise Launching
- Business Acceleration Support

BACHELOR OF TECHNOLOGY

B.Tech. | B.Tech. (Hons.)

Bachelor of Technology is a four years programme which focuses on a blend of practices and theories based on modern industries and futuristic technologies. This programme prepares students for general careers in the broad field of Technology. While students may specialize in a particular technology, the key purpose of the degree is to equip students with the confidence to work in diverse domains of technology to fulfil the demands of rapidly evolving industries. In the beginning year, students are exposed to engineering before choosing a specialization for second year and beyond.

The Undergraduate (Hons.) programmes at Sharda University are designed for those graduate students who wish to extend their education in a specific area of interest. If a student, after successful completion of the degree wants to acquire an internationally recognised qualification (which requires sixteen years of schooling) can opt for an Honours programme of one year. This programme can be earned through independent study, guided projects or industry internships.

PROGRAMME STRUCTURE

Entry After	Year I	Year II	Year III	Year IV	Year V
Grade XI	B.Tech.				B.Tech. (Hons.)/PG Diploma
Grade XI	Skill Dev.	B.Tech.			B.Tech. (Hons.)/PG Diploma
Grade XII	Skill Dev.	B.Tech.			B.Tech. (Hons.)/PG Diploma

KEY HIGHLIGHTS

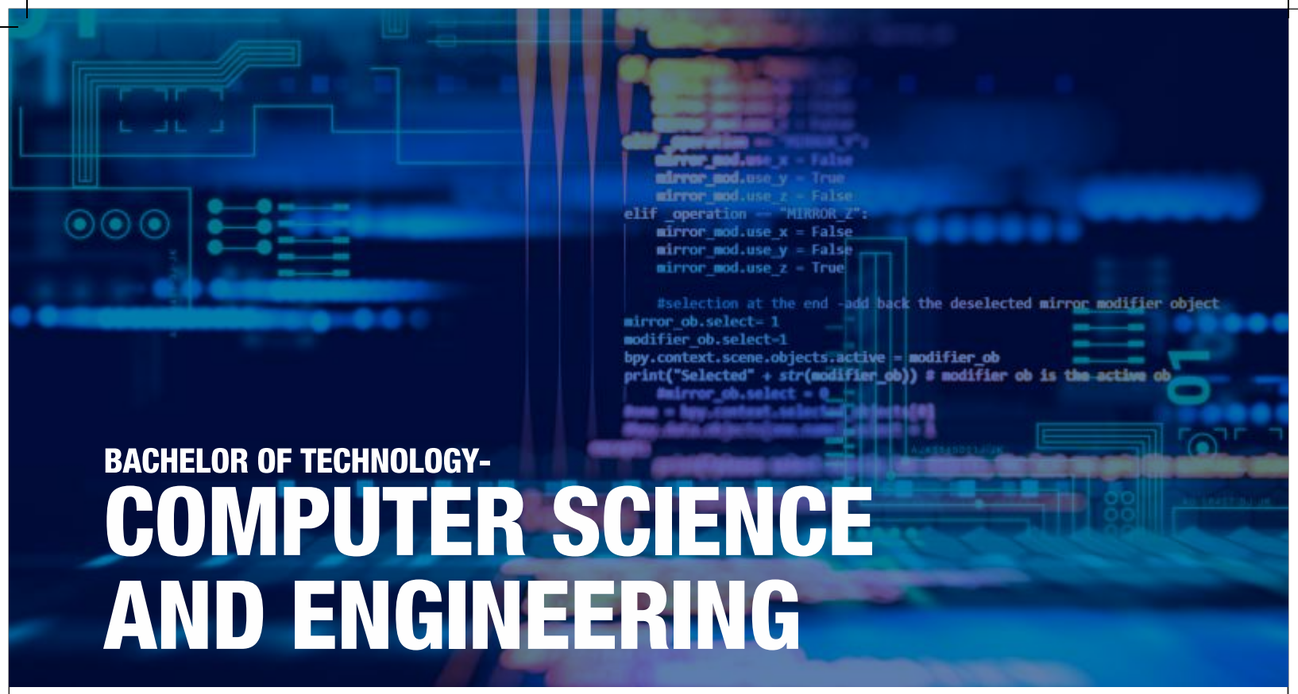
- Meticulously designed curriculum with deliberations from top professionals and academic bodies with an aim to nurture industry ready employable workforce.
- A judicious blend of theory and practice, focusing on experiential, collaborative and project-based learning by providing more hours of practice in the labs.
- Average class sizes of 40-50 students, so that students can interact more with professors and to develop a close knit student-professor bond.
- Eminent faculty from renowned Universities from all around the world.
- Focus on stimulating high-end technological research and analysis skills among students.
- Opportunity to participate in a full-time internship semester or summer away from campus to gain international exposure.
- Special emphasis on Start-Ups and promoting entrepreneurship through various programmes.
- International Immersion Programme with leading Universities of the world for student exchange and research.

ENTRY REQUIREMENTS

- You should have completed your Grade XI (11/12 years of compulsory education)
- Candidate should qualify Sharda University Scholarship & Admission Test (SUSAT-2021)
- Personal Interview (For Uzbekistan Students)/Online Interview (For International Students)
- IELTS or higher

B.Tech. | B.Tech. (Hons.)

- Computer Science & Engineering (CSE)
- CSE with specialization in Cyber Security
- CSE with specialization in Artificial Intelligence and Machine Learning



BACHELOR OF TECHNOLOGY-

COMPUTER SCIENCE AND ENGINEERING

This programme equips students with the skills needed to contribute to this exciting and rapidly evolving field. It is this combination of skills that enable our graduates to keep pace with this fast-moving subject and secure rewarding careers that can be pursued across the globe. The students acquire technical knowledge, skills and background for designing and organisation of computer systems.

The programme helps the students in their ability to critically evaluate design paradigms, languages, algorithms, and techniques used to develop complex software systems. They also learn to evaluate and respond to opportunities for developing and exploiting new technologies. The programme offers tremendous flexibility and learning opportunities through credit based approach. This programme helps students to undertake professions encompassing innovation and problem solving by means of computational techniques and technologies; students can also undertake advanced studies for research careers; besides they can start up own enterprises.

PROGRAMME OUTCOME

Students of B.Tech. - Computer Science & Engineering, on the completion of graduation will be able to:-

1. Acquire and apply mathematical foundations, computer science theory and principles, knowledge for modelling and designing of computer based systems.
2. Develop the ability to evaluate design paradigms, languages, algorithms, and techniques to develop complex hardware/software systems in all domains like healthcare, banking and finance, law, etc
3. Develop innovative technical solutions to fulfil the rapidly evolving industry demands.
4. Think independently, take initiative, lead a team of engineers or researchers and inculcate team spirit.

CAREER OPTIONS

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

- Web Applications
- Embedded Systems
- Computer Security
- Computer Graphics
- Network Administration
- Database Systems
- Video Games
- Mobile Applications
- Animation
- Enterprise Computing
- Scientific Modelling
- Wireless Network

PROGRAMME FEE

Duration	*Fee Per Year (In USD)*	*Fee Per Year (In s'om)*
4 Years / 5 Years (Hons.)	$3200	33,632,000

SPECIALIZATIONS OFFERED

- CSE with specialization in Cyber Security
- CSE with specialization in Artificial Intelligence & Machine Learning

PROGRAMME STRUCTURE

- Credits required for graduation: 240
- Credits required as essential distribution requirement: 200
- Credits free to choose from anywhere (including from programme and specialization beyond minimum): 40 (Subject to meeting the prerequisites).

UNIVERSITY CORE:

- Basic English course OR Intermediate English Course
- Proficient English Language Course OR Advanced English Language through Literature
- Professional Ethics
- Principles of Management for Engineers
- Introduction to Sociology-humanities
- Uzbekistan History-I/Uzbekistan History-II
- Capstone Design-I
- Capstone Design-II

SCHOOL CORE:

- Problem Solving Using Programming Language with Lab
- Object Oriented Programming with Lab
- Programming Project Lab
- Chemistry
- Chemistry Lab
- Principles of Electrical Engineering and Electronics
- Basics of Electronics
- Principles of Electrical Engineering and Electronics Lab
- Math-I
- Math-II
- Discrete Structure
- Physics-I with Lab
- Physics-II

PROGRAMME CORE:

- Computer Organization and Architecture
- Data Structures with Lab
- Introduction to Computer Science & Engineering/ Introduction to AI-ML/Introduction to Cyber Security & Laws
- Principles of Operating System with Lab
- Theory of Computation
- Database Management System with Lab
- Project Based Learning (PBL) - 1
- Design and Analysis of Algorithm with Lab
- Software Engineering and Testing Methodologies with Lab
- Computer Networks with Lab
- Project Based Learning (PBL) -2
- Internet & Web Technologies with Lab
- Compiler Design with Lab
- System Simulation & Modeling
- Project Based Learning (PBL) -3
- Artificial Intelligence with Lab
- Introduction to Virtualization and Cloud Computing

ELECTIVES

COMPUTER SCIENCE AND ENGINEERING:

Mathematical Techniques
Introduction to Graph Theory and its Applications
Application Development with Android
Concepts of Neural Networks
Introduction to Cloud Computing
Ethical Hacking
Quantum Computing
Digital Image Processing
Free and Open source software
Human Computer Interaction with Lab
Introduction to Big data
Cryptography and Network Security
3D Printing and Software Tools
Risk Management
Software Project Management
Introduction to Internet of Things
Parallel Computing Algorithms
Mobile Computing
Software Testing
Wireless networks

COMPUTER SCIENCE AND ENGINEERING WITH SPECIALISATION IN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Concept of Machine Learning
Concepts of Neural Networks
Soft Computing
Digital Image Processing
Pattern Recognition
Deep Learning and Its Applications
Recommender Systems
Introduction to Natural Language Processing
Applications of AIML in healthcare/ICT/Computer Networks
Computer Vision

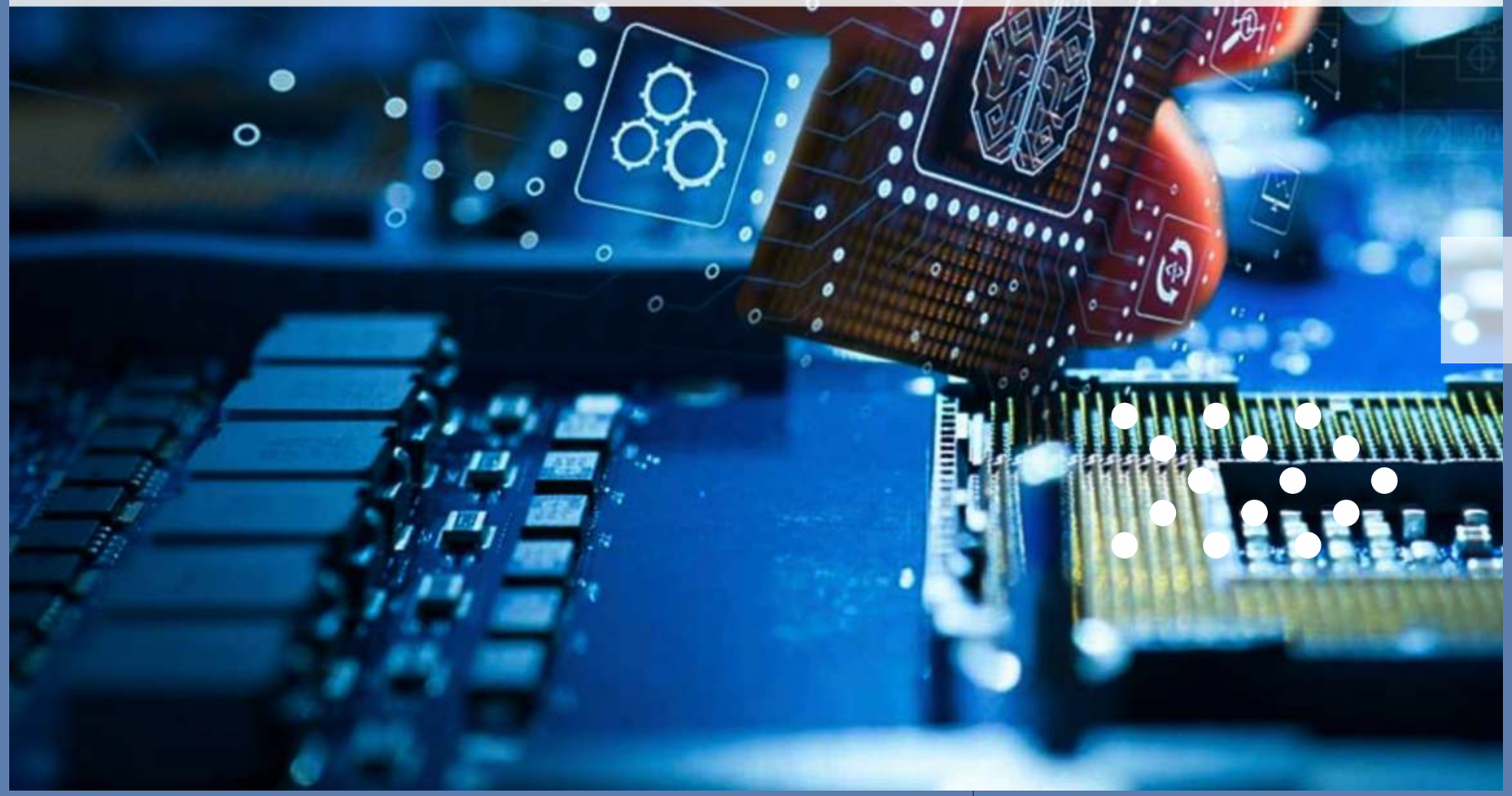
COMPUTER SCIENCE AND ENGINEERING WITH SPECIALISATION IN CYBER SECURITY

Digital forensics
Security Architecture
Ethical Hacking
Disaster Recovery Management
Cryptography and Network Security
Malware Analysis
Information Security & Audit Monitoring
Intrusion Detection and Prevention System
Introduction to IoT and It's Security
Security Threats Intelligence and Risk Management

POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS

DURATION: ONE YEAR
ELIGIBILITY: GRADUATION IN IT/CSE/ENGINEERING DISCIPLINE

Post Graduate Diploma in Computer Applications (PGDCA) is designed for individuals who desire to learn computer applications in different fields viz. like Medical, Manufacturing, Healthcare, Retail, Finance and Agriculture industries, Banking, Insurance, Accounting etc. PGDCA allows students to seek professional computer knowledge. This programme provides specialisation in computer science with technical, professional and communications skills. It also trains students to become future IT professionals.



KEY HIGHLIGHTS FOR ARTIFICIAL INTELLIGENCE

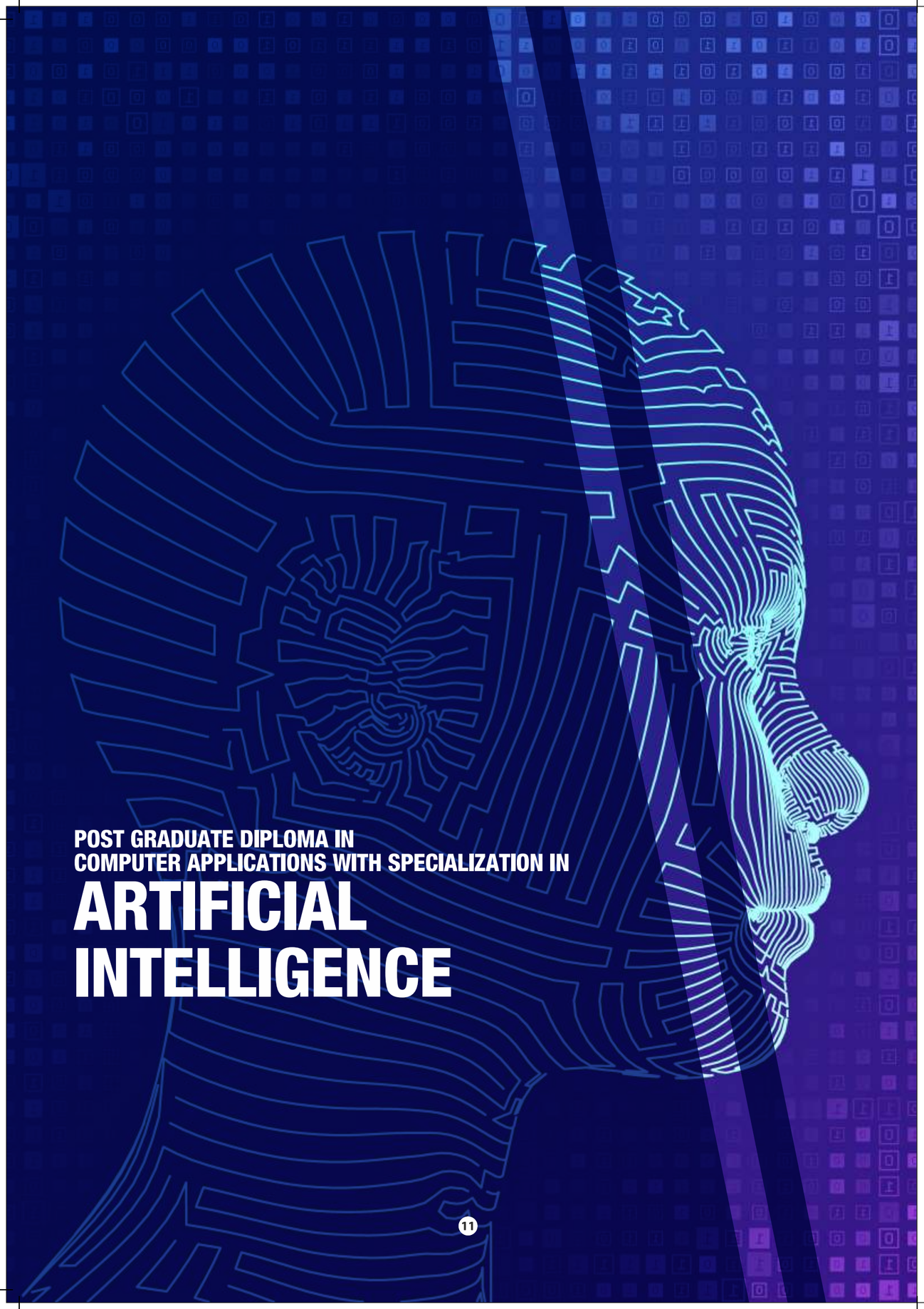
- Specialized curriculum to provide in-depth knowledge on AI techniques and inculcate innovative and critical thinking to cater complex problems from industry.
- Faculty team is specialized in the AI domain to make students job ready for top companies.
- Blended learning methodology and vibrant industry-academia collaborations.
- Two-week capstone projects where students will design and build intelligent solutions.
- Interactive sessions followed by responsive Q & A sessions.

KEY HIGHLIGHTS FOR INTERNET OF THINGS (IoT)

- Interactive classroom sessions.
- Blended learning methodology and vibrant industry-academia collaborations.
- In-depth course delivery from IoT domain experts
- Opportunity to work on a team and individual to design, build and implement a prototype IoT system, under the supervision of experts.
- Interactive sessions followed by responsive Q & A.
- Projects and practical assignments after each module.

Post Graduate Diploma In Computer Applications
specialization in:

- Artificial Intelligence (AI)
- Internet of Things (IoT)



POST GRADUATE DIPLOMA IN
COMPUTER APPLICATIONS WITH SPECIALIZATION IN

ARTIFICIAL INTELLIGENCE

Artificial Intelligence (AI) is the buzzword today that has touched almost every aspect of our life in a short span of time. Every industry has been influenced by these emerging technologies at an unbelievable pace. Almost every organization from startups to large companies across the globe is looking for AI based solutions to fulfill their business needs. AI experts are in high demand at as organizations need to analyze the market requirements, explore the meaningful business insights, predict the consumer behavior and take wise decisions from this data. This course will provide the in-depth knowledge on Artificial Intelligence techniques and inculcate innovative and critical thinking to cater complex problems from industry.

OBJECTIVE OF THE PROGRAMME

The objective of this one year diploma course is to inculcate innovative and critical thinking with expert knowledge in the field of AI amongst the students. In this programme our focus is to provide the in-depth knowledge of in-demand skills of top companies.

Our experts have designed a specialized curriculum to provide the in-depth knowledge on AI techniques and inculcate innovative and critical thinking to cater complex problems from industry. We have a strong faculty team dedicated to AI domain to make you job ready for top companies. We invite you to learn from AI experts and gain practical knowledge for solving complex problems in different application domain such as: Medical, Manufacturing, Healthcare, Retail, Finance and Agriculture industries.

PROGRAMME OUTCOME

Upon successful completion of this course, the student shall be able to :-

1. Demonstrate fundamental understanding of the history of artificial intelligence (AI) and its foundations.
2. Apply basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation, and learning.
3. Demonstrate awareness and a fundamental understanding of various applications of AI techniques in intelligent agents, expert systems, artificial neural networks and other machine learning models.
4. Have insight into the main methods used in machine learning (ML) and artificial intelligence (AI).
5. Demonstrate proficiency in applying scientific method to models of machine learning.
6. Demonstrate an ability to share in discussions of AI, its current scope and limitations, and societal implications.
7. Design and conduct experiments using the methods, with emphasis on evaluation.

CAREER OPTIONS

There are plenty of job opportunities available today ranging from software engineer to core AI and ML engineer. You just need to start riding this ladder to reach a promising career. Students can achieve career as:

- *Software Engineer*
- *Computer Programmers*
- *Computer Presentation Specialist*
- *AI/ML Manager*
- *Computer Systems Analysts*
- *Database Administrators*
- *AI/ML Independent consultant*
- *Computer Support Service Specialist*
- *Subject Matter Expert*

PROGRAMME FEE

Duration	*Fee Per Year (In USD)*	*Fee Per Year (In s'om)*
1 Year	$3500	36,785,000

PROGRAMME STRUCTURE

Programme Structure of Post Graduate Diploma in Computer Applications with Specialization in Artificial Intelligence:

Term-I
Introduction to Artificial Intelligence & Machine Learning
Introduction to Machine Learning
Introduction to Neural Networks
Problem Solving using Python
Project

Term-II
Concepts of Machine Learning
Deep Learning and Its Applications
Cloud Platform for Artificial Intelligence
Problem Solving using R Script
Capstone Project

POST GRADUATE DIPLOMA IN
COMPUTER APPLICATIONS WITH SPECIALIZATION IN

INTERNET OF THINGS

The course discusses the fundamental concepts in Internet of Things (IoT) networking, and programming of IoT applications, and ways to choose and apply different networking protocols for resource-constrained IoT devices. This course uses a blend of lectures and experiential learning tools to provide expertise in ideation, design, development, and deployment of IoT applications and systems. The course will provide hands-on experiential learning using leading IoT platform Arduino. This course provide an overview on the ICT ecosystem and enabling environment to foster Internet of Things including technology, standards and regulatory frameworks and application deployments

OBJECTIVE OF THE PROGRAMME

The course enables student to understand the basics of Internet of things and protocols. It introduces some of the application areas where Internet of Things can be applied. This course will enable the student to utilize various Embedded Technologies related to IoT and Communication Protocols. The course is also designed to learn the importance of IoT in society, the current components of typical IoT devices, IoT design considerations, constraints and interfacing between the physical world and device.

PROGRAMME OUTCOME

Upon successful completion of the programme, the students will be able to:-

1. Recognize the Components of The Internet of Things
2. Analyze various views and design constraints for IoT reference architecture
3. Explain the concepts of logical design of IoT System using Python.
4. Getting practical Knowledge of IoT Microcontroller Platform
5. Explain the Concept of Sensors and Actuators
6. Demonstrate the technologies and the standards relating to the Internet of Things
7. Implementation of IoT Protocols to solve real life problems

CAREER OPTIONS

The course is designed for aspirants who wish to gain insight into IoT career. There are various opportunities in IT sectors, Telecom, Agriculture, Automotive, Energy, Manufacturing etc. Students can achieve career as:

- *Specialized IoT Engineer*
- *Application Consultant*
- *Enterprise Architect*
- *System Architect*
- *Business Process Architect/Developer*
- *IoT System Design Engineer*
- *Business Analyst*
- *Solution Architect*
- *Technology Consultant*
- *IoT System Manager*
- *Developer Consultant*
- *System Administrator*
- *Program / Project Manager*

PROGRAMME FEE

Duration	*Fee Per Year (In USD)*	*Fee Per Year (In s'om)*
1 Year	$3500	36,785,000

PROGRAMME STRUCTURE

Programme Structure of Post Graduate Diploma in Computer Applications with Specialization in Internet of Things :

Term-I
Introduction to Internet of Things
IoT : Sensing & Actuator Devices
Embedded System
Problem Solving using Python
Project

Term-II
IoT Wireless Technologies & communication Protocols
Micro-controller programming using Arduino
Architecture and Design Principles for IoT
Applications of IoT
Capstone Project

SKILL DEVELOPMENT CERTIFICATION COURSE

Eligibility: 11th or 12th Pass Students
Duration: One Year

Skill development programmes are designed to promote skills among its students and youth, with a greater emphasis on the improvement of employment opportunities and research activities. This programme's main objective is to enable a large number of uzbekistan youth to take up industry-relevant skill training to secure a better livelihood.

KEY HIGHLIGHTS

- **Interactive classroom sessions.**
- **Blended learning methodology and vibrant industry-academia collaborations.**
- **In-depth course delivery from domain experts**
- **Opportunity to work on team and individual projects.**
- **Learn basic concepts though hands on sessions.**
- **Projects and practical assignments after each module.**

SKILL DEVELOPMENT CERTIFICATION COURSE ON WEB DESIGNING AND APPLICATION DEVELOPMENT

This course is a complete combination of Web design and web application development. In this course we are introducing designing effective web pages, implementing web pages by writing HTML and CSS code. We also explain the use of page layout techniques, text formatting, graphics, images, and multimedia and multi-page websites. All though we also covered the complete web development with all advanced web programming languages which makes you a complete web developer.

OBJECTIVE OF THE COURSE

This programme is a complete combination of web application design and its respective development which gives you a complete exposure of the current market scenario related to the web application domain. The course will provide complete hands-on experiential learning using latest tools and technologies running in the market. With the help of this course, students are able to stand in the huge market of web development.

OUTCOME OF COURSE

Upon successful completion of the programme, the students will be able to:

- Understand the principles of creating an effective web page, including an in-depth consideration of web architecture.
- Become Familiar with web design principles that are applicable to deploy theories into practical.
- Understand web terminologies using the backend.
- Understand responsive web design.
- Develop basic programming skills such as PHP, HTML5, JQuery and JavaScript.
- Be able to integrate social media content to web pages.
- Understand the uses of recent tools in coding and web application development

CAREER OPPORTUNITIES

The course is especially designed to keep in mind about the recent as well as upcoming trends in the broad area of web development. There are various opportunities in IT sectors, Banking Sectors, Cloud Domain, Education, Gaming, Multimedia Agriculture, etc. Their progression pathway will start from Specialized Web designer cum developer. The other positions are Application Developer, Web Designer, Web Developer, Web Content Manager, Multimedia Programmer, ERP developer, UI Designer, UX Designer, Web Analyst etc.

SKILL DEVELOPMENT CERTIFICATION COURSE ON ANDROID APPLICATION DEVELOPMENT

In this course, basic knowledge of java and android development will be delivered. Hands-on experiments for Simple android app development will be given. Working on android studio.

OBJECTIVE OF THE COURSE

The programme uses a blend of lectures and experiential learning tools to provide expertise in ideation, design, development, and deployment of Android Applications. The course will provide hands-on experiential learning using Android Studio. This course will enable the student to build basic android apps.

OUTCOME OF COURSE

Upon successful completion of the programme, the students will be able to:

- Use android studio for app development
- Understand the concept of java & android programming
- Recognize the components of android programming
- Explain the Concept of Intents
- Develop Concept of android database
- Create basic android app

CAREER OPPORTUNITIES

The course is designed for aspirants who wish to gain insight into Android app development as a career. There are various opportunities in IT sectors, Telecom, Agriculture, Automotive, Energy, Manufacturing etc.

PROGRAMME FEE

Duration	*Fee Per Year (In USD)*	*Fee Per Year (In s'om)*
1 Year	$2000	21,020,000

STUDY ABROAD PROGRAMME

PATH TO BECOME A GLOBAL LEADER

An international experience is a must in today's environment and offers students a new perspective to meet real world challenges. So for those of you who aspire to potentially open new avenues-academically and personally, Sharda's Study Abroad Programme is the passport to the world.

The route to self development through study abroad

- See the World
- Hone Your Language Skills
- Be attractive to future employers
- Find New Interests
- Make Lifelong Friends
- Develop your personality
- Get a life time experience
- Earn transferable course credits
- Pursue an international project
- Earn international degree/certificate at low cost

CREDIT TRANSFER

Sharda University Uzbekistan has credit transfer agreements with:

- College of Law & Business, Israel
- University of Plymouth, UK.

The route to credit transfer:

- Interested students can start their studies in Sharda University
- Transfer to Partner University in Year 1 or in Year 2 or in Year 3.
- Credit transfer students graduate with the degree of the partner university.

COLLEGE OF LAW & BUSINESS

UNIVERSITY OF PLYMOUTH

SEMESTER EXCHANGE

The route to semester exchange for students of Sharda University Uzbekistan:

- SUU students can transfer to partner universities for one semester
- Students pay ZERO tuition fees to the partner universities
- Credits received in the semester exchange would be transferred from Sharda University and vice versa after the courses have been mapped & approved in advance from both Sharda University and the partner university.

FINANCIAL UNIVERSITY

Ural Federal University

moscow polytech

ITMO UNIVERSITY

University of Santiago Coracao

Universidad del Rosario

POLITÉCNICO DE LEIRIA

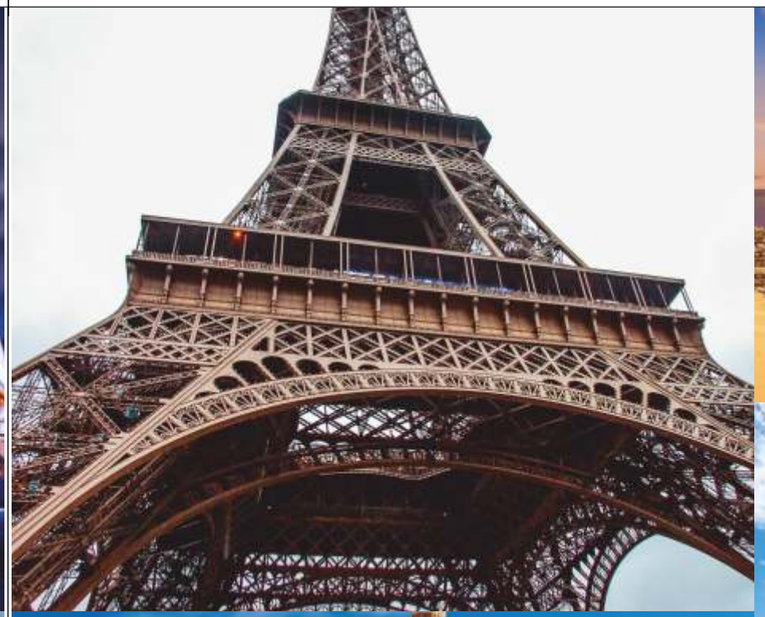
UNIVERSIDAD Ð CORDOBA

UNIVERSITAS PGRI MADIUN UNIPMA

İSTANBUL ŞEHİR UNIVERSITY

- Financial University under the Government of the Russian Federation is considered among top 5 universities in Russia according to Forbes and RBC.
- D. Serikbayev East Kazakhstan State Technical University is a leading university in Central Asia.
- Istanbul Sehir University is one of the most prestigious and leading non-profit foundation universities in Turkey.









250+ Tie-Ups with Leading Global Universities

Some of the top universities with whom Sharda University has tie-ups.

- Cardiff Metropolitan University, UK
- University of the West of England, UK
- Heriot Watt University, UK
- Middlesex University, UK
- Northumbria University, UK
- Eurecom, France
- Mendel University, Czech Republic
- New York College, Greece
- Siberian Federal University, Russia
- Ural Federal University, Russia
- Telecom Ecole de Management, France
- University of Cordoba, Spain
- EUDE, Spain
- University of Cyprus, Cyprus
- University of Ljubljana, Slovenia
- University of Malta, Malta
- University of Warsaw, Poland
- Curtin University of Technology, Australia
- La Trobe University, Australia
- RMIT University, Australia
- Arkansas State University, USA
- Letourneau University, USA
- Missouri State University, USA
- University of Baltimore, USA
- University of Central Arkansas, USA
- University of Illinois, USA
- University of Western Ontario, Canada
- Institute Universitaire de la Cote, Cameroon
- Jigjiga University, Ethiopia
- University of Alexandria, Egypt
- Kampala International University, Uganda
- Wachemo University, Ethiopia
- University of The Gambia, The Gambia
- ADA University, Azerbaijan
- CEDS University, Bangladesh
- College of Law and Business, Israel
- Eurasian National University, Kazakhstan
- Georgian National University, Georgia
- Ghalib University, Afghanistan
- Istanbul Aydin University, Turkey
- Kabul University, Afghanistan
- Payap University, Thailand
- Taipei Medical University, Taiwan
- Woosong University, South Korea

WORLD-CLASS ACADEMIC FACILITIES

Sharda University Uzbekistan campus combines modern teaching and study spaces on acres of landscaped greenery. The campus includes academic support, accommodation, sports, culture and entertainment; everything a student needs in a global university.

[1]

Connect
Stay connected 24x7 seamless Wi-Fi network

[2]

Experience
Guest lectures, events & activities in auditorium & seminar halls.

[3]

Stay
Experience staying in a hostel that's a home away from home.

[4]

EXERCISE
Stay fit at the on-campus gymnasium.

[5]

PLAY
Relax by playing many outdoor & indoor games.

[6]

LEARN
Browse through books and journals in libraries.

EVENTS THAT SHOWCASE WORLD CULTURE

Sharda University Uzbekistan encourages students to organise and participate in various events to build an all round personality to excel. In the academic session 2020-21, various academic, cultural and sports events were held which saw participation by educationists from leading universities abroad and industry professionals.

01 Session on ethical practices benefitted the students of SUUz.

02 An interactive session on Uncommon beliefs that not everyone follows, especially youth was arranged by Literary Club.

03 Interaction with representatives of UFA University, Russia.

04 More than 2400 students from all the regions of Uzbekistan participated in the Sharda Science Olympiad.

05 Industry visit - provided opportunity for learning from the practice.

06 Two Days Film Festival was organized by Literary and Synergy Club on 16th & 17th January 2020 to let students experience a new way of learning.

07 Visit to understand management practices of the textile industry.

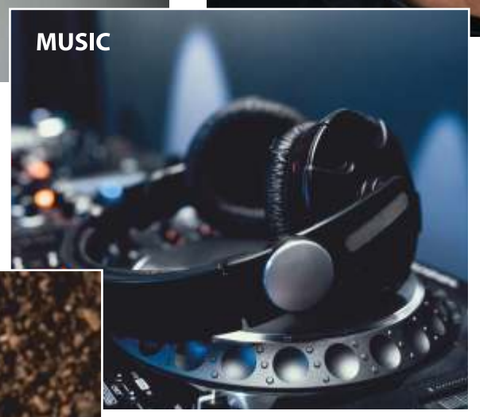
08 SUU Sports Club organized a Football Tournament on 23rd January 2020 between BBA and B.Tech students.

09 SUU Technical Society arranged a workshop on IoT where students were asked to figure out a plan to develop an electronic gadget.

STUDENT CLUBS

Sharda University has a strong tradition of student bodies and clubs that attract students from all disciplines. At Sharda University Uzbekistan, students can participate in a variety of student clubs ranging from media, photography, dramatics, fine arts and literary. Students can make new friends, develop skills, be active, push limits, and get involved.

CLUBS@SUUz



ENVIRONMENT

CULTURAL

PHOTOGRAPHY

LITERARY

FINE ARTS

DIVERSITY

SPORTS

100 % PLACEMENT SUPPORT

Sharda Group of Institutions aim to provide 100% Placement Support to the students of Uzbekistan with academic and career opportunities beyond the years that they are associated with the university. With 37500+ Sharda Group students placed in top multinational companies around the globe, SUUz is a great platform for those who want to start their careers with Fortune 500 Companies and top corporates. The Training & Placement cell provides complete assistance to the students including Pre-Placement Talks, Written Tests, Interviews and Group Discussions.

THREE MONTHS INDUSTRY INTERNSHIP

Sharda University Uzbekistan offers students unparalleled opportunities to work alongside experienced professionals and develop new skills and qualities along with putting into practice what they have learned at the university.

During the internship, the students get the opportunity to either work with organisations in Uzbekistan or can choose to pursue 3 months industry internship at leading corporate companies at Uzbekistan & Overseas.

ADMISSION PROCESS

Prospective students who are seeking to take admissions in Sharda University Uzbekistan for 2021-22 batch in the Faculty of Engineering and Technology, Faculty of Management, & Faculty of Humanities should have completed minimum 11 years of education and must have a good IELTS/equivalent Score. All programmes are taught in English language by eminent faculties. Sharda University also offers Hons. programme for bright students who are seeking to pursue their higher education in international universities. All students will also have to follow the same admission process.

1. Sharda University Scholarship and Admission Test (SUSAT)

The duration of the test will be 90 minutes. Candidates will be evaluated on the scale of 75 and the Cutoff marks to pass SUSAT will be 20 marks. There will be objective type questions.

Syllabus:

- SUSAT for 'Bachelor of Technology (B.Tech)' will have questions on Mathematics, Physics, Logic & Reasoning and English.
- SUSAT for 'Bachelor of Business Administration (BBA)' will have questions on English, General Knowledge, General Aptitude and Mathematics.
- SUSAT for 'Bachelor of Arts (BA) - Applied English' will have questions on Reading, Writing, Listening and Speaking in English language.

2. English Proficiency

The English proficiency of the candidates will be evaluated either through (i) internationally accepted proficiency tests like IELTS, ESOL, TOEFL, PEARSON, CERF or (ii) Personal Interview. The scores for internationally accepted proficiency tests will be considered as under:-

IELTS	ESOL	TOEFL	PEARSON	CEFR
5.0 - 5.5	5.0 - B1 5.5 - B2	35 - 59	36 - 42	B1
6.0 - 6.5	6.0 - B2 6.5 - C1	60 - 93	50 - 58	B2
7.0 - 7.5	C1	94 - 109	65 - 73	C1
ABOVE 7.5	C2	110 - 120	79 - 86	C2

The Cutoff scores for the above mentioned proficiency tests are given below:-

Proficiency Test	IELTS	ESOL	TOEFL	PEARSON	CEFR
Cutoff score	5	B1	35	36	B1

Candidates not having any English proficiency test result have to undergo Personal Interview. In the Personal Interview, candidates will be evaluated on a scale of 25.

ADMISSION FLOW CHART

APPLY
• Click on "Apply Now" at www.shardauniversity.uz and fill up online form
• SUEDGE ID will be generated and sent to your email

APPLY
• Apply directly at Admission Cell (AC), SUUz campus
• Fill the admission form and submit it to AC
You will be provided with an ID number

↓

COUNSELING
Approach Counseling Team for obtaining necessary information about Programme/fee/scholarship

↓

ELIGIBILITY CHECK
Approach Document Verification Team for the eligibility check.

↓

SHARDA UNIVERSITY SCHOLARSHIP AND ADMISSION TEST (SUSAT)
Approach SUSAT Team for obtaining the username/password. Appear for SUSAT Online/Offline

↓

ENGLISH PROFICIENCY
Approach Personal Interview Team for verification of English proficiency (IELTS/ESOL/TOEFL/PEARSON/ CERF)/ Personal Interview

↓

RESULT
Check Scholarship and Admission result on our Website/Telegram Channel

↓

CONTRACT & FEE
• Approach Registrar's Office for contract signing • Submit required documents and deposit fee

↓

REGISTRATION
Approach Registration Team for programme registration.

ADMISSION SCORE

On the scale of 100, Admission Score will be arrived by adding 70% of SUSAT score and 30% of English proficiency score. Candidates need to score minimum 20 marks in SUSAT and minimum 5.0 bands in IELTS / 15 marks in Personal Interview in order to qualify for admission.

Admission Score = S+E, where

S = (SUSAT score / 75)*70

If a candidate has international English proficiency test result, his/her score will be mapped with IELTS score as indicated below:-

E = (Score / 9)*30

OR

If a candidate has appeared for Personal Interview, the English proficiency score will be calculated as below:-

E = (PI score / 25)*30

ADMISSION SCHOLARSHIP POLICY-2021-2022

Admission Score	Scholarship Percentage
35.99 - 59.99	0%
60 - 74.99	10%
75 - 84.99	15%
85 - 89.99	20%
90 - 94.99	25%
95 - 100	50%

Students having extraordinary record/ performance in sports or other extra-curricular activities may be considered for Scholarship on submission of the proof of performance. On the overall issue of Scholarship, the decision of the Management will be final.

Sharda University Scholarship & Admission Test (SUSAT-2021) Centers

SHARDA UNIVERSITY

SUSAT

SCHOLARSHIP & ADMISSION TEST

Andijan:

Sharda University 73, Boburshah Prospekt, Andijan, Uzbekistan

Life at Sharda University Uzbekistan Campus

Students Learning Through Industry Visit