SHARDA UNIVERSITY
Beyond Boundaries

NAAC A+ ACCREDITED

SHARDA SCHOOL OF COMPUTING SCIENCE & ENGINEERING

Preparing the nxt gen

To the AI Era

- Artificial Intelligence & ML
- Data Science & Data Engineering
- Cloud & IoT
- Cyber Security
- Software Engineering & Full Stack
- Medical Engineering & AI



www.sharda.ac.in

SHARDA UNIVERSITY

Sharda University, ranked 87 among India's top universities in the University category by the National Institutional Ranking Framework 2025, and placed among the top 43% of universities in Asia by the QS University Rankings 2026, has built a reputation that goes far beyond conventional academics. With students from over 95+ countries, NBA-accredited Engineering and MBA programmes, and strong recognition across Medical, Dental, Engineering, Management, and Law, it offers a truly multicultural and multi disciplinary ecosystem.

Home to learners from more than 95 nations, Sharda University lives up to its identity as India's global university. It offers 135+ UGC-recognised programmes across undergraduate, postgraduate, and doctoral levels. Set on a 63-acre campus in Greater Noida, the university seamlessly integrates diversity, interdisciplinary learning, and innovation. With Artificial Intelligence embedded into its curriculum, students are prepared not just to keep pace with the future, but to lead it.

Backed by global recognition, a vibrant international campus, distinguished faculty, research excellence, and strong placement outcomes, Sharda University is more than just a university - it's a launchpad where global ambitions take flight, and the world truly converges.



PRESTIGIOUS RECOGNITIONS & ACCREDITATIONS

NAAC A+ ACCREDITED

87 RANK IN UNIVERSITY CATEGORY RANKING 2025 — nirf

11-50th IN INNOVATION

101-150th IN ENGINEERING

3RD NORTH INDIA'S RANKED UNIVERSITY FOR ENGINEERING — Times Engineering Ranking 2025

NBA — B.Tech CSE | Civil | ME | Biotech EEE | ECE

351-400 INTER-DISCIPLINARY SCIENCE RANKING — THE World University Rankings 2026

401-500 ENGINEERING RANKING — THE World University Rankings 2026

601-800 BAND GLOBALLY WORLD UNIVERSITY RANKING — THE World University Rankings 2026

RANKED #195 — QS WORLD UNIVERSITY RANKINGS SOUTHERN ASIA 2026



RANKED 5TH IN INDIA FOR PATENTS

PLATINUM Engineering — QS I-GAUGE

SHARDA SCHOOL OF
COMPUTING SCIENCE & ENGINEERING

Sharda School of Computing Science & Engineering (SSCSE) is a future-ready school focused on preparing students for global technology careers. Teaching is closely aligned with real-world industry needs and supported by experienced faculty and industry professionals. With a student-centric, project-based and design-driven curriculum, SSCSE nurtures problem-solving skills, innovation, and practical learning. Students choose from multiple engineering majors, gain hands-on exposure, and develop strong technical and professional competence. Located at Sharda University, Greater Noida, SSCSE empowers students to build confident careers and succeed in a rapidly evolving digital world.

KEY DIFFERENTIATORS

Industry Aligned Curriculum & Collaboration
- Live Industry Projects • Certifications
- Job-ready Skills

Strong Research & Innovation Culture
- Research projects • Innovation labs
- Problem-solving mindset

Startup & Entrepreneurial Ecosystem
- Incubation support • Mentoring
- Student startups

Global exposure & Higher-study pathways
- International tie-ups • Study abroad
- Ph.D. / MS guidance



https://www.sharda.ac.in/schools/computing-science-engineering

VISION

To become a global institute of higher learning in Computing Science and Engineering, promoting excellence in research, innovation, & entrepreneurship to provide sustainable solutions for the challenges of progressive society.

MISSION

- **To impart quality education with strong industry and academia collaborations in the expanding and allied fields of Computing Science & Engineering, fostering a conducive and transformative learning environment.**
- **To produce eco-conscious socially and ethically responsible technocrats equipped with professional skills and experiential learning, to empower them for adopting emerging technologies.**
- **To inculcate a culture of multidisciplinary research, disruptive innovation and accelerated entrepreneurship, while providing sustainable solutions to address multifaceted challenges of growing society.**
- **To promote collaborative learning and critical thinking through effective mentoring and counselling, with the aim of creating future leaders to serve communities worldwide.**

Careers
- Industry-ready Skills
- Professional Competence

RESEARCH
- Problem-driven Research
- Sustainable Solutions

INNOVATION
- Design thinking
- Emerging Technologies

LEADERSHIP
- Ethics • Mentoring
- Global Responsibility



WHY SSCSE @SHARDA?

Experiential Learning

Hackathons, Labs, NVIDIA, Open-Source

Digital Teaching Excellence

Smart-Classrooms, Digital-Boards, Recorded-Lectures

Certification & Skill Programs

Certifications, Skills, Credentials, Employability

Global Exposure

Global, International, Mobility, Higher-Studies

Expert Mentoring

Faculty, Mentoring, Counselling, Guidance

Research & Innovation

Research, Innovation, Projects, Laboratories

Excellent Placements

Placements, Careers, Recruiters, Outcomes

Infrastructure

Modern Infrastructure, Advanced-Labs, Digital-Facilities, Secure-Campus

Industry Aligned Curriculum

Industry-Aligned, Applied, Skill-Focused, Career-Ready























CURRICULUM MODEL AND **ACADEMIC EXCELLENCE**

Blending Classroom Learning with Real-World Experience

» **CLASSROOM**
Modern Teaching Pedagogy

» **LABS**
State-of-art facilities

» **PROJECTS**
Hands-on real-world Skills

» **INTERNSHIPS**
Industry Internships & Training

» **CAREERS**
Global Job Opportunities

- » Technical Clubs
- » Hands-on Learning
- » Industrial Visits
- » Community Connect
- » Industry Mentorship

- » NEP Aligned, Outcome-Based Curriculum
- » Strong Emphasis on Research & Innovation
- » Focus on Experience-Based Learning
- » Career Readiness from Campus to Corporate

FACULTY THAT'S **TRULY INSPIRING**



Prof. (Dr.) Sibaram Khara
Hon'ble Vice-Chancellor
Sharda University



Prof. (Dr.) Parma Nand
Officiating Vice Chancellor
Sharda University Agra



Prof. (Dr.) Geetha Ganesan
Dean, Sharda School of
Computing Science & Engineering



Prof. (Dr.) Sudeep Varshney
Head, Department of
Computer Science & Engineering



Dr. Rajneesh Kumar Singh
Head, Department of
Computer Science & Applications



Prof. (Dr.) Ajay Shriram Kushwaha
Professor, Computer & Network Security, Digital Forensics, IT Governance and Risk Management



Prof. (Dr.) Ali Imam Abidi
Professor, Computer Vision and Medical Imaging



Prof. (Dr.) Ambuj Kumar Agarwal
Professor, Software Testing Software Engineering, Operating System and Cloud Computing



Prof. (Dr.) Amrita
Professor, Cyber Security, Machine Learning, Intrusion Detection System, Hybrid System & Feature Selection



Prof. (Dr.) Anil Kumar Sagar
Professor, Wireless Sensor Networks, Ad hoc Networks, Artificial Intelligence and Machine Learning



Prof. (Dr.) Anurag Rai
Professor, Machine Learning, Deep Learning, Database Management System, Computer Networks & Cloud Computing



Prof. (Dr.) Gouri Shankar Mishra
Professor, Machine Translation, Natural Language Processing, Machine Learning, AI & Soft Computing



Prof. (Dr.) Jayant Shekhar
Professor, AI, Machine Learning and Natural Language Processing



Prof. (Dr.) Karthikeyan Natesapillai
Professor, AI-driven Curriculum, Digital Learning, RPA, BPM & Institutional Strategy



Prof. (Dr.) Khushboo Tripathi
Professor, Cryptography & Network Security, Cyber Security, Ad Hoc Networks and Machine Learning



Prof. (Dr.) Krishnan Batri
Professor, Information Retrieval, Text Mining, Genetic Algorithm, Image Processing & Social Network Analysis



Prof. (Dr.) Kuldeep Chouhan
Professor, Machine Learning & Reinforcement Learning, Image Processing & MANET with Artificial Intelligence



Prof. (Dr.) Mahesh Manchanda
Professor,
Web Mining and
Machine Learning



Prof. (Dr.) Parul Khurana
Professor, Data Science,
Informatics, Gamification
and Cloud Computing



Prof. (Dr.) Rajendra Kumar
Professor,
AI & ML



Prof. (Dr.) Sandeep Gupta
Professor, Knowledge
Based Engineering, Web
Based Engineering & AI



Prof. (Dr.) Sanju Tiwari
Professor, AI Knowledge
Graphs and Semantic Web



Prof. (Dr.) Shajee Mohan B. S.
Professor, ML, Pattern Analysis,
Image Processing, Artificial
Neural Networks/Deep Learning
Speech & Audio Processing



Prof. (Dr.) Shiv Kumar Verma
Professor, Medical Imaging,
Computer Vision, Machine
Learning, Discrete Mathematics
& Optimization Techniques



Prof. (Dr.) Shri Kant
Professor,
Pattern Recognition, Machine
Learning and Applications in
Cyber Security and Cryptology



Prof. (Dr.) Sudhir Kumar Sharma
Professor, AI, ML,
Deep Learning, Computer
Vision, Security &
Data Analytics



Prof. (Dr.) Swati Sah
Professor, AI, ML,
Deep Learning and
Project Management



Prof. (Dr.) Vasudha Arora
Professor, Data Science,
Machine Learning &
Data Security



Prof. (Dr.) Velayudham Sathiyasuntharam
Professor, Cyber Security &
Issues, Blockchain Tech., Data
Science & Predictive & Big Data
Analytics & Cyber Forensics



Prof. (Dr.) Yogesh Singh Rathore
Professor
AI & ML



Dr. Anand Pandey
Associate Professor,
LLM, Deep Learning,
Computer Vision,
Machine Learning



Dr. Bharat Bhushan
Associate Professor, Wireless
Sensor Networks (WSNs),
Internet of Things (IoT),
Blockchain Technology &
Security in Computing



Dr. Deepthi PS
Associate Professor,
Machine Learning,
Data Analytics & Image
Processing



Dr. Javed Ahmad
Associate Professor,
Software & Security
Requirements Engineering,
Data Structures, Database
Management System & ML



Dr. Pushpendra Kumar Rajput
Associate Professor,
Intelligent Software Systems
& Self-adaptive Softwares



Dr. Rani Astya
Associate Professor, Design
Analysis & Algorithms,
Database Management System,
Computer Networks, Data &
Network Security, Web Tech. &
Software Project Management



Dr. Rizwan Patan
Associate Professor, AI,
Blockchain Technology,
Cyber Security and
Cyber-Physical Systems



Dr. Sreejith S
Associate Professor, ML
Learning, Deep Learning,
Computer Vision, Data Mining,
Optimization, Data Analytics,
Bio-inspired Algorithms &
Natural Language Processing



Dr. Subrata Sahana
Associate Professor,
Internet of Things (IoT)
and Sensor Networks



Dr. Pradeep Kumar Mishra
Assistant Professor,
Graphology, AI and
Machine Learning



Dr. Ravi Prakash Chaturvedi
Assistant Professor,
ML and Deep Learning &
Data Science













INFRASTRUCTURE AND LAB ECOSYSTEM

Sharda University of Computing Science & Engineering offers state-of-the-art infrastructure to support advanced learing and cutting-edge research. Our modern labs are designed to foster innovation, collaboration, and skill-builing for tomorroe's tech leaders.













SUSTAIN-A-THON 2025

Innovation & Sustainability Hackathon Event

Core Computing Labs:

- Programming & Software Development
- Database Management Systems
- Operating Systems & UNIX
- Computer Networks
- Compiler Design

Emerging Technology Labs:

- Artificial Intelligence & Machine Learning
- Data Science & Analytics
- Cloud Computing & Cyber Security
- Internet of Things (IoT)
- AR/VR & Immersive Technology
- Mobile Application Development

Innovation Support:

- Design Thinking & Creative Lab
- Project & Research Innovation Lab

FACULTY & MENTORING SYSTEM

Empowering Students with Knowledge & Guidance for Academic Excellence, Careers, and Research



EXPERIENCED FACULTY

- PhD-qualified Faculty, Advisors & Researchers
- Experienced Industry Experts & Visiting Professors
- UGC, NEP & NAAC-aligned Teaching Practices

ACADEMIC MENTORING

- Course Planning & Performance Tracking
- Continuous Assessment & Feedback
- Support for Competitive Exams & Higher Studies

INDUSTRY MENTORSHIP

- Mentoring by Industry Leaders & Alumni
- Career Talks & Professional Networking
- Guidance for Internships & Placements

HOLISTIC MENTORING

- Academic Guidance & Career Counselling
- Regular Mentoring Sessions & Workshops
- Personal & Professional Development
- Personalized One-to-One Support

CAREER COUNSELLING

- Resume Building & Interview Preparation
- Career Pathway Mapping
- Internship & Placement Readiness

PERSONAL SUPPORT

- Emotional Well-being & Counselling
- Continuous Faculty Connect
- Student Success & Retention Focus

SKILL DEVELOPMENT

- Technical & Professional Skill Enhancement
- Certifications & Value-Added Programs
- Industry-Relevant Tool Training

RESEARCH GUIDANCE

- Research Orientation & Problem Identification
- Project Mentorship & Publication Support
- Innovation & Startup Mentoring

CERTIFICATIONS & **VALUE-ADDED PROGRAMS**

At SSCSE, certifications and value-added programs are integrated with academics to ensure students graduate with industry-recognized skills, not just degrees. These programs complement classroom learning and prepare students for real-world technologies, tools, and roles demanded by employers.

What Makes Our Certification Ecosystem Strong?

- Curriculum-Integrated Certification Pathways
- Skill-Focused, Outcome-Driven Learning
- Industry-Recognized Credentials
- Career-Oriented Technical Training

Student Outcomes

- Improved Technical Competency
- Enhanced Employability & Job Readiness
- Exposure to Global Technology Standards
- Competitive Advantage for Placements & Higher Studies

Key Industry & Technology Partners

Microsoft | Xebia | Google | EC-Council Global Services | aws | Cisco | PLM | ICT ACADEMY | IEEE



Our approach ensures every student gains practical, certified skills aligned with emerging technologies and industry expectations.

INDUSTRY & GLOBAL **COLLABORATIONS (SUMO)**

Global Learning without Borders

SUMO (Sharda University Mobility Online) enables SSCSE students to pursue semester exchange, short-term study, and academic mobility programs at partner universities worldwide, while continuing their degree at Sharda University.

Through SUMO, students gain international academic exposure, experience diverse teaching methodologies, & build global perspectives—all with structured guidance and credit transparency.

What SUMO Offers?

- Semester Abroad & Short-Term Exchange Programs
- Partner Universities across Europe, Asia, Australia & Americas
- Credit Transfer & Academic Mapping Support
- Global Classroom & Cultural Immersion
- Faculty-Guided Application & Documentation Process

Structured & Transparent Process

Students apply through the SUMO online portal, select partner universities and programs, upload documents, and track approvals—ensuring a clear, guided, and reliable mobility journey.

How Students Benefit?

- Study at international partner universities without extending degree duration
- Strengthen global employability & higher-study prospects
- Exposure to international research, labs, and pedagogy
- Enhanced confidence, independence, and cultural intelligence

Ideal For

- Students aspiring for global careers
- Learners seeking cross-cultural academic exposure
- Applicants targeting international higher education



CULTURAL SOCIETY OF **SHARDA UNIVERSITY**

Fine Arts



FINE ARTS CLUB

The Fine Arts Club brings out the hidden artistic talents of our students, cultural programmes are conducted during Independence, Sports and college day function. Students participate in Inter/Intra-College competitions. The purpose is to encourage students to express their thoughts and emotions through art.

Dramatics Club



DRAMATICS CLUB

The Dramatics Club is for students who are interested in Performing Arts. The Club offers acting education, a creative outlet for theatrically minded students, and a variety of theatrical productions for the students to enjoy. In the past students from the Club brought accolades for the University in various events.

Music Club



MUSIC CLUB

Music Club caters to the passion of student providing quality facilities like instruments, dedicated music room and a plethora of events. It serves as a platform for musicians of all genres and skill levels to showcase their talent at various events like Sufi Night and Voice of Sharda, etc. held at Sharda University.



ENVIRONMENTAL CLUB

The main purpose of the Environmental Club is to educate on sustainable practices, to implement change in the best interest of the environment, and to include all persons working to improve the future of our earth by conducting significant workshops and seminars.

Environmental Club

Fashion Club

FASHION CLUB

The Fashion Club aims to bring students together who have a passion for the fashion industry by participating in local and regional fashion events. Club members work with Fashion Merchandising students to help with events and activities on and off campus. The Club has hosted fashion shows, fashion showcases, and window dressings of local businesses.



Dance Club



DANCE CLUB

The Club was established with the mission of bringing out the hidden talents of students and also provides them a stage where they can showcase their dancing talent and interest. The Club provides lot of opportunities in the form of competition and workshops for igniting the spark of interest present in the budding technocrats and honing their skills towards showcasing their talents.

Diversity Club



DIVERSITY CLUB

Sharda University has a diversified group of students from across 95+ nationalities. The Diversity Club is dedicated in raising awareness of the various cultures among all students. Throughout the year various events are organized by the students to explore different cultures like Rejoice 3D, Festivals of Light, etc.

PHOTOGRAPHY CLUB

Photography Club of Sharda provides a platform where talent meets creativity and gives rise to productivity. Students are engaged in various activities that challenge their imaginative capabilities, assist in sharpening their photographic skills, and present an opportunity for students to learn from each other.



Photography Club

Literary Club



LITERARY CLUB

The Club aims to foster love for language, enhance literary creativity and provide an avenue for self-expression beyond the school curriculum. It is also to develop and hone the literary skills of students and inspire them to develop a taste for literature by conducting various workshops. The Club also initiates competitions in extempore, essay writing, creative writing, poetry writing, debate, elocution, quiz and reading to enhance the speech and oratorical skills.

INNOVATION & TECHNOLOGY **CLUBS ECOSYSTEM**

TECHNOVA: The Technical Society of SSCSE

AI & Robotics Club



AI & ROBOTICS CLUB

The Club is a future-focused community where intelligence meets innovation and machines come to life. The club provides a platform for students to explore artificial intelligence, robotics, and automation through hands-on learning & experimentation.

Through workshops, projects, competitions, and technical sessions, the club helps members understand intelligent systems, robotic design, and real-world applications of AI. It encourages creativity, problem-solving, & interdisciplinary thinking, preparing students to build smart solutions for tomorrow's challenges.

AI & Robotics Club empowers students to imagine, build, and innovate with intelligent technology.

AWS Cloud Club



AWS CLOUD CLUB

The Club is a student-led community focused on cloud computing and modern technologies. It offers hands-on learning through workshops, labs, and projects to build skills in cloud architecture and deployment using AWS. The club promotes innovation and collaboration, helping students create scalable, cloud-ready solutions.



Game Drifters Club

GAME DRIFTERS CLUB

The Club is a dynamic community for students passionate about gaming, game design, and interactive experiences. The club provides a platform where creativity, strategy, and technology come together through immersive and competitive gameplay. Through gaming tournaments, design workshops, development sessions, and collaborative events, Game Drifters Club encourages skill-building, teamwork, and innovation within the gaming ecosystem. The club promotes strategic thinking, creativity, and digital sportsmanship, creating an inclusive space for gamers and creators alike.



CYBERPIRATES CLUB

The Club is a student-led community focused on cybersecurity & ethical hacking. It offers hands-on learning through workshops, challenges, and simulations to build skills in network security and cyber awareness. The club promotes critical thinking & ethical practices, empowering students to protect systems & data.

Cyberpirates Club



GDGoC CLUB

The Club is a student-led community focused on learning and innovation using Google technologies. It offers hands-on experience through workshops, coding sessions, and hackathons. The club builds practical skills, promotes collaboration, and helps students grow as developers.

GDGoC empowers students to learn, build, and innovate with purpose.

GDGoC Club

DATAPOOL CLUB

The Club is a student-led community focused on data science, analytics, and machine learning. It offers hands-on learning through workshops, projects, and competitions using real datasets. The club builds analytical skills and problem-solving abilities, helping students turn data into meaningful insights.

Datapool Club



INFUSION CLUB

The Club is a student-driven community under the CSA Department, SSCSE, Sharda University. It organizes workshops, coding sessions, and seminars to enhance technical skills and industry exposure, along with cultural activities for overall development. The club promotes leadership, teamwork, and practical learning in a collaborative environment.



Infusion Club

Github Club

GITHUB CLUB

The Club is a collaborative community where code meets creativity and ideas turn into real projects. The club provides a platform for students to learn version control, teamwork, and modern development practices through hands-on experience.

Through workshops, coding sessions, project collaborations, and open-source contributions, GitHub Club helps members build structured projects, improve coding skills, and understand real-world software development workflows. The club encourages collaboration, problem-solving, and continuous learning.



PIXELANCE CLUB

The Club is a creative space where moments transform into stories and visuals find their voice. It is a community for students passionate about photography, videography, and visual storytelling, encouraging them to explore the art behind every frame.

Through hands-on workshops, photowalks, live shoots, and creative collaborations, Pixelance helps members sharpen their skills, experiment with perspectives, & capture the world beyond the ordinary. The club nurtures creativity, technical expertise, and artistic expression, empowering students to see, create, and communicate through the lens.



Pixelance Club

RESEARCH, INNOVATION & **SHARDA LAUNCHPAD**

Supporting Entrepreneurs

Sharda University is steadfast in supporting the Hon'ble Prime Minister's vision of Atmanirbhar Bharat by cultivating a dynamic environment that inspires innovation and entrepreneurial thinking among its students. Through its StartUp wing, Sharda Launchpad, the university provides budding entrepreneurs with mentorship, essential resources, and practical support to bring their ideas to life and scale them into successful ventures. Over the past five years, Sharda Launchpad has become a transformative platform, championing those who aspire to contribute to India's self-reliance journey. Approved as a business incubator by the Ministry of MSME, Sharda Launchpad also collaborates with the Startup Incubation and Innovation Centre at IIT Kanpur, offering students access to an extended network and shared resources, ultimately empowering them to lead in India's vibrant StartUp ecosystem.

RECOGNITIONS & FUNDING RECEIVED BY SHARDA LAUNCHPAD FOR ENCOURAGING STARTUPS

- Startup India Seed Fund Scheme: **3.15 Crores**
- MSME Idea Hackathon: **1.88 Crores**
- DST Inclusive Technology Business Incubator (DST i-TBI): **2.58 Crores**
- iHUB Sharda supported by iHUB Divyasampark IIT Roorkee: **1.37 Crores**

Learn more about current projects, stakeholders and programmes at ***https://launchpad.sharda.ac.in/events-list***



EVENTS

Techfusion: A Code-A-Thon Success Story



BrainWave: The Ideathon Competition



Talkathon: A Remarkable Tech Talk Show



Technovation Hackathon



PROGRAMME PORTFOLIO **OVERVIEW**

UNDERGRADUATE PROGRAMMES			
Entry Qualification	**Programme Name**	**Duration**	**Specialization**
10+2	B.Tech. Computer Science & Engineering (CSE)	4 years	–
10+2	B.Tech. Computer Science & Engineering (CSE)	4 years	Full Stack Development, Artificial Intelligence & Data Science, AI-Enabled FinTech, Cyber Security & Forensics
10+2	B.Tech. (CSE) - Artificial Intelligence & Machine Learning	4 years	–
10+2	B.Tech Computer Science & Medical Engineering	4 years	–
10+2	B.Tech Computer Science & Medical Engineering	4 years	Artificial Intelligence
10+2	B.Tech. Information Technology (IT)	4 years	–
10+2	Bachelor of Computer Applications (BCA)	3/4 years	–
10+2	Bachelor of Computer Applications (BCA)	3/4 years	Artificial Intelligence & Machine Learning, Cloud Computing & IoT, Cyber Security
10+2	B.Sc. Computer Science	3/4 years	–
10+2	B.Sc. Computer Science	3/4 years	Artificial Intelligence & Machine Learning, Cloud Computing & IoT, Cyber Security
10+2	B.Sc. Information Technology	3/4 years	–
POSTGRADUATE PROGRAMMES			
Entry Qualification	**Programme Name**	**Duration**	**Specialization**
Bachelor's Degree	M.Tech. Computer Science & Engineering (CSE)	2 years	Networking & Cyber Security, Software Engineering, Data Science
Bachelor's Degree	M.Tech. (CSE) for Working Professionals	2 years	–
Bachelor's Degree	Master of Computer Applications (MCA)	2 years	–
Bachelor's Degree	Master of Computer Applications (MCA)	2 years	Artificial Intelligence & Machine Learning, Data Engineering & AI, Cyber Security
Bachelor's Degree	MCA for Working Professionals	2 years	–
Bachelor's Degree	M.Sc. Computer Science	2 years	–
Bachelor's Degree	M.Sc. Computer Science	2 years	Artificial Intelligence & Machine Learning, Data Engineering & AI, Cyber Security
DOCTORAL PROGRAMMES			
Entry Qualification	**Programme Name**	**Duration**	**Specialization**
Master's Degree	Ph.D. CSE (Full Time/Part Time)	Min. 3 years	Data Science Analytics, Bioinformatics, Cloud Computing and Virtualization, IoT & Applications, Cyber Security, Cryptology, AI & ML, Blockchain Technology, Software Engineering, Multimedia & Animation, Metaverse, Explainable AI
Master's Degree	Ph.D. CS (Full Time/Part Time)	Min. 3 years	Information Security, Data Science, Cloud Computing, Internet of Things, Cyber Security & Network Security, AI & ML, Blockchain Technology, Software Engineering & Testing, Optimization, Computer Vision & Image Processing, Edge Computing, Natural Language Processing, Social Network Analysis, E-Health, Neuroinformatic, Nano-Networks and Wireless Communications

B.Tech. Computer Science & Engineering (CSE)

Duration: 4 years

Programme Overview: A future-focused undergraduate programme that builds strong core computer science foundations while allowing students to specialize in high-demand technology domains. The curriculum blends theory, hands-on learning, and industry exposure to prepare graduates for careers, entrepreneurship, and higher studies.

Key Specialization Focus

- **Artificial Intelligence & Data Science**
- **Cyber Security & Forensics**
- **AI-Enabled FinTech**
- **Full Stack Development**

Why choose this Programme

- **Choice with depth:** Core CSE + specialization tracks
- **Career-ready learning:** Projects, tools, and real-world exposure
- **Future-proof skills:** AI, Data, Cyber Security, FinTech, Full Stack
- **Multiple pathways:** Jobs, startups, higher studies, research
- **Strong outcomes:** Industry engagement and recruiter visibility

Programme Highlights

- Strong foundation in algorithms, data structures, OS, DBMS, and networks
- Industry-aligned curriculum with specialization flexibility
- Hands-on labs, projects, hackathons, and internships
- Certification-integrated learning with global tech partners
- Research exposure and innovation-driven ecosystem
- Mentoring, career guidance, and placement support
- AI-Integrated Reverse Learning for Industry-Ready Competencies

Career Pathways

- Software Engineer / Full Stack Developer
- AI / Machine Learning Engineer
- Data Analyst / Data Scientist
- Cyber Security Analyst / Ethical Hacker
- FinTech Engineer / Technology Consultant
- Cloud Engineer / Systems Architect
- Research Assistant / Higher Studies (India & Abroad)



B.Tech. (CSE) - Artificial Intelligence & Machine Learning

Duration: 4 years

Programme Overview: The B.Tech. in Computer Science & Engineering with specialization in Artificial Intelligence & Machine Learning is designed to prepare students for the next generation of intelligent technologies. The programme blends strong core computer science foundations with advanced AI and ML concepts, enabling students to design, build, and deploy intelligent systems across industries. Students gain hands-on exposure to real-world datasets, intelligent algorithms, and modern AI tools, preparing them for high-impact roles in data-driven and automation-focused industries.

Core Learning Focus

- **Artificial Intelligence Foundations**
- **Data Analytics & Visualization**
- **Intelligent Systems & Automation**
- **Machine Learning & Deep Learning**
- **Neural Networks & Natural Language Processing**

Why choose this Programme

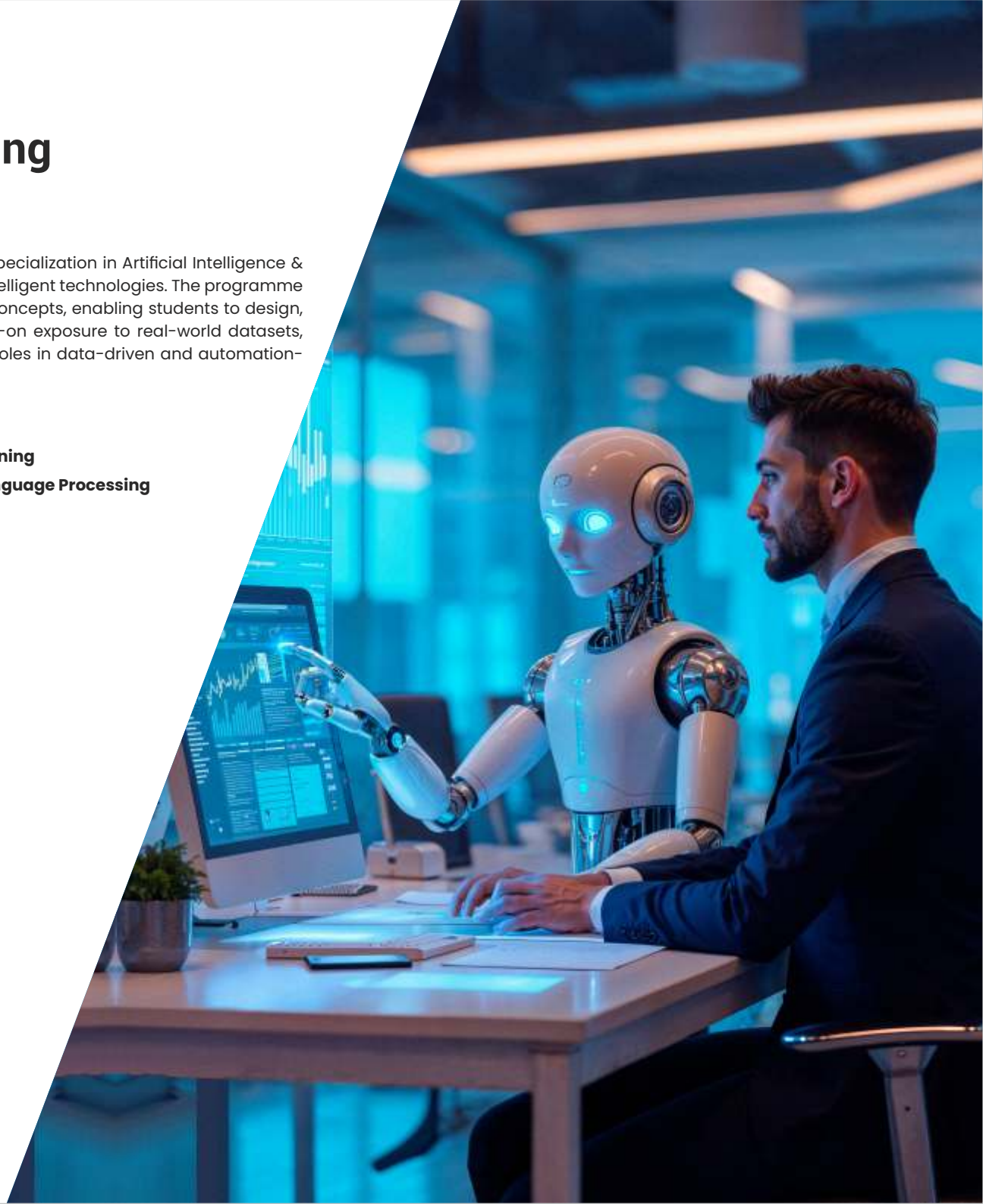
- Strong CSE core combined with future-ready AI/ML expertise
- Industry-aligned curriculum with practical, project-based learning
- Exposure to real-world AI applications across domains
- Excellent preparation for emerging tech careers & higher studies

Programme Highlights

- Hands-on learning with AI/ML tools, frameworks, and datasets
- AI-Integrated Reverse Learning for Industry-Ready Competencies
- Project-based pedagogy and industry-relevant case studies
- Integration of research, innovation, and problem-solving
- Opportunities for internships, certifications, and global exposure

Career Pathways

- Machine Learning Engineer
- Artificial Intelligence Engineer
- Data Scientist
- Data Analyst
- AI Solutions Architect
- Research Engineer (AI/ML)



B.Tech. Computer Science & Medical Engineering

Duration: 4 years

A Technology Pathway for PCB Students: The B.Tech. Computer Science & Medical Engineering programme is designed for students from Physics–Chemistry–Biology (PCB) backgrounds aspiring to build careers at the intersection of computing, artificial intelligence, and healthcare engineering.

Core Learning Focus

- **Artificial Intelligence & Machine Learning**
- **Healthcare Data Analytics & Biomedical Informatics**
- **Cloud & Edge Computing for Digital Healthcare**
- **Medical AI & Intelligent Healthcare Systems**
- **Data Science for Healthcare Applications**
- **Cyber Security in Healthcare Systems**

Why choose this Programme

- Designed especially for PCB students aspiring to enter the technology domain
- Combines Computer Science, Artificial Intelligence, and Medical Engineering innovation
- High demand for professionals in AI-driven healthcare systems
- Opportunity to develop AI-enabled medical and healthcare technology applications
- Prepares students for careers in HealthTech, AI, and healthcare data science

Programme Highlights

- Specl. B.Tech. Cse programme integrating AI with healthcare technologies
- No Mathematics required at Class XII
- Strong foundation in Computer Science, AI, Software Systems/Healthcare Technologies
- Exposure to Medical Engineering applications, Clinical AI systems, Health Informatics, & Healthcare Data Systems
- Hands-on learning through labs, projects, and innovation-driven learning
- Opportunities to work on healthcare datasets and predictive medical analytics
- Curriculum aligned with emerging global trends in digital healthcare and AI
- AI-Integrated Reverse Learning for Industry-Ready Competencies

Career Pathways

Graduates can pursue roles such as:

- Medical AI Systems Engineer
- Healthcare Data Analyst
- Biomedical Data Intelligence Engineer
- Clinical Data Engineer
- Health Informatics Specialist
- AI Application Developer (Healthcare Domain)
- Research Assistant in Medical AI & Healthcare Technologies

Key Specialization Focus

- Artificial Intelligence

"Your love for Biology can now lead to a B.Tech. in Computer Science & Medical Engineering with AI."



Students may also pursue higher studies in Artificial Intelligence, Data Science, Bioinformatics, Health Informatics, and Digital Healthcare Technologies.

B.Tech.
Information Technology (IT)

Duration: 4 years

Programme Overview: The B.Tech. Information Technology programme at SSCSE builds strong foundations in core IT systems, software development, networking, databases, and cyber technologies. The programme is designed to prepare students for versatile IT careers while offering exposure to emerging application domains, including Medical AI & Informatics, where technology meets healthcare innovation.

Core Learning Focus

- **Programming, Data Structures & Algorithms**
- **Computer Networks & System Administration**
- **Cyber Security & Information Assurance**
- **Database Management Systems**
- **Web Technologies & Software Engineering**
- **Cloud Computing & IT Infrastructure**

Why choose this Programme

- Strong core IT foundation applicable across industries
- Curriculum aligned with industry-relevant IT roles
- Exposure to emerging healthcare technology applications
- Hands-on labs, projects, internships, and certifications
- Designed for career flexibility and future specialization

Programme Highlights

- Industry-aligned, application-focused curriculum
- Modern IT labs and project-based learning
- AI-Integrated Reverse Learning for Industry-Ready Competencies
- Certifications and value-added skill programs
- Internships, industry projects, and placement support
- Smooth progression into advanced domains (AI, Cyber, Cloud, Health IT)

Career Pathways

- IT Analyst / Systems Engineer
- Web & Application Developer
- Database Administrator
- Network & Cloud Engineer
- Cyber Security Analyst
- Healthcare IT & Informatics Associate



Bachelor of Computer Applications (BCA)
B.Sc. Computer Science
B.Sc. Information Technology

Duration: 3/4 years

1. Bachelor of Computer Applications (BCA) | Focus: Application Development & IT Foundations

Programme Overview: BCA is a practice-oriented programme focussed on software devel., databases, networking & modern IT tools. It is ideal for students seeking early entry into the IT industry with strong practical exposure.

Core Learning Focus

- Programming & Web Technologies
- Database Management Systems
- Networking & Operating Systems
- Cloud Computing & Cyber Security

Career Pathways

- Application / Software Developer
- Web Developer / Database Executive
- System Administrator
- Pathway to MCA / M.Sc. / Industry Certifications

2. B.Sc. Computer Science | Focus: Core Computing & Algorithms

Programme Overview: B.Sc. Computer Science emphasizes theoretical depth & analytical thinking in computing. It builds a strong foundation for advanced studies, research, & high-end technical roles.

Core Learning Focus

- Programming & Data Structures
- Algorithms & Computational Thinking
- AI Foundations / Software Engg. Concepts
- Advanced Computer Science Topics

Career Pathways

- Software Engineer
- AI / ML Engineer (with higher studies)
- Data Analyst / Research Assistant
- Pathway to M.Sc. CS / MCA / Ph.D.

Specialization Exposure for BCA and B.Sc. Computer Science programme

- Artificial Intelligence & Machine Learning
- Cloud Computing & IoT
- Cyber Security

3. B.Sc. Information Technology | Focus: IT Systems, Infrastructure/Applications

Programme Overview: B.Sc. (IT) focuses on the deployment, management, and security of IT systems. It bridges computing with enterprise technology needs & prepares students for infrastructure-centric roles.

Core Learning Focus

- IT Systems & Applications
- Networking & Cloud Computing
- Database & Server Management
- Cyber Security Fundamentals

Career Pathways

- IT Support Engineer/Cyber Security
- Network / System Administrator
- Cloud & Infrastructure Executive
- Pathway to M.Sc. IT / MCA

Why choose these programmes @SSCSE

- Strong emphasis on hands-on learning & projects with Industry-aligned curriculum
- Modern labs, coding clubs & Hackathons with Certification-ready learning pathways
- AI-Integrated Reverse Learning for Industry-Ready Competencies
- Clear progression to higher studies and career



M.Tech.
Computer Science & Engineering (CSE)

Duration: 2 years

Programme Overview: The M.Tech. Computer Science & Engineering programme is designed for graduates seeking advanced technical expertise, research exposure, & leadership roles in high-impact computing domains. The programme strengthens core computer science foundations while offering focussed specialization pathways aligned with industry & research needs. Students benefit from advanced course work, hands-on labs, research-oriented projects/industry-relevant problem solving—preparing them for senior technical roles, doctoral studies, & innovation-driven careers.

Specializations:

1. Data Science: Focuses on advanced data analytics, machine learning, & intelligent decision-making systems.

Core Learning Focus

- Data Science & Analytics
- Machine Learning & Deep Learning
- Big Data & Data Engineering
- Statistical Computing & Visualization

Career Pathways

- Data Scientist
- Machine Learning Engineer
- Data Analyst
- Research Associate

2. Networking & Cyber Security: Prepares students to design, secure manage modern networked and cloud-based systems.

Core Learning Focus

- Advanced Computer Networks
- Network & Cloud Security
- Penetration Testing & Threat Analysis
- Cryptography & Cyber Laws

Career Pathways

- Cyber Security Analyst
- Network Security Engineer
- Cyber Security Consultant
- Security Architect

3. Software Engineering: Emphasizes large-scale software design, quality/lifecycle mgmt.

Core Learning Focus

- Software Architecture & Design Patterns
- Secure & Agile Software Engineering
- Software Testing & Quality Assurance
- Component-Based & Enterprise Systems

Career Pathways

- Software Engineer
- Software Architect
- Quality & Testing Lead
- Technology Consultant

Programme Highlights

- Advanced, industry-aligned curriculum
- Research-driven learning, innovation focus & Modern labs
- Strong preparation for Ph.D. and research careers
- Career advancement into senior technical roles

Why Choose M.Tech (CSE) @SSCSE

- AI-Integrated Reverse Learning for Industry-Ready Competencies
- Choice of high-impact specializations
- Strong academic depth with applied orientation
- Mentoring by experienced faculty and researchers
- Excellent pathways to industry, research, and academia



Master of Computer Applications

Duration: 2 years

Programme Overview: The Master of Computer Applications (MCA) is designed to build strong application-oriented computing professionals with in-depth knowledge of software devel., databases, & modern computing technologies. The programme emphasizes practical learning, industry relevance, & career readiness for the evolving IT landscape.

Core Learning Focus

- Advanced Programming/Software Development
- Database Management Systems
- Web & Mobile Application Development
- Application Security & Enterprise Systems

Career Pathways

- Software Developer & Full Stack Developer
- Mobile Application Developer
- Database Administrator
- IT Consultant / Project Executive

Why Choose MCA @SSCSE

- Hands-on learning through labs, projects, and internships
- Industry-aligned curriculum with real-world use cases
- Ideal for students seeking applied IT and software careers

Master of Science in Computer Science

Duration: 2 years

Programme Overview: The M.Sc. Computer Science programme offers a research-oriented and analytical approach to advanced computing. It is designed for students inclined towards theoretical depth/emerging technologies/higher studies/including research/doctoral pathways.

Core Learning Focus

- Advanced Algorithms / Computational Theory
- Data Science & Machine Learning
- Software Engineering & System Design
- Emerging Trends in Computer Science

Career Pathways

- Data Analyst / Data Scientist
- Software Engineer / Systems Analyst
- Research Associate
- Academic & Research Roles

Why Choose M.Sc. (CS) @SSCSE

- Strong analytical and research-focused curriculum
- Emphasis on advanced computing and problem-solving
- Ideal pathway to Ph.D., R&D, and academic careers

Programme Highlights for MCA & M.Sc. (CS)

- Advanced laboratories and computing infrastructure
- Industry-aligned curriculum and project work
- AI-Integrated Reverse Learning for Industry-Ready Competencies
- Research exposure, innovation culture, and higher-study pathways

Specialization Exposure for MCA & M.Sc. (CS) Programme

- AI & Machine Learning
- Data Engineering & AI
- Cyber Security



Ph.D. **Programmes**

Duration: Min. 3 years

Advancing Research, Innovation & Global Impact: Sharda School of Computing Science & Engineering offers doctoral programmes designed to nurture independent researchers, innovators, & academic leaders capable of addressing complex technological & societal challenges. The Ph.D. programmes emphasize interdisciplinary research, global relevance, & strong academic mentorship.

1. Ph.D. in Computer Science & Engineering (CSE) | (Full-Time / Part-Time | Minimum 3 Years)

The Ph.D. in Computer Science & Engineering focuses on advanced research in emerging and core areas of computing, engineering systems, and intelligent technologies. Scholars work closely with experienced faculty on cutting-edge research problems aligned with industry, academia, and societal needs.

Key Research Areas

- Data Science & Analytics
- Artificial Intelligence & Machine Learning
- Explainable Artificial Intelligence
- Bioinformatics & Medical Computing
- Cloud Computing & Virtualization
- Internet of Things (IoT) & Applications
- Cyber Security/Cryptology/Blockchain
- Multimedia & Animation
- Software Engineering
- Metaverse Explainable Artificial Intelligence

Career Pathways

- Academic & Research Faculty
- Research Scientist
- Post-Doctoral Fellow
- R&D Engineer
- Architect
- Technology Consultant
- Innovation & Policy Researcher

2. Ph.D. in Computer Science | (Full-Time / Part-Time | Minimum 3 Years)

The Ph.D. in Computer Science is oriented toward applied, system-level, and interdisciplinary research, focusing on real-world computing applications, optimization, and intelligent systems.

Key Research Areas

- Information Security & Network Security
- Data Science, Artificial Intelligence
- Cloud Computing & Edge Computing
- Internet of Things (IoT)
- Computer Vision & Image Processing
- Natural Language Processing
- Optimization Techniques/Social Network
- E-Health & Neuroinformatics
- Nano-Networks & Wireless Communications
- Blockchain Technology
- Software Engineering

Career Pathways

- Academic Researcher & Professor
- Applied Research Scientist
- Systems Architect
- Security Specialist
- AI & Data Science Expert
- Industry R & D Professional

Programme Highlights (Applicable to Both Ph.D. Programmes)

- Rigorous doctoral coursework and research training
- Interdisciplinary and industry-relevant research themes
- Access to advanced laboratories and computing infrastructure
- Strong research mentoring and publication support
- Opportunities for funded projects, patents & collaborations



ALUMNI
WHO INSPIRE



Sarthak Singh
B.Tech.- CSE
Silicon Valley Startup, U.S.
Y Combinator

1.6 CR.



R.K. Polishetty
B.Tech.- CSE
Vaco, USA
vaco

1 CR.



Prof. Diwakar Vaish
B.Tech.- CSE
Entrepreneur
Founder

AgVa Healthcare



Khushi Kapoor
B.Tech.- CSE
Microsoft
Microsoft

48 LPA



Aditya Singh
B.Tech.- CSE
Dominus Labs

51 LPA



Vedangi Agarwal
B.Tech.- CSE
amazon

35 LPA

RISING STARS OF SHARDA



Krish Soni
B.Tech-CSE
Product Based Co. (Romania)
32 LPA



Vinay Chaudhary
B.Tech-CSE
30 LPA
REGEM



Md Waheduzzaman Tuhin
MCA
22 LPA
marketcall



Surbhi Rana
B.Tech-CSE
20 LPA
JPMorganChase



Abhinav Thapliyal
B.Tech-CSE
18 LPA
HSBC



Ashutosh Srivastava
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18 LPA
amazon



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15 LPA
Winjit



Pushkar Dangwal
B.Tech-CSE
12.5 LPA



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Bittu Kumar
BCA
8.5 LPA



Abhi Akshat
B.Tech-CSE
8.5 LPA



Sourav Barik
BCA
8 LPA



Shivam Siddhant
BCA
8 LPA



Pranjal
B.Tech-CSE
7.68 LPA
SAMSUNG



Ayush Dubey
BCA
7 LPA
Wayspire

1.62 Cr.

Highest Package academic year 2024-25

1137

Companies Visited/ Recruited in 24-25/26

accenture, Tech Mahindra, TCS TATA CONSULTANCY SERVICES, cognizant, IBM, Centilytics, SAMSUNG, Xebia, HCLTech, Coforge, THREE MEADOWS SOFTWARE, R SYSTEMS, Google, amazon, BOEING, GlobalLogic, sopra steria, marketcall, REGEM, MAQ Software, ORACLE, BOSCH, cloudtech, servicenow, wipro, HSBC, Microsoft, TO THE NEW



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SHARDA TECH

SHARDA WORLD SCHOOL | elc

SHARDA UNIVERSITY

SHARDA CORPORATION

ShardaCare HEALTHCITY
Healthier World Together

SHARDA WORLD SCHOOL
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HINDUSTAN CAMPUS

UGEnterprises

RSPL
Building Dreams

SHARDA WELFARE FOUNDATION

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