SHARDA UNIVERSITY
Beyond Boundaries

NAAC A+ ACCREDITED

Preparing the

nxt gen

Engineers for the Future



SHARDA SCHOOL OF ENGINEERING & SCIENCE

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. Students from over 95+ countries have experienced Sharda, 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

11-50 IN INNOVATION

101-150 IN ENGINEERING

2nd NORTH INDIA'S RANKED UNIVERSITY FOR ENGINEERING — TIMES ENGINEERING Ranking 2026

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

301-350 WORLD UNIVERSITY RANKING — THE World University Rankings 2026 Asia

RANKED #195 — QS WORLD UNIVERSITY RANKINGS SOUTHERN ASIA 2026

RANKED 5TH IN INDIA FOR PATENTS

PLATINUM Engineering — QS I-GAUGE SUBJECT RATINGS

SHARDA SCHOOL OF **ENGINEERING & SCIENCE**

The department of Engineering and Sciences shares the vision and mission of Sharda University in imparting quality education to the students to meet the national and global challenges by providing a stimulating and flexible learning environment for its students as well as faculties.

The academic programmes are designed to meet the requirement of the latest technological developments and envisages to become a state-of -the art that cater the students at graduate, post graduate and research level along with providing high quality education.

All the programmes are embedded with a mature and highly sophisticated research culture to ensure the multi-dimensional growth of the students.

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



Key Facts & Figures

Accreditations & Rankings
- A+ Grade by NAAC | Times Engineering Rank 15
- NBA accreditation to Engineering Programmes of Biotechnology, CE, EEE, ECE & ME
- NIRF Ranking 2024: Ranked 101-150 in Engineering Category, Ranked 11-50 in Innovation
- QS I-Gauge Gold Rating | QS- Advanced E-Lead Certificate

Research
- 2000+ publications with Highest Impact Factor (42)
- 70+ startups Incubated | 359 patents published
- 35+ grant patents in different areas | 60+ designs grant
- Research funding of Rs. 4 Crores (approx.) from Govt. Agencies like DST, DBT, INSA, ICMR etc.
- 1000+ Research Papers Published by Faculty members.
- 500+ Research Papers Published by Students.
- 392 Book Chapters Published by Faculty members.
- 57 Book edited/published by Faculty members.
- 106 Patents published & 24 Patents have been granted

Product designed by Students
- Humanoid Robot, MediBot Robot
- An automatic sanitizer dispenser to fight against COVID 19
- Printer: 3D Printer, Laser Engraving, Drill head
- Divya Shakti: Electrical Vehicle for disabled and elderly people
- Electric Sports bike (VISION), Electric hubless bike (VAAAN), Regenerative Electric vehicle(Electron V.1)
- Hybrid Electric + Solar Vehicle, Mountain Climber Bike
- Developed Robots named Delta 3.0. Government funded & supplied to various hospitals to help doctors during pandemic.

Events
- 5th Technovation Hackathon hosted: India's one of the biggest Hackathon with 2500+ National and International Students participation
- Organized Annual IEEE & Springer International Conferences with Eminent Speakers and Exposure.

Students pursuing higher studies abroad
- Students received prestigious full Erasmus Mundus Scholarship of 49,000 Euros
- Selected at reputed International Research Institutes/ Universities for higher studies like Max Planck Institute, LMU Munich, University of Akron, Oregon State University, Tongji University, University of Texas, University of Bristol, University of Montreal, Case Western Research University, University of Nova Gorica (Slovenia), National Tsing Hua University, University of São Paulo (Brazil), PGDM-International, Central University of Michigan, University of Nepal, Federico II (Italy), Leeds Beckett University (England), University of Leicester (England) & Penn State University among others.

StartUp Opportunities
- Business Incubation Centre accredited by Ministry of MSME for Student's Live Projects.
- Sharda University Seed Fund Grant for Student's Product and Prototype Development.

FACULTY THAT'S **TRULY INSPIRING**



Prof. (Dr.) Pallavi Gupta
Dean, Sharda School of Engineering & Science
Ph.D. from Aligarh Muslim University



Prof. (Dr.) Rakesh Kumar
Head, Professor
Department of (CE)
Ph.D. (Hydrology) from IIT Roorkee



Dr. Sujoy Kumar Dey
Head
Department of (ME)
Ph.D. from NERIST, Arunachal Pradesh



Dr. Usha Tiwari
Head
Department of (EECE)
Ph.D. from Jamia Millia Islamia, New Delhi



Dr. Sunil Chauhan
Associate Professor & Head, Department of Physics & Environmental Sciences
M.Tech., M.Sc., Ph.D .



Prof. (Dr.) Anupam Agarwal
Head
Department of Chemistry & Biochemistry
Ph.D. (Dr. B.R. Ambedkar University, Agra)



Dr. Sweta Srivastav
Head
Dept. of Mathematics & Data Science
M.Sc, Ph.D



Prof. (Dr.) R. C. Singh
Department of Physics & Environmental Science
Ph.D. (Banaras Hindu University)



Prof. (Dr.) Vinay Kumar Verma
Department of Chemistry & Biochemistry
Ph.D. (DMSRDE, Kanpur)



Prof. (Dr.) Rashmi Priyadarshini
Associate Dean-Academics
Department of (EECE)
Ph.D. from IGIT, GGSIP University, Delhi



Prof. (Dr.) Mohit Sahni
Department of Physics & Environmental Science
Ph.D. (MNNIT Allahabad)



Dr. Vrince Vimal
Professor & Dean Strategy (Development & Growth), (EECE), PhD. IIT Roorkee



Prof. (Dr.) Ashok Kumar
Department of Physics & Environmental Science
Ph.D. (Johns Hopkins University, Baltimore, Maryland, USA)



Col. Vivek Shankar Mathur
Professor of Practice
M.Tech. (CAD)
Civil Engineering, IIT Roorkee

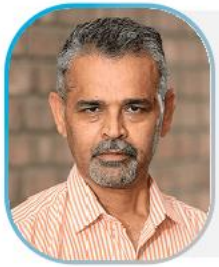


Prof. (Dr.) N. B. Singh
Department of Chemistry & Biochemistry
Ph.D. (DDU Gorakhpur, University)



Prof. (Dr.) Geeta Durga
Department of Chemistry & Biochemistry
Ph.D. (GGS Indraprastha University, New Delhi)

FACULTY THAT'S **TRULY INSPIRING**



Prof. (Dr.) Pramod K. Singh
Department of Physics & Environmental Sciences
Ph.D. (Banaras Hindu University)



Dr. Sanjeev Maheshwari
Professor
Department of (EECE)
Ph.D. Deen Dayal Upadhyay Gorakhpur University



Prof. (Dr.) Satya Prakash
Department of (CE)
Ph.D. from IIT-ISM, Dhanbad



Dr. Amit Sehgal
Department of (EECE)
Ph.D. from Dr. A. P. J. Abdul Kalam Technical University, Lucknow



Prof. (Dr.) Khursheed Alam
Head
Dept. of Mathematics & Data Science
Ph.D. (Jamia Millia Islamia, New Delhi)



Prof. (Dr.) Bhuwaneshwar Kumar Gupta
Distinguished Professor,
Dept. of Mathematics & Data Sciences
Ph.D. (Guwahati University, Guwahati)



Dr. Ram Vishwakarma
Distinguished Professor
Department of Chemistry
M.Sc., Ph.D.



Dr. Ruqaiya Khanam
Department of (EECE)
Ph.D. from Jamia Millia Islamia University



Dr. Sushma Kakkar
Department of (EECE)
Ph.D from IIT (ISM) Dhanbad



Prof. (Dr.) Tarun Varshney
Professor
Department of (EECE)
Ph.D. from MNNIT Allahabad



Dr. Vivek Srivastava
Department of Chemistry & Biochemistry
Ph.D. (National Institute of Immunology)



Dr. Vineet Kumar
Department of (ME)
Ph.D. from Jamia Millia Islamia, New Delhi



Dr. Kavita Khatana Bhati
Associate Professor
Department of Chemistry and Biochemistry
Ph.D. In Computational Bioorganic Chemistry



Dr. Sangeeta Gupta
Dept. of Mathematics & Data Science
Ph.D. ((Dr. B.R. Ambedkar University, Agra)



Dr. Preeti Jain
Department of Chemistry & Biochemistry
M.Sc, M.Tech, NET-JRF, GATE qualified, Ph.D.



Dr. Munendra Singh
Associate Professor
Dept. of Physics & Environmental Sciences
M.Sc., M.Phil., Ph.D.















APPLICATION BASED LEARNING CENTERS

Department of Electrical Electronics & Communication Engineering

- Linear Integrated Circuit
- Microprocessor and Interfacing
- Digital Communication
- Microcontroller and Embedded System
- Control System
- FPGA Design
- MOS VLSI Design
- Electronics CAD (VLSI)
- Electrical Machine
- Basic Electrical & Electronics Lab
- Advance Instrumentation & Automation
  - Robotics Lab - PLC & SCADA Lab
  - Wireless Sensor Network Lab
  - Virtual Instrumentation Lab
  - PSCAD Software
- Power system & Power Electronics
- Electrical Measurement
  - Electric Vehicle Lab - Drone Training lab
- Innovation to Product Development Cell
- IoT and Dron Technology Lab







Department of Civil Engineering

Physical Labs:

- Strength of Materials Lab
- Concrete Mix and Design Lab
- Mechanics of Solids Lab
- Transportation Engineering Lab
- Building Materials and Construction Lab
- Structural Analysis Lab
- Project Lab
- Environment Engineering Lab
- Fluid Mechanics Lab
- CAD/SAD (Structural analysis & Design) Lab
- Surveying Lab
- Geotechnical Engineering Lab
- Drone Lab

Software Based Labs:

- Advanced Structures Analysis Lab
- Geographical Information Systems (GIS) Lab
- Computer Aided Design Lab
- Advanced Design Lab
- Construction Management Lab
- Environmental Modelling Lab

Department of Basic Science Lab

- Centre for Solar Cells and Renewable Energy
- Centre for Artificial Intelligence in Medicine & Imaging Forensics
- The A. H. Siddiqi Centre for Advanced Research in Applied Mathematics & Physics
- Central Instrumentation Facility
- Optics Lab/Nuclear/Electronic Physics Lab
- Computational Chemistry Lab
- Nanoscience & Material Chemistry Lab
- Organic Electronics Lab
- Waste Management & Pollution Monitoring
- Advanced Polymeric Material /Molecular Biology Research Laboratory
- Advanced Medicinal Chemistry Research Laboratory
- Atmospheric Research Lab
- Acoustics Research Lab
- AI & Data Science Lab
- Advanced Material Research Lab
- Energy Storage Devices Lab

Department of Mechanical Engineering

Research Lab:

- IC Engines Lab
- Automobile Lab/Project Lab
- Mechanical Simulation Lab
- Computer Aided Design Lab
- Mechanics & Machines Lab
- TVS Motor Training Centre
- Solid Mechanics Lab
- Mechanical Workshop
- Mechatronics Lab
- 3-D Printing Lab
- Heat & Transfer
- Refrigeration Air Conditioning

Department of Mechanical Engineering

Programme Overview: B.Tech in Mechanical Engineering is a core engineering program that focuses on the design, analysis, manufacturing, and maintenance of mechanical systems. It is one of the oldest and broadest branches of engineering, combining principles of physics, mathematics, and material science to develop innovative solutions for real-world problem.

Key Specialization Focus

- **B.Tech. Mechanical Engineering**
- Specialization in Advanced Electric Vehicles in assoc. with L&T Edutech
- Specialization in Automotive Electric Vehicles
- Specialization in Mechatronics
- **M.Tech in Mechanical Engineering**
- **Ph.D in Mechanical Engineering**

Programme Highlights

- **Strong Fundamental Knowledge:** Comprehensive understanding of core subjects like thermodynamics, fluid mechanics, manufacturing, and machine design.
- **Industry-Oriented Curriculum:** Updated syllabus aligned with current industry trends and technologies.
- **Hands-on Practical Learning:** Well-equipped laboratories for workshops, CAD/CAM, robotics, and thermal engineering.
- **Advanced Software Training:** Exposure to tools like AutoCAD, SolidWorks, ANSYS, and MATLAB.
- **Focus on Emerging Technologies:** Learning opportunities in areas such as robotics, automation, 3D printing, and electric vehicles.
- **Project-Based Learning:** Mini and major projects to enhance real-world problem-solving skills.
- **Internship & Industrial Exposure:** Opportunities for internships, industrial visits, and live projects with industries.
- **Experienced Faculty:** Guidance from qualified and industry-experienced professors.
- **Research & Innovation Support:** Encouragement for research, patents, & participation in technical competitions.

Career Pathways

- Robotics & Automation Engineer
- Mechatronics Engineer
- HVAC (Heating, Ventilation, and Air Conditioning) Engineer
- Project Manager, Operations Manager, Supply Chain Manager, Technical Consultant
- **Design Engineer:** Works on CAD tools to design machines and components
- **Production Engineer:** Manages manufacturing processes in factories
- **Maintenance Engineer:** Ensures machines run efficiently with minimal downtime
- **Quality Control Engineer:** Maintains product standards and testing



Department of Electrical Electronics & Communication Engineering

Programme Overview: The Department of Electrical, Electronics and Communication Engineering (EECE) focuses on providing a strong foundation in electrical systems, electronics, and modern communication technologies. The department aims to develop skilled engineers with sound theoretical knowledge and practical expertise in areas such as power systems, control systems, embedded systems, and wireless communication.

Key Specialization Focus

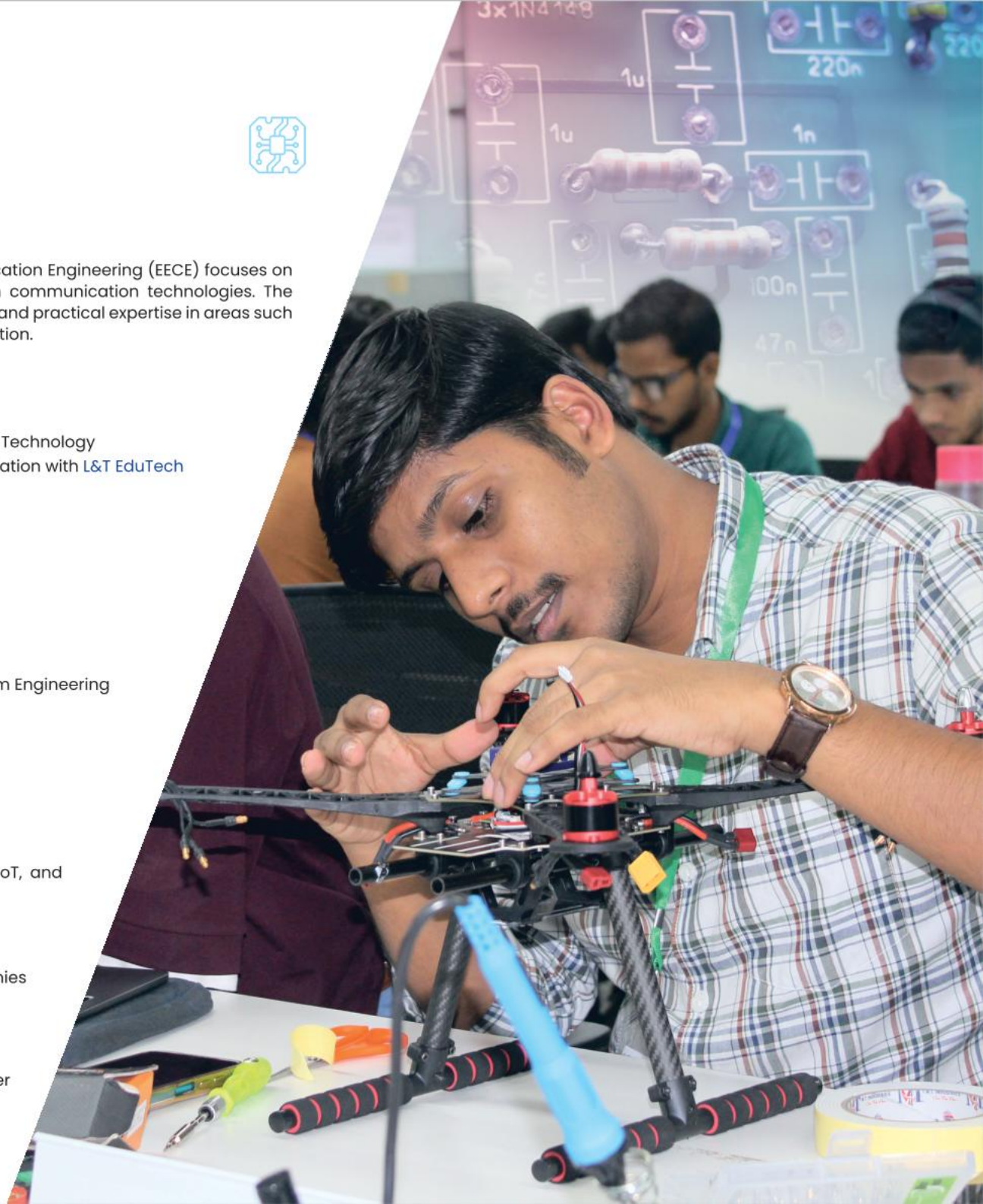
- **B.Tech. Electronics and Communication Engineering**
- Specialization in Robotics & Automation
- Specialization in VLSI Design and Technology
- Specialization in Semi Conductor Design Framework for Industrial ICs in association with L&T EduTech
- **B.Tech. Electrical and Electronics Engineering**
- Specialization in Renewable Energy Systems
- Specialization in Advance Electric Vehicle in association with L&T EduTech
- **B.Tech. Electronics and Computer Engineering**
- Specialization in AI and Machine Learning
- **M.Tech. (ECE) Specialization in**
- Digital Communication
- VLSI Technology
- **M.Tech. (EEE) Specialization in**
- Instrumentation & Control
- Industrial Automation
- Power System Engineering
- **Ph.D in Electrical, Electronics & Communication Engineering**

Programme Highlights

- Industry-oriented curriculum aligned with current technological trends
- Well-equipped laboratories for practical and hands-on learning
- Experienced and highly qualified faculty
- Exposure to modern tools and technologies such as embedded systems, IoT, and communication networks

Career Pathways

- Electrical Engineer in power generation, transmission, and distribution companies
- Embedded Systems Engineer in automation and IoT-based industries
- Higher studies such as M.Tech, MBA, or research programs (Ph.D.)
- Entrepreneur/Startup founder in technology and innovation domains
- **Control Systems Engineer:** Automation & control of industrial systems Engineer
- **Communication Engineer:** Work on telecom networks, wireless systems



Department of Civil Engineering

Programme Overview: B.Tech in Mechanical Engineering is a core engineering program that focuses on the design, analysis, manufacturing, and maintenance of mechanical systems. It is one of the oldest and broadest branches of engineering, combining principles of physics, mathematics, and material science to develop innovative solutions for real-world problem.

Key Specialization Focus

- **B.Tech. Civil Engineering**
- Specialization in Multi Modal Transportation
- Infrastructure with AI/ML in association with L&T EduTech
- **M.Tech. - Civil Engineering**
- Environmental Engineering
- Structural Engineering
- Construction Management
- Geotechnical and Earthquake Engineering
- **M.Tech. in Civil Engineering for Working Professionals**
- Structural Engineering
- Construction Management
- **Ph.D in Civil Engineering**

Programme Highlights

- **Strong Core Foundation:** Comprehensive knowledge of structural engineering, geotechnical engineering, transportation, environmental engineering, and construction management.
- **Industry-Oriented Curriculum:** Updated syllabus aligned with modern construction practices and industry requirements.
- **Practical & Field-Based Learning:** Well-equipped labs for material testing, surveying, geotechnical analysis, and environmental studies.
- **Advanced Software Training:** Exposure to tools like AutoCAD, STAAD Pro, ETABS, and GIS.
- **Focus on Modern Technologies:** Learning in areas such as smart cities, sustainable construction, green buildings, and infrastructure development.
- **Project-Based Learning:** Real-world projects to enhance design, planning, and execution skills.
- **Internships & Site Exposure:** Opportunities for internships, industrial visits, and on-site training with construction companies.

Career Pathways

- Site Engineer in construction and infrastructure projects
- Surveyor in land measurement and mapping projects
- Research/Development (R&D) roles in academic/industrial organizations
- Higher studies such as M.Tech, or research programs (Ph.D.)
- Construction Industry in Residential, commercial, & industrial projects



Department of Physics & Environmental Sciences

Programme Overview: The Department of Physics & Environmental Science focuses on building a strong foundation in fundamental physics while promoting awareness and understanding of environmental issues and sustainable practices. The department integrates theoretical concepts with practical applications in areas such as mechanics, electromagnetism, quantum physics, environmental studies, and ecological conservation.

Key Specialization Focus

- **B.Sc.** (Hons./ Hons. with Research) Physics
- **B.Sc.** (Hons./ Hons. with Research) Physics with Minor in AI based Computational Physics
- **B.Sc.** (Hons./ Hons. with Research) Physics with Minor in Renewable Energy
- **B. Sc.** (Hons./Hons. with Research) Environmental Science
- **B.Sc.** (Hons./Hons. with Research) Electronic Science
- **Master of Science**
- **M.Sc.** Physics » **M.Sc.** Environmental Science » **M.Sc.** Water Resources & Environmental Management
- **MS - Quantum Computing**
- **Ph.D. Physics**
- **Ph.D. Environmental Science**

Programme Highlights

- Interdisciplinary curriculum combining science and sustainability
- Well-equipped laboratories for physics experiments and environmental analysis
- Experienced and knowledgeable faculty members
- Emphasis on practical learning, fieldwork, and experimental techniques
- Opportunities for research projects and field studies
- Field Work & Practical Exposure for Environmental surveys, site visits, and real-world data
- Experienced Faculty & Mentorship for Guidance from subject experts and researchers.
- Focus on Sustainability & Innovation for Learning in areas like climate change, renewable

Career Pathways

- Research Scientist in physics or environmental research organizations
- Environmental Consultant in sustainability and environmental management firms
- Teacher/Lecturer in schools and higher education institutions
- Renewable Energy Specialist in solar, wind, and clean energy industries
- Data Analyst in scientific and environmental data analysis roles
- Research Analyst for works in labs, research institutes, and scientific organizations
- Laboratory Technician for handles experiments, testing, and data analysis



Department of Chemistry & Biochemistry

Programme Overview: The Department of Chemistry and Biochemistry focuses on understanding the composition, structure, and properties of matter, along with the chemical processes related to living organisms. The department provides a strong foundation in core areas such as organic, inorganic, physical chemistry, and biochemistry, integrating theoretical knowledge with practical applications in healthcare, pharmaceuticals, and industrial processes.

Key Specialization Focus

- **B. Sc.** Chemistry
- **B. Sc.** Biochemistry
- **B. Sc.** (Hons./ Hons. with Research) Chemistry
- **B. Sc.** (Hons./ Hons. with Research) Computational Chemistry
- **B. Sc.** (Hons./ Hons. with Research) Biochemistry
- **B. Sc.** (Hons./ Hons. with Research) Chemistry with Minor in Data Analytics/ Machine Learning/ Entrepreneurship
- **B. Sc.** (Hons./ Hons. with Research) Biochemistry with Minor in Forensic Science & Serology
- **M.Sc. Chemistry Specialization in**
- Organic » Inorganic » Physical
- **M.Sc. Biochemistry**
- **Ph.D. Chemistry**
- **Ph.D. Biochemistry**

Programme Highlights

- Industry-oriented curriculum aligned with current scientific advancements
- Well-equipped laboratories for chemical analysis and biochemical experiments
- Experienced and qualified faculty members
- Emphasis on practical learning and hands-on laboratory work Exposure to modern analytical instruments and techniques
- Opportunities for research projects and laboratory-based studies
- Internships in pharma companies, research labs, and chemical industries
- Guidance from qualified academicians and research experts

Career Pathways

- Chemist in chemical, pharmaceutical, and manufacturing industries
- Biochemist in healthcare, biotechnology, and research organizations
- Quality Control/Quality Assurance Analyst in labs and industries
- Research Scientist in chemical and life sciences fields
- Pharmaceutical Executive in drug development and production



Department of Mathematics & Data Science

Programme Overview: The Department of Mathematics and Data Science focuses on building strong analytical and problem-solving skills through the study of mathematical concepts and modern data-driven technologies. The department provides a solid foundation in areas such as algebra, calculus, statistics, and probability, along with specialized knowledge in data science, machine learning, and data analytics.

Key Specialization Focus

- **B.Sc.** (Hons. / Hons. with Research) Mathematics
- **B.Sc.** (Hons. / Hons. with Research) Data Science & Analytics
- **B.Sc.** Mathematics
- **B.Sc.** Data Science & Analytics
- **M.Sc.** Mathematics
- **M.Sc.** Data Science & Analytics
- **M.Sc.** Statistics
- **Ph.D. Mathematics**
- **Ph.D. Data Science & Analytics**
- **Ph.D. Statistics**

Programme Highlights

- Industry-oriented curriculum covering machine learning, data analytics, and AI fundamentals
- Hands-on training in programming languages such as Python, R, and relevant tools
- Well-equipped computer labs with modern software and technologies
- Emphasis on practical learning through projects and case studies
- Exposure to data visualization and big data technologies
- Exposure to Modern Tools & Technologies
- Focus on Emerging Fields like AI, Big Data Analytics, and Predictive Modelling
- Research & Analytical Development

Career Pathways

- Data Scientist in IT, finance, healthcare, and e-commerce industries
- Data Analyst in business intelligence and analytics roles
- Machine Learning Engineer in AI-driven organizations
- Statistician in research institutions and government sectors
- Research and Development (R&D) roles in data-driven fields
- Business Analyst for uses data to improve business strategies
- IT & Software Industry/Tech companies and product-based firms
- Product Manager (Data-driven products)



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**
- Start UP: **47.5 Lakhs**
- 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



SHARDA UNIVERSITY
SEED FUND GRANT

for student's product /prototype development

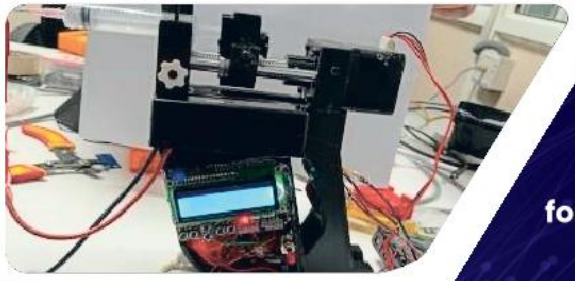
Portable Handheld Electrospinning Apparatus

Mr. Abhay Singh (UG), Mr. Aryan Kumar (UG)

Mentors: Dr. Sunil Chauhan and Prof. R. C. Singh

Amount: 1.5 Lakhs

Patent Published: HANDHELD ELECTROSPINNING APPARATUS, Patent Granted: Sunil Chauhan et Al, "AN ELECTROSPINNING UNIT FOR PRODUCING NANOFIBERS", Indian Paten.



Students have Designed:

- Divya Shakti: Electrical Vehicle for disabled & elderly people
- Commercial air purifying tower named 'Atom'to fight against Covid 19
- UVC BOX which is capable of killing COVID 19 virus by using UVC germicidal lamp
- Electric Sports bike (VISION); Electric hub less bike (VAAAN)
- Dog-bot for surveillance across varied terrains
- An automatic sanitizer dispenser to fight against COVID 19
- India's first 3D printed WALL-E: a home surveillance robot
- Hybrid Electric+Solar Vehicle
- Mountain Climber Bike
- Ambu Vent- A low cost mechanical ventilator
- Smart Air Purifying Droid (S.A.P.D)



Sharda Skills - Enhancing competencies to excel

Sharda Skills imparts life skills to students and professionals in problem solving, multitasking, crisis management, team skills, commu. skills & personality development etc. Sharda Skills also imparts specific skills which can be pursued either as a hobby or for employment, business, and entrepreneurial reasons. Sharda Skills also provides coaching and mentoring to students who want to prepare for various competitive exams like UPSC, CAT, GRE, GMAT, SSC, IBPS etc within the campus after University hours.



(under MSME Idea Hackathon 2022 Scheme)

Students of Sharda University Receive Highest

Grant of 15 Lacs by MSME

for developing a heat alert device for electric vehicle's batteries

After seeing various incidents of sudden fire in electric cars & bikes, engineering students at Sharda University have developed a heat alert device for the vehicle's battery. Two students studying in their fourth year of B.Tech, Sudhanshu Sharma & Pranjal Kumar have developed a smart battery management system integrated with the CAN Bus interface in which the driver will get an alert before fire starts. The device was presented at the Ideation Hackathon 2022, organized by the Ministry of Micro, Small, and Medium Enterprises. The project received the highest grant of 15 Lakh in the MSME innovative scheme which was announced by Shri Narendra Modi, Hon'ble Prime Minister of India on the occasion of International MSME Day at Vigyan Bhawan on 30th June 2022.



Mr. Sudhanshu Sharma
(ECE- 4th year)

Mr. Pranjal Kumar
(EEE- 4th year)

Students Engineering **Product**

Innovations ›

At Sharda, Engineering students get ample opportunity to apply their technical knowledge on projects throughout the duration of the programme. Students get to practise real engineering through project-based learning, project to product development, providing them with a concrete foundation of both theory and hands-on experience.

Creator of smart air purifying DROID/automatic sanitiser dispenser/smart UVC Box (capable of killing Covid-19 virus)

Mr. Sudhanshu Sharma, pursuing Electronics & Communication Engineering has won first prize in Technovation Hackathon 2. His project was based on 'Smart City & Governance' (Smart Healthcare) and the title of the project was"Smart Air Purifying Droid (S.A.P.D)". The purifier can move on its own while purifying the air with the help of HEPA filters and activated carbon filters substituted with UV lamp.



India's first 3D printed home surveillance robot

Mr. Vasu Dev, pursuing Electronics and Communication Engineering has developed India's first 3D printed home surveillance robot inspired by the movie WALL-E. Mr. Vasudev alongwith his team members participated in Technoxician, World Robotics Championship.



Drone for Greater Noida Authority

Mr. Manthan Gandhi pursuing Electronics & Communication Engineering has developed a fully autonomous drone for Greater Noida Authority. GNIDA had requested for a drone which can do surveillance of the green belt of GNIDA & has a range of 15km with more flight time.



Electric two wheeler vehicle

Students of ME Department have featured in the Cover Page of India Today Magazine for their innovative design Smart Electric Two Wheeler Vehicle. Students of ME Department showcased their talent in Auto Expo, 2020 by designing an Electric Hybrid Two Wheeler Vehicle. The design & the model attracted lot of attention & appreciation from the visiting peers of Automotive Industry as well as all other visitors.



Department of M.E. in collaboration with Department of Design has completed five Automotive and two Robotics projects



Student **Projects**



» **Mr. Dermite Fabrice, Mr. Adhiraj Chauhan, Ms. Nishi Kumari** from EECE are working on Drone for Green Belt Monitoring



» **Mr. Nishant Sharma** developed UVC Disinfection Robot



» **365 BMW Twin Power Turbo** In-Line 4 Cylinder Diesel Engine designed by students



» **Department of Mechanical Engineering** students designed **Divya Shakti Scooter** for physically disabled persons



» **Mr. Nishant Sharma** from CSE has created a robot named **Delta 3.0** for automatic dispensing of medicines and sanitizers

CULTURAL SOCIETY OF **SHARDA UNIVERSITY**

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.

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.

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



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.

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 SSES

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

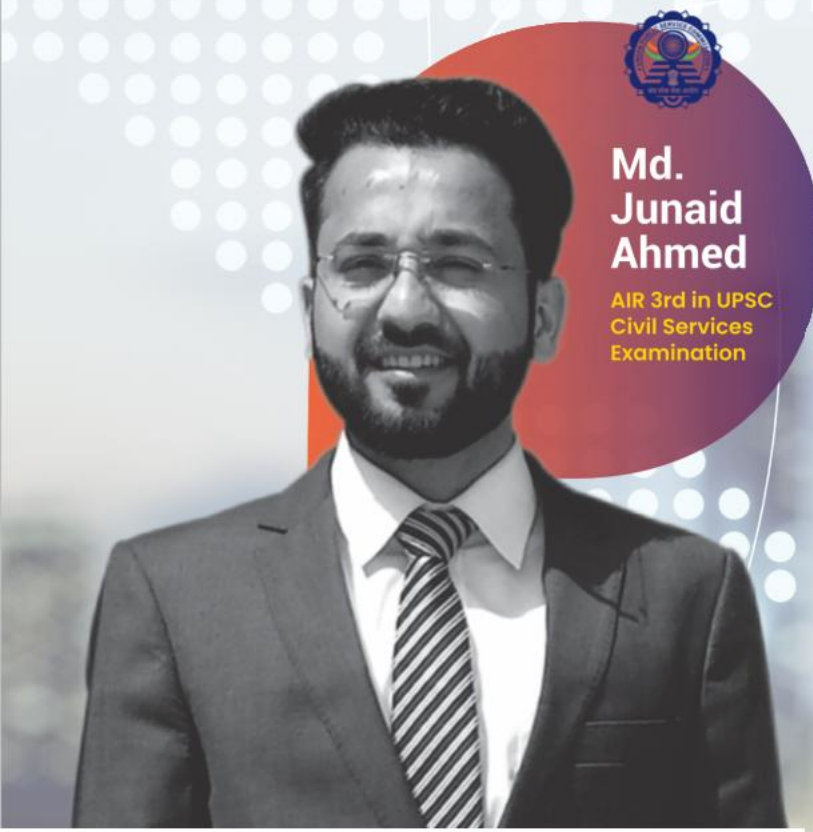
The Club is a creative space where moments transform into stories and visuals find their voice. It is a community for students passionate about photography, videography, and visual storytelling, encouraging them to explore the art behind every frame.

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

ALUMNI
WHO INSPIRE



Md. Junaid Ahmed
AIR 3rd in UPSC Civil Services Examination



R.K. Polishetty
Vaco, USA
vaco
1 CR.



Prof. Diwakar Vaish
Entrepreneur
Founder
AgVa Healthcare



Khushi Kapoor
Microsoft
Microsoft
48 LPA



Aditya Singh
Dominus Labs
51 LPA



Vedangi Agarwal
B.Tech.- CSE
amazon
35 LPA

RISING STARS OF SHARDA



Maseehullah Ziaee
B.Tech. (CE)
Dynamis Vision
36 LPA



Auzaif Khan
B.Tech. (ECE)
Hunter Steel Flanges Manufacturing L.L.C
25 LPA



Kashan Iqbal
B.Tech. (ME)
Talentserve
12 LPA



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Feed Enggineering & Suppliers, Nepal
10.15 LPA



Amrit Muskan
B.Tech. (ECE)
Sinhal Udyog Pvt. Ltd. (Kimbal)
10 LPA



Yogesh Dwivedi
B.Tech. (ECE) Hitachi
10 LPA



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Edutech, Bangaluru
9 LPA



Jaskirat Singh
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Honda Motorcycle
8 LPA



Uday Sharma
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Talentserve
7.5 LPA



Mohit Srivastava
B.Tech. (CE)
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Sylvia Keisham
B.Tech. (ECE)
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Lalnuntharzela
B.Tech. (CE)
11th Rank in Mizoram Public Service Commission



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M.Tech. (EEE)
Federal Civil Service Commission



Deepak Kumar
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SCHOLARSHIP IN HIGHER EDUCATION



Sai Deepak
MS from University of Texas, USA



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Ishan Shrestha
MS from Wright State University, Dayton, Ohio, US



Bharti Sangwan
Ph.D from The State University of New York Polytechnic



Thejakhrielie Ngulezhu
Ph.D from Nicholas Copernicus University, Poland



Nisha Pal
Ph.D from University of Malaya, Malaysia



Anayat Ali
Ph.D from Tongji University, China



Vishal Yadav
M.Sc. from Technische University Hamburg, Germany

HANDS-ON EXPERIENCE THROUGH **SUMMER INTERNSHIP**



Punyae Bhati
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Bhavya Kapoor
M.Sc. Biochemistry



Avinash Aggarwal
B.Sc. Physics



T. Lalrinnungi
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B.Sc. Data Science
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Internship in ML at Ignitus,
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Manish Kumar
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B.Sc. Biochemistry



Alok Kumar
B.Sc. Data Science
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Digital India Corporation under
the Ministry of Electronics & IT,
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Bhoomika
B.Sc. Biochemistry

ALUMNI AS **TOP 2% SCIENTIST** WORLD WIDE

Two Alumni recognized among the World's Top 2% Scientists by Elsevier & Stanford University, USA



Dr. S.M. Anas
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& Architecture, New Delhi



Dr. Sani Isah Abba
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Mohammad Bin Fahad
University, Saudi Arabia



Dr. Sufyan Ghani
Assistant Professor,
Civil Engineering (CE)

PLACEMENT **PARTNERS**



GLOBAL **COLLABORATIONS & MoU**

- University of Kassel, Kassel, Germany
- Texas A&M University at Qatar, Doha, Qatar
- Western University, Canada
- National Yang Ming Chiao Tung University, Taiwan
- IIT, Delhi, India
- Indian Institute of Science, Bangalore
- Israel Institute of Technology, Israel
- Qingdao University of Technology, China
- Spanish National Research Council (CSIC), Spain
- CCCC Fourth Harbor Engineering Co., Ltd., China
- Near East University, Cyprus
- University of Tabriz, Iran
- University Putra Malaysia, Malaysia
- University Technology Malaysia, Malaysia
- King Fahd University of Petroleum & Minerals, Saudi Arabia
- Oregon State University, US
- Ceradecor, India Pvt. Ltd., India
- Northern Territory, Australia
- Vikram Sarabhai Space Centre, Thiruvananthapuram, India
- Agastya International Foundation, India
- Clarkson University, NY, USA
- University Malaya Malaysia, Malaysia
- Federal Polytechnic Oku, Nigeria
- Baze University, Nigeria
- Tsinghua University, Beijing
- National Institute of Hydrology, Roorkee
- Charles Darwin, Darwin
- Danish Technological Institute, Denmark
- Chalmers University of Technology, Sweden
- IIT, Tirupati, India

GLOBALED **VISIBILITY OF ALUMNI**

- University of Massachusetts Amherst
- University of Sao Paulo Brazil
- University of Nova Gorici, Slovenia
- National Yang Ming Chiao Tung University, Taiwan
- University of Windsor
- University of Naples, Federico, Italy
- Central Michigan University, USA
- Penn State University
- The State University of New York
- Indian Institute of Science, Bangalore
- Wright State University Dayton, Ohio, United States
- National Tsing Hua University, Taiwan
- Nicolaus Copernicus University, Poland
- Centre for Development for Advance Computing
- University of Oxford
- St Hilda's College
- University of the Bundeswehr Munich
- National Institute of Technology Jamshedpur
- University of Texas A&M
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SHARDA UNIVERSITY
Beyond Boundaries
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SHARDA UNIVERSITY
AGRA

SHARDA TECH

SHARDA WORLD SCHOOL elc

SHARDA UNIVERSITY
UZBEKISTAN

SHARDA GROUP

ShardaCare
HEALTHCITY
Healthier World Together

SHARDA WORLD SCHOOL
Elevating Futures

HINDUSTAN CAMPUS
FARAH, MATHURA

UGEnterprises

RSPL
Building Dreams

SHARDA WELFARE FOUNDATION

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