



**NIRWAN
UNIVERSITY
— JAIPUR —**
शिक्षा संस्कार सामर्थ्य

Established by the Rajasthan State
Legislature vide Act No. 2 of 2017 and
recognized U/s 2(f) of the UGC Act 1956

SCHOOL OF FORENSIC SCIENCE AND CYBER FORENSIC

Decoding *Evidence*, Delivering *Justice*, Empowering the *Future*



www.nirwanuniversity.ac.in



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ABOUT NIRWAN UNIVERSITY

Nirwan University Jaipur (NUJ) was established by the Government of Rajasthan vide Act No. 2 of 2017 and recognized u/s 2 (f) of the UGC Act, 1956 for the award of degrees u/s 22 of the UGC Act. Nirwan University Jaipur has twelve different schools with multiple programmes making it one of the most sought after options for higher education among students. It is promoted by "NIRWAN CHARITABLE TRUST", which also runs health care institutions, viz., S.N. Super Specialty Hospital, Sihag Hospital and Swastik Blood Bank at Sri Ganganagar, Rajasthan.

- ▶ Rajasthan Dental College and Hospital
- ▶ S.N. Institute of Nursing Sciences
- ▶ S.N. College of Law
- ▶ School of Allied Health Sciences
- ▶ School of Ayurveda, Naturopathy & Yogic Sciences
- ▶ School of Pharmaceutical Science
- ▶ School of Agricultural Sciences
- ▶ School of Commerce and Management
- ▶ School of Engineering and Technology
- ▶ School of Basic and Applied Sciences
- ▶ School of Library and Information Science
- ▶ School of Computer Science and Applications
- ▶ School of Art's Humanities and Social Sciences
- ▶ School of Physical Education and Sports
- ▶ School of Forensic Science and Cyber Forensic



The University pursues distinct teaching-learning methodologies and provides conducive academic environment with state of art facilities. The university encourages students to participate in various co-curricular and extra-curricular activities to ensure comprehensive and holistic development of their personality. University is committed to create conscious global citizens and leaders for tomorrow, thus provides an ecosystem of instilling human values along with quality education. The academic ecosystem includes well equipped infrastructure, Residential Campus, highly qualified, seasoned and research oriented faculty members in a salubrious environment.

INTRODUCTION

Established in the landmark year 2026, the School of Forensic Science at Nirwan University represents a visionary response to the rapidly evolving paradigms of criminal investigation, cyber threats, and corporate security. Conceived to bridge the critical gap between raw academic science and the sophisticated technical demands of justice administration, the School stands out as a unique hub of specialized professional education.

Our pedagogy completely transforms structural paradigms by moving away from traditional pure lecture-based formats and replacing them with hyper-practical, industry-aligned training regimes. Designed under the stringent benchmarking requirements of modern legislative and technological bodies, the School guarantees that students master evidence authentication from day one.

OBJECTIVES

- ▶ **Elite Academic Training:** Deliver industry- vetted coursework providing absolute fluency across scientific disciplines.
- ▶ **Ethical Integrity:** Imbue strict legal understanding regarding evidence chain-of-custody, protocols, and court admissibility.
- ▶ **Research Mobilization:** Incentivize students to formulate patents, copywritten tool architectures, and technical analytical papers
- ▶ **Agile Employability:** Produce industry-ready analysts immediately ready for absorption in premier State and Central intelligence bodies.

VISION

To emerge as an internationally acclaimed epicenter of excellence in forensic education, empirical research, and digital investigation, fostering highly ethical, technically superlative specialists who serve as modern custodians of global law enforcement and societal justice.

MISSION

- ▶ Modules anchored firmly on experiential learning and real-world case simulations.
- ▶ To cultivate top-tier strategic linkages with regional, federal, and global investigative units for advanced skill integration.
- ▶ To drive path-breaking technological innovation in molecular diagnostics, toxicological tracking, and dark web tracking.



PROGRAMMES OFFERED

S.N.	PROGRAMME	ELIGIBILITY	DURATION
1	Diploma in Forensic Science	Successful completion of 10+2 examination in Science stream (PCM/ PCB) from a recognized state or national educational board with a minimum of 50% aggregate marks.	1 Year (2 Semesters)
2	B.Sc. in Forensic Science	Successful completion of 10+2 examination in Science stream with Physics, Chemistry, and Biology/Mathematics/Agriculture, achieving a minimum of 50% marks in the qualifying exam.	3 Semester (6 Years)
3	M.Sc. in Forensic Science	B.Sc. degree in Forensic Science or relevant fundamental science branches (Chemistry, Physics, Botany, Zoology, Biochemistry, Microbiology, B.Pharm, or BDS) with a minimum of 50% marks.	4 Semester (2 Years)

LABORATORY DETAILS & FACILITIES

Our infrastructure matches global regulatory frameworks, rendering our university campus uniquely prepared to conduct real casework simulation:

- **Molecular Biology & DNA Unit:** Equipped with high-throughput thermal cyclers, realtime PCR suites, vertical gel documentation modules, and automated micro-fluidic bio-analyzers for ultraprecise genetic identification tracking.

► **Analytical Chemistry & Toxicology:** Features modern instrumentation arrays including Gas Chromatography connected to Mass Spectrometry (GC-MS), automated HPLC arrays, UV-Vis spectrophotometers, and specialized narcotic rapid assay testing environments
- **Dedicated Cyber Range & Digital Lab:** Industrial forensic imaging software suites including licensed EnCase and FTK environments, mobile chip-off forensic rigs, network hardware sniffers, and clean sandbox virtual spaces.

► **Physical Evidence & Document Chamber:** Houses highly sophisticated stereo and comparison microscopes, electrostatic detection systems (ESDA) for indented handwriting retrieval, and advanced VSC multi-spectral document imaging equipment.

SPECIALIZED LEARNING FACILITIES

Simulated Mock Crime Scenes: Full-scale physical layouts mimicking urban residential spaces, retail banks, and outdoor transit zones for realistic multi-level crime scene processing training.

Expert Witness Courtroom: A high-fidelity mock courtroom chamber specifically engineered to train forensic scholars on holding legal standing against hostile cross-examinations.

Bloodstain Pattern Analysis (BPA) Hangar: A dedicated physical testing range featuring highvelocity impact zones to study drop angles, drip trails, splash patterns, and cast-off distributions using realistic synthetic biological fluids.

Physical Evidence & Document Chamber: Houses highly sophisticated stereo and comparison microscopes, electrostatic detection systems (ESDA) for indented handwriting retrieval, and advanced VSC multi-spectral document imaging equipment.

THE CORE PILLARS & USPS

What differentiates the School of Forensic Science at Nirwan University is our total disruption of typical passive learning frameworks:

HYPER-PRACTICAL FOCUS

60%of all semester credits are explicitly tied to physical lab experimentation, crime scene reconstruction, and live evidence testing.

MANDATED INTERNSHIPS

Structural placement pathways within official State (SFSL) and Central Forensic Science Laboratories (CFSL).

ADVANCED CYBER INTEGRATION

Deep-dive curriculum structure containing actual AI, ML, blockchain analytics, and darknet investigative capabilities.



EMPLOYMENT OPPORTUNITIES & FUTURE SCOPE

Forensic discipline graduates access highly secure, critical public sector tracks as well as exponential growth private operational matrix areas. As technological components become baseline factors within global crime prevention paradigms, global hiring indices project a dramatic acceleration in specialized recruitment needs.

PUBLIC SECTOR FRAMEWORKS

Central Bureau of Investigation (CBI), Intelligence Bureau (IB), Narcotics Control Bureau (NCB), State & National Forensic Science Laboratories, Police Crime Cells.

CORPORATE SECURITY & ASSURANCE

Global Big-4 Consulting entities (Deloitte, EY, KPMG, PwC), Nationalized Banking institutions, Private Cyber Security R&D Centers, Legal Firms.





APPROVAL AND AFFILIATION



PROGRAMME OFFERED IN NUJ

RAJASTHAN DENTAL COLLEGE & HOSPITAL

- ◆ Bachelor of Dental Surgery (B.D.S.)
- ◆ Master of Dental Surgery (M.D.S.) -
Conservative Dentistry & Endodontics
Oral & Maxillofacial Surgery
Orthodontics & Dentofacial Orthopaedics
Prosthodontics, Crown & Bridge, Periodontics
Pedodontics, Oral Medicine & Radiology
Oral Pathology & Microbiology
Public Health Dentistry
- ◆ Doctor of Philosophy (Ph.D.)

S.N. INSTITUTE OF NURSING SCIENCES

- ◆ Bachelor of Science (B.Sc.) - Nursing
- ◆ Doctor of Philosophy (Ph.D.)

SCHOOL OF PHARMACEUTICAL SCIENCE

- ◆ Bachelor of Pharmacy (B.Pharm)
- ◆ Diploma in Pharmacy (D.Pharm)
- ◆ Doctor of Philosophy (Ph.D.)

S.N. COLLEGE OF LAW

- ◆ BA LL.B. (Bachelor of Arts and Bachelor of Legislative Law)
- ◆ LL.B. (Bachelor of Laws or Bachelor of Legislative Law)
- ◆ LL.M. (Masters of Laws) - Corporate and Commercial Law
Constitutional Law and Administrative Law
Criminal and Security Law, Intellectual Property Law
Cyber and Security Law
- ◆ Doctor of Philosophy (Ph.D.)

SCHOOL OF FORENSIC SCIENCE AND CYBER FORENSIC

- ◆ Diploma in Forensic Science
- ◆ Bachelor of Science (B.Sc.) in Forensic Science
- ◆ Master of Science (M.Sc.) in Forensic Science

SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

- ◆ Bachelor of Computer Applications (BCA)
- ◆ Master of Computer Applications (MCA)
- ◆ Post-Graduation Diploma in Computer Applications (PGDCA)
- ◆ Doctor of Philosophy (Ph.D.)

SCHOOL OF ALLIED HEALTH SCIENCES

- ◆ Bachelor of Physiotherapy (BPT)
- ◆ Master of Physiotherapy (MPT) - Cardio-Pulmonary Science,
Neuroscience, Musculoskeletal Science, Sports Science
- ◆ Bachelor of Medical Radiology and Imaging Technology (BMRIT)
- ◆ Bachelor of Medical Laboratory Sciences (BMLS)
- ◆ Bachelor of Anaesthesia & Operation Theatre Technology (BAOTT)
- ◆ Diploma in Medical Laboratory Technology (DMLT)
- ◆ Diploma in Radiation Technology (DRT)

SCHOOL OF COMMERCE AND MANAGEMENT

- ◆ Bachelor of Commerce (B.COM.)
- ◆ Bachelor of Business Administration (BBA)
- ◆ Master of Business Administration (MBA) - HRM,
Finance, Sales & Marketing, Hospital Management
- ◆ Master of Commerce (M.COM.) - ABST, BADM, EAFM
- ◆ Doctor of Philosophy (Ph.D.)

SCHOOL OF ENGINEERING AND TECHNOLOGY

- ◆ Diploma Engineering (Polytechnic) -
Electrical Engineering, Mechanical Engineering
Computer Science Engineering
- ◆ Bachelor of Technology (B.Tech.) -
Electrical Engineering, Mechanical Engineering
Computer Science Engineering
- ◆ Master of Technology (M.Tech.) - Power System
Production Engineering, Renewable Energy Technology
Computer Science Engineering
- ◆ Doctor of Philosophy (Ph.D.)

SCHOOL OF AGRICULTURAL SCIENCES

- ◆ B.Sc. (Bachelor of Science) - Agriculture (Hons.)
- ◆ M.Sc. (Agriculture)- Agronomy,
Soil Science and Agricultural Chemistry
- ◆ M.Sc. (Horticulture)- Fruit Science, Vegetable Science
- ◆ Doctor of Philosophy (Ph.D.)

SCHOOL OF BASIC AND APPLIED SCIENCES

- ◆ Bachelor of Science (B.Sc.) - (CBZ/PCM)
- ◆ Master of Science (M.Sc.) - Chemistry, Mathematics,
Physics, Botany, Zoology
- ◆ Doctor of Philosophy (Ph.D.)

SCHOOL OF LIBRARY AND INFORMATION SCIENCE

- ◆ Diploma in Library and Information Science (DLIS)
- ◆ Bachelor of Library and Information Science (BLIS)
- ◆ Master of Library and Information Science (MLIS)
- ◆ Doctor of Philosophy (Ph.D.)

SCHOOL OF PHYSICAL EDUCATION AND SPORTS

- ◆ Bachelor of Physical Education and Sports (BPES)
- ◆ Master of Physical Education and Sports (MPES)
- ◆ Doctor of Philosophy (Ph.D.)

SCHOOL OF AYURVEDA, NATUROPATHY & YOGIC SCIENCES

- ◆ Bachelor of Naturopathy and Yogic Sciences (BNYS)
- ◆ Bachelor of Science (B.Sc.) - Ayurveda Nursing
- ◆ Diploma in Ayush Nursing and Pharmacy (DAN&P)
- ◆ Bachelor of Arts in Yoga (BA-Yoga)
- ◆ Master of Arts in Yoga (MA-Yoga)
- ◆ P.G. Diploma in Yoga
- ◆ Diploma in Yoga
- ◆ Doctor of Philosophy (Ph.D.)

SCHOOL OF ARTS, HUMANITIES AND SOCIAL SCIENCES

- ◆ Bachelor of Arts (BA)
- ◆ Master of Arts (MA) - Hindi, English, Geography,
History, Political Science, Sociology
Social Work (MSW), Psychology
- ◆ Doctor of Philosophy (Ph.D.)



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