

**Draft Ordinance and Regulations (NEP-2020)**  
**One Year Certificate Course in AI-Assisted Forensic and Cyber Skill Development**  
**Under the aegis of**  
**Centre for Forensic Science**  
**Lalit Narayan Mithila University, Darbhanga**  
**(To be housed at Advanced Research Centre-ARC, LNMU)**

## **INTRODUCTION**

The rapid advancement of technology has significantly transformed the nature of crime, investigation, and policing. The increasing prevalence of cybercrime, digital fraud, identity theft, online harassment, and technology-enabled offences has created an urgent demand for professionals trained in modern forensic and cyber investigation techniques. Simultaneously, the integration of Artificial Intelligence (AI) in forensic science has enhanced the efficiency, accuracy, and speed of evidence analysis, crime pattern recognition, surveillance, and decision support systems.

The certificate programme in AI-Assisted Forensic Science and Cyber Skill Development is designed to address the growing need for **technology-enabled, documentation-driven and legally defensible forensic education**, aligned with **NEP-2020, UGC guidelines**, and emerging requirements of the criminal justice system.

The programmes emphasize:

- **AI-assisted analysis with human validation**
- **Forensic documentation and evidence handling**
- **Legal mapping and court-oriented reporting**
- **Simulation-based practical and studio learning**

All instructional activities shall be conducted using **simulated / academic case scenarios**, ensuring ethical, legal and academic integrity.

The establishment of this course under the Centre for Forensic Science aligns with the objectives of NEP-2020, emphasizing skill development, and employability.

## PROGRAMME OBJECTIVES

The programmes aim to:

- To establish a strong foundation in forensic science, criminalistics, and evidence logic.
- To place forensic science within the broader framework of the criminal justice system and policing.
- To build elementary competence in crime scene handling, documentation, and exhibit management.
- To train students in FIR drafting, case diary writing, and legal fact mapping.
- To introduce biological evidence, forensic instrumentation, imaging, sensors, and digital evidence handling.
- To provide beginner-level skill training in questioned documents and forensic imaging techniques.
- To develop digital literacy and analytical skills in forensic contexts.
- To strengthen communication skills, including scientific writing and use of Hindi / MIL in forensic and legal contexts.
- To embed environmental awareness, constitutional values, ethical practices, and responsible use of technology.
- To deepen value-based learning through Understanding India, ethics, and community engagement.
- To prepare students for the summer vocational module and facilitate progression beyond the UG Certificate stage.

## PROGRAMME SPECIFIC OUTCOMES (PSOs)

On successful completion of the Certificate Programme, the learner will be able to:

**PSO1.** Explain the basic structure of the criminal justice process and the role of forensic support in investigation.

**PSO2.** Draft and maintain basic legal, procedural, and evidence-related records in structured formats.

**PSO3.** Use beginner-level AI-assisted academic tools for documentation, case support, digital handling, and review under human supervision.

**PSO4.** Demonstrate introductory competence in biological, documentary, digital, and instrument-linked forensic tasks.

**PSO5.** Show ethical, linguistic, civic, and workplace readiness for certificate-level forensic support roles.

## **ELIGIBILITY**

Admission to the Undergraduate Programme in AI-Assisted Forensic & and Cyber Skill Development shall be open to candidates who have:

1. Passed 10+2 (Senior Secondary Examination) or equivalent from a recognized Board / Council / University.
2. Studied any stream (Science / Commerce / Arts) at 10+2 level.
3. Obtained minimum qualifying marks as prescribed by the University from time to time.

*Note:* Prior knowledge of computer science, law, or forensic science is not mandatory.

## **INTAKE**

Intake capacity will be 30 (per batch).

## **MEDIUM OF INSTRUCTION**

Medium of Instruction will be English and/or Hindi

## **VACATIONS AND HOLIDAYS**

As per university calendar

## **METHOD OF SELECTION**

Admission shall be made Through University admission process / counselling / merit list.

## **RESERVATION**

Existing Government policies related to admission criteria for SC/ST/OBC and other categories as adopted by the university shall be followed.

Candidate seeking admission through reservation shall produce Caste certificate issued by competent authority.

In the event of seats lying vacant in reserved category, admission to candidates of general category from the merit list may be considered as per provision.

## **FEE STRUCTURE**

A total of Rs. 6000/ inclusive of all the charges as below shall be charged at the time of admission.

<b>Admission fee</b>	<b>Rs. 500/</b>
<b>Tuition fee</b>	<b>Rs. 1800/</b>
<b>Development Fee</b>	<b>Rs. 2000/</b>
<b>Library Fee</b>	<b>Rs. 200/</b>
<b>Identity Card</b>	<b>Rs. 200/</b>
<b>Examination fee</b>	<b>Rs. 700/</b>
<b>Software</b>	<b>Rs. 600/</b>
<b>Grand Total</b>	<b>Rs. 6000/</b>

#### **ACADEMIC SESSION**

- i. July to December
- ii. January to June

#### **ATTENDANCE**

A minimum of 75% attendance in theory and practical classes is mandatory.

#### **INFRASTRUCTURE AND LABORATORY FACILITIES**

The Certificate Course in AI-Assisted Forensic and Cyber Skill Development shall be supported by the existing infrastructure of the Advanced Research Centre (ARC) of Lalit Narayan Mithila University, Darbhanga, with suitable upgradation and augmentation to meet the academic, practical, and technological requirements of the programme.

#### **ETHICAL, LEGAL, AND ACADEMIC COMPLIANCE**

All practical and laboratory activities shall be conducted strictly using simulated, anonymized, or academic case data.

No real or live investigation data shall be used at any stage.

## PROGRAMME IMPLEMENTATION

The programmes shall be implemented through:

1. Classroom teaching
2. Laboratory and practical sessions
3. Case studies and simulations
4. Field visits and internships (where applicable)

## CREDIT SYSTEM

The programme shall follow the **Choice Based Credit System (CBCS)**.

Credit allocation for each course shall be defined in terms of **Lecture (L), Tutorial (T), and Practical (P)** components.

## PROPOSED COURSE STRUCTURE: for 1 Year (2 Semester) Certificate Programme under CBCS System

**Semester I: Total Credits: 20**

Sl. No.	Course Category	Course Code	Course Title	L-T-P-C	Credits
1	Major Course	AFS-MJC-101	Foundations of Forensic Science & Criminalistics	4-0-0-4	4
2	Major Lab	AFS-MJC-102	Crime Scene Management, Evidence Handling & Documentation Lab	0-0-4-2	2
3	Minor Course	AFS-MIC-111	Introductory Forensic Biology	4-0-0-4	4
4	Multidisciplinary Course	AFS-MDC-121	Digital Systems, Data Literacy & Computer Applications	3-0-0-3	3
5	Ability Enhancement Course	AFS-AEC-131	English Communication & Scientific Writing for Forensic Studies – I	2-0-0-2	2

6	Skill Enhancement Course	AFS-SEC-141	Questioned Documents, Imaging Tools & Practical Skills	1-0-4-3	3
7	Value Added Course	AFS-VAC-151	Environmental Science, Sustainability & Constitutional Values	2-0-0-2	2

**Semester II: Total Credits: 20**

Sl. No.	Course Category	Course Code	Course Title	L-T-P-C	Credits
1	Major Course	AFS-MJC-161	Police Science, Criminal Justice System & Investigative Procedure	4-0-0-4	4
2	Major Studio	AFS-MJC-162	FIR Drafting, Case Diary & Legal Mapping Studio	0-0-4-2	2
3	Minor Course	AFS-MIC-171	Forensic Instrumentation, Sensors & Imaging	4-0-0-4	4
4	Multidisciplinary Course	AFS-MDC-181	Psychology, Behaviour & Society for Investigation	3-0-0-3	3
5	Ability Enhancement Course	AFS-AEC-191	Hindi, Legal Vocabulary & Forensic Communication – II	2-0-0-2	2
6	Skill Enhancement Course	AFS-SEC-193	Digital Evidence Handling, Chain of Custody & Case File Skills	1-0-4-3	3
7	Value Added Course	AFS-VAC-195	Understanding India, Ethics & Community Engagement	2-0-0-2	2

## **EXAMINATION AND EVALUATION SYSTEM**

Student shall be eligible to appear in the Examination for each Semester only after securing 75% attendance both in theory and practical classes separately and was also passed in all CIA.

The examination system shall consist of:

- **Continuous Internal Assessment (CIA): 30%**
- **End Semester Examination (ESE): 70%**

Components of CIA (For theory course):

A mid-semester written test (1x15) = 15 marks

Seminar/Quiz/Presentation/Assignment = 10 Marks

Attendance and conduct = 5 Marks

Total = 30 Marks

• Components of CIA (For practical course):

A mid-semester written test (1x15)= 15 marks

Seminar/Quiz/Presentation/Assignment = 10 Marks

Attendance and conduct = 5 Marks

Total = 30 Marks

The nature of the End Semester Examination shall depend upon the course type:

- **Theory courses:** Written examination
- **Practical / Laboratory courses:** Practical examination, evaluation of records/portfolios and viva-voce.

### **Passing Criteria**

On successful completion of the course, the university examination shall be conducted as per the syllabus. Appointment of paper setter/moderators/examiners shall be made out of the panel approved by the vice chancellor. Examination of practical paper shall be conducted by two examiners (one external and one internal).

A student shall be eligible for the **Certificate in AI-Assisted Forensic Science** only after:

- successful completion of **Semester I + Semester II = 40 regular credits**, and
- successful completion of **AFS-SUMV-196 (4 credits)** in the summer term.

At the end of each semester which will be titled as Semester Grade Point Average (SGPA). At the end of the programme, which will be titled Cumulative Grade Point Average (CGPA). The grading system stated below shall be used at the time of preparation of the result of the candidates who appeared at the examination.

### Grading System

S. No.	Letter Grade	% Range	Numerical Letter Grade	Description1
1.	O	≥ 90 – 100	10	Outstanding
2.	A+	≥ 80 < 90	9	Excellent
3.	A	≥ 70 < 80	8	Very Good
4.	B+	≥ 60 < 70	7	Good
5.	B	≥ 55 < 60	6	Above Average
6.	C	≥ 50 < 55	5	Average
7.	P	≥ 45 < 50	4	Pass
8.	F	<45	0	Fail
9.	Ab	0	0	Absent

There shall be a Semester Grade Point Average (SGPA) for each semester based on the Grade obtained in that Semester. The SGP A for every Semester is calculated as:

$$SGPA = \frac{\sum_{i=1}^n m_i o_i}{\sum_{i=1}^n o_i}$$

n - number of courses in a said semester

m<sub>i</sub> - the numerical value of grade obtained in the said semester

o<sub>i</sub> - number of credits for the said semester

### AMENDMENTS

The University shall have the power to amend this Ordinance from time to time as per statutory requirements.

Matters not covered under these Regulations shall be governed by the relevant Ordinance(s) and Statutes of the University.

## **DISCIPLINE AND CONDUCT**

Students shall abide by the rules, discipline, and code of conduct of the University.

## **ADOPTION OF AI TOOLS AND ETHICS**

Use of AI tools shall comply with ethical guidelines, data privacy, and legal frameworks.

Misuse of digital or forensic tools shall attract disciplinary action.

## **ANNEXURES**

### **Annexure–I: L–T–P Definition**

<b>Component</b>	<b>Description</b>
<b>L (Lecture)</b>	Classroom teaching, concept explanation and discussions
<b>T (Tutorial)</b>	Interactive sessions, problem-solving and doubt clarification
<b>P (Practical)</b>	Laboratory work, hands-on exercises and demonstrations