लुम्बिनी प्राविधिक विश्वविद्यालय

LUMBINI TECHNOLOGICAL UNIVERSITY

Estd. 2022

Institute of Engineering and Information Technology

Nepalgunj, Banke, Lumbini Province

Academic Year 2024/25

Current Programs

- B.Tech. in CS & AI
- B.Tech. in IT

Upcoming Programs

- M.Tech. in IT
- MS by Research in AI
- M.Tech. in Urban Planning & Management
- B.Tech. in IT Engineering
- B.Tech. in Civil & Urban Engineering

Intake: 48 students per program (max. 24 in a classroom)

- Scholarships for Disadvantaged Groups | Merit-based Fee Subsidy and Stipends
- Quota for Women, Disadvantaged Groups, Sponsored and Foreign Students
- Fee categories: Nominal, Full Fee, Sponsored, and Foreign Students

About LTU

Lumbini Technological University (LTU) was established on July 2, 2022 (Ashar 18, 2079 BS) by the Act of Province Legislature with the goal of advancing higher education in the field of information technology, engineering, agricultural and forestry, and tourism, among others.

LTU is the first provincial-level university in Lumbini Province and is also one of the Pride Projects of the Province Government.

LTU particularly focuses on the application and development of technology and innovation because it understands the profound impact these fields have on society. As technology continues to evolve, traditional jobs are gradually being replaced by tech-oriented ones, creating a demand for skilled and adaptable professionals. By aligning its programs with the latest technological advancements, LTU ensures that its graduates are well-equipped to thrive in this dynamic landscape.

The university's mission is to provide comprehensive programs at undergraduate and graduate levels that produce graduates who have both disciplinary expertise and the ability to handle real-world problems by combining theoretical knowledge with practical application along with exposure visits to reputed technological institutions.

LTU recognizes that academic programs are not the only way to foster a rich learning experience. To this end, it also places a strong emphasis on research and continuous education programs by supporting and encouraging students and faculty to engage in rigorous research activities, thus fostering a culture of innovation and creativity that benefits both students and faculty alike.

"If we teach today as we taught yesterday, we rob our children of tomorrow."

– John Dewey

Course Structure of B. Tech in CS and AI

Semester I

- Mathematics I
- English Communication
- Physics of Computing
- Foundations of IT
- C Programming

Semester II

- Mathematics II
- Discrete Mathematics
- Operating System
- OOP in Java
- Digital Logic

Semester III

- Statistics
- Database Management System
- Web Technology
- Data Structure and Algorithms
- Microprocessor and Computer Architecture
- System Analysis and Design

Semester IV

- Research Methodology
- Python Programming
- Theory of Computation
- Numerical Method
- Software Engineering
- Project I
- UI/UX Design

Semester V

- Artificial Intelligence
- Design & Analysis and Algorithms
- Compiler Design
- Data Science
- Computer Graphics
- Data Communication and Computer Networks

Semester VI

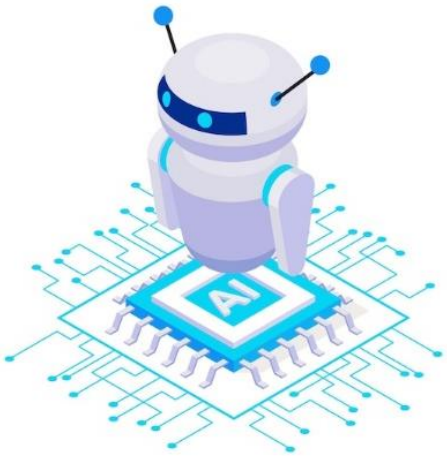
- Artificial Neural Networks
- Cloud Computing
- Cryptography & Network Security
- Image Processing
- Elective I

Semester VII

- IT Project Management
- Machine Learning
- Blockchain Technology
- Elective II
- Capstone Project

Semester VIII

- IT Entrepreneurship
- Natural Language Processing
- Internship



Course Structure of B. Tech in IT

Semester I

- Mathematics I
- English Communication
- Foundations of IT
- Digital Logic
- C Programming

Semester II

- Mathematics II
- OOP in Java
- Microprocessor & Computer Architecture
- UI/UX Design
- Operating System

Semester III

- Statistics
- Database Management System
- Data Communication and Networks
- Web Technology I
- Data Structure and Algorithm

Semester IV

- Research Methodology
- Python Programming
- Management Information System
- Web Technology II
- System Analysis and Design
- Project I

Semester V

- Artificial Intelligence
- Software Engineering
- E-Commerce
- Data Science
- Information Security
- DevOps

Semester VI

- Digital Governance
- Mobile Application Development
- Machine Learning
- Cyber Security & Ethical Hacking
- Elective I

Semester VII

- IT Project Management
- Embedded Systems & Internet of Things (IoT)
- Blockchain Technology
- Elective II
- Capstone Project

Semester VIII

- IT Entrepreneurship
- Data Warehouse & Data Mining
- Internship
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Eligibility Criteria for Admission for Current Programs

- **For B.Tech. In CS & AI:** Candidates must have passed Class 12 from NEB or equivalent with minimum C Grade / Second Division (Grade D in case of A-level) with Physics, Chemistry and Mathematics.
- **For B.Tech. in IT:** Candidates must have passed Class 12 from NEB or equivalent with minimum D+ Grade / Second Division (Grade D in case of A-level).
- Candidates must pass **LTU Entrance Test** for enrolment.
- Candidates who have passed all subjects of Class 11 and are waiting for the results of Class 12 are also eligible for the entrance examination; however, they must provide Class 12 passing certificate/marksheet during admission.

Tentative Fee (NPR) for Current Programs (Academic Year 2024/25)

Program	Nominal Fee	Full Fee/ Sponsored by LG	Sponsored Student	Foreign Student
B.Tech. in CS & AI	130,500	517,500	620,500	715,700
B.Tech. in IT	117,500	462,500	554,500	635,700

Note: Deposits should be paid separately.

Scholarships

Category	Percent of total no. of students admitted
Lumbini Province Chief Minister Scholarship (Full Scholarship for Disadvantaged Groups)	12.5%
Nominal Fee (25% of full fee)	25%
Merit Based Stipend (Semester-wise)	8.3%

Admission Opening Soon for 2024 Intake

Check LTU website or contact LTU office to get updates.