लुम्बिनी प्राविधिक विश्वविद्यालय

LUMBINI TECHNOLOGICAL UNIVERSITY

Estd. 2022

Institute of Engineering and Information Technology

Nepalgunj, Banke, Lumbini Province

Intake: 30 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 a public university funded and operated by Lumbini Province Government. LTU is one of the Pride Projects of the Lumbini 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.

Course Structure of M. Tech in CS

(63 Credits)

Semester I

- Design and Analysis of Algorithm
- Research Methodology
- Application Developing using Python and Framework
- Advance Operating System
- Computational Mathematics
- Seminar in Emerging Trends

Semester II

- Optimization Technique
- Statistics and Probability
- Software Project Management
- Data warehouse and data mining
- Elective I
- Project Development

Course Structure of M. Tech in IT (63 Credits)

Semester I

- Design and Analysis of Algorithm
- Research Methodology
- Application Developing using Python and Framework
- Advance Operating System
- Computational Mathematics
- Seminar in Emerging trends

Semester II

- Optimization Technique
- Statistics and Probability
- Software Project Management
- Data warehouse and data mining
- Elective I
- Project Development

Semester III

- Machine Learning
- Advance Compiler Design
- Elective II
- Elective III
- Elective IV

Semester IV

- Thesis

Semester III

- Machine Learning
- Mobile Application Development
- Elective II
- Elective III
- Elective IV

Semester V

- Thesis

Elective

Elective/Program	M.Tech. in CS	M.Tech. in IT
Elective I	Advance Computer Architecture / Advance Database Management System/Human Computer Interaction	Cloud Computing / Knowledge Management/ e-Governance
Elective II	Distributed and Parallel System/ Service Oriented Architecture/ Real Time Embedded System	Web Programming/ DevOps for Web Development
Elective III	Natural Language Processing/ Data Analytics/ Wireless Ad. Hoc Network	Data Analytics/ Human Computer Interactions/Information Security Audit
Elective IV	Digital Forensics/ Mobile Application development/ Information Security Audit	Linux Administration/Virtualization technique and application/ GIS and Remote Sensing

Eligibility Criteria for Admission for Current Programs

- **For M.Tech. in CS:** student must have earned a B. Tech. in Computer Science as their major, a B.Sc. in Computer Science, or Bachelor of Engineering in Computer, Electronics, and Communication and Electrical Engineering, or an equivalent degree approved by the institution.

- **For M.Tech. in IT:** student must have earned a B. Tech. in Computer Science as their major, a B.Sc. in Computer Science, or Bachelor of Engineering in Computer, Electronics, and Communication and Electrical Engineering, bachelor's degree in information technology, computer application, ICT education, information systems, or a student with a bachelor's degree in any academic program who has successfully completed a postgraduate program in computer application or IT or an equivalent degree approved by the institution.
- Candidates must pass **LTU Entrance Test** for enrollment.

Tentative Fee (NPR) for Current Programs (Academic Year 2025/26)

Fee Categories	M.Tech. in CS / IT
2 Years Tuition Fee	230,000
Deposit Fee	20,000

Note: Dissertation Defense Fee and Exam Fee should be paid separately.

Admission Open for 2025 Intake

Check LTU website or contact LTU office to get updates.

Application Submission Date: 2081/12/27 to 2082/01/25   NRs. 3000/-

Late Application Submission Date: 2082/01/26 to 2082/02/01   NRs. 4000/-

Note: Entrance exam date & time will be published later.

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

– John Dewey