Admission Criteria

Admission to the undergraduate (bachelor) program is competitive and limited by the number of seats available. Eligibility will be based on the student satisfying the following requirements.

a. Students aspiring for admission in BIT course must have passed mathematics as one of the subjects in +2 or equivalent examination. The mathematics paper must have carried a weightage of 100 marks.
b. Students aspiring for admission in BE-Computer Engineering course must have Passed + 2 science stream with Physics, Chemestry and Mathematics or Diploma in Engineering or an equivalent course from Higher Secondary Education Board recognized by Purbanchal University (PU) with minimum of 50% marks.
c. Aspiring students must pass the Entrance Examination conducted by Purbanchal University.

Scholarship Scheme

The Scholarship shall be awarded on the following basis:

1. 5% scholarship on the basis of merit of entrance examination conducted by Purbanchal University.
2. 5% Scholarship on the basis of reservation quota specified by Purbanchal University.

Facilities

- Computer Labs
  i. Unix Lab
  ii. Hash Lab
  iii. Mat Lab
  iv. Project Lab
- Communication Lab
- Electrical Lab
- Physics Lab
- Chemistry Lab
- Drawing Hall
- Workshop Lab
- Thermodynamics Lab
- Well equipped classrooms
- Resourceful Library
- Hygienic cafeteria
- Wi-Fi Zone
- Seminar and Auditorium Hall

Who are at NEF-CCN AITM?

Board of Directors

- **Prof. Dr. Sriram Bhagut Mathe**
  Former Dean, IOE, TU
  Chairperson
- **Mr. Umesh Shrestha,**
  Founder, LA College of Higher Studies
  Vice Chairperson
- **Mr. Pramod Pradhan**
- **Mr. Yadab Pradhan**
- **Mr. Gunaraj Niraula**

Academic Council

- **Prof. Dr. Ram Manohar Shrestha**
  Professor Emeritus, AIT, Bangkok
  Chairperson
- **Prof. Dr. Sudarshan Raj Tiwari**
  Former Dean, IOE, TU
  Co-Chairperson
- **Prof. Dr. Pramod Bahadur Shrestha**
- **Prof. Dr. Prem Nath Maskey**

IST Academic Committee

- **Dr. Madhav Narayan Shrestha**
  Coordinator, AIT UG Program
- **Mr. Pramod Pradhan**
  Director, AITM
- **Mr. Bhupa Das Rajbhandari**
  Executive Director
- **Mr. Rajeeb Kumar Singh**
  Head, Department of Biotechnology
- **Dr. Bal B. Parajuli**
  Head, Department of Civil Engineering
- **Mr. Gyani Ray**
  Head, Department of ICT

Future Opportunities

Our graduates have opportunities for internship and further education in different institutions.

Awards / Achievements

Sandeep Timilsena (**BIT**)-Batch 2001-2005. PU Topper (Gold Medalist)
Nirmal Limbu (**BIT**)-Batch 2007-2011 PU Topper (Gold Medalist)

Universities where Former Students have gone for Higher Studies

1. Indian Institute of Technology, India
2. Tokyo Institute of Technology, Japan
3. University of Technology, Australia
4. University of Tartu, U.K
5. University of Mexico USA

Ad Media/AITM-13

NEF-CCN

NEPAL EDUCATION FOUNDATION - CONSORTIUM OF COLLEGES, NEPAL

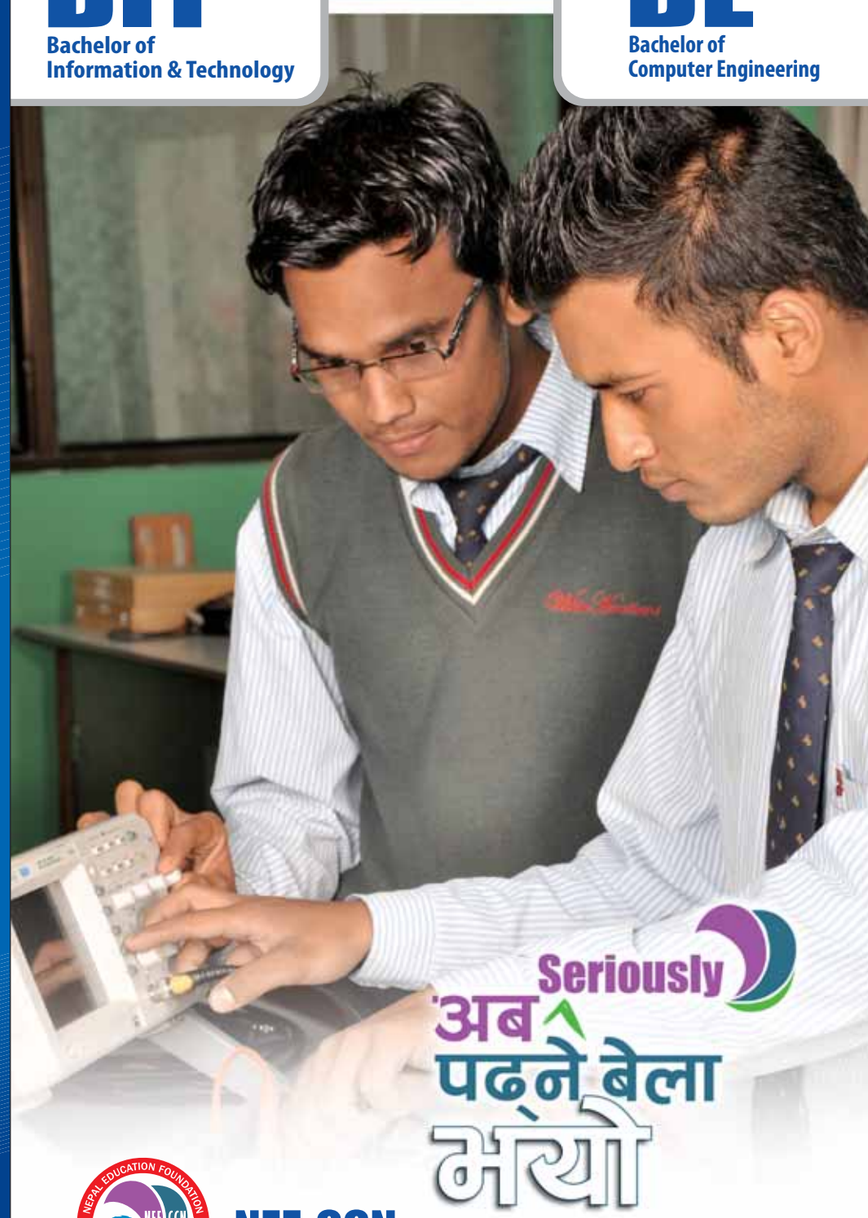
AITM
ASIAN INSTITUTE OF TECHNOLOGY & MANAGEMENT
Under the aegis of NEF - CCN

Contact: Knowledge Village, Khumaltar, Satdobato, Lalitpur, Nepal
Tel: **5548314, 5552375/76**, Email: info@aitm.edu.np,
Website: **www.aitm.edu.np**

For **Serious Education.** *For* **Secured Future.**

BIT
Bachelor of Information & Technology

BE
Bachelor of Computer Engineering



NEF-CCN

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These programs are currently offered under WhiteHouse Education Network (WHEN), which is being rebranded as Asian Institute of Technology & Management (AITM)

About AITM

Vision

To contribute to human resources development in the country by networking with other prestigious and reputable institutions within and outside the country so as to produce skilled and qualified graduates, with analytical skills, creative and innovative thinking, who are morally upright and socially responsible and are able to lead from the front by example.

Mission

To offer the students an educational environment that enhances their learning, enlightens their minds and mould their personalities in a caring environment so that they are thoughtful, critical, innovative and responsible global citizens, who will be leaders in whatever careers they choose.

Objective

AITM wishes to be a positive agent of change, within the country, regionally and internationally, by collaborating with reputed international institutions of Asia and beyond, and drawing upon their vast experiences and track record of operating in a multi-national and multi-cultural academic setting.

AITM will strive to become an international university by 2020. In offering the international programs in Nepal, the main aim will be to transform Nepalese institutions of higher education into outstanding seats of learning, equipped to foster high-quality education, scholarship and research, to produce enlightened citizens with strong moral and ethical values.

BIT
Bachelor of Information & Technology

BE
Bachelor of Computer Engineering

Available Seats:

BIT : 40 seats

BE - Computer Engineering : 40 seats

Programs Background

These programs aim to meet the growing demand for specialists in Computer Science, Networking, Telecommunications and Software Engineering. These programs emphasize on interdisciplinarity and instill the necessary foundations and skills in students for a career in today's fast-paced computing/IT or telecom industry.

BIT

Bachelor in Information Technology is a four-year program which comprises of 139 credit hours taught in eight semesters. This course provides considerable breadth and depth in computer science, communication technology as well as mathematics, business management, accounting and humanities. The program has a very strong practical focus. In addition, training on new emerging technologies relevant to the market needs are also given to students as non-credit courses.

Course Outline

FOUR YEARS BIT

Affiliated to ***Purbanchal University***

SEMESTER ONE
1 Mathematics-I
2. Fundamentals of Information System
3. Technical Communicative English
4. Basic Electrical System & Circuit
5. Principles of Management
6. Programming in C
7. Project-I

SEMESTER TWO
1. Mathematics-II
2. Electronic Devices and Circuit
3. Digital Logic
4. Object Oriented Programming in C++
5. Financial Management & Accounting
6. Project-II

SEMESTER THREE
1. Systems Analysis and Design
2. Numerical Methods
3. User Interface Design
4. Microprocessor & Assembly Language
5. Data Structures & Algorithm
6. Project-III

SEMESTER FOUR
1. Computer Architecture
2. Database Management Systems
3. Principle of Electronic Communication
4. Operating System
5. System Analysis & Design
6. Marketing Management
7. Project-IV

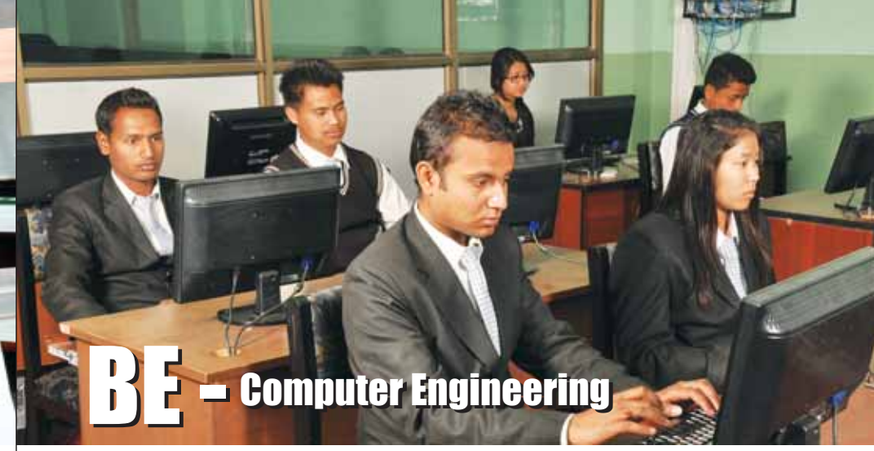
SEMESTER FIVE
1. Probability & Statistics
2. Data Communication
3. Society & Ethics in Information Technology and Research Methodology
4. Computer Graphics
5. Project-V

SEMESTER SIX
1. Computer Network & Telecommunication
2. Embedded System Programming
3. Data Mining & Data Warehousing
4. Management Information System
5. Web Technology & Programming
6. Project-VI

SEMESTER SEVEN
1. Network Programming
2. Software Engineering
3. Multimedia Systems & Communication
4. Distributed Processing
5. Artificial Intelligence
6. Elective-I*

SEMESTER EIGHT
1. Project Management
2. E-Commerce
3. Wireless Communication Systems
4. Elective-II*
5. Project-VII

Electives:
1. Geographical Information System
2. Computer Simulation & Modeling
3. Decision Support System
4. Image Processing & Pattern Recognition
5. Theory of Computation
6. Parallel Computing
7. System Administration
8. Object Oriented Relational Database Management System
9. Network Management
10. Compiler Design



BE – Computer Engineering

The Bachelor of Computer Engineering is a four-year program comprising of 142 credit hours taught in eight sememters which integrates the study of computer science and electronic engineering. The BE (Computer) program focuses in the hardware, software and theory towards the analysis, design and applications of computers and information techniques besides basic science, mathematics, economics and sociology.

Course Outline

FOUR YEARS BE - Computer Engineering

Affiliated to ***Purbanchal University***

SEMESTER ONE
1. Engineering Mathematics-I
2. Physics
3. Communicative English
4. Engineering Drawing
5. Elements and Services of Computer Technology
6. Workshop Technology
7. Computer programming

SEMESTER TWO
1. Engineering Mathematics
2. Object oriented Programming
3. Chemistry
4. Applied Mechanics
5. Electrical Engineering
6. Digital Logic

SEMESTER THREE
1. Engineering Mathematics-III
2. Information System Design
3. Data Structure & Algorithm
4. Computer Organization & Architecture
5. Project

SEMESTER FOUR
1. Microprocessor
2. Database Management Systems
3. Free and Open Source Programme
4. Discrete Mathematics
5. Communication System
6. Applied Sociology

SEMESTER FIVE
1. Numerical Methods
2. Algorithms Analysis and Design
3. Computer Graphics
4. Operating System
5. Research Methodology
6. Project

SEMESTER SIX
1. Project and Organizations Management
2. Theory of Computation
3. Multimedia Technology
4. Computer Network
5. Probability and Statistics
6. Engineering Economics

SEMESTER SEVEN
1. Entrepreneurship
2. Artificial Intelligence
3. Software Engineering
4. Simulation and Modeling
5. Project
6. Elective-I

SEMESTER EIGHT
1. Data Mining and Data Warehousing
2. Engineering Professional Practice
3. Cryptography
4. Advanced Computer Architecture
5. Elective-II
6. Project

Electives:
1. Complier Design
2. Mobile Computing
3. Visual Basic. Net, C##
4. Image Processing and Pattern Recognition
5. Distributed Processing
6. System Administration
7. Knowledge Management
8. Information Security
9. E-Government System
10. Multimedia System
11. Automatic Control System