Laboratories and Facilities
Besides the following full-fledged laboratories, which are in operation, more advanced laboratories are in the process of setting up:
- Soil Mechanics
- Concrete Materials
- Engineering Geology
- Transportation engineering
- Fluid Mechanics and Hydraulics
- Strength of Material
- Material Testing
- Water Supply and Sanitary Engineering
- Electrical, Electronics Lab
- Computer
- Mechanical Workshop
- Thermodynamics
- Physics
- Chemistry
- Drawing Rooms
- Surveying and Field work
- Excursion and field works as required by the courses

Library with enough books
Extra activities: sports, auditorium hall, clubs etc.

Financial Assistance and Scholarship
Scholarships are available for the deserving and financially poor and backward students.
1. PU Scholarship (in total enrolled students): Meet Scholarship for 5% students and Reserved Scholarship for 5% students on the basis of reservation criteria of PU.
2. DST/DOCE Scholarship: IST is determined to provide better opportunity and enhance the engineering skills as a social responsibility. It provides partial scholarships for the deserving and poor students. The scholarship is only for the first semester and criteria are scores in plus-two along with remoteness and financially needy.
3. Student should apply for the scholarship and financial assistance during the application.

Head of Department
Dr. Bal B. Parajuli, Water Environment and Development

Key Resource Persons
Prof. Dr. Prem Nath Maskey, (Structural Engineering)
Dr. Madhav Narayan Shrestha, (Water Resources)
Dr. Maya Prasad Bhatta, (Environment)
Dr. Vishnu Pandey, (Water Resources)

Who are at NEF-CCN AITM?

**Board of Directors**
- Prof. Dr. Srijam Bhagat Mathema
  Chairperson
- Mr. Umesh Shrestha
  Vice Chairperson
- Mr. Pramod Pradhan
  Member
- Mr. Gunaraj Niraula
  Member

**Academic Council**
- Prof. Dr. Ram Manohar Shrestha
  Chairperson
- Prof. Dr. Sudarshan Raj Tiwari
  Co-Chairperson
- Dr. Prahlad Bahadur Shrestha
  Member
- Prof. Dr. Prem Nath Maskey
  Member

IST Academic Committee
- Dr. Madhav Narayan Shrestha
  Coordinator, AITM UG Program
- Mr. Pramod Pradhan
  Director, AITM
- Mr. Bhupendra Raj Panjwani
  Executive Director
- Mr. Rajeek Karki Singh
  Head, Department of Biotechnology
- Dr. Bal B. Parajuli
  Head, Department of Civil Engineering
- Mr. Gyani Ray
  Head, Department of ICT
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.

BE - Bachelor of Civil Engineering

Introduction
Development of infrastructure is the backbone of nation building. Civil Engineering, a branch of engineering, plays a vital role to develop and maintain sustainable infrastructures which cover a wide range of specialized fields. For example, Flows, Irrigation, Hydropower, Buildings, Bridges, Water Supply etc. are in great demand within the country. These must be financially viable, socially acceptable and environmentally sustainable. Further, Civil Engineering imparts the skill and knowledge for optimum use of resources in safe and environment friendly way.

Department of Civil Engineering (DOCE) of Institute of Science and Technology/AITM offers a four years (eight semesters) course of Bachelor Degree in Civil Engineering (BE) under the affiliation of Purbanchal University of Nepal.

Main Objectives of the Course

- To produce competent and development oriented skilled civil engineers;
- To address the need and challenge of infrastructure development of Nepal;
- To enhance sustainable development in resource mobilization in the present environmental issues.

Eligibility for Admission

Plus 2 sciences (Physical group) with average 45% marks or Diploma in Engineering or equivalent recognized by Purbanchal University (PU), can apply through the college and candidate should be successful in the entrance exam conducted by PU.

Courses Outline

The curriculum of 149 credits provides a unique blend of practical and theoretical knowledge including various elective subjects and project works offered by the Department as follows:

1st Year / 1st Semester (19 Credit)
1. BEGI051H Mathematics I
2. BEGI560C Applied Mechanics I (Static)
3. BEGI46ME Engineering Drawing I
4. BEGI48MH Workshop Technology
5. BEGI045H Chemistry
6. BEGI46ME Engineering Drawing I
7. BEGI48MH Workshop Technology
8. BEGI74CD Computer Concept and Programming
9. BEGI195C Construction Materials
10. BEGI195C Construction Materials

1st Year / 2nd Semester (19 Credit)
1. BEGI052H Mathematics II (BEGI57CH Applied Mechanics II (Dynamics))
2. BEGI053H Physics
3. BEGI47ME Engineering Drawing II
4. BEGI055H Communication English
5. BEGI48MH Fundamentals of Thermodynamics and Heat
6. BEGI155C Building Construction

2nd Year/1st Semester (18 Credit)
1. BEGI053H Mathematics III
2. BEGI266C Strength of Materials
3. BEGI216E Electric Circuit and Machines
4. BEGI298C Survey I
5. BEGI261C Fluid Mechanics
6. BEGI252C Engineering Geology

2nd Year / 2nd Semester (19 Credit)
1. BEGI205H Probability and Statistics
2. BEGI275C Theory of Structures II
3. BEGI296M Research Methodology
4. BEGI260C Hydraulic
5. BEGI298C Engineering Hydrology
6. BEGI259C Survey - II
7. BEGI124R Fundamental of Architecture

Evaluation System

Student requires scoring minimum 40% in internal and board examination in general; and a minimum 2.00 CGPA requires in 4.00 for graduation in BE (Civil Engineering).

Academic

A team of highly qualified and experienced faculty members are fully committed to develop the capacity and skills of students. Well facilitated laboratories, class rooms including multimedia based lectures and library are available. More practical and demand driven elective subjects, guest lectures in contemporary issues of subjects and project works are offered during the course which will make students confident in their field. In addition, college has extra activities facility which student enjoys in their free time.