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Pioneer Institution in quality engineering education since 2001 A.D.

B.E CIVIL

Everest Engineering College

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Introduction

Everest Engineering College (EEC), founded in 2001 A.D, is a leading institution in the Nepal that provides engineering education in affiliation with Pokhara University. Our mission is to create state-of-the-art academic atmosphere for innovative engineering professionals along with strong emphasis on values, integrity, and research-oriented activities. Through our student-centered teaching pedagogy and supportive learning environments. We foster the growth of our students, enabling them to attain their career objectives and excel in higher education and professional domains.

Why **EEC ?**

- Highly conducive and peaceful learning atmosphere.
- Student-centered and project-based teaching methodology that ensures effective learning.
- We offer project fellowship funding for the selected projects under research and project management cells.
- With exposure in National & International arena through conferences, workshops, field visits and educational excursion.
- Offer a wide range of elective subjects to develop robust knowledge in the field of your interest.
- Emphasis on practical and project works that can lead to publication.
- Extensive library resources with more than 20,000 textbooks and reference books, with hundreds of research journals access.
- Dedicated and experienced faculty with varying interest in research.
- Industry-oriented approach and provide internship opportunities.
- Holistic personality development opportunities.

BE-Civil

Bachelor of Civil Engineering

The Bachelor of Civil Engineering (BE-CIVIL) is a four-year, eight-semester undergraduate program designed to equip students with the knowledge and skills needed to excel in the construction and infrastructure industries. As society continues to grow and urbanize, the demand for well-trained civil engineers remains high, making this degree both valuable and versatile. Graduates of this program are prepared to take on the challenges of designing, constructing, and maintaining the infrastructure that forms the backbone of modern society.

Program Overview

Civil Engineering graduates possess skills in structural design, construction management, geotechnical engineering, and environmental engineering. Throughout their studies, students will delve into key areas such as materials science, fluid mechanics, transportation engineering, and sustainable design. This comprehensive curriculum prepares graduates to tackle complex engineering challenges and adapt to emerging technologies and methodologies in the field.

Course Structure of

Bachelor of Civil Engineering

The recently updated curriculum in Civil Engineering offers a wide range of elective courses in 3rd and 4th year, leading to diverse career fields focusing on design, construction and maintenance of mega structures.

Semester I

- Calculus - I
- Applied Chemistry
- Engineering Drawing
- Computer Programming
- Applied Physics
- Communication Techniques

Semester II

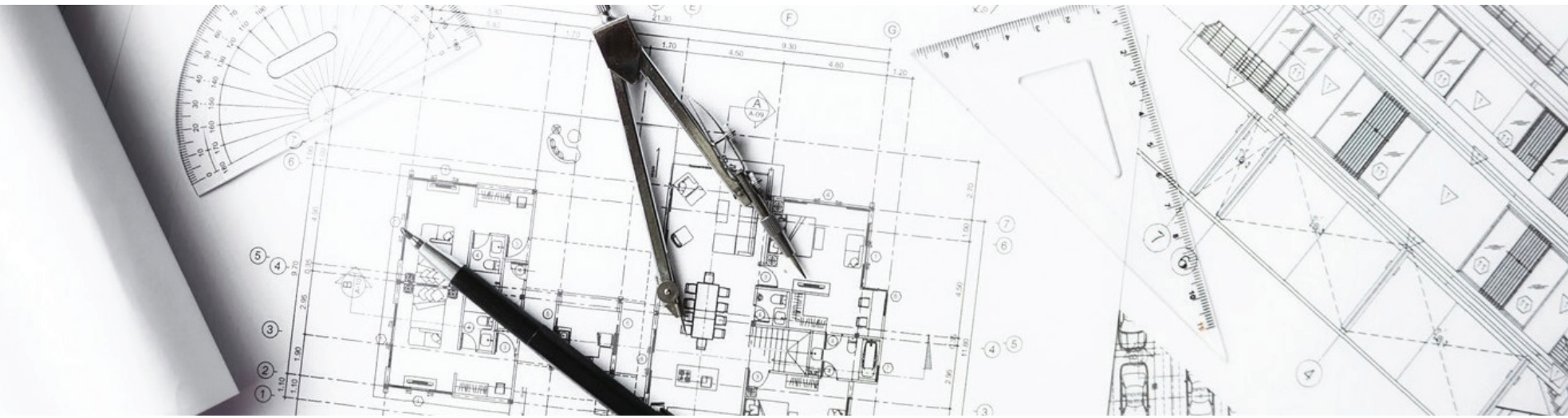
- Algebra and Geometry
- Applied Mechanics
- Civil Engineering Materials
- Engineering Geology
- Basic Electrical and Electronics Engineering
- Introduction to Energy Engineering
- Civil Engineering Workshop

Semester III

- Calculus - II
- Numerical Methods
- Fluid Mechanics
- Strength of Materials
- Surveying I
- Building Technology

Semester IV

- Probability and Statistics
- Hydraulics
- Structural Analysis I
- Surveying II
- Soil Mechanics
- Engineering Economics



Semester V

- Engineering Hydrology
- Structural Analysis II
- Foundation Engineering
- Water Supply Engineering
- Estimating and Valuation
- Transportation Engineering I

Semester VI

- Irrigation and Drainage Engineering
- Sanitary Engineering
- Concrete Technology and Masonry Structure
- Transportation Engineering II
- Design of Steel and Timber Structure
- Elective I
- Civil Engineering Project I
- Survey Field Project

Semester VII

- Hydropower Engineering
- Design of R.C.C. Structure
- Engineering Professional Practice
- Construction Project Management
- Elective II
- Civil Engineering Project II

Semester VIII

- Elective III
- Internship

Skills Development

Students in the Civil Engineering program will develop a robust skill set that includes:

- Proficiency in engineering design software (e.g., AutoCAD, Revit).
- Understanding of structural analysis and design principles.
- Knowledge of construction materials and methods.
- Expertise in project management and construction planning.
- Familiarity with geotechnical and environmental engineering practices.
- Strong analytical and problem-solving abilities.
- Effective communication and teamwork skills.

Industries and Opportunities

Civil engineers can find rewarding opportunities in diverse sectors, including:

- **Construction Companies:** Engaging in residential, commercial, and industrial construction projects.
- **Government Agencies:** Contributing to public infrastructure projects such as roads, bridges, and public buildings.
- **Environmental Consulting Firms:** Providing expertise on environmental impact assessments and sustainable design.
- **Real Estate Development:** Planning and developing new housing and commercial properties.
- **Transportation Authorities:** Designing and managing transportation infrastructure projects.
- **Water and Waste Management Companies:** Developing and maintaining water supply and wastewater treatment systems.

Career Prospects

With the continuous expansion of urban areas and the need for infrastructure development, civil engineering graduates are in high demand across numerous sectors. Graduates can pursue various career paths, leveraging their expertise in construction and infrastructure projects.

Potential career roles include:

- **Structural Engineer:** Designing and analyzing structures such as buildings, bridges, and tunnels to ensure their safety and stability.
- **Construction Manager:** Overseeing construction projects from inception to completion, ensuring they are completed on time and within budget.
- **Geotechnical Engineer:** Investigating and analyzing soil and rock properties to inform foundation design and construction.
- **Transportation Engineer:** Planning and designing transportation systems, including roads, highways, and public transit.
- **Environmental Engineer:** Developing solutions to environmental challenges, such as waste management and pollution control.
- **Urban Planner:** Designing and managing urban development projects to create sustainable and livable communities.
- **Water Resources Engineer:** Managing water supply and drainage systems to ensure adequate and safe water for communities.

Scholarship

- NEPAL GOVERNMENT SCHOLARSHIP: EEC Provides full scholarship to 10% students under the rules of Pokhara University. Scholarship awardee will get full waiver on admission, tuition & Semester fees.
- EEC-LMC SCHOLARSHIP: This scholarship is provided to the residents of Lalitpur Metropolitan City(LMC) in collaboration with the education department of LMC. The scholarship is awarded on a competitive basis based on entrance examinations conducted by the college.
- OUTSTANDING SCHOLARSHIP: EEC provides a full semester fee scholarship for the University topper (SGPA 4.0) for the next one semester. This Scholarship is awarded to all students securing SGPA 4.0 in all programs.
- CLASS TOPPER SCHOLARSHIP: EEC provides 100% tuition fee scholarship for the program topper for next one semester.
- ADMISSION SCHOLARSHIP: The scholarships is awarded to the meritorious students based on their Secondary Level 12th grade GPA or equivalent and entrance exam conducted by EEC followed by an interview.

Admission Eligibility

Applicants seeking admission in different engineering programs are required to pass high school(12th grade in Science Stream) with at least 45% marks in Diploma, A-level or equivalent degrees recognized by Pokhara University with minimum "C" grade in Physics, Chemistry and Mathematics (Aggregate of theory and practical) in Physical or Biological group.

Admission Process:

- Candidates meeting eligibility criteria can apply for admission physically or online.
- All applicants are required to attend the entrance examination conducted at college based on the standard set by Pokhara University and UGC Nepal.
- Successful candidates are eligible for admission in the programs at college.

Our Programs

B.E
- CIVIL
- COMPUTER
- IT- INFORMATION TECHNOLOGY
- SOFTWARE

M.E
- COMPUTER

Laboratories

Our state-of-the-art civil engineering laboratories are meticulously designed to support a wide array of academic and research activities. Equipped with modern instruments and facilities. We facilitate both students and faculty members to utilize the labs for their educational and research needs. Our well-equipped structural lab, materials testing lab, geotechnical lab and hydropower lab offer comprehensive practical exposure. Each lab is outfitted with the latest equipment to conduct experiments and research in various domains of civil engineering.

Library

- Everest Engineering College Library offers an abundance of textbooks, reference books, physical and online journals providing students with ample resources for their academic needs.
- Each student receives a full set of text books for the current semester, with additional references for borrowing, allowing for both home study and library use.
- The library provides a serene learning environment and offers a digital resources center with computers, internet, and journals, catering to both individual and group study sessions.
- The library opens between 7 A.M to 5 P.M on office days.

Aarohan

National level project showcase and competition

Aarohan is a premier national level inter college project display and competition. It provides a vibrant platform for creative engineers to demonstrate their skills and unique concepts. The event includes a variety of activities such as software and hardware competitions, technical quizzes, hackathons, rapid coding challenges, civil model displays and e-gaming tournaments. Aarohan encourages creativity, collaboration, and innovation by giving participants the opportunity to showcase their abilities and compete at a high level.

Sports

EC organizes different sport activities to foster team work, enhance physical and mental wellbeing, and learn valuable lessons from winning and losing. The college provides facilities for basketball, table tennis, volleyball, and organizes off-campus football and cricket matches.

Recent **ACITIVITIES**

- Abstracts/Extended abstracts/ Paper presentation at International Conference on applied science and engineering in challenging world.
- Paper presentation at International conference on technologies for Computer, Electrical, electronics and Communication (ICT-CEEL 2023)
- Aarohan 2.0 - A national level technical showcase Competition
- Photography and Videography Workshop: Conducted by Mr. Prashant Adhikari & Mr. Deepak Raj Bhatta
- Talk Series on Energy and Tunnel Catalysts for Nepal's Growth: Speaker: Er. Shri Ram Neupane (Project Director, Nagdhunga Tunnel Construction Project)
- Interaction between Industry & Academia: Conducted by Intuji (Australia-based IT company)
- MoU Signing between Skill Lab and Everest Engineering College
- Talk Series on Current Issues in Supervision and Quality Control in Road Works: Speaker: Er. Baburam Paudyal (Program and Quality Control Management Expert)
- Panel Discussion on Building an AI Ecosystem in Nepal
- Talk Series on Prospects of Civil Engineers in Consulting Industry/Business: Speaker: Er. Thakur Prasad Sharma (President, SCAEF, Nepal)
- Workshop on Spotlight on Effective Teaching Learning Strategies
- Orientation Program by F1Soft for Internship and Job Placement
- Talk on HCI Horizons: Speaker: Ankur Sharma (HCI Practitioner)
- Student Partnership Program: Organized by Hamrobazzar
- AIT SET Open House Session: Speaker: Professor Dr. Sangam Shrestha
- MoU Signing Ceremony with IMAC Engineering Co. Ltd, Japan

How to contact EEC?

Address: Lalitpur-02, Sanepa, 500m from ring road.

Phone numbers: 01-5420742, 9847339026, 9847339027, 9847339028.

Email: admin@eemc.edu.np

Feel free to reach out to EEC through any of the provided phone numbers or via email for any inquiries or further assistance.