nec

A BRAND OF QUALITY
ENGINEERING EDUCATION SINCE 1994

31 Years of Excellence

Bachelor Programs

Civil | Architecture | Computer| Information & Communication | Civil for Diploma Holders | Electrical & Electronics | Civil & Rural

Master Programs

CM|NRM|iWRM|TEAM

PROSPECTUS 2025

Nepal Engineering College

(Affiliated to Pokhara University)

Self Financed Not-for-Profit Social Academic Institute

(D.A.O. Bhaktapur, Regd. No. 552/2060)

Changunarayan Municipality-4,
Bhaktapur
GPO Box 10210, Kathmandu, Nepal
Ph: 01- 5221006, 5221012
Email: info@nec.edu.np
Website: www.nec.edu.np

the Founders

1. Late Prof. Dr. Deepak Bhattarai
2. Mr. Hari Prasad Pandey
3. Dr. Ram Ratna Upadhyay
4. Er. Lava Raj Bhattarai
5. Dr. Upendra Gautam
6. Mr. Lambodar Neupane
7. Late Mr. Surya Bahadur K.C.

College Board of Directors

Mr. Jeevan Khatri
Chairperson
(Mayor, Changunarayan Municipality)

Mr. Chiranjeebi Bhandari
Member
Deputy. C.D.O., Bhaktapur

Member
Pokhara University

Prof. Sabitri Kumari Tripathi (Pandey)
Member
Teachers' Representative

Mr. Som Prasad Pradhan
Member

Mr. Dinesh Khanal
Member

Mr. Naresh Khadka
Member

Mr. Santosh K.C.
Member

Assoc. Prof. Durgaprasad Bhandari
Member Secretary, *Principal*

Message from the
CHAIRPERSON

Changunarayan Municipality welcomes all the freshers of Nepal Engineering College (***nec***). We are immensely proud to have one of the finest engineering colleges of the country in our municipality. This college has lots of contribution towards the upliftment of academic and social standard of this municipality and along with that towards the overall development of the nation. Over the period of 31 years of providing its services Nepal Engineering College has produced thousands of highly qualified technical human resources who are providing their services not just in Nepal but also in various foreign countries.

The college has been helping the meritorious and needy students to pursue their dreams of becoming an engineer through various scholarships and financial assistance programs. Changunarayan Municipality considers this college as one of the valuable gem of this municipality and vows to assist the college in its dream of providing quality education and producing highly qualified human resources in terms of financial assistance for development of infrastructures or through scholarships.

The municipality is also working towards the facility of providing student loan schemes to help the student in terms of their financial need to pursue their dreams of being highly skilled personnel. I am highly confident that students who chose this college for their academic journey will find the overall academic experience in this college highly rewarding for their professional career.

Mr. Jeevan Khatri
Chairperson, *nec*

Message from the
PRINCIPAL

It was a grand vision & mission of our beloved founder member and Principal Late Prof. Dr. Deepak Bhattrai and other six prominent founders, to provide opportunities of technical education in Nepal to the students of our country. Since its establishment in 1994 the institute has taken giant strides and reached today's position. It is a matter of great pride that our Institute has been bestowed with a permanent affiliation status by the Nepal Engineering Council for all the eligible Engineering courses being run in ***nec***. This became possible due to the sustained support and encouragement provided by our founders, also the hard work done by the teachers' staff and the blessings from all our stakeholders, parents/guardians and alumni.

Known for quality education, discipline, eco-friendly campus, concern for society and environment, ***nec*** has carved a niche for itself in the field of technical education in Nepal. With a proud legacy of 31 years, the institute has excelled in every field. The students who graduated from this institute are occupying prestigious positions in the organizations of national and international repute.

Our aim is to transform the students into rational thinkers, problem solver, competent technocrats and managers, law abiding citizens and spiritually enlightened individuals and also to inculcate social and moral values, sportsmanship, compassion for nature, pride for our culture and traditions. This is our firm belief that the rich values and traditions imbibed here would carry our students to greater heights.

We believe that in this era of knowledge society, our students must be equipped with an appropriate knowledge, habits, attitudes and morals leading to holistic development. The students must participate in the co-curricular and extracurricular activities to facilitate the process of creative and critical thinking. I earnestly believe that our institute provides ample opportunities for developing and shaping the personalities of the students.

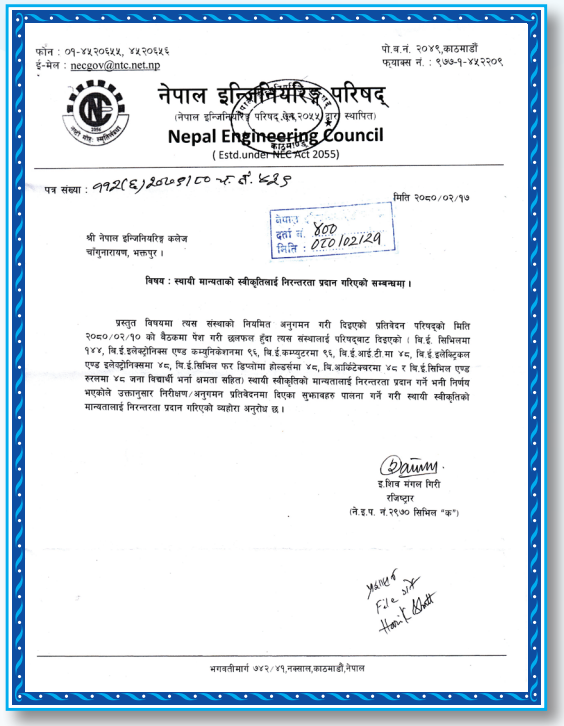
Ready to cheer you at ***nec*** !!!

With warm regards,

Assoc. Prof. Durgaprasad Bhandari
Principal

LET'S KNOW *nec*

nec was established in 1994 as a self-funded, not-for-profit social academic institute by a group of visionary Nepalese eminent professionals, academicians, managers and industrialists who realized the need of an institution serving the higher educational needs in engineering, technology and management reaching out to a wider section of Nepalese youths and making quality education accessible and affordable. Their aim was to produce technically competent engineering graduates ready to contribute in the accelerated social and economic growth of the country. This pioneering example set by ***nec*** led to the establishment of several engineering colleges in the country in the later years. ***nec*** is committed to retaining its long earned reputation as 'an institution with concerns for quality education and academic freedom', again an example set by it for others to follow.



फोन : ०१-४५२०६४५, ४५२०६५६
ई-मेल : necgov@ntc.net.np

पो.ब.नं. २०४९,काठमाडौं
फ्याक्स नं. : ९७७-१-४५२२०९

नेपाल इन्जिनियरिङ्ग परिषद्
(नेपाल इन्जिनियरिङ्ग परिषद् ऐन,२०४५ द्वारा स्थापित)
Nepal Engineering Council
(Estd.under NEC Act 2055)

पत्र संख्या : ०७२(६)२०७१/८० च.नं. ६२९ मिति २०८०/०२/१७

श्री नेपाल इन्जिनियरिङ कलेज
चाँगुनारायण, भक्तपुर ।

दस्तुर रु. 800
मिति : 2080/02/29

विषय : स्थायी मान्यताको स्वीकृतिलाई निरन्तरता प्रदान गरिएको सम्बन्धमा ।

प्रस्तुत विषयमा त्यस संस्थाको नियमित अनुगमन गरी दिइएको प्रतिवेदन परिषद्को मिति २०८०/०२/१० को बैठकमा पेश गरी छलफल हुँदा त्यस संस्थालाई परिषद्बाट दिइएको । वि.ई. सिभिलमा १४४, वि.ई.इलेक्ट्रोनिक्स एण्ड कम्युनिकेशनमा ९६, वि.ई.कम्प्युटरमा ९६, वि.ई.आई.टी.मा ४८, वि.ई.इलेक्ट्रिकल एण्ड इलेक्ट्रोनिक्समा ४८, वि.ई.सिभिल फर डिप्लोमा होल्डर्समा ४८, वि.आर्किटेक्चरमा ४८ र वि.ई.सिभिल एण्ड रुरलमा ४८ जना विद्यार्थी भर्ना क्षमता सहित) स्थायी स्वीकृतिको मान्यतालाई निरन्तरता प्रदान गर्ने भनी निर्णय भएकोले उक्तानुसार निरीक्षण/अनुगमन प्रतिवेदनमा दिएका सुझावहरु पालना गर्ने गरी स्थायी स्वीकृतिको मान्यतालाई निरन्तरता प्रदान गरिएको व्यहोरा अनुरोध छ ।

इ.शिव मंगल गिरी
रजिष्ट्रार
(ने.इ.प. नं.२९७० सिभिल "क")

भगवतीमार्ग ७४२/४९,नक्साल,काठमाडौं,नेपाल

Since its establishment, ***nec*** is engaged in designing, upgrading and standardizing academic curriculum and its delivery at Bachelor and Masters level courses in engineering, technology and allied disciplines. ***nec*** intends to continue with this initiative, offering more innovative and applied courses in the established and emerging areas in the days to come. In doing so ***nec*** has succeeded in establishing a "brand" of its own.

Initiated with limited physical and instructional resources, ***nec*** has now grown into an institution with its learning resources comparable to any institution of repute in the country and the region. The physical infrastructure and instructional resources, built on 210 ropanies (10.69 ha) of land at the lap of Changunarayan in Bhaktapur, a UNESCO world heritage site, right beside the Manohara river bank provide an ideal ambience of learning.

Currently, ***nec*** offers Bachelor level courses in Civil Engineering, Electronics and Communication Engineering, Computer Engineering, Electrical and Electronics Engineering, Civil and Rural Engineering and Civil Engineering for Diploma Holders leading to BE (Bachelor of Engineering) degree, Bachelor level course in Architecture leading to B. Arch (Bachelor of Architecture) degree, and postgraduate courses leading to Master of Science (M.Sc.) degree in Construction Management (CM), Natural Resources Management (NRM), Interdisciplinary Water Resources Management (iWRM) and Transportation Engineering and Management (TEAM). The BE Civil for Diploma Holders course is organized at ***nec***-BDH in Lalitpur and all the Postgraduate courses are organized at ***nec***-Center for Postgraduate Studies (***nec***-CPS) also located in Lalitpur.

nec Premises

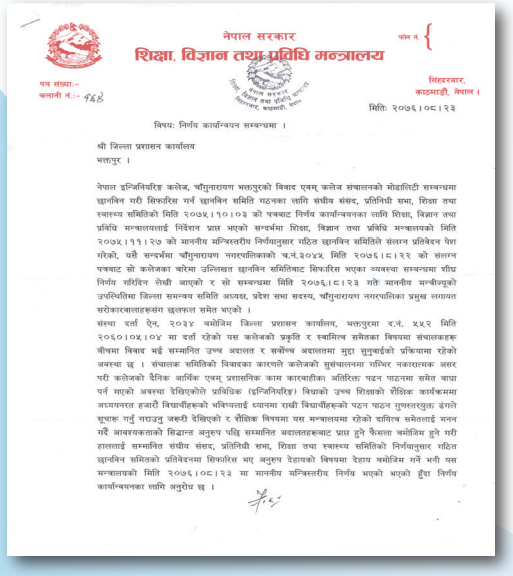
www.nec.edu.np

Vision and Mission of *nec*

The **vision of *nec*** is to **evolve** as the **center of higher learning, excelling in academics,** through continued engagements in education, **research and outreach** as **three integrated functions** of the college.

In approaching the stated vision, the mission of *nec* includes:

- Providing the youth with the best opportunities and environment of learning to help them attain high level of academic standard, scientific temper, technical and professional competence and life-skills.
- Train and develop youth as total person, ready to serve the society and people to transmit the cultural heritage and improve their quality of life.
- Inculcate the values to appreciate the need for ethical standards in personal, social and public life, to become leaders, to be a voice to influence the society and the nation, and to uphold just social order.



नेपाल सरकार
शिक्षा, विज्ञान तथा प्रविधि मन्त्रालय

पत्र संख्या:-
चलानी नं.:-

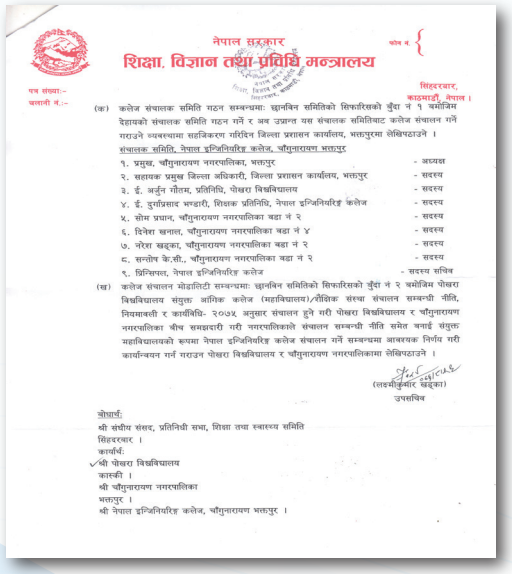
सिंहदरबार,
काठमाडौं, नेपाल ।
मितिः २०७६।०८।२३

विषयः निर्णय कार्यान्वयन सम्बन्धमा ।

श्री जिल्ला प्रशासन कार्यालय
भक्तपुर ।

नेपाल इन्जिनियरिङ कलेज, चाँगुनारायण भक्तपुरको विवाद एवम् कलेज संचालनको मोडालिटी सम्बन्धमा छानविन गरी सिफारिस गर्न छानविन समिति गठनका लागि संघीय संसद, प्रतिनिधी सभा, शिक्षा तथा स्वास्थ्य समितिको मिति २०७४।१०।०२ को पत्रबाट निर्णय कार्यान्वयनका लागि शिक्षा, विज्ञान तथा प्रविधि मन्त्रालयलाई निर्देशन प्राप्त भएको सन्दर्भमा शिक्षा, विज्ञान तथा प्रविधि मन्त्रालयको मिति २०७४।११।२७ को माननीय मन्त्रिस्तरीय निर्णयानुसार गठित छानविन समितिले संलग्न प्रतिवेदन पेश गरेको, यसै सन्दर्भमा चाँगुनारायण नगरपालिकाको च.नं.२०४४ मिति २०७६।८।२२ को संलग्न पत्रबाट सो कलेजका बारेमा उल्लिखत छानविन समितिबाट सिफारिस भएका व्यवस्था सम्बन्धमा शीघ्र निर्णय गरिदिन लेखी आएको र सो सम्बन्धमा मिति २०७६।८।२३ गते माननीय मन्त्रीज्यूको उपस्थितिमा जिल्ला समन्वय समिति अध्यक्ष, प्रदेश सभा सदस्य, चाँगुनारायण नगरपालिका प्रमुख लगायत सरोकारवालाहरुसंग छलफल समेत भएको ।

संस्था दर्ता ऐन, २०३४ बमोजिम जिल्ला प्रशासन कार्यालय, भक्तपुरमा द.नं. ५५२ मिति २०६०।०५।०४ मा दर्ता रहेको यस कलेजको प्रकृति र स्वामित्व समेतका विषयमा संचालकहरू बीचमा विवाद भई सम्मानित उच्च अदालत र सर्वोच्च अदालतमा मुद्दा सुनुवाईको प्रक्रियामा रहेको अवस्था छ । संचालक समितिको विवादका कारणले कलेजको सुसंचालनमा गम्भिर नकारात्मक असर परी कलेजको दैनिक आर्थिक एवम् प्रशासनिक काम कारवाहीका अतिरिक्त पढन पाठनमा समेत बाधा पर्न गएको अवस्था देखिएकोले प्राविधिक (इन्जिनियरिङ) विधाको उच्च शिक्षाको रौंसिक कार्यक्रममा अध्ययनरत हजारौं विद्यार्थीहरुको भविष्यलाई ध्यानमा राखी विद्यार्थीहरुको पठन पाठन गुणस्तरयुक्त ढंगले सुचारु गर्नु गराउनु जरुरी देखिएको र रौंसिक विषयमा यस मन्त्रालयमा रहेको दायित्व समेतलाई मनन गर्दै आवश्यकताको सिद्धान्त अनुरुप पछि सम्मानित अदालतहरूबाट प्राप्त हुने फैसला बमोजिम हुने गरी हाललाई सम्मानित संघीय संसद, प्रतिनिधी सभा, शिक्षा तथा स्वास्थ्य समितिको निर्णयानुसार गठित छानविन समितिको प्रतिवेदनमा सिफारिस भए अनुरुप देहायको विषयमा देहाय बमोजिम गर्ने भनी यस मन्त्रालयको मिति २०७६।०८।२३ मा माननीय मन्त्रिस्तरीय निर्णय भएको भएको हुँदा निर्णय कार्यान्वयनका लागि अनुरोध छ ।



नेपाल सरकार
शिक्षा, विज्ञान तथा प्रविधि मन्त्रालय

पत्र संख्या:-
चलानी नं.:-

सिंहदरबार,
काठमाडौं, नेपाल ।

(क) कलेज संचालक समिति गठन सम्बन्धमा: छानविन समितिको सिफारिसको बुँदा नं १ बमोजिम देहायको संचालक समिति गठन गर्ने र अब उप्रान्त यस संचालक समितिबाट कलेज संचालन गर्ने गराउने व्यवस्थामा सहजिकरण गरिदिन जिल्ला प्रशासन कार्यालय, भक्तपुरमा लेखिपठाउने ।

संचालक समिति, नेपाल इन्जिनियरिङ कलेज, चाँगुनारायण भक्तपुर

१. प्रमुख, चाँगुनारायण नगरपालिका, भक्तपुर	- अध्यक्ष
२. सहायक प्रमुख जिल्ला अधिकारी, जिल्ला प्रशासन कार्यालय, भक्तपुर	- सदस्य
३. ई. अर्जुन गौतम, प्रतिनिधि, पोखरा विश्वविद्यालय	- सदस्य
४. ई. दुर्गाप्रसाद भण्डारी, शिक्षक प्रतिनिधि, नेपाल इन्जिनियरिङ कलेज	- सदस्य
५. सोम प्रधान, चाँगुनारायण नगरपालिका वडा नं २	- सदस्य
६. दिनेश खनाल, चाँगुनारायण नगरपालिका वडा नं ४	- सदस्य
७. नरेश खड्का, चाँगुनारायण नगरपालिका वडा नं २	- सदस्य
८. सन्तोष के.सी., चाँगुनारायण नगरपालिका वडा नं २	- सदस्य
९. प्रिन्सिपल, नेपाल इन्जिनियरिङ कलेज	- सदस्य सचिव

(ख) कलेज संचालन मोडालिटी सम्बन्धमा: छानविन समितिको सिफारिसको बुँदा नं २ बमोजिम पोखरा विश्वविद्यालय संलुग्न आंगिक कलेज (महाविद्यालय)/रौंसिक संस्था संचालन सम्बन्धी नीति, नियमावली र कार्यविधि- २०७४ अनुसार संचालन हुने गरी पोखरा विश्वविद्यालय र चाँगुनारायण नगरपालिका बीच समझदारी गरी नगरपालिकाले संचालन सम्बन्धी नीति समेत बनाई संलुग्न महाविद्यालयको रूपमा नेपाल इन्जिनियरिङ कलेज संचालन गर्ने सम्बन्धमा आवश्यक निर्णय गरी कार्यान्वयन गर्न गराउन पोखरा विश्वविद्यालय र चाँगुनारायण नगरपालिकामा लेखिपठाउने ।

(लक्ष्मीकुमार खड्का)
उपसचिव

बोधार्थ:
श्री संघीय संसद, प्रतिनिधी सभा, शिक्षा तथा स्वास्थ्य समिति
सिंहदरबार ।
कार्यार्थ:
श्री पोखरा विश्वविद्यालय
कास्की ।
श्री चाँगुनारायण नगरपालिका
भक्तपुर ।
श्री नेपाल इन्जिनियरिङ कलेज, चाँगुनारायण भक्तपुर ।

Prof. Sabitri Tripathi attended workshop of Brown Gold project with the project team members, UK, 2025

nec Faculty in UPCT, Spain

nec-B+ NeSDG team members with Project Coordinator Prof. Ruth Herrero from UPCT, Spain

International Collaboration

EUROPEAN UNIVERSITY OF TECHNOLOGY

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

Imperial College London

IDRC · CRDI
International Development Research Centre
Centre de recherches pour le développement international
Canada

ISTE

ISTE-*nec* Chapter

MICHIGAN STATE UNIVERSITY

Universidad Politécnica de Cartagena

1862
RĪGAS TEHNISKĀ UNIVERSITĀTE

IMAC Technology & Humanity
IMAC ENGINEERING CO.,LTD.

高知大学
Kochi University

GLOBAL SANITATION GRADUATE SCHOOL

AISSMS IOIT

EHIME

BALL STATE UNIVERSITY

WISA
Water Institute of Southern Africa

SaciWATERs
SOUTH ASIA CONSORTIUM FOR INTERDISCIPLINARY WATER RESOURCES STUDIES

Erasmus+
Enriching lives, opening minds.

swisscontact

INDIAN INSTITUTE OF TECHNOLOGY MADRAS
सिद्धिर्भवति कर्मजा

OLLSCOIL TEICNEOLAÍOCHTA BHAILE ÁTHA CLIATH
TU DUBLIN
TECHNOLOGICAL UNIVERSITY DUBLIN

Griffith UNIVERSITY

Preston University
UNIVERSITAS LITTERA SANCTUS

h_da
HOCHSCHULE DARMSTADT
UNIVERSITY OF APPLIED SCIENCES

TECHNICAL UNIVERSITY SOFIA

utt
université de technologie Troyes

TECHNICAL UNIVERSITY OF CLUJ-NAPOCA ROMANIA

University of South Australia

KIIT
KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY
Deemed to be University U/S 3 of the UGC Act, 1956

Cyprus University of Technology

ICIMOD

WILLIAM & MARY
CHARTERED 1693

universidade de aveiro
theoria poiesis praxis

www.nec.edu.np

International **Linkages** & **Projects**

nec has established institutional linkages for academic exchanges, with a number of universities, institutions and organizations in different parts of the world. Exchange of faculty and students, sharing of knowledge, experiences and publications and collaboration in teaching and research have been some of the continued activities initiated and supported under such linkages.

Bhutan+Nepal Higher Education for accomplishing the Sustainable Development Goals (B+NeSDG)

Co-funded by the Erasmus+ Programme of the European Union

The B+NeSDG (Bhutan and Nepal Education for Sustainable Development Goals) Project, co-funded by the Erasmus+ program, draws together institutions from Nepal, Bhutan and EU for a common purpose. Nepal Engineering College, along with Pokhara University, Kathmandu University, Far Western University, and Sagarmatha Engineering College, in collaboration with international counterparts such as Universidad Politécnica de Cartagena (Spain), Riga Technical University (Latvia), and Jigme Namgyel Engineering College (Bhutan), demonstrating the importance of international cooperation in advancing sustainability. Through lectures, workshops, and discussions, the transformative B+NeSDG Project Easter School nurtured new perspectives and fueled a commitment to sustainability. Milestones like capacity-building training at Riga Technical University and the Polytechnic University of Cartagena enrich the voyage. This initiative cultivates cognizant leaders to secure a greener and more inclusive future for Nepal and Bhutan.

Key Action 1 – Mobility for learners and staff – Higher Education Student and Staff Mobility (Student mobility Exchange program for studies)

Co-funded by the Erasmus+ Programme of the European Union

Inter-institutional agreement 2022-2023 between Nepal Engineering College, Nepal and The Technical University of Cartagena (UPCT), Spain has been signed to cooperate for the exchange of students and/or staff in the context of the Erasmus+ programme. Both institutions commit to respect the quality requirements of the Erasmus Charter for Higher Education in all aspects of the organisation and management of the mobility, in particular the recognition of the credits (or equivalent) awarded to students by the partner institution. The institutions also commit to sound and transparent management of funds allocated to them through Erasmus+. Under this program, twelve students of ***nec*** has already completed 6 months of studies in UPCT.

South Asia Water (SAWA) Leadership Program on Climate Change

SAWA Leadership Program on Climate Change (2017-2022) in continuation to earlier IDRC SAWA Fellowship Project for iWRM program, is being supported by International Development and Research Center (IDRC) Canada and executed by South Asia Consortium for Interdisciplinary Water Resources Studies (SaciWATERs) in four academic institutions of South Asian Countries including nec. The aim of the program is to increase the number of women occupying leadership roles in the water sector fostering an interdisciplinary approach linking climate change and water insecurity by awarding fellowships to 36 women enrolled in masters level Integrated Water Resources Management (iWRM) program in Bangladesh, India, Nepal and Sri Lanka. Three female students for three academic sessions from each academic institution shall receive financial support to pursue course in Interdisciplinary Water Resources Management (iWRM). Currently, nec as one of the Partner Institutions (PIs) had successfully completed the 14 day workshop for the first batch of SAWA Fellows on "Leadership and Research Methods for Interdisciplinary Water Research". The second and third workshops are scheduled to be held in India and Sri Lanka respectively.

Internationalization at *nec*

Associate Professor Bibhuti Ojha from Nepal Engineering College (*nec*) has earned a prestigious 12-week USDA fellowship for her project on "Managing Water for Climate-Smart Agriculture," hosted at Michigan State University from September 11 to December 6, 2023. Under the mentorship of Professor Myswish K. Maredia, this achievement highlights *nec*'s exceptional research potential and its faculty's ability to address global challenges and advance sustainable agricultural solutions.

TOWARDS QUALITY EDUCATION

Providing the **youth** with the **best opportunities** and **environment of learning** to help them **attain high level** of **academic standard,** scientific temper, technical and professional competence and life-skills.

Suraj Karki (BE Computer) | **Anil Kumar Yadav** (BE Electronics and Communication) | **Jay Prakash Mahato** (BE Electrical and Electronics)

Erasmus KA1 Mobility of Students to UPCT Spain in 2023

In recognition of our **commitment** to **internationalization**, we are pleased to announce the **selection of three BE students** from the **2018 Batch** for the **Erasmus KA1 Student Mobility program** for the **year 2023**. They will participate in a transformative academic exchange at **Universidad Politécnica de Cartagena (UPCT), Spain**. This opportunity illustrates our commitment to international education.

Ongoing **Projects**

Assessment of Current Status of Solid Waste Management in Kathmandu Valley and Development of GIS Based Fleet Management System for Efficient Waste Collection funded By University Grant Commission (UGC)

Due to the lack of an inefficient solid waste management system in the Kathmandu Valley, there are disparities in waste generation – collection rates, large amounts of waste remain uncollected and eventually end up in open fields and water bodies which are hazardous for the environment and public health. Besides socio-economic factors, poor operational scheduling and routing are significant issues in waste management, resulting in increased operating costs. The Department of Computer Science and Engineering is pursuing a University Grant Commission (UGC) funded research project under Faculty Research Grant scheme in developing an GIS Based Fleet Management System for efficient collection of waste. The research work is led by Asst. Prof. Ashish Kumar Jha.

IoT-Based Fully Automated Hydroponic System for Cultivating Leafy Vegetables

The research titled "IoT-Based Fully Automated Hydroponic System for Cultivating Leafy Vegetables," led by Associate Professor Bijaya Shrestha (PI), Asst. Prof. Anil Kr. Yadav (CO-PI), and Ramesh Kr. Pudasaini (CO-PI), is being conducted by the Department of Electronics and Communication Engineering. Funded by the University Grant Commission (UGC) Nepal under award number FRG-78/79-Engg-03, this project focuses on lettuce cultivation using a soil-less NFT hydroponic system. The research develops and implements an IoT-based nutrient automation system that monitors and adjusts key parameters—temperature, Total Dissolved Solids (TDS), and pH—of the hydroponic nutrient solution. The feasibility of lettuce cultivation in this controlled setting is assessed in terms of productivity and electricity consumption. Four groups of final-year students have already contributed to this research by completing relevant projects.

Exploring the Efficacy of Augmented Reality in Enhancing Mathematical Learning for Autistic Children of Nepal funded by NAST

This NAST-funded research, led by Assoc. Prof. Sachin Shrestha (Principal Investigator) and Assoc. Prof. Amit Shah (Co-Investigator), aims to design and develop an inclusive Augmented Reality (AR) learning platform, enhanced with Machine Learning (ML) models, to teach fundamental mathematical concepts to children with Autism Spectrum Disorder (ASD) in Nepal. The project will integrate virtual and real-world elements to create immersive, interactive, and adaptive learning experiences tailored to the unique cognitive and sensory needs of autistic learners. By incorporating gesture recognition, voice interaction, and context-aware features, the system will promote active engagement while adhering to Universal Design for Learning (UDL) principles for accessibility. The outcomes are expected to advance inclusive education practices, contribute to national goals of equitable access to quality learning, and offer a scalable technological solution that benefits both special needs education and the broader academic community.

Evaluation of Electric Vehicle (EV) Battery Recycling Strategies, Their Challenges, and Potential Improvements in Nepal Funded by PURC

The research titled "Evaluation of Electric Vehicle (EV) Battery Recycling Strategies, Their Challenges, and Potential Improvements in Nepal," led by Asst. Prof. Yam Krishna Poudel (PI), Asst. Prof. Basanta Pancha (CO-PI), and Asst. Prof. Narayan Acharya (CO-PI), is being conducted by the Department of Electrical and Electronics Engineering. This research, funded by the Pokhara University Research Centre (PURC), aims to systematically evaluate existing EV battery recycling practices, identify key technical, economic, and regulatory challenges, and propose context-specific improvements suited to Nepal's socio-economic and environmental conditions. The study will employ a mixed-method approach, including a review of global best practices, stakeholder consultations, and feasibility assessments of technological options. It will analyze the potential for integrating local recycling capabilities, promoting circular economy principles, and developing policy recommendations for safe, efficient, and economically viable recycling processes. By bridging current knowledge gaps and offering actionable strategies, the research seeks to support Nepal in establishing a robust EV battery recycling ecosystem that minimizes environmental risks, enhances resource recovery, and fosters sustainable growth in the EV sector.

Nurturing Independence: AR Based ICT Tool To Teach Practical Life Skill In Children With Autism of Nepal Funded by UGC Nepal

This UGC Nepal-funded study seeks to design, develop, and evaluate an Augmented Reality (AR)-based ICT tool aimed at enhancing practical life skills among children with autism in Nepal. Employing a quasi-experimental research design, the project will involve approximately five autistic children, in close collaboration with special educators and parents. The AR tool, developed using the Unity platform, will simulate real-life scenarios—such as road-crossing—on devices including tablets and mobile phones. Effectiveness will be evaluated through pre- and post-intervention assessments, supported by qualitative methods such as interviews, observations, and focus group discussions. Given the sensitive nature of research involving children, strict privacy and consent protocols will be followed. The study aims to generate actionable insights to foster independence and improve the quality of life for children with autism in the Nepalese context. The project is led by Asso. Prof. Sachin Shrestha and Asso. Prof. Amit Shah.

Completed National & International Projects

Co-funded by the Erasmus+ Programme of the European Union

Empowering Learning Through Problem-Based Learning (PBL): Fostering Critical Thinking, Collaboration, and Real-World Application

Problem-Based Learning (PBL) is an educational approach that centers on students actively engaging with real-world problems to develop solutions. In this student-centered method, learners take charge of their own learning by identifying, analyzing, and resolving complex issues relevant to their field of study.

Unlike traditional didactic approaches, PBL encourages a dynamic learning process where students collaborate in groups, drawing from various sources to address multifaceted problems. This approach cultivates critical thinking, teamwork, communication skills, and the ability to integrate knowledge from different disciplines. By emphasizing the practical application of theoretical concepts, PBL not only enhances understanding but also motivates students to learn. This pedagogical approach is instrumental in fostering lifelong learning habits, preparing students for a dynamic professional landscape, and nurturing a holistic understanding of the subject at hand.

Seasonal food plasticity of snow leopard in Lapchi Valley, GCA, Nepal funded By University Grant Commission (UGC)

Research on Seasonal food plasticity of snow leopard in Lapchi Valley, Gaurishankar, Conservation Area (GCA), Nepal is currently being conducted at ***nec***-CPS under the direction of Dr. Narayan P. Koju, Program coordinator (NRM), with funding from the University Grants Commission's Faculty Research Grants for the year 2021-23.

Community-based camera trap monitoring of snow leopard and its associated species at Lapchi Valley, Gaurishankar, Conservation Area (GCA), Nepal

The project titled "Community-based camera trap monitoring of snow leopard and associated species in Lapchi Valley, GCA, Nepal" is funded by UNDP, GEF, Amity foundation, and Shanshui Conservation, Peking University. The duration of the grant is between June 2022 and February 2023. The research is supported by South-South exchange and practice grants.

Co-funded by the Erasmus+ Programme of the European Union

Nepal Engineering College is a member institute of InterNepInd consortium consisting of nine universities from Spain, Portugal, India, and Nepal. InterNepInd consortium works together to support the internationalization process of Higher Education Institutions in India and Nepal, promoting a comprehensive approach based on strategy design, capacity building, development of structures, and networking. As a result, international opportunities will be created for different stakeholders: students, teachers, researchers, managers, and administrative staff. The project is co-funded by the Erasmus+ Programme of the European Union, KA2 2019 Capacity Building in Higher Education.

- **AI based Delivery Robot**
- **ICT Based Assistive Technology for Children with Autism of Nepal**
- **Promoting Sustainable Hydro-power Development in Nepal and India**
- **Peri-Urban Water Security Project (2010-2013)**
- **Energy Efficient Lighting Education in Nepal and Bhutan (ELNAB) – EU funded**
- **ICT Based Social Story Teaching Aid for Children with Autism of Nepal funded by PURC**
- **Design and Development of Mobile application for Early Detection and Identification of Oyster Mushroom Disease with Remedy Recommender**

Ongoing Projects on *nec* CPS

Gendering water and climate science research in South Asia

The three-year project "Gendering Water and Climate Science Research in South Asia," funded by IDRC, Canada, involves the University of Peradeniya (Sri Lanka), BUET (Bangladesh), and nec (Nepal). Its goal is to enhance gender analysis and interdisciplinary research in water and climate science (WCS) in South Asia. Objectives include identifying barriers to gender inclusivity in WCS, improving interdisciplinary methods and teaching tools, and building a network for knowledge exchange and mentorship. A five-day international workshop on field research methodology for SAWA fellows was held in Kathmandu and Dhulikhel from February 4-8, 2024.

Gendering water and climate science research in South Asia

Nepal Engineering College collaborates with a multi-year, multi-nation and multi-disciplinary project REgional cooperation for FReshwater Ecosystem Services in theHimalayas (REFRESH): Understanding the influences of monsoon variability andcompound extremes funded by APN Japan. The project is led by IIT Roorkee and IITMandi, IIT Indore, NIH Roorkee, Acharya Narendra Dev University of Agriculture,Royal University of Bhutan and Nepal Engineering College are the collaborators of theproject.

The project aims to (i) Map and characterize freshwater ecosystems and services inselected river basins in Himalayan regions (ii) Examine monsoon variability and itsconnections to freshwater ecosystems services (FES) in Himalayan (iii) Analyze theimpacts of emerging concurrent and compound extremes on freshwater ecosystemservices (FES) (iv) Review of existing policies in three countries (i.e., Bhutan, India, and Nepal) and provide novel insights into freshwater ecosystem sustainability.

International Workshop on Himalayan Freshwater organized by Nepal Engineering College

Notable Events of the Recent Past

Memorandum of Understanding (MoU)

- **June 29, 2025:** Bhaktapur — Nepal Engineering College (***nec***) has signed a Memorandum of Understanding (MoU) with the Society of Nepalese Architecture (SONA), marking a strategic partnership to advance academic and professional growth in engineering and architecture. The collaboration will focus on joint research initiatives, workshops, seminars, and student engagement programs, with key goals including promoting innovation, organizing skill-development activities, encouraging sustainable design solutions, and strengthening industry–academia connections. "This partnership will open new avenues for our students and faculty, bridging the gap between academic knowledge and practical application," said the ***nec*** representative. The MoU is expected to create impactful opportunities for both students and professionals, contributing to the enhancement of engineering and architectural education standards in Nepal.

- **December 16, 2024:** Bhaktapur — Nepal Engineering College (nec) has signed a Memorandum of Understanding (MoU) with the All India Shri Shivaji Memorial Society's Institute of Information Technology (AISSMS IoIT), India, to strengthen cross-border academic and research cooperation. The partnership will focus on fostering joint research projects, faculty and student exchanges, technical workshops, and seminars. Both institutions aim to promote innovation, enhance technical skills, and create opportunities for collaborative learning in engineering and technology fields. "This MoU reflects our shared commitment to building strong academic linkages and preparing students for a globally competitive environment," noted a nec spokesperson. The agreement is set to pave the way for impactful initiatives benefiting students, faculty, and the broader academic community in both Nepal and India.

To strengthen the academic relationships thus established by Joint Academic Venture (JAV), especially

- **May 06-09, 2025. Erasmus+ KA1 Mobility to UPCT, Spain**: We are pleased to announce that the selection process for the Erasmus+ KA107 Program, conducted under the framework of the International Staff Week at Universidad Politécnica de Cartagena, had been successfully concluded. The chosen participants for the program have been finalized as follows:

  For the STA (Teaching) category, the selected candidates are:

  - Asst. Prof. Ashish Kumar Jha, Department of Computer Science and Engineering
  - Asst. Prof. Sushil Adhikari, Department of Civil Engineering

  This initiative is anticipated to play a pivotal role in enhancing the knowledge and experience of our staff members. We are confident that the insights gained from this program will not only enrich their professional growth but also contribute significantly to the advancement and progression of our institution.

Why to join *nec*?

- Students Mobility Programs
- College Bus and Girls Hostel Facilities
- Peaceful Learning Environment
- International Institutional Linkage
- Permanent Approval from Nepal Engineering Council
- D.A.O Bhaktapur Reg. NO. 552/2060
- Self-Financed Not-for-Profit Social Academic Institute
- Well Equipped Laboratories & Library
- 120+ Full time Highly Qualified Faculties
- 10000+ Students Already Enrolled at *nec*.
- Regular Interaction with Parents via Counselor
- Strong Research Environment
- 1,500+ Full-time Bachelor Level Students and 200+ Master Level Students Currently Studying at *nec*.
- High Number of Scholarships
- Nominal Fee Structure

www.nec.edu.np

Information Communication and Technology (ICT) Center

The information and communication technology (ICT) center consists of the hardware and software infrastructure required for information and communication. These components include computer and network hardware, middleware for communication, and essential software. The ICT center manages the seven Windows and Linux-based Computer Laboratories, which allow students to experiment with preinstalled software and develop their own during and after class hours. Additionally, it includes CCNA course materials. It establishes links between various research institutes in Nepal and other nations.

Research Management Cell

In accordance with Pokhara University's guidelines, Nepal Engineering College has established a Research Management Cell (RMC) to promote, facilitate, and oversee research and innovation activities within the institution. The RMC works in coordination with the Pokhara University Research Center (PURC) to ensure that research endeavors align with academic standards, foster innovation, and contribute to the advancement of knowledge and technology. The current RMC is led by Asst. Prof. Dr. Narayan P. Koju as Coordinator, with Assoc. Prof. Dr. Rakesh Dumaru serving as Member Secretary. Other members include Assoc. Prof. Ajay Kumar Lal, Assoc. Prof. Dibyashree Poudyal Lohani, Assoc. Prof. Prabin Basnet, Asst. Prof. Krishna Bikram Shah, and Asst. Prof. Sweta Amatya.

Co-curricular Activities

Games/Sports

The college encourages students to participate in sports, athletics and other co-curricular activities on ***nec*** holidays. Sports activities are strictly prohibited on college days. The facilities for outdoor sports include volleyball and basketball courts and a large football ground maintained within the college premises.

Site Visits and Study Tours

The college arranges required site visit or study tour of students to relevant industries, institutions and construction projects. Settlement study, directly complementing the learning of the students pursuing B.Architecture. is part of the curriculum. A survey camp of ten days is organized for the third year students of BE (Civil and Civil & Rural) and BE Civil for Diploma Holders. Two weeks educational exposure tour (NASA) to India is organized for the third year students of architecture. Similar visits are provided for BE Computer, Electronics, and Communication students, as well as Electrical and Electronics students. After such visits, students are asked to submit a report in prescribed format as a part of internal evaluation system.

Library

nec library provides the ambience of learning for the students and faculty. There is collection of more than 35000 books and references on wide ranging subjects in engineering, technology, basic and applied sciences, social sciences, language and culture. The library has been essentially serving ***nec*** students and faculty and also professionals and researchers from outside. The computerized catalogue system allows easy retrieval of text books and other references.

By using DELNET resources and services, ***nec*** libraries is getting the following advantages:

I. Access to selected international full-text journals in various fields, including the Arts, Science, Commerce, Education, Social Sciences, Management, Engineering & Technology, Dental and Medical Sciences, etc.

II. Access to more than three crore catalogue records of books, journals, articles, etc. with the facility to borrow books (on Inter Library Loan) and get copies of journal articles through DELNET.

III. DELNET has introduced Knowledge Gainer Portal which has more than 1.6 Crore full-text documents including e-books, e-articles & e-journals.

SWECAD: Student Welfare and Extra Curricular Activities Division

Chief, SWECAD

The SWECAD emphasizes nurturing of the "whole student" – socially responsible, emotionally matured, intellectually capable, and spiritually sound. This spirit has helped the students in their overall development, to make them ready to accept the challenges in their professional career. In order to achieve this, SWECAD organizes a number of creative, co-curricular and personality development activities. SWECAD monitors the progress of the students and extends needed emotional and moral support. SWECAD is headed by a senior faculty, who coordinates the activities on a regular basis. Parents are kept informed on a frequent basis about their children's progress in all activities, including academic performance, during each semester by respective class counselor assigned to each section.

Allied Services

Students' Union

Students' Union (SU) has been constituted with the objective of promoting students' participation in academics and co-curricular activities. SU provides a forum for the students to interact with fellow students coming from different parts of the country with diverse social and cultural backgrounds and helps them manage their scholastic pursuit actively. SU also provides feedbacks to the college management on academic issues when needed.

Accommodation

On Campus Accommodation

nec runs a girls' hostel able to accommodate 70 students. The hostel provides the required amenities for simple and decent living. The Girls' hostel is supervised by a senior resident lady administrative staff. Fee details of girls' hostel is given in page 28.

Off Campus Accommodation

Students may opt for private accommodation available at Duwakot, Jhaukhel, Changunarayan and Mulpani which lie within one km radius of the college. Rents vary depending upon amenities available. More information on off-campus accommodation can be obtained from the college administration.

Cafeteria

nec is managing one cafeteria and two canteen which serve meals, snacks and beverages, catering to a variety of tastes and preferences at reasonable cost. In addition to the college cafeterias a number of entrepreneurs operate eateries close to the college premises that serve food, snacks and beverages to the students and staff.

A coffee shop, located within the premise of the academic block A, serves tea, coffee, soft-drinks and bakery to the college community. This has been a convenient place for someone looking for quick refreshment.

Health Care Scheme

All students at ***nec*** are insured for NRs. 1,00,000/- (One Lakh) to cover the expenses for major accidental injuries.

nec Alumni Association (*nec*-AA)

Nepal Engineering College Alumni Association (***nec***-AA) is a body of graduates from ***nec***, established with the objective of maintaining continued linkage with the graduates by keeping track of their where about and professional engagements and growth.

Transportation Facility

A fleet of buses managed by the college provides transportation to the students, faculty and staff. The buses operate from designated locations along prescribed routes, covering major locations of student concentration in Kathmandu, Bhaktapur, Lalitpur, Kritipur and Kavre. Students are required to obtain a bus pass, upon payment of the prescribed fees to use the college buses for daily commuting.

nec Clinic

nec Clinic provides health care services to students and employees, including treatment of minor injuries and first aid treatment.

Student Clubs

Institute of Electrical and Electronics Engineers (IEEE) Student Branch

A newly established academic and professional community of students passionate about advancing technology for the benefit of humanity. The branch offers opportunities to enhance technical skills, join workshops, seminars, and competitions, and connect with a global network of engineers and researchers, fostering innovation, leadership, and academic excellence.

Center for Applied Research and Rural Development (CARRD)

A research and development club comprising of students pursuing their studies in different areas of engineering and technology. CARRD is expected to create synergy for productive engagement of the students in the development and promotion of appropriate technology for rural development and similar scholarly activities supporting the academic discourse in the college.

Microsoft Student Partners (MSPs)

MSPs are the brightest and most innovative student developers and technology enthusiasts from Colleges/Universities around the world. The MSPs at ***nec*** provides niche of opportunities for the students and faculty to enhance their software skills.

Academic Council of Architecture Students (ACAS)

ACAS is a social venture that aims to develop strong camaraderie amongst the architectural students studying at ***nec***.

Computer Technology & Robotics Club (CTRC)

CTRC is a group of students of ***nec*** which basically includes students from Electronics and Communication, Electrical and Electronics and Computer Science and Engineering having eager to have knowledge in computer, its application and robots.

nec IT Club

nec IT Club focuses on growth of skills and decision making capabilities regarding technology.

Center For Research in Applied Sciences and Technology

CRAST is club for new student to understand the research process and areas with new technology .

Hult Prize at *nec*

The Hult Prize is an On-Campus program of the Hult Prize, an annual competition worldwide. It is a platform for university students to venture into their startups with mentorship and seed capital of a million dollars from the Hult Prize Foundation, US. In 2018, Team One Step from nec with their idea of Artificial Trees against Carbon Emission was the Regional Finalists in the Hult Prize at the Mumbai Regionals.

Amazon Web Services (AWS) Cloud Club

The AWS Cloud Club at Nepal Engineering College is a student-led community dedicated to fostering cloud computing skills, innovation, and collaboration. Affiliated with Amazon Web Services (AWS), the club provides hands-on learning opportunities, workshops, and projects that empower students to explore cloud technologies, DevOps practices, AI/ML services, and scalable application development. Members gain access to AWS credits, mentorship, and global learning resources while working on real-world projects and competitions. By bridging classroom knowledge with industry-relevant skills, the AWS Cloud Club equips students to become future-ready cloud professionals and tech innovators.

Computer Engineering Student Society (CoESS)

Computer Engineering Student Society (CoESS), founded in 2024 at Nepal Engineering College the official body of Computer Engineering students. Supported by the Principal, HoD, and Student Welfare Division, it promotes academic excellence, technical skills, research, and innovation through workshops, hackathons, industry links, mentorship, and community outreach, fostering collaboration, leadership, and professional growth.

nec - Activities

Programs Offered at *nec* & *nec* -BDH (Bachelor level)

Bachelor of Civil Engineering

Since : 1994

144 ANNUAL INTAKE

30+ FULL TIME FACULTY MEMBERS

Bachelor of Architecture

Since : 1996

48 ANNUAL INTAKE

18+ FULL TIME FACULTY MEMBERS

Bachelor of Computer Engineering

Since : 1999

96 ANNUAL INTAKE

17+ FULL TIME FACULTY MEMBERS

Bachelor of Information and Communication Engineering

Since : 1999

96 ANNUAL INTAKE

12+ FULL TIME FACULTY MEMBERS

Bachelor of Civil for Diploma Holders (*nec* - BDH)

Since : 2000

48 ANNUAL INTAKE

11+ FACULTY MEMBERS

Bachelor of Electrical and Electronics Engineering

Since : 2006

48 ANNUAL INTAKE

5+ FULL TIME FACULTY MEMBERS

Bachelor of Civil & Rural Engineering

Since : 2008

48 ANNUAL INTAKE

7+ FULL TIME FACULTY MEMBERS

Programs **Offered** at *nec* CPS (Master's level)

Since : 1999

10+ FULL TIME FACULTY MEMBERS

M. Sc. in Natural Resources Management (NRM)

30 ANNUAL INTAKE

M. Sc. in Transportation Engineering and Management (TEAM)

30 ANNUAL INTAKE

M. Sc. in Construction Management (CM)

30 BIANNUAL INTAKE

M. Sc. in Interdisciplinary Water Resource Management (iWRM)

30 ANNUAL INTAKE

Proposed Postgraduate & Undergraduate Level Programs

- BE IT
- BE Software
- M.Sc. in Computer Engineering
- M.Sc. in Software Engineering
- M.Sc. in Disaster Risk Management
- M.Sc. in Hydropower Engineering
- Doctoral Programs

Bachelor Level Programs

The following Bachelor level programs are currently underway at ***nec:***

Bachelor of Civil Engineering

nec has been offering Bachelor program in Civil Engineering since 1994. The objective of the course is to produce qualified Civil engineers to deal with design, construction, operation and maintenance of physical infrastructure and services. The students opting for this course undergo theoretical and practical learning in the areas of material engineering, structural engineering, environmental engineering, transportation engineering, water resources engineering, geotechnical engineering and surveying, so that they systematically develop theoretical learning and analytical and hands-on skill to deal with, and cater wide ranging infrastructure development projects.

Faculty Members and Staff of Department of Civil Engineering and Civil & Rural Engineering

I began my journey at Nepal Engineering College with a heart full of curiosity. Today, I can proudly say that I am a student of ***nec***—a place where innovation, mentorship, and integrity are woven into every lecture, lab, and late-night brainstorming session.

My academic path was shaped not only by classroom learning but also by enriching co-curricular experiences—such as survey camps that turned theory into real-world application, and active participation in student clubs like the Computer Technology and Robotics Club.

With heartfelt gratitude, I carry this pride as I prepare to step confidently into the world, ever thankful to ***nec*** for the strong foundation it has given me.

Ugina Maharjan
BE Civil (2020 Batch)

I, Tirtha Pokhrel, a proud student of the BE Civil Program at Nepal Engineering College, feel privileged to share my learning journey here. The college offers excellent laboratory facilities, a peaceful environment, and cooperative teachers who consistently guide and support me. ***nec*** has provided me with valuable opportunities to participate in projects and exchange ideas with friends and faculty, helping me gain practical skills and knowledge beyond the classroom. These experiences have strengthened my confidence and enhanced my teamwork abilities. Moreover, the practical exposure has taught me how to apply classroom knowledge to real-life situations. I am deeply grateful to Nepal Engineering College for nurturing my growth and helping me develop both personally and professionally.

Tirtha Pokhrel
BE Civil (2020 Batch)

I am a proud graduate of Nepal Engineering College, where I earned my Bachelor's degree in Civil and Rural Engineering. My time at the college was marked by exceptional support and guidance from the faculty, whose expertise and encouragement were pivotal in shaping my educational journey and fostering my passion for engineering.

I am deeply grateful for their mentorship and the invaluable knowledge they imparted. Additionally, engaging in projects, field visits, and survey camps further enhanced my skills and prepared me for future challenges in the field. The college provided a fruitful and enriching learning environment that was essential for my academic and personal growth.

Sangita Ranabhat
BE Civil and Rural (2018 batch)

I'm Aawaj Gurung, an architecture student at Nepal Engineering College. For five years, the forested campus, heritage walks, and community projects shaped me beyond academics. Conversations over tea, late-night model-making, and mentors' guidance taught me to listen to places and people. Surrounded by cultural heritage and eco-friendly design, I learned architecture is creativity rooted in care and responsibility. This journey has been about more than skills—it's about seeing the world differently and imagining how I can shape it in return.

Aawaj Gurung
B. Architecture (2019 Batch)

My five-and-a-half-year journey at Nepal Engineering College transformed my knowledge and passion for architecture. Immersed in a vibrant academic atmosphere, I learned to see design as art and responsibility. A diverse curriculum, inspiring faculty, and real-world exposure fostered critical thinking, creativity, and innovation. ***nec*** became a place where ideas thrived, friendships grew, and resilience developed. Mentors, peers, and shared passion shaped me into a thoughtful designer and lifelong learner, ready to envision and create spaces that inspire, connect, and endure.

Bipasana Kansakar
B. Architecture (2019 Batch)

Bachelor of Civil and Rural Engineering

In Nepal, significant development challenges persist in rural areas due to rural poverty and a low quality of life. Technology, infrastructure, and services are closely interconnected, and together they have a positive impact on the rural economy and quality of life. This has led to a demand for technical professionals who can apply engineering and technology knowledge to rural development. To meet this need, Nepal Engineering college, nec initially launched a Bachelor program in Civil and Rural Engineering in 2008 as a 4.5 year course, a pioneering initiative in the country and region which focused on addressing the unique challenges of rural areas by producing experts who can design infrastructure and systems specifically tailored to these environments, such as agricultural structures, irrigation systems, rural roads, and sustainable development projects, thereby improving the quality of life and economic stability in rural communities as well as overlapping with the field of conventional civil engineering. In 2018, the program was restructured to be completed in 4 years, making it more accessible and aligning it with international educational standards. This modification maintained the program's comprehensive approach to rural development while optimizing the duration of study to better meet students' needs and career timelines.

Bachelor of Architecture

Faculty Members and Staff of Department of Architecture

The Bachelor program in Architecture, leading to B. Arch. (Bachelor of Architecture) degree is a five years course that aims to provide systematic knowledge and skills in planning, design and conservation of buildings and other built forms with concerns for aesthetics, comfort, durability, social responsiveness and integration with natural and man-made landscapes. The area of instruction covers a spectrum of courses relating to architectural design and planning, structural design, landscape management, interior design, building construction and conservation of urban spaces and built forms. The program has been designed to meet international standards in Architecture education, preparing the students to become competent professionals for work in Nepal and abroad.

Department of Applied Science and Humanities

Faculty Members and Staff of Department of Applied Science and Humanities

The Applied Science and Humanities Department at Nepal Engineering College provides a strong foundation in mathematics, physics, chemistry, and communication English to support all engineering disciplines. It emphasizes practical learning and critical thinking to prepare students for both academic excellence and professional success.

Bachelor of Computer Engineering

Microelectronics and computer science are advancing at a tremendous speed, necessitating the development of specialist workforce capable of fusing these two cutting-edge technologies. This synthesis of knowledge and technology has resulted in the emergence of a highly specialized professional sector known as Computer Engineering. Computer engineers have a diverse range of job opportunities in business, industry, manufacturing, service sectors, and information technology.

Recognizing the growing demand for Computer Engineers within the country and the rapidly expanding work opportunities outside, ***nec*** began offering a Bachelor of Science in Computer Engineering in the academic year 1999. The program is unusual in that it combines broad programming and electronics knowledge with specialized skills in software and hardware design and interface.

Bachelor of Civil Engineering for Diploma Holders (*nec*-BDH)

Bachelor course in Civil Engineering for Diploma Holders is designed to train competent graduates in Civil Engineering who join the course after the completion of diploma level education in Civil Engineering or Architecture. The students joining the course undergo systematic theoretical and practical learning in basic sciences, material engineering, structural engineering, water resources engineering, geotechnical engineering and transportation engineering. This provides the students opportunity to develop knowledge and skills to take up an array of infrastructure development tasks where civil engineers have an important role to play. Upon successful completion of the course, the students are awarded Bachelor of Engineering degree in Civil Engineering by Pokhara University. ***nec*** started offering this program from 2000 AD; currently it is located at ***nec***-BDH, Satdobato, Lalitpur.

Faculty Members and Staff of nec-BDH Program

Choosing the right college is a life-changing decision, and Nepal Engineering College (***nec***) truly stands out. With dedicated faculty, supportive teachers, and experts in every field, I've received guidance that goes beyond textbooks. Here, learning isn't just in the classroom — it's in teamwork, in student clubs, and in hands-on projects. Quality education, practical learning, and endless opportunities — that's the ***nec*** way.

My journey here has been memorable, enriching, and inspiring. I've gained knowledge, sharpened skills, and built lifelong friendships. I'm proud to call ***nec*** my second home.

Raju Karki
BE Computer Engineering (2019 Batch)

My time at Nepal Engineering College has truly shaped my academic and personal growth. The college offers a perfect blend of rigorous coursework and hands-on learning, supported by passionate professors and modern facilities. Through collaborative projects and various extracurricular activities, I have gained valuable technical skills and developed a problem-solving mindset essential for today's engineering challenges. The encouraging community and vibrant campus culture have inspired me to push my limits and embrace continuous improvement. Being a part of ***nec*** has been a transformative experience that prepares me to confidently step into my professional career.

Rakhi Pandey
BE Computer Engineering (2019 Batch)

I really feel proud to be a part of Nepal engineeing college. It is truly the best college of Engineeing. Specially, BDH programme of this college is best opportunity for the Diploma holders. The excellent lectures and practical experiences have profoundly shaped my skills and understanding in civil engineering preparing me for a successful career in the field. For those considering BE civil in pokhara university. I highly recommend choosing Nepal Engineering college -you will never regret it.

Kashiram Upadhayaya
BE Civil For Diploma Holders (2018 Batch)

Studying at Nepal Engineering College has been an exciting and enriching journey. The friendly and experienced faculty, practical-oriented teaching methods, and a motivating academic atmosphere have helped me learn and grow every day. ***nec*** not only focuses on technical knowledge but also provides opportunities for overall personality development. I feel proud to be part of this institution and confident that the experiences gained here will guide me towards a successful future.

Bijay Poudel
BE Electronics and Communication (2021 Batch)

Studying at Nepal Engineering College has been both exciting and enriching. The supportive and experienced faculty, combined with practical, hands-on teaching methods and a motivating academic environment, have fostered my learning and growth each day. ***nec*** goes beyond imparting technical knowledge, offering ample opportunities for overall personality development. I am proud to be a part of this institution and confident that the skills and experiences I've gained here will pave the way for a successful future.

Aagya Koirala
BE Electronics and Communication (2020 Batch)

My journey at Nepal Engineering College over the past four years has been truly transformative, both academically and personally. As an Electrical & Electronics Engineering student, I have immersed myself in diverse fields such as power systems, automation, and machine learning, which have greatly strengthened my technical expertise. Alongside academics, I gained valuable hands-on experience and skills through active involvement in club activities, technical events, and competitions. The college's supportive faculty, practical learning environment, and vibrant community have inspired me to innovate, grow, and excel. Beyond academics, the friendships, collaborations, and experiences from technical competitions to outreach programs have been invaluable. I am deeply grateful to ***nec*** for nurturing my ambitions and equipping me with the skills and confidence to step forward as an engineer ready to make a meaningful impact.

Subash Khanal
BE Electrical & Electronics (2020 Batch)

Bachelor of Information and Communication Engineering

Recognizing the growing significance of Electronics, Communication, and Information Technology in today's rapidly evolving world, Nepal Engineering College (nec) has introduced a forward-looking program entitled "Bachelor in Information and Communication Engineering". This innovative program is a blended course that integrates the core principles of Electronics and Communication Engineering with the dynamic field of Information Technology. It is uniquely designed to offer students the best of both worlds—opening career pathways in both the Communication Engineering and IT sectors. With a curriculum that bridges hardware and software, the program empowers students with a comprehensive skill set that spans electronic system design, communication technologies, programming, networking, machine learning, Internet of Things (IoT), and data systems. The goal is to produce well-rounded engineers capable of thriving in diverse industries—from telecommunications and embedded systems to software development and data-driven innovation. This interdisciplinary approach ensures that graduates are not only technically proficient but also adaptable to the ever-changing demands of the modern digital landscape.

Faculty Members and Staff of Department of Electronics and Communication Engineering

Bachelor of Electrical and Electronics Engineering

Faculty Members and Staff of Department of Electrical and Electronics Engineering

Electrical and Electronics Engineering (EEE) at Nepal Engineering College (***nec***) empowers students to shape the future through innovation, sustainability, and technology. In an era defined by automation, artificial intelligence, IoT, robotics, and smart systems, EEE graduates are at the forefront of transforming industries, infrastructure, and energy networks. In Nepal, rapid industrial growth, clean energy adoption, and electric mobility have created strong demand for engineers skilled in power generation, grid integration, energy storage, EV infrastructure, and SCADA-based control systems. Electronics, automation, and embedded technologies drive modern manufacturing, predictive maintenance, and real-time monitoring, making interdisciplinary expertise essential. Since its inception in 2006, nec's EEE program has combined advanced technical training with practical, industry-focused learning. Graduates are prepared to lead in smart grid deployment, renewable energy, automation, and digital power solutions—helping build a smarter, greener, and more connected Nepal and contributing to global technological progress.

Master Programs

nec entered a phase of vertical academic growth in engineering and allied sciences with the initiation of postgraduate programs beginning from 1999. The postgraduate programs are tailored to meet the demand of specialized manpower in different sectors of development.

nec-Center for Postgraduate Studies (_nec_-CPS)

All the postgraduate courses are organized at the Center for Postgraduate Studies (**_nec_-CPS**) located at Lagankhel, Lalitpur.

The formation of **_nec_**-Center for Postgraduate Studies (**_nec_**-CPS) in 1999 was a significant milestone and commitment of **_nec_** towards vertical growth of its educational agenda. Four postgraduate courses leading to M.Sc. (Master of Science) degree in Construction Management (CM), Interdisciplinary Water Resources Management (iWRM), Natural Resources Management (NRM), and Transportation Engineering and Management (TEAM) are offered at present.

Faculty Members and Staff of **_nec_**-CPS

M. Sc. in Construction Management (CM)

Construction is an essential activity for the continued development of a nation. Rapid growth in construction, engagement of specialized human resources and rapid changes in the physical infrastructure development and technology have all transformed this sector into an industry that demands highly specialized manpower to organize and manage the construction works. M.Sc. program in Construction Management intends to produce managers capable of using state of art, knowledge and skills in organizing and managing the construction works by enhancing technical and professional skills.

M. Sc. in Natural Resources Management (NRM)

The program focuses on the importance of sustainable management of natural resources and also emphasizes on the connection and the ability to communicate between different disciplines and actors. This is designed for those who wish to develop their career in the areas of conservation and management of natural resources. Upon completion of the program the graduates qualify for wide ranging administrative and technical positions with the government agencies and non-governmental organization engaged in forest management, watershed management, water resource management, urban and rural planning. It aims to produce graduates with adequate knowledge and skills to be competent natural resources managers, executives or entrepreneurs capable of becoming change agents in the corporate and social field.

M.Sc. in Interdisciplinary Water Resource Management (iWRM)

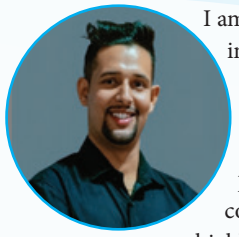
Water related issues continue to remain at the center of development debate around the world. Water issues are intricately linked to livelihood and well being of people, and have even much broader and often far reaching social, political and economic implications. The governments, planning and development agencies, researchers and academicians are now adequately convinced that solution of water related issues in development, and its use and management require multifaceted approach. This course is designed to address the issues in water resources management through education, research and knowledge dissemination following interdisciplinary approach. It aims at producing professionals with interdisciplinary knowledge and skills and capacity to respond to emerging challenges in water resources management.

M.Sc. in Interdisciplinary Water Resources Management (iWRM) at Nepal Engineering College–CPS, and the South Asian Water (SAWA) Fellowship provided by IDRC-Canada under IDRC-GIST project, has been a transformative journey for my career in the water sector. The program's interdisciplinary approach, combining technical expertise has equipped me with the skills to comprehend the complexity and challenges related to water resources management. The faculty's dedication, deep knowledge, and practical insights created a rich learning environment, fostering both academic growth and real-world problem-solving abilities. The well-structured curriculum, field-based learning, and research opportunities not only enhanced my technical competence but also strengthened my professional network. This experience has opened doors to impactful roles and projects, enabling me to contribute meaningfully towards sustainable and inclusive water resource management.

Priyanka Kunwar
iWRM (2023 Batch)

I am thankful to Nepal Engineering College- Center for Post Graduate Studies (nec-CPS) for providing a supportive academic environment, resources, and encouragement that enabled me to successfully complete my master's degree in Transportation Engineering and Management. While pursuing a master's degree, I gained technical knowledge along with skills in research, critical thinking, and problem-solving that will continue to guide my career. Being a full-time job holder, I greatly appreciated the college's well-planned evening class schedule which made it possible for me to balance my professional responsibilities with my academic goals.

Shrishti Maharjan
TEAM (2023 Batch)



I am honored to have graduated from the M.Sc. in Construction Management program at Nepal Engineering College (nec) – Pokhara University, an academic journey that has been both intellectually enriching and professionally transformative. The program's comprehensive curriculum, delivered by highly experienced and dedicated faculty, provided me with a strong theoretical foundation and advanced practical skills essential for managing complex construction projects. The evening class structure was particularly beneficial, enabling me to pursue postgraduate studies without disrupting my professional commitments. Engaging classroom discussions, exposure to real-world case studies, and insightful interactions with industry experts broadened my perspective and deepened my understanding of construction management practices. The program also offered exceptional networking opportunities, keeping me informed of the latest industry trends and innovations.

nec's commitment to academic excellence, research, and practical application significantly strengthened my capabilities in project planning, implementation, monitoring, and evaluation. This degree has not only enhanced my leadership, analytical, and decision-making skills but has also equipped me to perform competitively in the dynamic global construction industry.

I am deeply grateful to Nepal Engineering College for providing such a high-caliber learning environment and wholeheartedly recommend the M.Sc. in Construction Management program to aspiring professionals seeking to elevate their careers in the construction sector.

Aashish Pokharel
CM (2022 Batch)

M. Sc. in Transportation Engineering And Management (TEAM)

The concept of global village was realized mainly due to efficient transport facilities. Natural endowment of resources and competitive advantage of locations prompt increased volume of transport both of people and goods. Each nation, including Nepal, is investing heavily to connect inaccessible areas to the national transport networks. Yet, everyday movement in urban centers is hampered by congestion, insufficiency of public transport facilities, traffic accidents, and other conditions. Rural transport facilities remain inadequate and fragile. Thus, the issue of transportation continues to be crucial. The TEAM program aims to expose students to resolve all transport related problems, in the rural and urban areas. The coursework and research activities equip students with an advanced competence in designing transport facilities and their operation, maintenance and management.

Proposed Master Level Programs

M.Sc. in Disaster Risk Management

Nepal faces multitudes of natural and human induced disasters that result in the loss of lives and properties worth millions of rupees annually. Disaster risks and the resulting damages can be minimized with preparedness to manage the disasters. Realizing the importance of education, research and knowledge dissemination in the area of disaster management, ***nec*** has taken the lead in proposing to commence Masters program in Natural Disaster Risk Management. Initiatives are underway at ***nec*** to develop instructional resources so that the course can be started shortly.

M.Sc. in Computer Science and Engineering

Master of Computer Science and Engineering program exposes students to a wide range of courses, combined with specialized research work which culminates in a thesis. This combination of courses gives students the required depth necessary for pursuing careers in academics, research and in the industry related to IT and computing. This course provides the opportunity of higher education in the field of computer engineering in the country.

M.Sc. in Hydropower Engineering

The development of hydropower in Nepal has been rising significantly in recent days as the demand of electricity and establishment of new power plants increases to meet the lighting facilities and basic energy requirements for household as well as in meeting energy demand at the national level. In addition to the larger national projects, many small scale and rural community based hydroelectric projects have emerged as a boom in terms of rural electrification. M.Sc. in Hydropower Engineering will play a vital role to integrate economic, financial, social, and environmental disciplines and develop international level competent human resources.

Doctoral Programs

There is a great dearth of research manpower in the educational institutions and research organizations, especially in the areas of science and technology. Realizing this need, and with the experience of ***nec*** in offering Masters' level courses for more than 19 years now, ***nec*** has proposed to start Doctoral level courses leading to Ph.D. degree. To begin with, the Doctoral programs in two areas- Natural Resources Management and Construction Management, have been proposed. The preparations are underway at ***nec*** to start the mentioned programs from the Pokhara University.

Academic Entry Requirements

Bachelor's degree having a minimum of 15 years of education with minimum second division (or equivalent) is necessary to apply for the courses. Bachelor degree holders in selected field of engineering for CM; civil engineering for TEAM; engineering, basic/applied/ natural sciences for iWRM and NRM are eligible to apply.

The duration of all M.Sc. programs is two years spread over four semesters, including fourth semester for the thesis writing. Of the total academic credit, the course work involves 45 credits and 15 credit hours are dedicated for an independent research on field based problems. All the courses have to be completed within 4 years, and additional one year can be given to thesis work.

Academic Information

Academic Information Adapted from the Pokhara University

Semester System & Course Registration

Semester system is followed in the instruction and evaluation of all the Bachelor and Masters level programs underway at ***nec***. One semester normally spans over sixteen weeks. The Bachelor level programs generally extends over 8 semesters and B. Architecture which extends up to 10 semesters, while Masters' level courses can be completed in a minimum of 4 semesters. The students are required to register the courses at the beginning of the semester. The academic records are maintained based on the number of courses registered by the student in each semester.

Evaluation System

The Credit System

Each subject carries an academic credit based on instructional needs in theory, practical and tutorial classes. One credit normally means one hour of teaching in theory classes per week.

Student Evaluation

At the Bachelor level, the academic performance of the student is evaluated based on Continuous Internal Assessment (CIA) and End of Semester Examination conducted by Pokhara University. The scores in the internal evaluation (50%) and semester examination (50%) are added up to determine the total score obtained by the student in each subject which is then translated into letter grade. To pass a subject, a student must obtain a minimum of 45% marks in the internal and End of Semester examinations, separately.

In the Masters' level, the scores in the internal evaluation (60%) and semester examination (40%) are added up to determine the total score obtained by the student in each subject which is then translated into letter grade. To pass a subject at the Masters' level a student must obtain 60% marks in Internal Evaluation and Semester Examinations, separately.

Grading System

The grade awarded to a student in a subject is based on the students' aggregated performance in the internal and end of semester examinations. Pokhara University follows relative grading based on 4.0-point scale, as stated hereunder:
In some cases a student is awarded a grade I (incomplete) when he/she fails to complete assignments or project work on time. This may be converted to the relevant grades upon completion of the needed requirements in the following semester. The failure to do so would automatically lead to awarding F (Fail) grade.

For Bachelor Level Programs:

Letter Grade	Grade Point	Description
A	4.0	Excellent
A-	3.7	
B+	3.3	
B	3.0	Good
B-	2.7	
C+	2.3	
C	2.0	Satisfactory
C-	1.7	
D+	1.3	
D	1.0	Satisfying minimum requirements for credits
F	0	Failing

For Masters' Level Programs:

Letter Grade	Grade Point	Description
A	4.0	Excellent
A-	3.7	
B+	3.3	
B	3.0	Good
B-	2.7	
C+	2.3	
C	2.0	Satisfying minimum requirements
F	0	Failing

Attendance Requirements

The students are expected to attend all lectures, tutorials and practical classes. A minimum of 80% attendance of the student in all the lecture, tutorial and practical classes is the scholastic requirement in each subject. Failure to achieve required attendance in any of the subject may result in non-qualification to take the semester examination in that particular subject.

The aim behind establishment of ***nec*** is to produce technically competent engineering graduates ready to contribute in accelerated social and economic growth of the country.

Scholarship Scheme, **Grants & Awards** for Undergraduate Programs

1. Pokhara University Scholarships (PU Scholarships)

- **Seats Allotted:** 10% of total students in each program.
  - o B. Architecture – 5 seats,
  - o B. Civil Engineering - 14 seats,
  - o B. Civil & Rural Engineering - 5 seats,
  - o B. Computer Engineering - 10 seats,
  - o B. Information & Communication Engineering – 5 seats,
  - o B. Electrical & Electronics Engineering – 5 seats,
  - o B. Civil Engineering for Diploma Holders – 5 seats.
- **Eligibility:**
  - ➢ Must appear in Pokhara University's Scholarship Entrance Examination conducted by the University.
  - ➢ Only selected candidates with an official recommendation letter from Pokhara University are eligible.
- **Coverage:** Full scholarship (as per PU rules).(Refer a)

2. Province Scholarships

- **Seats Allotted:** 7 scholarships (one for each province).
- **Eligibility:**
  - ➢ Must appear in a separate Province Scholarship Entrance Test (as per nec rules).
  - ➢ Priority will be given to the students who have studied from 6 – 10 grades in governmental schools (as per PU rules) and subsequently students who have studied upto +2 / equivalent will be given priority (as per nec rules).
    - First priority is given to students who have studied in governmental schools from grades 6 to 10 (as per Pokhara University rules).
    - Students who have studied in governmental or social academic institutions in any combination of grades 6–10 and/or 11–12 are also eligible, but receive lower priority (as per nec rules). Students receiving full scholarship for +2 are also eligible.
    - If no eligible students from governmental or social institutions appear for the entrance test from a province, then students from private institutions are also considered for the scholarship (as per nec rules).
  - ➢ Selection based on highest scores from each province.
- **Program Allocation:**
  - ➢ The Top scorer among all provincial candidates gets first choice of program.
  - ➢ Others choose remaining programs based on rank and availability.
- **Coverage:** Full scholarship.(Refer b,d)

3. Community Scholarship Scheme

- Seats Allotted: 32 scholarships
  - o B. Architecture – 4 scholarship quotas,
  - o B. Civil Engineering – 12 scholarship quotas,
  - o B. Civil & Rural Engineering – 2 scholarship quotas,
  - o B. Computer Engineering – 8 scholarship quotas,
  - o B. Information & Communication Engineering – 2 scholarship quotas,
  - o B. Electrical & Electronics Engineering – 2 scholarship quotas,
  - o B. Civil Engineering for Diploma Holders – 2 scholarship quotas.
- **Eligibility:**
  - ➢ Must appear in a separate Province Scholarship Entrance Test (as per nec rules).
  - ➢ Must have passed +2 / Equivalent from governmental / social academic institution. Students receiving full scholarship for +2 are also eligible.
  - ➢ Priority will be given to the students who have studied from 6 – 10 grades in governmental schools (as per PU rules).
  - ➢ Selection based on rank in the Province Scholarship entrance test.
- **Coverage:** Community Scholarship Scheme.(Refer b,d)

4. *nec* - Entrance Test-Based Scholarships

i) *nec* Entrance Topper Scholarship

- **Eligibility:** Overall topper of the first nec entrance test.
- **Coverage:** 100% scholarship (excluding Pokhara University/Engineering Council charges).(b,e)

ii) Special Scholarship Packages for 2025 (Provided on the occasion of 31 years of nec establishment)

- ➢ Scheme I:
  - o B. Architecture – 15 scholarship quotas,
  - o B. Civil Engineering – 48 scholarship quotas,
  - o B. Civil & Rural Engineering – 19 scholarship quotas,
  - o B. Computer Engineering – 32 scholarship quotas,
  - o B. Information & Communication Engineering – 19 scholarship quotas,
  - o B. Electrical & Electronics Engineering – 19 scholarship quotas,
  - o B. Civil Engineering for Diploma Holders – 19 scholarship quotas.
- ➢ Scheme II:
  - o B. Architecture – for remaining seats,
  - o B. Civil Engineering – for remaining seats,
  - o B. Civil & Rural Engineering – for remaining seats,
  - o B. Computer Engineering – for remaining seats,
  - o B. Information & Communication Engineering – for remaining seats,
  - o B. Electrical & Electronics Engineering – for remaining seats,
  - o B. Civil Engineering for Diploma Holders – for remaining seats.

5. Merit Scholarships (Semester-Based)

- **Eligibility:** Topper in each semester (1 topper per 48 students, per program).
- **Coverage:** Full waiver of tuition fees (excluding university fees).(Refer f)

6. Local Community & Neighborhood Scholarships

i) For Changunarayan Municipality – Ward No. 1, 2, 3, and 4

- **Seats per Ward:** 1 full (100%) + 2 partial (50% tuition fee) scholarships.
- **Requirements:**
  - ➢ Recommendation letter from the respective Ward Office.
  - ➢ Selection based on rank in the nec Entrance Test.

ii) For Kageshwori Manohara Municipality – Ward No. 6 & 7 (Earlier Mulpani VDC)

- **Seats (Combined):** 1 full (100%) + 2 partial (50% tuition fee).
- **Requirements:**
  - ➢ Recommendation letter from the respective Ward Office.
  - ➢ Top 3 scorers in nec entrance test among applicants from these wards:
- **Coverage:**(b,d)
  - ➢ 1st Rank: 100% scholarship.
  - ➢ 2nd & 3rd Rank: 50% scholarship each (tuition fee only).

7. Founder Member & CSR Scholarships

i) Founder Member Recommendation

- **Seats:** 2 full (100%) scholarships.
- **Eligibility:** Must be officially recommended by any Founder Member of ***nec***.

ii) Changunarayan Municipality Recommendation

- **Seats:** 5 full (100%) scholarships.
- **Eligibility:** Recommendation by Changunarayan Municipality.
- **Selection:** Based on nec entrance test performance.(Refer b,d)

8. Scholarships for Offspring's of *nec* Faculty/Staff

- **Eligibility:** Children of nec staff or faculty who have served the college for minimum 5 years as a permanent faculty or staff.
- **Coverage:**(Refer b,g)
  - ➢ 1 offspring each: 100% scholarship (for faculty and staff).
  - ➢ Additional offsprings: 75% scholarship (for rest faculties and staff).
- **Conditions:**
  - o Selection based on nec entrance test performance.
  - o Must apply after official notice from the college.
  - o Subject to college rules and regulations.

General Notes & Instructions

1. All applicants must participate and pass in the nec entrance test.
2. Recommendation letters (where required) must be submitted to the College Administration Office at the time of application.
3. Scholarships exclude Pokhara University charges, Security deposit and Survey Camp charges (for Civil, Civil & Rural and Civil for Diploma Holders program) unless otherwise mentioned.
4. Selection and continuation of scholarships are subject to academic performance and compliance with college rules.
5. **Recipient of one scholarship is not eligible to claim any other scholarship.**

Consolidated Notes

a. Selection and allocation strictly follow PU guidelines.
b. As per nec rules.
c. As per Pokhara University rules.
d. Pokhara University/Engineering Council charges will be applicable.
e. For eligibility and detailed information, please refer Fee Structure – 2025.
f. The topper of each semester receives the scholarship in the next semester; no scholarship is awarded for the final semester.
g. For detailed information, please contact the account section.

Other Scholarships

Other scholarships instituted by donors, awarded to deserving students are:

- Shree Aashis Smriti scholarship instituted by Aashis Smriti Foundation: Rs. 2,500/- in tuition fee awarded to one deserving student in Civil Engineering.
- Shree P. K. Mainalee scholarship instituted by Ar. Padma Kumar Mainalee, an alumni of nec: Rs. 500/- per month to one deserving student in Architecture.
- Shree WAMDEO scholarship instituted by Prof. S. V. Sahashrabudhe from Pune, India: Rs. 1,800/- per year to one deserving student in Architecture.

Awards

- Chairman's Pride Gold Medal is awarded to one deserving student determined to be the overall undergraduate topper of the college.
- Subject awards are given to highest scoring students. The award consists of a certificate and a cash reward
- Program topper awards will be awarded to one topper student in each undergraduate program.

Fee Structure-2025

SN	Program	Standard Fee/ Existing Fee (NRs)*	Community Scheme (NRs)*	Scheme I (NRs)*	Scheme II (NRs)*
1	**B. Architecture** (5 Year Course)	**1,144,500.00**	**6,29,475 /-** (04 Seats)	**7,43,925/-** (15 Seats)	**8,01,150/-**
2	**BE Civil** (4 Year Course)	**941,500.00**	**5,17,830 /-** (12 Seats)	**6,11,980/-** (48 Seats)	**6,59,050/-**
3	**BE Computer** (4 Year Course)	**941,500.00**	**5,17,830/-** (08 Seats)	**6,11,980/-** (32 Seats)	**6,59,050/-**
4	**BE Civil & Rural** (4 Year Course)**	**941,500.00**	**4,23,680/-** (02 Seats)	**4,70,755/-** (19 Seats)	**5,00,755/-**
5	**BE Electrical & Electronics** (4 Year Course)**	**941,500.00**	**4,23,680/-** (02 Seats)	**4,70,755/-** (19 Seats)	**5,00,755/-**
6	**BE Information & Communication** (4 Year Course)**	**941,500.00**	**3,29,530/-** (02 Seats)	**3,76,605/-** (19 Seats)	**4,06,605/-**
7	**BE Civil for Diploma Holders** (4.5 Year Course)	**1,038,225.00**	**5,68,525/-** (02 Seats)	**6,22,850/-** (19 Seats)	**6,52,850/-**

****Terms & Condition apply.* | ***Fee Structure under revision.*

Girls' Hostel Expenses

The cost of a double occupancy accommodation, inclusive of room rent, water and sanitation, is Rs. 9,000/- plus Rs. 100/- towards admission (sub-total Rs. 9,100/-) per student per semester. In addition the student has to pay security deposit (refundable) of Rs. 2600/- at the time of hostel admission. The actual cost of electricity is payable each month by the students. Students are provided a cot, a cupboard and one set of study table and chair. They need to bring mattresses, quilts/blankets, bed linen and pillow cover and other clothing on their own.

Transportation Cost

Students intending to use the college transport must buy a semester bus pass upon payment of Rs. 8,000/-. The bus pass must be availed within two weeks of date of commencement of regular classes in each semester.

Rules applicable for the Payment of Fees

The general rules applicable for the payment of fees are as under:

i. The stated fee structure is applicable for the intake of academic year 2025. All fees are subject to changes without prior notice.
ii. Fees once paid are non-refundable, except the refundable deposits and the tuition fees paid in advance.
iii. Semester fees must be paid before beginning of each semester.
iv. Students must re-register before the commencement of each Semester. Students will not be allowed to take classes before re-registration.

Terms & Conditions for Fee Structure - 2025 :

Scholarship & Scheme Opportunities

1 ***nec* Entrance Topper Scholarship:** The nec Entrance Test 2025 (to be held on Shrawan 31, 2082) topper receives a full fee waiver (excluding University/ Engineering Council Charges for all programs & Study tour/ Survey/ Geology Camp Fee) .
2 **Scheme 1:** Available for students with ≥3.3 GPA / 70% in +2/A-level/Diploma and an entrance score of ≥45 marks.
3 **Scheme 2:** Available for students passing nET-2025 & not covered by Scheme 1.
4 **Community Scheme:** For the admission under this scheme students must appear a Province Scholarship Entrance Test which shall be scheduled by the college later. To be eligible to appear the entrance test, student must have passed +2 or equivalent from governmental / social academic institution. Student receiving full scholarship in +2 are also eligible. Priority will be given to the students who have studied grade/class 6 – 10 from governmental schools (as per PU rules), Selection shall be done based on the rank in the Province Scholarship entrance test(as per ***nec*** rules).
5 **Financial Policies Exclusions:** All mentioned Schemes do not cover refundable Security Deposit, the University/Engineering Council Charges & Study tour /field visit Survey/Geology Camp Fee.
6 **Fee Adjustments:** Students shall have to bear any increases in Pokhara University's affiliation, registration, or examination fees during their study.
7 **Activity Costs:** Costs for industrial placements, internships, and study tours/field visits are the student's responsibility.
8 **Security Deposit Refund:** Your Security Deposit is refunded after study completion.
9 Advance Payment Discount: Provision of 10% rebate on admission and total tuition fees is made if all the scheduled fees are paid at the time of admission.
10 **SAARC Students:** Fees can be paid in US $ equivalent to Nepali Currency.

Please feel free to visit us for detail information.

Disciplinary **Code**

Students' Responsibility

Students admitted to the college are expected to adhere to the disciplinary code of conduct prescribed by the college, as stated here under:

i. The students must fulfill the obligation to discharge their duties with diligence, fidelity and honor.

ii. Student must have their own laptop during the computer lab class.

iii. Maintain socially acceptable standards of morality.

iv. Show proper respect and courtesy to seniors, teachers and staff, on or off the campus, at all times.

v. Contribute to maintaining peace and harmony and learning environment in the college.

vi. Be clean and tidy and follow the prescribed college dress codes.

vii. Strictly adhere in the obligations not to:

- Disturb the peace nor to .destroy, damage or remove the college property
- Indulge in violence in any form, nor to pick up arguments with strangers
- Possess, consume and distribute harmful chemicals and substances, including alcohol and narcotics;

viii. Student must realize that violation of the prescribed codes, in any form, may be sufficient reason to bar their entry to the college or even terminate their admission in the college.

Loss or Damage Made by Student(s)

Students found responsible for the loss or damage of the college property, individually or in groups, is/are liable to pay full damage. Losses can be recovered from his/her security deposit if it covers, if it does not cover, it will be recovered by legal procedure as per government regulations.

Termination / Suspension or Expulsion

A student may be asked to leave the college for good, or may be suspended for one or more semesters, for any or more of the following reasons:

- College can reconsider to de-register the registration if the student doesn't clear at least 60% subjects at the end of fourth semester.
- When his/her conduct is unsatisfactory.
- When his/her ability to fulfill the academic requirements prove unsatisfactory.
- When his/her academic performance is unsatisfactory.
- When payment of fees are not paid within the prescribed due dates.
- When s/he is found participating in activities or acts which are prejudicial.
- When suitable response is not made by his/her parents/guardians to the communication sent by the college or when parents/guardians withdraw their wards in writing.
- When the information provided in the application for admission is found incorrect.
- When his/her activities are found detrimental to the interest of the college.
- When s/he is disobedient or disrespectful towards the faculty members.
- When found consuming alcohol, drugs and narcotics and indulging in gambling or other immoral acts.

Declaration by the students

The students have to sign the following declarations before admission. They should follow strictly the terms as declared during his/her study period.

- All the personal information about father/mother and local guardian and their contact numbers provided by me are correct.
- I got admission in ***nec*** after being well informed about the details of the total fee to be paid to ***nec*** and I will pay all college dues accordingly in time.
- During the period of my study, I will abide by the disciplinary rules of the college and I will not cause damage to any property of the college, failing which I am liable to be penalized, expelled or suspended from the college and fined according to the damages caused.
- If the academic or other certificates submitted by me are found to be false, my admission would be automatically made null and void and I agree to forfeit all the amount paid at the time of admission.

Admission Cancellation

1. **Application Process:** Requests for admission cancellation must be submitted in writing by the parent, guardian, or student.

The application must:

- Clearly state the authentic reason for cancellation.
- Be accompanied by supporting documents.
- Be addressed to the Principal and submitted to the College Administration.

2. **Special Cases**
   - **For students receiving Scholarship:** If any admitted student obtains a full scholarship from other universities including Pokhara University Scholarship, the total fee deposited will be refunded after deducting NRs. 2,000 (with valid documents).
3. **Cancellation before the start of the Academic Session (2025 Intake) (Applies only upon submission of valid proof)**
   - Within 15 days of admission: Refund of total fee deposited after deducting NRs. 15,000 as processing and periodic charges.
   - 16th day onwards of admission, up to one day before the session start date (as per nec notice): Refund of total fee deposited after deducting NRs. 30,000 as processing and periodic charges.

Note: *This does not apply to students who join at the last moment, as the days mentioned above will not be considered in such cases.*

4. **Cancellation after the start of the Academic Session (2025 Intake)**
   - From the start of the session until one week before the first PU registration date (as per Pokhara University notice for the 2025 intake): Refund of the total fee deposited after deducting NRs. 50,000 as processing and periodic charges.
5. **Cancellation in Other Cases:** Only the following amounts will be refunded:
   - Security deposit: NRs. 15,000
   - Survey/Geology Camp fee (only for BE Civil, BE Civil & Rural, and BE Civil for Diploma Holders): NRs. 30,000

Note: *These amounts will be refunded only if they were paid during admission.*

6. **Documents Requirement**
   - Students must complete all required documentation of the +2 (or equivalent) at the time of admission.
   - Submission of fake or forged documents will result in forfeiture of the entire amount paid, with no refund granted.
7. **Authority & Amendments:** The College Management reserves the right to:
   - Amend, modify, or add to the disciplinary codes and admission policy without prior notice.

New **Admissions**

Admission to Bachelor Level Programs

nec will be admitting a maximum of 528 students (including all quotas) in the first year in the following Bachelor level programs for the academic year 2025.

Bachelor Degree Courses

Course	Total Seats
B. Architecture	48
B. E. (Civil)	144
B. E. (Computer)	96
B. E. (Information & Communication)	96
B. E. (Electrical & Electronics)	48
B. E. (Civil & Rural)	48
B. E. (Civil) for Diploma Holders	48
Total	**528**

Eligibility

The students seeking admission to the Bachelor level programs must have completed Higher Secondary (10+2) with Science (Physical & Bio-group) obtaining minimum C Grade in Physics, Chemistry and Math (PCM) or Diploma in Engineering or equivalent from a recognized institution securing at least second division marks with mathematics (100 marks or 3 credit hours) as one of the subjects.

The students seeking admission to BE (Civil) for Diploma Holders program must have completed certificate (Diploma) level course in any Engineering or Architecture from a recognized institution securing at least second division marks.

Admission Procedure

Nepalese Students

The admission granted to the Nepalese students shall be merit based, evaluated on the basis of their performance in ***nec*** Entrance Test **(*n*ET-2025).** The entrance test will be paper based on multiple choice questions covering different areas mentioned in the table below:

Course	Percent
Physics	30
Chemistry	20
Mathematics	40
English	10
Total	**100**
Aptitude Test for B. Arch	20

Foreign Students

Foreign students may be granted admission based on the academic scores in the qualifying examination and /or interview. They should submit application, along with all necessary credentials, addressed to the Principal of ***nec***.

B. E. Civil for Diploma Holders Program:

nec Entrance Test (*n*ET- BDH - 2025)

The Entrance Test will be paper-based with multiple-choice questions covering the above subjects. Admission will be granted on merit-based performance of the candidates in the entrance test and the number of years of related work experience.

Syllabus for entrance test will be as follows:

S.N	Subject	Marks	Time
1	Physics	30	Total 2 Hours
2	Chemistry	15	
3	Mathematics	40	
4	Strength of Material & Theory of Structures	30	
5	Surveying	30	
6	Building Materials and Construction	30	
7	English	25	
	Total	**200**	

Admission to Masters' Level Programs

Admissions to Masters' level programs shall be in accordance with the academic qualifications and admission procedures prescribed for the specific courses. Prospective students are advised to contact the college administration for the needed details. Admission related informations are also available in the information brochure of ***nec***-CPS.

Master Degree Courses

Course	Total Seats
M. Sc. (Construction Management)	30*
M. Sc. (Natural Resource Management)	30
M. Sc. (Inter Disciplinary Water Resource Management)	30
M. Sc. (Transportation Engg. & Management)	30
Total	**120**

Biannual Intake

nec Entrance Test (**nET - 2025**) for various programs at Changunarayan Campus, ***nec***-BDH Campus and ***nec***-CPS Campus will be held at different dates. Visit ***nec.edu.np*** for relevant information or contact us after you apply

How to Get Admission?

STEP 1

Think about what you really want to know - not just about your course, but about future prospects! Call the given helpline numbers or email us for your queries. You can also schedule meeting with our college representative to clarify any doubts.

info@nec.edu.np
01-5221006

STEP 2

Fill up the admission form with at most 3 preferred programs (BE or B. Arch) and appear for the ***nec*** Entrance Test 2025 (nET-2025).
Visit www.nec.edu.np for your nET 2025 result and verify your name in the merit list and program. There will be separate entrance test for M.Sc. and BE Civil for Diploma Holders.

STEP 3

Successful candidates can take admission by verifying their documents and depositing the admission fee. In case your name doesn't appear under the preferred program, you can still take the admission in the program where you have been qualified and submit an application to transfer your name to your preferred program. If someone takes admission in his/her preferred program, the cancellation of admission will be governed by admission cancellation rules of the college.

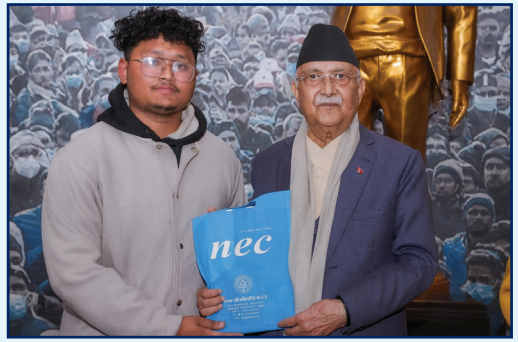
STEP 4

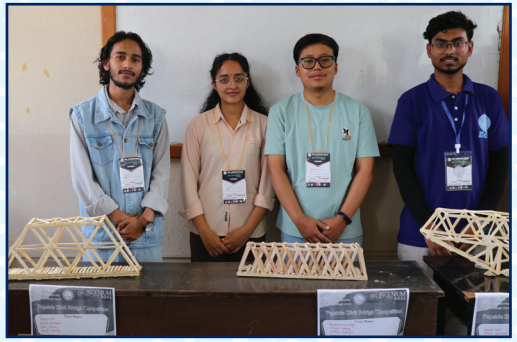
(Applicable for program transfer applicants)In case the student doesn't get transferred to the desired program, he/she might choose to stay in the admitted program or can cancel the admission with full refund with in 10 days.

Note: *Information provided in this prospectus is for reference purpose. In case of ambiguity and confusion, official documents issued by the college prevails.*

Activities & **Educational Tours**

Academic Activities





www.nec.edu.np

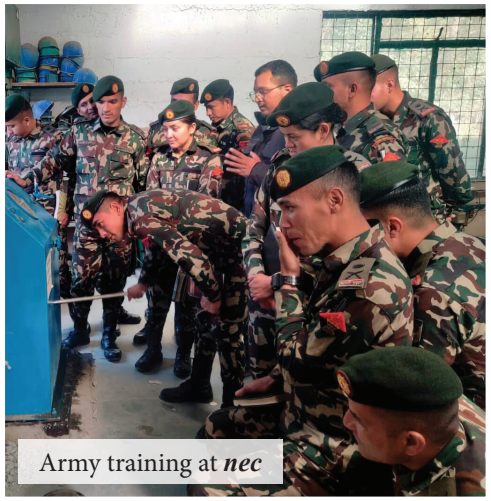
Academic Activities

Educational Tours

www.nec.edu.np

Sports Activities

Undergraduate Seminar 2020 Batch


Army training at ***nec***

Other Activities

nec Management Committee

Principal
Assoc. Prof. Durgaprasad Bhandari

Vice Principal
Assoc. Prof. Mohan Dhoj K.C.

Acting Director, *nec* - CPS
Assoc. Prof. Robert Dongol

HoD, Architecture, Applied Science & Humanities
Assoc. Prof. Anil Kumar Regmi

HoD, Electronics & Communication, Electrical & Electronics
Assoc. Prof. Sachin Shrestha

HoD, Civil, Civil & Rural
Assoc. Prof. Sanjay Kumar Kawan

HoD, Computer Science & Engineering
Asst. Prof. Anshu Ghimire

Co-ordinator, *nec*-BDH
Assoc. Prof. Ramesh Gnawali

Chief Administrator
Mrs. Shreema Sharma

Chief, Construction and Maintenance
Asst. Prof. Sushil Adhikari

Chief-Exam Division
Asst. Prof. Samjhana Shrestha

Chief, Student Welfare & Extra Curricular Activities Division
Asst. Prof. Bishnu Prasad Bhandari

Chief-ICT, Media Relation Officer
Asst. Prof. Ashish Kumar Jha

Library Incharge
Mrs. Sumitra Shakya

Store Incharge
Mr. Laxman Basnet

Representative (*nec*-DEPAN)
Asst. Prof. Ramesh Kumar Pudasaini

Representative (*nec*-Progressive P.A.)
Assoc. Prof. Dr. Dibangar Khoteja

Representative (*nec*-Karmachari Sangh)
Mr. Shreeram Khanal

Representative (*nec*-Swakasa)
Mr. Rishi Ram Neupane

Faculty Members

Department of Civil Engineering

Associate Professors

Mohan Dhoja K.C. *(NEC reg. 4767 Civil)*
(Vice Principal)
PhD Scholar, IoE, TU
M. Sc. (Transportation Engineering & Management), nec, PU, 2013
M.A. (Sociology and Anthropology), TU, 2008
BE (Civil), IoE, Pulchowk Campus, TU, 2006
Research Interest: Highway Safety

Sanjay Kumar Kawan *(NEC reg. 4650 Civil)*
(Head of Department)
M.E. (Earthquake Engineering), Khwopa Engineering College, PU, 2018
BE (Civil), Khwopa Engineering College, PU, 2005
Research Interest:
GIS

Ram Sthapit *(NEC reg. 368 Civil)*
M.Sc. (Civil Engineering), Makeeyvka Civil Engineering Institute, Ukraine, 1991
P.G. Course in Earthquake Engineering, Macedonia, 1997
Research Interest:
Detail Design of Building Structures

Rosina Mali
M.Sc. (Geology), Tribhuvan University, 1996
Research Interest:
Engineering Geology, Geohazared

Ramesh Khanal *(NEC reg. 460 Mechanical)*
M.Sc. (Industrial Management), UPM (Spain), POLIMI (Italy) & KTH (Sweden), 2008
BE (Mechanical), IoE, Pulchowk Campus, TU, 2003
Research Interest:
Waste Water Treatment Technology, Life Cycle Assessment

Ajay Khadka *(NEC reg. 5598 Civil)*
M.Sc. (Construction Mgmt.), nec, PU, 2018
BE (Civil), nec, PU, 2007
Research Interest:
Earthquake Engineering

Dibyashree Lohani Poudyal *(NEC reg. 4050 Civil)*
(Member RMC)
PhD, KLUST, Malaysia, 2025
M.Sc. (Structural Engineering), IoE, Pulchowk Campus, TU, 2010
BE (Civil), nec, Pokhara University, 2004
Research Interest:
Response Analysis, Structural Design

www.nec.edu.np

Associate Professors

Raghu Nath Prajapati *(NEC reg. 4441 Civil)*
PhD, KLUST, Malaysia, 2025
M.Sc. (Water Resource Engineering),
IOE - Pulchowk, TU, 2011
BE (Civil), Khwopa Engineering College, PU, 2005
Research Interest:
GIS, Hydrological Modelling

Dr. Dibangar Khoteja *(NEC reg. 4285 Civil)*
Ph.D. in Geotechnical Engineering, Huazhong University of Science and Technology, 2022
M.Sc. (Geotech Engineering), IoE, Pulchowk Campus, TU, 2012
BE (Civil), IoE, Pulchowk Campus, TU, 2005
Research Interest:
Treatment of Clay

Bibhuti Ojha *(NEC reg. 5503 Civil)*
M.Sc. (Water Engineering Management), AIT, Thailand, 2013
BE (Civil), nec, PU, 2007
Research Interest:
Waste Water Treatment Technology, Water Security, Climate Smart Agriculture, Circular Economic, LCA

Sunil Khyaju *(NEC reg. 6472 Civil)*
M.Sc. (Transportation Engineering), IoE, Pulchowk Campus, TU, 2012
BE (Civil), IoE., Pulchowk Campus, TU, 2010
Research Interest: Traffic Modelling & Simulation

Ramesh Gnawali *(NEC reg. 5700 Civil)*
(nec- BDH Co-ordinator)
M.Sc. (Structural Engineering), IoE, Pulchowk Campus, TU, 2011
BE (Civil), TU, 2009
Research Interest:
Shear Strengthening and Nonlinear Finite Element (NLFE) Analysis of RC Structures, BIM

Assistant Professors

Ramhari Shrestha *(NEC reg. 7324 Civil)*
M.E. (Earthquake Engineering), Khwopa Engineering College, PU, 2015
BE (Civil) nec, PU, 2011
Research Interest:
Earthquake Engineering, (Seismic Risk Analysis, Seismic Loss Estimation), GIS Based Seismic Risk Analysis

Prem Prakash Aryal *(NEC reg. 985 Mechanical)*
M. Sc. (Climate Change & Development), IoE, Pulchowk, TU, 2017
BE (Mechanical), IoE, Pulchowk Campus,TU, 2009
Research Interest:
Energy , Environment and Climate Change

Sushil Adhikari *(NEC reg. 7519 Civil)*
(Chief Construction and Maintnance Division)
M.E. (Earthquake Engineering), Khwopa Engineering College, PU, 2017
BE (Civil), KEC, TU
Research Interest :
Response of ground motion in Structure

Binay Shakya *(NEC reg. 7449 Civil)*
M.Sc. (Water Resources Engineering),
Katholieke University Leuven, Belgium, 2016
BE (Civil), nec, PU, 2010
Research Interest:
Surface and Groundwater Hydrology, River Analysis

Assistant Professors

Umesh K.C. *(NEC reg. 7311 Civil)*
ME (Earthquake Engineering), Khwopa Engineering College, PU, Nepal, 2018
BE (Civil Engineering), nec, PU, Nepal, 2010
Research Interest:
Soil liquefaction analysis and mitigation methods, Cost effective ground improvement techniques, Chemical grouting

Amrendra Swarnakar *(NEC reg. 14468 CIVIL)*
M.E. (Structural Engineering), JNTUK University, India, 2020
B. Tech (Civil Engineering), JNTUK University, India, 2016
Research Interest:
Steel Structures, Plate and Shell, BIM with AR including Rectrofitting

Rajiv Manandhar *(NEC reg. 7824 Civil)*
M.Sc. (Structural Engineering), IoE, Pulchowk Campus, TU, 2014
BE (Civil), IoE, Pulchowk Campus, 2011
Research Interest :
Buildings and Bridges

Tejeshwini Singh *(NEC reg. 11908 Civil "A")*
MTech (Geotechnical and Geo-environmental Engineering), IIT-Delhi, 2019
BE (Civil), Jamia Millia Islamia Central University, India, 2015
Research Interest:
Green Building, Geo-environmental Engineering, Site Investigation

Bishwo Ram Khatri *(NEC reg. 8417 Civil)*
M.Sc. (Construction Management),nec,PU,2020
BE (Civil) nec,PU, 2012
Research Interest:
Construction Safety

Prakash Bashyal *(NEC reg. 3088 Mech)*
MTech (Production Engineering), Shimla University, 2018
BTech (Mechanical Engineering), Shimla University, 2016
Research Interest:
FEA/FEM, Tribological Design, Design and optimization of machine element

Arun Satyal *(NEC reg. 1308 Mech)*
PhD (Precision Engineering), Nanyang Technological University, Singapore, 2019
BE (Mechanical Engineering), Kathmandu University, 2012
Research Interest:
Precision Engineering, Industrial Manufacturing, Industrial Automation

Sabir Baidya *(NEC reg. 5485 Civil)*
M.Sc. in Construction Management, 2015, PU
BE Civil, 2007, PU
Research Interest:
Construction Management of Housing Project

Anu Awal *(NEC reg. 12905 Civil)*
M.Sc. in Water Resource Engineering, TU, 2021
BE (Civil Engineering), Khwopa College of Engineering,TU, 2015
Research Interest:
Hydraulics and Hydrological Studies, Simulation and Modelling of different hydraulic Structures

Junior Professors

Nirmala Bokati *(NEC reg. 11282 Civil)*
M.Sc. (Geotechnical Engineering), IoE, Pulchowk Campus, TU, 2019
B.E (Civil), Kantipur Engineering College ,TU, 2014
Research Interest :
Rock slope stability

Assistant Instructors

Anju Khoteja
Diploma in Mechanical Engineering, IoE, Thapathali Campus, T.U., 2010

Junior Instructors

Sushil Shrestha
Diploma in Mechanical Engineering, Tribhuvan University, 2013

Prabhakar Bist
Diploma in Civil Engineering, CTEVT Nepal, 2013

Bikash Shrestha
Diploma in Civil Engineering, CTEVT Nepal, 2021

Department of Architecture

Professor

Deepak Panta *(NEC reg. 239 Architecture)*
B.Arch. 1991 (NCA, Lahore Pakistan.)
M.Sc. in Urban Ecological Planning 2002 (NTNU Trondheim, Norway.)
Research Interest:
Historic Settlements and Building Preservation.

Associate Professors

Anil Kumar Regmi *(NEC reg. 346 Architecture)*
(Head of Department)
M.Sc. (Construction Management), Pokhara University, 2008
B.Arch., *nec*, Pokhara University, 2005
Research Interest:
Construction Management, Land Development

Krishna Prasad (Shrestha) Bhuju *(NEC reg. 1400 Civil)*
M.Arch., Saint Petersburg State University of Architecture & Civil Engg. Russia, 1996
Research Interest:
Landscape Architecture, Interior Design

Yojana Tuladhar *(NEC reg. 97 Architecture)*
M.Arch., The Odessa State Academy of Civil Engg. And Architecture, Ukraine, 1996
Research Interest:
Landscape Architecture

Nhasala Sayami *(NEC reg. 74 Architecture)*
M.Sc. (Urban Planning), IoE, Pulchowk Campus, T.U., 2010
B.Arch., *nec*, Tribhuvan University, 2001
Research Interest:
Urban Planning, Urban Change,
Landscape Architecture

Ram Prasad Suwal *(NEC reg. 535 Architecture)*
M. Sc. (Urban Design & Conservation), Khwopa Engineering College, PU, 2012
B.Arch., Khwopa Engineering College, PU, 2006
Research Interest:
Heritage Conservation and Vernacular Settlement Studies

Sankalp Pokhrel *(NEC reg. 609 Architecture)*
M.Arch., Russian Peoples' Friendship University, Russia, 2004
B.Arch., Russian Peoples' Friendship University, Russia, 2002
Research Interest:
Heritage Conservation, Traditional Architecture

Shyam Sunder Kawan *(NEC reg. 471 Architecture)*
(On Study Leave)
M. Sc. (Urban Planning), University of Hong Kong, Hong Kong, 2012
B.Arch., Khwopa Engineering College, Purbanchal University, 2006
Research Interest:
Urban Design, Built Environment

Assistant Professors

Samjhana Shrestha *(NEC reg. 627 Architecture)*
(Chief - Exam Division)
M. Sc. Engineering (Disaster Risk Management), IoE, TU, 2016
B. Arch. , Kathmandu Engineering College, TU, 2009
Research Interest:
Sustainable Architecture

Sharada Poudel *(NEC reg. 1096 Architecture)*
M. Sc. (Urban Planning), IoE , T.U., 2014
B. Arch, IoE , T.U., 2012
Research Interest:
Sustainable Architecture and Urban Planning

Rujula Tamrakar *(NEC reg. 741 Architecture)*
M. Sc. (Urban Design & Conservation), Khwopa Engineering College, PU, 2014
B.Arch., Khwopa Engineering College, PU, 2010
Research Interest:
Urban Design & Conservation

Usha Mandal *(NEC reg. 15 Architecture)*
M. Sc. (Urban Design & Conservation), Khwopa Engineering College, PU, 2015
B.Arch., *nec*, Tribhuvan University, 2001
Research Interest:
Settlement Development and Conservation

Pujita Upadhyaya *(NEC reg. 603 Architecture)*
M. Sc. (Urban Design & Conservation), Khwopa Engineering College, PU, 2015
B.Arch., *nec*, Pokhara University, 2008
Research Interest:
Conservation

Sweta Amatya (Shrestha) *(NEC reg. 689 Architecture)*
(Member RMC)
M. Sc. Engineering (Disaster Risk Management), IoE, TU, 2013
B. Arch. , Kathmandu Engineering College,
TU, 2009
Research Interest:
Disaster Risk Management, Urban Context

Rakshya Rayamajhi *(NEC reg. 605 Architecture)*
MSc (Monumental Heritage) Hochschule Anhalt, Dessau, Germany, 2012
BArch , *nec*, Pokhara University, 2008
Research Interest:
Sustainable architecture, vernacular architecture, adaptive reuse, traditional building methodology

Raghav Syangadan *(NEC reg. 1922 Architecture)*
MSc (Human Settlement) Khulna University, Khulna, Bangladesh, 2018
BArch, Khulna University, Khulna, Bangladesh, 2016
Research Interest:
Urban and rural settlement planning, informal settlement up-gradation, community based tourism.

Krishna Ram Bhandari *(NEC reg. 1453 Architecture)*
Master of Science in Energy for Sustainable Social Development, Pulchok Campus, 2019.
Bachelor of architecture, *nec*, PU 2014
Research Interest:
Sustainable Construction Technology, Sustainable Housing.

Bishow Shakya *(NEC reg. 211 Architecture)*
M.Sc. Engineering Management PU, Nepal, 2018
B. Architecture, Pokhara University, Nepal,2004
Research Interest:
Traditional Architecture, Culture

Department of Computer Science & Engineering

Associate Professors

Sundar Kunwar *(NEC reg. 1211 Computer)*
M.Sc. in Software Development, Finland, 2013
BE (Computer), Advanced College of Engineering and Management, T.U., 2006
Research Interest:
Humanoid Robotics, Agile Software Development

Assistant Professors

Anshu Ghimire *(NEC reg. 294 IT)*
(Head of Department)
M.Tech (Computer Science & Engineering), Visvesvaraya Technological University, Karnataka, India 2012
BE (Information Science), Visvesvaraya Technological University, Karnataka, India, 2010
Research Interest:
Image Processing

Jeet Bahadur Bohara *(NEC reg. 2467 Computer)*
M.Sc. (Information Technology), University of Madras, India, 2009
AMIE (Computer), India, 2005
Research Interest:
Artificial Intelligence, Computational Linguistics
Numerical Analysis of Engineering Problems

Krishna Bikram Shah
(Member RMC)
Ph.D. Scholar, SMIT, SMU, Sikkim, India
M.Tech. (Computer Science and Engineering), SMIT, SMU, India, 2012
M.C.A. (Masters of Computer Application), SMIT, SMU, India, 2007
B.Sc. (Software Systems), North Bengal University, India, 2004.
Research Interest:
Artificial Intelligence, Machine Learning, RS-GIS, Bioinformatics, SWM

Bishwadeep Mainaly
M. Tech (Computer Science and Engineering), SMIT, SMU, India, 2015
BE (Computer Science and Engineering), Anna University, Chennai, India, 2012
Research Interest:
Cloud Robotics, Internet of Things

Ashish Kumar Jha *(NEC reg. 3495 Computer)*
(Media Relation Officer)
M. Tech (Computer Science - Networking)
Sharda University, India, 2017
BE (Computer Science & Engineering), T.U. 2013
Research Interest:
IoT, Machine Learning, Image Processing, Pattern Recognition

Madan Raj Upreti
M.Sc. Computer Science
South Asian University, India, 2017,
B.Sc. CSIT, Tribhuvan University, Nepal, 2013
Research Interest:
Real Time System, Cyber Physical System, Design and Analysis of Algorithm, Computer Network

Assistant Professors

Dipak Kumar Chaudhary *(NEC reg. 2727 Elx & Comm)*
M.Sc. Information System Engineering, PU, Nepal, (***Running***)
M.Sc. Renewable Energy Engineering, TU, Nepal, 2012
BE Electronics & Communication Engineering, TU, 2010
Research Interest:
OOSD, Energy Economics, Numerical Analysis, Instrumentation System, DSP, Solar PV

Tara Chandra Shrestha *(NEC reg. 2490 Computer)*
M. Tech Networking and Cyber Security, Sharda University, India, 2020
Bachelor in Computer Engineering, PU, Nepal, 2011
Research Interest:
Network and Communication, Cyber Security, ML and AI

Gobinda Subedi
M.Sc. IT, Sikkim Manipal University, India, 2015
B.Sc. CS, Tribhuvan University, Nepal, 2003
Research Interest:
Algorithm Bias in AI, Sentiment Analysis in Text

Santosh Bhattarai *(NEC reg. 1544 Computer)*
Master of Science Computer Engineering
Research Interest:
Cloud Computing, Programming

Sudarshan Subedi *(NEC reg. 5649 Computer)*
MSc. In Computer Science, Pokhara University
BE Computer Engineering, TU, Nepal, 2017
Research Interest:
Machine learning, Deep Learning, Computer Vision

Prem Bahadur K.C.
BE in Computer Engineering (*nec*, Pokhara University) ,2013
M.Sc. in Information Systems Engineering (Acme college, Purbanchal University), 2021
Research Interest:
Machine Learning, Data Science, Blockchain Technology, Computer Programming

Susant Bhujel
M.Sc, Information and Communication, TU, 2022
Research Interest:
Wireless Communication, Machine Learning, Networking

Junior Professor

Mahesh Pujara
MSC CSIT, TU (2024)
BSC CSIT, Far-western University (2018)
Research Interest:
Machine Learning, Computer Programming

Alisha Shrestha *(NEC reg. 8518 Elx & Comm)*
ME (Computer Engineering), Pokhara University (2024)
BE (Electronics and Communication Engineering), PU, *nec* (2019)
Research Interest:
Image Processing

Pranita Tamang
MSC CSIT, TU (2024)
BSC CSIT, TU (2018)
Research Interest:
Software Engineering

Department of Electronics & Communication Engineering

Associate Professors

Durgaprashad Bhandari *(NEC reg. 98 Elx & Comm)*
(Principal)
Ph.D Scholar, Industrial Technology , UPCT Spain
M. Sc. (Information & Communication Engineering), IoE, Pulchowk Campus, T.U., 2011
B.E (Electronics), Nagpur University, India, 1998
Research Interest:
Sensor design, Energy poverty, VLSI.

Sachin Shrestha *(NEC reg. 1396 Elx & Comm)*
(Head of Department)
PhD Scholar
M. Sc. (Information & Comm. Engineering), IoE, T.U., 2012
B. E. (Electronics & Communication Engineering), KEC, TU, 2007
Research Interest:
Low Powered Embedded System Design, Biomedical Signal Processing, ICT for disability.

Ganesh Adhikari *(NEC reg. 283 Elx & Comm)*
PhD Scholar
M.E. (Computer Engineering), NCIT, PU, 2017
BE (Electronics & Communication Engineering), A.I.T. Engineering College, KUVEMPU University, India, 1995
Research Interest:
Instrumentation System, Logic Circuits, Computer Graphics, IP Routing & Switching.

Rupesh Dahi Shrestha *(NEC reg. 736 Elx & Comm)*
M.Sc. (Information & Comm. Engineering), **IoE**, Pulchowk Campus, T.U., 2013
BE (Electronics & Comm.), *nec*, Pokhara University, 2005
Research Interest:
Signal and Image Processing, Machine Intelligence, Embedded System Design.

Amit Shah *(NEC reg. 608 Electrical)*
M. Sc. (Information & Comm. Engineering), IoE, Pulchowk Campus, T.U., 2015
B. Sc. (Electrical Engineering), University of Engineering and Technology, Pakistan, 2004
Research Interest:
Signal processing, Machine Learning.

Bijaya Shrestha *(NEC reg. 907 Elx & Comm)*
M. Sc. (Radio Frequency Electronics), Tampere University of Technology, Finland, 2011
B. E. (Electronics & Communication Engineering), Pulchowk Campus, TU, 2006
Research Interest:
Internet of Things (IoT), AI, RF Electronics, Wireless Communications

Assistant Professors

Abinash Singh *(NEC reg. 1029 Elx & Comm)*
BE (Electronics & Comm.), Bangalore University, India, 2001
Research Interest:
Wireless Communication

Deepesh Prakash Guragain *(NEC reg. 5692 Elx & Comm)*
M. Tech. in Embedded System, JNTU, India, 2015
B. E. (Electronics & Communication Engineering), KEC, TU, 2010
Research Interest:
Embedded System, IoT, Hardware Design and FPGAs.

Ramesh Kumar Pudasaini *(NEC reg. 3089 Elx & Comm)*
M. Sc. (Information System Engineering), PU, 2017
BE (Electronics & Communication Engineering), Acme Engg. College, PU, 2007
Research Interest:
Internet of Things (IoT), Wireless Communication, Networking

Anil Kumar Yadav *(NEC reg. 1302 Elx & Comm)*
M. Tech. (Communication Systems), National Institute of Technology, Trichy, India, 2011
B. E. (Electronics & Communication Engineering), ACEM, TU, 2007
Research Interest:
Wireless Communication, Automation, Networking

Senior Instructor

Gyan Bhakta Maharjan
Diploma in Electrical Engineering, CTEVT, 1993

Instructor

Rupesh Karn *(NEC reg. 30240 Civil)*
BE Civil, PoU, 2021
Diploma in Electronics Engineering, T.U., 2011

Department of Electrical & Electronics Engineering

Associate Professors

Ajay Kumar Lal *(NEC reg. 850 Electrical)*
(Member RMC)
IEEE reg . 94334313 P. Engg., South Asia Region-10.
M.Tech. (Electrical Power Engineering), JNTUH, India, 2015
BE (Electrical Engineering), NIT, Allahabad, India, 2002
Research Interest:
Cascading Failure, ATC, Synchronized PMU, Security System

Madan Raj Chapagain *(NEC reg. 42 Electrical)*
PhD Scholar
M.Sc. (Power System), IOE-T.U., 2006
BSc. (Electrical & Electronics) BUET, 1995
Research Interest:
Power System Automation & Smart Grid

Assistant Professors

Narayan Prasad Acharya *(NEC reg. 481 Elx & Comm)*
M.Sc. (Power Engineering), Brandenburgische Technische University Cottbus, Germany, 2011
BE (Electronics & Communication) *nec*, PU, 2003
Research Interest:
Solar Photo Voltaic System & Power System

Yam Krishna Paudel *(NEC reg. 1224 Elec & Elx), IEEE member*
PhD Scholar at RIMT University , MSc. IT Leeds beckett university, UK MSc. in Power System Engineering, IoE Pulchowk campus , MBA KFA Business School & IT , BE Electrical & Electronics (2015)
Research Interest:
Machine Learning, Smart Grid, Distributed Generation , Energy Economics

Basanta Pancha *(NEC reg. 1655 Elec & Elx)*
M.Sc. in Renewable Energy Engineering, TU, 2019
BE in Electrical Engineering, TU, 2015
Research Interest:
Distributed Generation, Optimization, Islanding, ANN

Department of Civil & Rural Engineering

Associate Professor

Sanjay Kumar Kawan *(NEC reg. 4650 Civil)*
(Head of Department)
M.E. (Earthquake Engineering), Khwopa Engineering College, PU, 2018
BE (Civil), Khwopa Engineering College, PU, 2005
Research Interest:
GIS

Dr. Rakesh Dumaru *(NEC reg. 6489 Civil)*
(Member Secretary RMC)
Ph.D., University of Porto, Portugal, Civil Engineering, 2018
M.Sc.(Structural Engineering), IoE, Pulchowk Campus, TU, 2011
BE (Civil), IoE, Pulchowk Campus, TU, 2009
Research Interest:
Performance Assessment of Existing Infilled Reinforce Cement and Heritage building in Nepal

Assistant Professors

Yaman Dhakal *(NEC reg. 40 Civil & Rural)*
M.Sc. (Construction Management), *nec*, PU, 2019
BE (Civil and Rural) *nec*, PU, 2013
Research interest:
Material Management System in Construction Project

Sanjeev Bikram Shah *(NEC reg. 08 Civil & Rural)*
M.Sc. (Geotechnical Engineering), IoE, TU, 2016
BE (Civil and Rural), *nec*, PU, 2013
Research interest:
Slope Stabilization, Tunneling

Binay Kumar Sah *(NEC reg. 11740 Civil)*
M.Tech. (Structural Engineering) JNTUK, India, 2017
B. E. (Civil) VTU,Belgaun, India, 2014
Research interest:
RC Buildings, Masonry Buildings, Seismic Analysis, Non-Linear Static Analysis, Retrofitting

Assistant Professors

Rakshak Dhungel *(NEC reg. 05 Civil & Rural)*
M.Sc. (Geotechnical Engineering), IoE, TU, 2018
BE (Civil and Rural) *nec*, PU, 2013
Research interest:
Liquefaction modeling, Ground Improvement technique

Nirmal KC *(NEC reg. 16052 Civil)*
M.Sc. Environmental Engineering, 2078
Research interest:
Solid Waste Management, Nitrification of Ground Water

Junior Professor

Pratibha Parajuli *(NEC reg. 15485 Civil)*
M.Sc. (TEAM), PU, 2020
BE (Civil), TU, 2016
Research interest:
Solution for Parking Problem, Congestion in urban area

Department of Applied Science and Humanities

Professor

Sabitri K. Tripathi (Pandey)
M.Sc. (Chemistry), Tribhuvan University, 1991
Research Interest:
Water treatment and sanitation

Associate Professors

Anil Kumar Regmi *(NEC reg. 346 Architecture)*
(Head of Department)
M.Sc. (Construction Management), Pokhara University, 2008
B.Arch., *nec*, Pokhara University, 2005
Research Interest:
Construction Management, Land Development

Rabindra K. Budhathoki
M.Sc. (Physics), Tribhuvan University, 1998
Research Interest:
Advanced Solid State Physics, Particle Physics

Siddhi Prasad Pradhananga
M. Phil., Kathmandu University, 2013
M.Sc. (Math), Tribhuvan University, 1997
Research Interest:
Applied Mathematics

Youb Raj Gaire
M.Phil., T.U. 2016
M.Sc. (Math), Tribhuvan University, 2007
Research Interest:
Integral Transform, Number Theory

Sulochana Pradhan (Shrestha)
M.Sc. (Chemistry), Tribhuvan University, 1993
Research Interest:
Water Quality Analysis, Protein Analysis

Associate Professors

Prabin Basnet
(Member RMC)
Ph.D. Scholar, Institute of Science & Technology, TU
M.Sc. (Chemistry), Tribhuvan University, 2005
Research Interest:
Separation Science, Heavy Metal Adsorption

Assistant Professors

Kishor Dhungana
M. Phil, Pokhara University, 2020
M. A., English, Tribhuvan University, 2008
LLB, TU, 2023
Research Interest:
Cultural Studies

Bishnu Prasad Bhandari
Chief-Student Welfare and Extracurricular Activities Divison
M. Sc. (Mathematics), Tribhuvan University, 2009
Research Interest:
Partial Differential Equation

Dola Raj Pandey
M. Phil (Mathematics) (*Running*)
M. Sc. (Mathematics), Tribhuvan University, 2011
Research Interest:
Numerical Analysis

Yuba Raj Paudel
M.Sc. (Physics), Tribhuvan University, 2011
Research Interest:
Surface Modification of Polymer (Plasma)

Umesh Bhattarai
M.Sc. (Math), Tribhuvan University, 2009
Research Interest:
Mathematical Analysis

Lok Narayan Pokhrel
M. Sc. (Physics), Tribhuvan University, 2013
Research Interest:
Galaxy Rotation Curve, Dark Matter

Assistant Instructors

Dilli Raj Paneru
B.Sc. (Physics), Tribhuvan University, 2011

Dhana Pd. Poudel
B.Sc. TU, 2022
I.Sc., Tribhuvan University, 2008

nec- Center for Postgraduate Students (*nec*-CPS)

Professor

Dr. Thusitha Chandani Shahi *(P. Eng. NEC reg. 1652 Civil)*
PhD, Road & Airfield, MADI, Moscow, Russia, 1999
M.Sc, Highway Engineering, MADI, Moscow, Russia, 1994
Research Interest:
Road Safety, Traffic Engineering

Associate Professor

Robert Dongol
(Acting Director nec-CPS)| (Co-ordinator iWRM)
Ph.D Scholar, Kathmandu University, Dhulikhel, Nepal
M.Sc. (Environmental Engineering and Management), AIT, Thailand, 2007
B. Sc. (Environmental Science), Kathmandu University, 2004
Research Interest:
iWRM, Water and wastewater management, SWM

Assistant Professors

Dr. Narayan Prasad Koju
(Co-ordinator RMC)
DNSc. Kunming Institute of Zoology, Chinese Academy of Science, 2017
PhD in Zoology (Wildlife Ecology), T.U., 2014
M.Sc. in Zoology (Ecology), T.U., 2006
B.Sc. (Biology), Tri-Chandra College, TU, 2003
Research Interest:
Conservation Biology, Climate Change, Phylogenetics& Evolutionary Biology

Rajesh Khadka *(NEC reg. 5644 Civil)*
(Co-ordinator TEAM)
M.Sc. (Transportation Engineering & Management), Pokhara University, Nepal, 2018
BE (Civil), Tribhuvan University, Nepal, 2004
Research Interest:
Transport Planning, Pavement Engineering & Management

Dinesh Sukamani *(NEC reg. 10597 Civil)*
(Co-ordinator CM)
PhD (Civil Engineering), Wuhan University of Technology, Wuhan, China, 2022
Master in Civil Engineering (Construction Management), Wuhan University of Technology, Wuhan, China, 2017
BE (Civil Engineering), Khowpa Engineering College, PU, 2013
Research Interest:
Project Management and Sustainable Evaluation, Engineering Project Investment Financing

Manoj Kunwar
M.A. (Economics), Tribhuvan University, Nepal, 2012
B.Sc. (Statistics), Tribhuvan University, Nepal, 2007
Research Interest:
Economics & Econometrics

Sudip Pokhrel
M.Sc. (Statistics), Central Department of Statistics, T.U., 2017
B.Sc. (Statistics), Tri Chandra College, T.U., 2014
Research Interest:
Multivariate Analysis, Statistical Modeling, Applied Survey Sampling and Sampling Methodology

Assistant Professors

Gopal Gautam *(NEC reg. 9251 Civil)*
M.Sc. (Transportation Engineering & Management), *nec*, PU, 2018
BE (Civil Engineering), *nec* , 2013
Research Interest:
Urban Road Planning, Design and Management

Junior Professors

Pratik Bajracharya
M.Sc. (Environmental science), TU (2019)
B.Sc. (Environmental science), TU (2016)
Research Interest:
Water science, circular economy, plastics

Administrative **Staff**

Examination Division

Administration Section

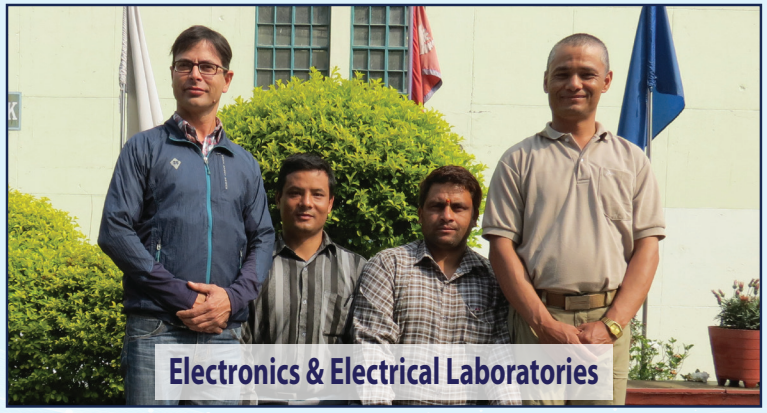
Girls Hostel

Account Section

Store/Procurement

Civil Lab

Library


Electronics & Electrical Laboratories

ICT Center

Construction and Maintenance Division

Security

The **Chartered Engineers** of Nepal working at ***nec***

Nepal Engineering College is happy to announce the Chartered Engineers of Nepal working with us. They are our proud properties and are as follows:

DESIGNATION	NAME
Assoc. Prof.	Durgaprasad Bhandari
Assoc. Prof.	Ram Sthapit
Assoc. Prof.	Ramesh Khanal
Assoc. Prof.	Rupesh Dahi Shrestha
Assoc. Prof.	Sundar Kunwar
Assoc. Prof.	Dibyashree Lohani Poudyal
Assoc. Prof.	Mohan Dhoja K.C.
Assoc. Prof.	Raghu Nath Prajapati
Assoc. Prof.	Bijaya Shrestha
Assoc. Prof.	Sachin Shrestha
Assoc. Prof.	Dr. Dibangar Khoteja
Asst. Prof.	Narayan Prasad Acharya

ALUMNI SUCCESS STORIES

Ar. Aman Kumar Maskey

B. Architecture,(2003 Batch)
Member
Bagmati Provience

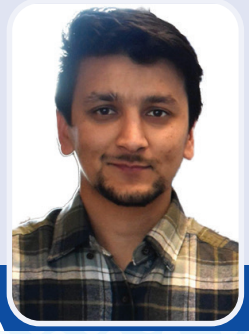
Ar. Sunilraj Karki

B. Architecture (2010 Batch)
Bud Architect

Er. Meghnath Dhakal

BE Electrical and Electronics (2008 Batch)
Electrical Engineer, Nepal Electricity Authority (NEA)

Er. Bhoj Raj Thapa

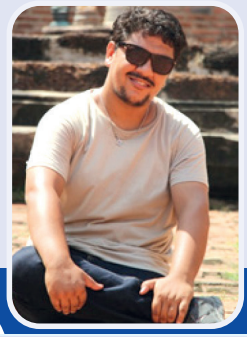


BE Electronics and Communication (2014 Batch)
PhD Scholar at the University of Kentucky

Dr. Santi Kala Subedi

BE Civil (1996 Batch)
MD, Krisham Smart Engineering Solution
Head of Research and Innovation Unit, Himalaya College of Engineering

Dr. Sanjiv Neupane



BE Civil (2011 Batch)
Chief Executive Officer
Smartphones For Water-Nepal

Er. Dinesh Dangol

BE Computer (2002 Batch)
CEO
Grow Pvt. Ltd.

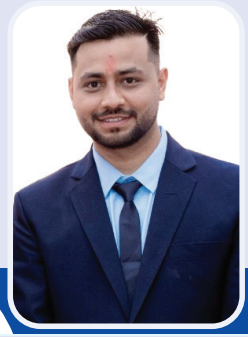
Dr. Suman N. Rajbhandari

BE Civil (1994 Batch)
Vice-President, Urban Planning Commission, Kathmandu Metropolitian City

Er. Sujan Khadka

BE Electronics and Communication (2009 Batch)
Deputy Manager,
Civil Aviation Authority of Nepal

Er. Humanath Pokhrel



BE Computer (2017 Batch)
Flutter Developer and Frontend Developer
Fifth Desigg (Codeilo Solutions)

Er. Bhuwan Subedi

BE Computer (2017 Batch)
Software Engineer
Vanilla Transtechnor

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- High Number of Scholarships
- 100 % Full time Faculties
- International Institutional linkage
- Students Mobility Programs
- Peaceful learning environment
- Well Equipped ICT, laboratories & Library

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Nepal Engineering College

(Affiliated to Pokhara University)

Self Financed Not-for-Profit Social Academic Institute

(D.A.O. Bhaktapur, Regd. No. 552/2060)

find us on Google Maps

Changunarayan Municipality-4, Bhaktapur
GPO Box 10210, Kathmandu, Nepal
Ph: 01- 5221006, 5221012
Email: info@nec.edu.np