A BRAND OF QUALITY ENGINEERING EDUCATION SINCE 1994

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Message from the Principal

Nepal Engineering College (nec) has consistently performed well above average in the academic and research sectors, and the overall personality development of its students through balance between mental and physical wellbeing. No wonder, this college has earned a respected brand name in the higher technical education sector of Nepal. Different national and international organizations list this college at par with reputed universities of this region. Students choosing to pursue their academic growth at Nepal Engineering College will be rewarded with close interaction of experienced teachers with a highest degree of dedication in assisting the students, as a subject teacher and as a guide in social development.

In its 25 years of establishment and growth, Nepal Engineering College has faced many ups and downs, with a general trend to ever expanding international and national linkages. Beginning from September 2017, news about this college was in the front cover of many national dailies, almost on a weekly basis, when some persons with ulterior motives tried to exploit its good name; however, with the cooperation from everyone concerned, nec has emerged from the unnecessary legal and administrative issues, and re-established itself as the institution of choice among the students of Nepal pursuing technical education. Many organizations from different countries and national industries regularly visit this college to explore potential employees. For the students who are motivated to explore their potential, this college is a perfect match.

With almost all teaching staff on a full-time service basis, complete set of each and every practical laboratory experiment, abundant open spaces for recreation and physical fitness, number of international collaborative research projects, students participating in final year research project in European universities, dozens of students receiving full scholarship for pursuing higher education in reputed universities around the globe, number of students clubs involved in research activities and good range of choice in engineering programs in undergraduate and graduate levels, Nepal Engineering College has attained a “matured” level in providing highest quality engineering education in Nepal. I am sure you will thank yourself for choosing Nepal Engineering College for your higher education.

We pride ourselves in providing an education that nurtures the innate talents of our students and that offers them opportunities to develop and demonstrate these abilities.

Prof. Dr. Hari Krishna Shrestha
Principal
Background

Nepal Engineering College, popularly known as nec, is the first not-for-profit social academic institute of Nepal.

nec was established in 1994 as a 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 a number of 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.

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 in the region. The physical infrastructure and instructional resources, built on 210 rpanies (10.69 ha) of land at the lap of Changunarayan in Bhaktapur, a UNESCO world heritage site, right beside the Manohara river bank provides an ideal ambience of learning.

Currently, nec offers Bachelor level courses in Civil Engineering, Electrical and Electronics Engineering, Civil and Rural Engineering and Civil Engineering for Diploma Holders leading to B.E. (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 B.E. 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 hosts international chapter of the Indian Society for Technical Education (ISTE) in Nepal, a professional body established for standardization of academic curricula and its delivery, crucial for quality education in engineering and technology. nec is also an institutional member of ISTE.
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.

Planned Activities at nec:

- Construction of a student center within two years.
- Introducing new programs in Masters/Bachelors.
- Allocate and implement laboratory update budget of NRs. 10 million annually.
- Implementation of e-library in the college.
International Collaborations
International Linkages

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. To date the institutional linkages of nec extend to -

Being Relevant to the Society

nec is continually engaged in promotional and development activities in the neighboring communities of Changunarayan Municipality of Bhaktapur and Kageshwori Manohara Municipality of Kathmandu as a part of its corporate social responsibility. This engagement has been mutually rewarding for nec as well as the communities in the vicinity.

Strengthening Research activities in water and sanitation sector with Imperial College London, UK

nec has prioritized practical based solution for engineering studies. In this regard, it has been engaging students in field survey and data collection in different research activities. Prof. Sabitri Tripathi, Department of Science and Humanities and Dr. Michael Templeton, Reader in Public Health Engineering, Department of Civil and Environmental Engineering have been involved in different research projects related to Water, Sanitation and Hygiene since 2007. Currently they have been involved in research activity on Water supply intermittency in Kathmandu Valley since 2016. Students of nec are involved in data collection and field activities. They are trained for water quality analysis at the field level.
South Asia Water (SAWA) Leadership Program on Climate Change

SAWA Leadership Program on Climate Change (2017-2021) 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 (IWM) 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 (IWM). 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.

Problem-Based Education in South Asian Universities (PBL South Asia)

nec is the partner institution of the new collaborative project "Strengthening Problem Based Learning (PBL)" along with other ten different universities located in Finland, India, Bhutan, the Netherlands and Lithuania. The Project aims to promote problem-based learning in South Asia and is funded by the European Commission’s Erasmus+ Capacity Building in Higher Education and duration of the project is three years from 15-11-2018 to 15-11-2021. The project aim to contribute to stronger innovation capabilities of new graduates in partner universities, strengthen institutional capacities to build innovation partnerships, increase number of university-industry partnerships and increase relevance and know-how of program universities' interdisciplinary PBL teaching in the context of global challenges.

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

Inter-institutional agreement 2018-2020 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+.
Completed Projects:

Promoting Sustainable Hydro-power Development in Nepal and India

As part of the Conflict and Cooperation in the Management of Climate Change (CCMCC) project, funded by the DFID, implemented by the NWO (The Netherlands) and executed by the Wageningen University (The Netherlands) through partner institutes in Nepal and India, nec contributed in development of conflict free and sustainable hydropower development in Nepal and India by developing socially and environmentally justifiable water allocation for the energy generation, socio-economic needs of the local residents and flora and fauna of the river system. The CCMCC project was successfully completed in July 2018.

The main objectives of the program are:

- Provide a platform for researchers, scientists and policy makers to discuss different aspects of water management and share knowledge and expertise
- Help fill the gap between water management science and policy
- Explore possibilities of promoting research and studies in the area of water and water resource management
- Develop long lasting network of scientists, researchers and policy makers for sustainable knowledge building in the region

Hawa Energy Development Group (HEDG) - Joint venture between Nepal Engineering College and JESA Technical Assistance, Japan

The use of renewable energy has been expanding remarkably in recent years. Renewable energy is a critical part of reducing global carbon emissions. As the pace of investment has greatly increased as the cost of technologies fall and efficiency continues to rise, these technologies are gaining popularity. Especially the use of photovoltaic generation and wind power Hybrid Solar Wind Power Generation System that use natural energy has grown significantly. Hybrid Solar Wind Power Generation System at Nepal Engineering College, Changunarayan, Bhaktapur is one such system. The project is a joint venture initiated by Nepal Engineering College and JESA Technical Team, Japan. Fujitsu Limited Company, Japan donated “Hybrid Combined Solar and Wind Energy Turbine” on 23rd December, 2016. The HAWA coordinating team comprising of Pramod Ghimire (Coordinator), Krishna Bikram Shah (Member), and Rojesh Dahal (Member) has been involved in monitoring, maintaining, repairing, scheduling, and operating the system setup. This is a validation of the fact that institutional linkages are prerequisites for the academic progress in the field of research as well as in bridging the gap between academic and industrial applications. This project is one such international link. The Japanese team has visited Nepal Engineering College more than 3 times where the students/faculties/staff were able to participate in the interaction with the Japanese professionals and the professors from the renowned universities.

Peri-Urban Water Security Project (2010-2013)

Nepal Engineering College, in partnership with some regional institutions, has completed an action research entitled Water Security emerging from urbanization and climate change in peri-urban areas of three South Asian countries. In Nepal, the study was undertaken at four peri-urban villages in Kathmandu valley namely, Dadhikot and Jhaukhel in Bhaktapur, Lubhu in Lalitpur and Matatirtha in Kathmandu district. A total of six students were provided internship to carry out research in the relevant field.

Crossing Boundaries (CB) Project (2007-2011)

Under the Funding of DGIS of the Government of Netherlands for Regional Capacity Building on Integrated Water Resources Management (IWRM) and Gender and Water in South Asia, from July 2007-December, 2011.

Under this Project, out of 45 graduates, a total of 30 IWRM graduates are currently working in various organizations (both Government and Non-Government). More than 50 water professionals have been provided with advanced training on Integrated Water Resources Management, Interdisciplinary Field Research Methodology, Integrated Water Supply and Sanitation, Water and Gender, Water and Climate Change. A total of 45 M.Sc. thesis and many papers of the students were presented and published in proceedings and journals.

Energy Efficient Lighting Education in Nepal and Bhutan (ELNAB) – EU funded project

This project “Promoting Energy Efficient Lighting Education in Nepal and Bhutan (ELNAB)”, agreement no. 2016-2975/001-401 co-funded by the Education, Audiovisual and Culture Executive Agency (EACEA) of the European Commission (EC) belongs to the Erasmus+ Program for the action Capacity Building in Higher Education (CBHE). This action aims to support the modernization, accessibility and internationalization of higher education in the Partner Countries to contribute to the development of sustainable and inclusive socio-economic growth. The project aims to assist Nepal and Bhutan to reduce electricity consumption as well as greenhouse gas emissions through capacity building of human resources in the fields of energy efficient lighting systems.

The outcome of this project were capacity development of the faculties, development of lighting laboratory and development of elective course in Illumination Engineering and Training Course on Fundamental of Illumination Engineering and Design.
Notable Events of the Recent Past

**nec** has been organizing seminars, conferences, short-term training courses, and other scholarly activities, besides regular teaching and research involvements. The followings are some of the notable events in the recent past, organized by **nec**, either independently or in collaboration with national or international institutions and organizations.

- Nepal Engineering College (ISTE-chapter), Kathmandu Nepal organized a two-day faculty development programme on “ACTIVE & CO-OPERATIVE LEARNING” was held, from July 14th to 15th, 2017.
- To cope with the current market demand and realize the theories into practice, Nepal Engineering College, Department of Architecture, organized a one-day workshop on Curriculum Revision for the Bachelor’s level program related to Architecture of Pokhara University on 5th June at Hotel View Bhaktapur, Jagati.
- **nec** in association with Indian Society for Technical Education (ISTE-**nec** Chapter) organized two days National workshop entitled “Teaching Learning Pedagogy in Technical Education” on 10-11 March, 2016 at Hotel Shambala, Kathmandu.
- **nec** presented an international research paper at a workshop on “Developing Regional Collaboration in River Basin Management in Response to Climate Change” organized by Monash University, Australia at Taj Palace Hotel, New Delhi on Dec 15, 2015.
- **nec** participated at the CoCoON-CCMCC Exchange Workshop (Nov 27, 2015) and put up posters on developments up to this point on “Nepal’s International Research Project related to Hydropower Development in Eastern Himalayas’ organized by the Ministry of Foreign Affairs (MoFA) of the government of the Netherlands, at Hagueinn in which **nec**, Wageningen University, Univ. of East Anglia, NWCF, and Sikkim University, AQUADAM, and SOPPECOM of India are the project partners.
- **nec** actively participated in the recovery and help camps, setting up distributing tents and working together with the government authorities and NGOs after the devastating earthquake of April 25, 2015. **nec** also encouraged its students to participate in the reconstruction and rehabilitation programs. B.E. Civil, B.E. Civil & Rural and B. Architecture final year students participated in the one-month reconstruction and rehabilitation program for 2015 earthquake victims in the districts of Sindhupalchowk and Dolakha between 17th Feb 2017 to 26th March 2017. The program was formally organized by the Pokhara University, Nepal Engineers’ Association and National Reconstruction Authority, Nepal.
Research Centers

The following research centers established within the nec umbrella are involved in research, development and promotional activities:

1. Center for Research in Social Defense Technology (CRSDT)
2. Computer Technology and Robotonix Club (CTRC)

Lab Upgrades

Recent lab upgrades for Civil Engineering has been accomplished.

1. Three hinged arch and bending moment set up are replaced by new ones and are used for structure analysis practical.
2. Three new Smart Road software have been recently added for final year road project.

Information Communication and Technology (ICT) Center

ICT center consists of hardware and software facilities needed for information and communication. These include computer and network hardware, communication middleware as well as necessary software. The Windows and Linux based Computer Laboratories, seven in number, are managed by the ICT center which provide opportunity for the students to experiment with readymade software and developing their own software during and after the class hours. The students can access the information through unlimited internet access and Wi-Fi connectivity within the nec premises.

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 B.E. (Civil and Civil & Rural) and B.E. Civil for Diploma Holders. Two weeks educational exposure tour (NASA) to India is organized for the third year students of architecture. After such visits, students are asked to submit a report in prescribed format as a part of internal evaluation system.
Library

neu library provides the ambiance of learning for the students and faculty. There is a collection of more than 35,000 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 neu students and faculty and also professionals and researchers from outside. The computerized catalogue system allows easy retrieval of texts and other references.

SWECAD: Student Welfare and Extra Curricular Activities Division

The SWECAD emphasizes nurturing 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.

Students’ guardians are regularly informed of the progress of their wards on all activities including academic performance in each semester by a teaching faculty counselor.

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 as and when needed.

Students’ Welfare Activities

Under student welfare activities students’ overall career and skill development works such as: conducting different non-credit courses depending upon the industrial/market demand, facilitate the students to participate in robotics competitions, project exhibitions and also facilitate them to participate in seminar/conference/workshop/symposium etc. Sports activities will not be held on college days strictly.
Students Clubs Info

Center for Applied Research and Rural Development (CARRD-nec)

A research and development club comprising 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.

Peace Vision Youth Network (PVYN)

PVYN works for social welfare, human rights campaigns in engineering sector under AMNESTY INTERNATIONAL umbrella.

Academic Council of Architecture Students (ACAS)

A social venture that aims to develop strong camaraderie amongst the architectural students studying at nec.

Society for Civil and Rural Engineering Students (NCRES)

works for enhancement of concerned students knowledge by conducting seminars, workshops etc.

nec Thinks ……….. BIG

not a club but a virtual umbrella to bring all the programs at a place where faculty members and students share, dare and care every way to think BIG, act BIG and achieve BIG through engagement to exchanges via this platform.

Health Care Scheme

All students at nec are insured for NRs. 1,00,000.00 (one hundred thousand) to cover the expenses for major ailments and injuries.

nec Alumni Association (necAA)

Nepal Engineering College Alumni Association (necAA) 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.
Accommodation

On Campus Accommodation

nec runs a girls’ hostel able to accommodate 70 students. The hostel has needed amenities for a simple decent living. The Girls’ hostel is supervised by a senior resident lady administrative staff.

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 two cafeterias 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.

Coffee Shop

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.

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 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 minor injuries and first aid treatment.
Programs Offered
B. E. Civil Engineering

nec has been offering Bachelor program in Civil Engineering since 1994. The objective of the course is to train 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 needed analytical and hands-on skill to deal with, and cater to, wide ranging infrastructure development tasks.

The following Bachelor level programs are currently underway at nec:

Bachelor Level Programs

B. E. Civil Engineering

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Joining nec has been the right decision I have taken in hopes of perusing my dreams of civil engineering. It has been a major keystone to harness my skill through its disciplinary yet friendly environment. nec has best facilities under one roof, best equipped lab, well stocked libraries, sophisticated structural labs, and computer labs with high speed internet, interactive classes with professional lectures and sufficient facility for extra curriculum activities. It has been a key factor in developing my social skills along with imagination and creativity. Thank you nec for this wonderful platform.

Puran Shrestha (014-023)

I am really glad to appreciate nec where I got a good practical based platform to get mastery on my subject. This college always gave tremendous opportunity to sharpen our skills and pushed us to explore outer world. I am confident that, I can compete anywhere with the knowledge, skills and personality I gained here. Thus, I enjoyed learning about student involvement and activities, and my regret is only I won’t get these days back. The head team along with our faculty’s perseverance, integrity and people loving nature are the one which would inspire me every moment.

Prames Shah (014-079)
B. E. Civil and Rural Engineering

In Nepal, endemic rural poverty, food insecurity and poor quality of rural life exist as outstanding development challenges. Inseparable relationship between agriculture and rural development demands that agriculture must be looked at from a stand point of holistic rural development. Strong inter-linkages exist among technology, infrastructure and services, producing positive impacts to rural economy and quality of rural life. This has created demand for cadre of technical manpower who could apply the knowledge of engineering and technology in rural development.

nec started bachelor program in Civil and Rural Engineering from 2008 which is a unique initiative in the country and in the region. The graduates of the Civil and Rural Engineering are serving in numerous government and development agencies working in the areas of rural infrastructure development, natural resources management, agro-industries and rural credit institutions, apart from conventional Civil Engineering related development projects.

Peaceful environment, sophisticated labs, commodious and safe infrastructures, veteran teachers and plethora of ways to gain knowledge are the key attributes of Nepal Engineering College (nec). Our seasoned teachers from different faculties not only provide us theoretical knowledge but also inculcate us with its pragmatic approach which will be needed in our future. I find myself lucky to be the part of such huge organization and will always rejoice the time I have spent in that college. A student who is willing to have an exhaustive knowledge of both urban and rural engineering should definitely opt Civil and Rural Engineering. It provides a platform to explore new horizons of not only civil part but also different aspects of rural engineering.

Amit Taylor (013-804)

B. E. Computer Science & Engineering

Rapid development in microelectronics and computer science has created the need for specialized manpower that could fuse these two cutting-edge technologies. This fusion of knowledge and technology has led to the evolution of a highly specialized professional field in Computer Engineering. Computer Engineers have wide ranging career options in business, industries, production and service sectors and in IT-industries.

Realizing the ever growing need of Computer Engineers within the country, and also rapidly growing employment prospects abroad, nec started Bachelor program in Computer Engineering beginning academic year of 1999. The program uniquely combines the broad knowledge of programming and electronics with the specialist skills in software and hardware design and interfacing.

I am grateful to the opportunities that nec bestowed upon me. The teaching methodologies are backed by practical implementations as well as industry interfacing. Being a Computer Engineering graduate, I feel like the exceptional training that I received at nec allowed me to be hired by one of the top companies in Nepal before graduating itself. Even after graduation, I have never found myself short of continued guidance and mentoring from my professors. The dedicated management team and enthusiastic faculty have made the student’s interests a priority and created an environment where learning is practical, interesting and applicable. I wish success to the college and the students, who I am sure will find great careers and grow in leaps and bounds.

Rojina Deuja (013-328)
B. E. Electronics and Communication Engineering

The last three decades have witnessed phenomenal growth in electronics and communication, from terrestrial to microwave and broadband communication. The growth is expected to be still more vigorous, involving higher levels of sophistication, technology and skills in the days to come. This has created avenues for specialized human resources who could be engaged in design, development, operation and maintenance of electronic circuits and devices for diverse communication needs. Realizing the emerging needs for professionally competent human resources in this area, within the country, nec started Bachelor program in Electronics and Communication Engineering beginning from the academic year of 1999. The objective of the program is to train the students with needed competence in design, testing and application of electronic devices and their applications in arrays of households’, industrial and communication applications.

B. E. Electrical and Electronics Engineering

Electrical engineering deals with the problems associated with large scale electrical systems, such as, electricity generation, transmission and distribution, while electronics is concerned with low voltage applications in computers, communication systems and integrated circuits. The advancements in power transmission system and diverse uses of electricity in different walks of life have created demand of blending of these two disciplines and developing breeds of engineers who have knowledge and skills in both the areas. Realizing the need of such manpower, nec started Bachelor program in Electrical and Electronics Engineering beginning from the academic year of 2006. The graduates are expected to avail career opportunities in the agencies concerned with generation, transmission and distribution of electricity, alternative/renewable energy, communication, manufacturing and service sectors.

I feel contented that I had the opportunity to study in nec. I believe, nec’s interactive and lenient nature of faculty members, profound knowledge in their respective discipline and enthusiastic involvement in projects have been crucial factors to maintain my fascination. We also got opportunities to get involved in Project Exhibitions and also publish a research paper in collaboration with scholarly teachers. College’s dedication to provide quality education will certainly be helpful for upcoming students. I hope, every freshman will have the same experience as I had in the college. Thank you!

Bhojraj Thapa(014-444)

As a biology group student and not having Mathematics in 12th grade, I opted nec as a best option to pursue undergraduate engineering study. nec has a rich history of producing quality engineers excelling in both industry and academia. I am thankful to study B.E. in Electrical and Electronics Engineering in nec which prepared me to struggle in the research area of future power grids and pursue a successful career.

Samrat Acharya (09-650)

PhD Student at New York University, USA
B. 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 manmade 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. The students have the opportunity to gain competence in both hand-drawing and computer graphics to enable them to excel in the competitive professional environment. A full semester of apprentice in an architect’s office helps prepare them to tackle professional challenges before graduation. The final semester is dedicated to a thesis project wherein the students are expected to accomplish an architectural design project independently.

B. E. Civil 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, geo-technical 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, Lagankhel, Lalitpur.

Eliza Shrestha (013-218)

I chose to pursue graduate degree in architecture as I am very much passionate about being creative and practical. Architecture was really challenging at first, as there was so much to learn, but I got my confidence from the teachers who were really experienced and encouraging. I’m also thankful for the national exposure provided by Asian Paints competition opportunities during my time at nec. If you enjoy being creative and solving problems, then architecture is definitely worth pursuing as a career.

Sabin Silwal (013-35)

After completing Diploma in Civil Engineering, I was searching for a college to study Bachelor in Civil Engineering. Being a job holder, nec-BDH was the best college to pursue my studies where I could attain college during evening session. At nec-BDH, I found all the teaching faculties as well as non teaching staffs very friendly. The lecture classes were so effective that I forgot all my tiredness of day’s work at office. The practical classes were conducted simultaneously so that synchronization of theoretical knowledge with practical illustration helped me to understand the course content very well. The Continuous Assessment System (CAS) is the strong point of nec-BDH that it always enhanced my attitude and habit to cope with the examinations, so, I was able to score better grades in the University Examinations.
Masters’ 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
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.

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 RESOURCES 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 TRANSPORTATION ENGINEERING AND MANAGEMENT (TEAM)

The concept of global village was realized mainly due to efficient transport facilities. Natural endowment of resources and competitive

The 2 years duration of studying in nec-CPS was a wonderful experience for me which has helped me for the attainment of a high level of competence and dedication in my ongoing professional career. I would like to convey my deepest gratitude to all the professors, lecturers and the faculty members of nec-CPS who were always ready to assist me whenever I had trouble with my study. Their continuous guidance, advice and encouragement made it possible for me to grab the Deans List and the Chancellors Award.

Sushil Timalsena (M. Sc. CM, 2017 Batch)

When I got enrolled in M.Sc. NRM at nec-CPS, I got into contact with professional circles from various field and institutions studying there. The diversity of experienced students and faculties always helped me to think of the issues in broader way. In this way, I got an opportunity to learn about the success and failure of their professional lives. The knowledge learnt from the college and colleagues has helped me to become professional and act wisely.

Shravan Kumar Ghimire (M.Sc. NRM, 2017 Batch)
During my Bachelors, interest in water subjects had already convinced me to pursue post-graduation in Water Resource Engineering. After my graduation in civil and rural engineering, I wanted to continue my studies. So after taking suggestions from seniors graduates, I joined M.Sc. iWRM. After completing this course I realized that engineering is just one dimension and there are many other dimensions (Social, economic, environmental) which affect in the management of water resource projects. This course taught me how to analyze any water related issues from different dimensions. I feel proud that I decided to choose M.Sc. iWRM in my postgraduate studies and confident in applying the knowledge acquired from this course in professional career onwards in coming days.

Mr. Bibhushan Khadka (M. Sc. iWRM, 2017 Batch)

After joining nec-CPS programme in TEAM, I was able to study through the guidance of a highly professional faculties in a wide range of course offerings and an engaging curriculum. It has provided me with some great research opportunities utilizing its extensive Library, Computing facilities and Laboratory services which interprets its high graduation rate and strong career services. This college has provided me with a great environment to “study while working” with its regular and effective evening classes. Finally I want to thank my college for this opportunity to “advance my education and career.”

Sagar Gautam (M.Sc. TEAM, 2017 Batch)
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:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Grade Point</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.0</td>
<td>Excellent</td>
</tr>
<tr>
<td>A-</td>
<td>3.7</td>
<td></td>
</tr>
<tr>
<td>B+</td>
<td>3.3</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
<td>Good</td>
</tr>
<tr>
<td>B-</td>
<td>2.7</td>
<td></td>
</tr>
<tr>
<td>C+</td>
<td>2.3</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>C-</td>
<td>1.7</td>
<td></td>
</tr>
<tr>
<td>D+</td>
<td>1.3</td>
<td>Satisfying minimum requirements for credits</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
<td></td>
</tr>
</tbody>
</table>

For Bachelor Level Programs:

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.

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.
Fee Structure

Tuition and Other Fees

Fee structure for 4 years B.E. Courses
(Civil, Civil and Rural, Electrical, Electronics and Computer)

<table>
<thead>
<tr>
<th>Particulars</th>
<th>NRs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission Fee</td>
<td>99,500.00</td>
</tr>
<tr>
<td>Tuition Fee (8 semesters @ Rs. 54,000)</td>
<td>4,32,000.00</td>
</tr>
<tr>
<td>Semester Fee (Affiliation, Registration, Examination, Lab, Infrastructure development &amp; other expenses for 8 semesters)</td>
<td>4,62,000.00</td>
</tr>
<tr>
<td><strong>Sub-total</strong></td>
<td><strong>9,93,500.00</strong></td>
</tr>
<tr>
<td>Security Deposit (Refundable)</td>
<td>15,000.00</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>10,08,500.00</strong></td>
</tr>
</tbody>
</table>

Fee structure for 4 & 1/2 years B.E. Courses
(Civil Engineering for Diploma Holders)

<table>
<thead>
<tr>
<th>Particulars</th>
<th>NRs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission Fee</td>
<td>99,500.00</td>
</tr>
<tr>
<td>Tuition Fee (10 semesters @ Rs. 54,000)</td>
<td>5,40,000.00</td>
</tr>
<tr>
<td>Semester Fee (Affiliation, Registration, Examination, Lab, Infrastructure development &amp; other expenses for 9 semesters)</td>
<td>5,14,225.00</td>
</tr>
<tr>
<td><strong>Sub-total</strong></td>
<td><strong>10,99,725.00</strong></td>
</tr>
<tr>
<td>Security Deposit (Refundable)</td>
<td>15,000.00</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>11,14,725.00</strong></td>
</tr>
</tbody>
</table>

Fee structure for 5 years B. Arch Courses
(Bachelor of Architecture)

<table>
<thead>
<tr>
<th>Particulars</th>
<th>NRs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission Fee</td>
<td>99,500.00</td>
</tr>
<tr>
<td>Tuition Fee (10 semesters @ Rs. 54,000)</td>
<td>5,40,000.00</td>
</tr>
<tr>
<td>Semester Fee (Affiliation, Registration, Examination, Lab, Infrastructure development &amp; other expenses for 10 semesters)</td>
<td>5,69,000.00</td>
</tr>
<tr>
<td><strong>Sub-total</strong></td>
<td><strong>12,08,500.00</strong></td>
</tr>
<tr>
<td>Security Deposit (Refundable)</td>
<td>15,000.00</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>12,23,500.00</strong></td>
</tr>
</tbody>
</table>

Notes:
1. SAARC students can pay their fees in US $ equivalent to Nepali currency.
2. The cost towards industrial placement, food and accommodations in the study tours, and all other costs shall be the responsibility of the students.
3. Ten percent (10%) rebate on total fee will be provided if student pays total/package fee in advance at the time of admission.

Schedule of Payment of Fees

Fee Structure (Without Rebate)

<table>
<thead>
<tr>
<th>Fee at the time of admission for each course:</th>
<th>Full Amount (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission Fee</td>
<td>99,500.00</td>
</tr>
<tr>
<td>Tuition Fee</td>
<td>54,000.00</td>
</tr>
<tr>
<td>Semester Fee (Affiliation, Registration, Examination, Education Service Tax, and other)</td>
<td>2,05,500.00</td>
</tr>
<tr>
<td><strong>Sub-Total</strong></td>
<td><strong>3,59,000.00</strong></td>
</tr>
<tr>
<td>Security Deposit (Refundable)</td>
<td>15,000.00</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>3,74,000.00</strong></td>
</tr>
</tbody>
</table>

Semester Fee based on the performance in nec Entrance Test (nET - 2076)

<table>
<thead>
<tr>
<th>Marks Obtained</th>
<th>Percentage rebate on tuition fee</th>
<th>Total fee at the time of admission</th>
<th>Fee for Remaining Semesters</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>4 Years B.E. Courses</td>
</tr>
<tr>
<td>80% and above</td>
<td>50%</td>
<td>Rs. 3,47,000</td>
<td>Rs. 74,250</td>
</tr>
<tr>
<td>70 to 79%</td>
<td>35%</td>
<td>Rs. 3,55,100</td>
<td>Rs. 83,700</td>
</tr>
<tr>
<td>60 to 69%</td>
<td>15%</td>
<td>Rs. 3,65,900</td>
<td>Rs. 96,300</td>
</tr>
<tr>
<td>Less than 60%</td>
<td>No rebate</td>
<td>Rs. 3,74,000</td>
<td>Rs. 1,05,750</td>
</tr>
</tbody>
</table>

Notes:
1. Students admitted in Civil Engineering, Civil and Rural Engineering and B.E. Civil Engineering for Diploma Holders programs must pay additional amount of Rs. 25,000.00 for survey and geology camps at the time of admission.
2. Students admitted in Electrical and Electronics Engineering need to pay an additional amount of Rs. 7,000.00 as internshipt fee at the time of admission.
3. Scholarships are available on tuition fee only.
4. nec offers full waiver of tuition fee to the overall topper of nec Entrance Test - 2076
5. Students must treat total fee as mentioned in the prospectus as a "package fee".
6. If Pokhara University increases affiliation fee, registration fee, examination fee during the students study period, students are liable to pay accordingly.
7. Security deposit will be refunded only after the completion of study period.
Scholarship Scheme, Grants & Awards for Undergraduate Programs

Scholarships for Bachelor level Programs by Pokhara University

nec offers full scholarship to 10% students as referred by Pokhara University. Such scholarship includes waiver of all fees (except the expenses towards Surveying and Geology Camps).

Provincial Scholarship

Under Provincial Scholarship Scheme, 7 students one from each province, passing SEE from Community or Public Schools under Nepal Government will be offered full scholarship. A separate examination will be conducted by nec to select the eligible candidates securing admission through nET. Each student gets to choose the program based on their secured position. Under this scheme only one seat is reserved in each program.

Founder Members’ Scholarship

nec provides scholarship to cover full/partial expenses of students recommended by the Founder members.

Neighbourhood Scholarship

For Ward No. 1, 2, 3 & 4 of the Changunarayan Municipality and residents of the then Mulpani VDC, nec provides one full and two partial (50% on tuition fee) scholarship as Neighbourhood Scholarship. Under this scheme one full scholarship and two partial scholarship seats are allotted in different programs for each neighbourhood and the selection of the program will be given on the basis of secured rank in nET 2019.

Scholarship for the wards of nec employees

Under this scheme different scholarships are provided to the wards of nec employee as governed by the college rules.

Note: Except for the students under the PU Scholarship, the students under other Scholarship schemes do not cover Affiliation, Registration and Examination fee. Further, prescribed security deposit has to be paid at the time of taking admission which is refundable.

Merit Scholarship

nec awards one merit scholarship to faculty topper students for every 48 students in each program in a semester. The scholarship covers full waiver of fees (excluding university fees). The topper of the first semester will get the scholarship in the second semester, the topper of the second semester will get this scholarship in the third semester and so on. The topper of the last semester will not get any scholarship as he/she will have graduated before the announcement of the result of the last semester. The decision for the award of merit scholarship is made after the final verification of the results.

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.

All decisions pertaining to award and scholarships are made by a scholarship committee constituted by the college.

Note: Recipient of one scholarship is not eligible to claim any other scholarship.

Rules for Retaining Scholarship Eligibility

All the students admitted under any scholarship scheme must comply with the eligibility conditions put up by Pokhara University.

www.nec.edu.np
Girls’ Hostel Expenses

The cost of a double occupancy accommodation, inclusive of room rent, water and sanitation, is Rs. 9,000.00 plus Rs. 100.00 towards admission (sub-total Rs. 9,100.00) per student per semester. In addition the student has to pay security deposit (refundable) of Rs. 2600.00 at the time of 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.

The average cost of Nepali food (two meals a day) served in the cafeteria generally amounts to an average of Rs. 6,000.00 per month.

Transportation Cost

Students intending to use the college transport must buy a semester bus pass upon payment of Rs. 8,000.00. 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 2076. 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.
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 hereunder:

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 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 communications 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

Requests for cancellation of admission shall be lodged by parents/guardian/student in writing addressed to Principal and shall be submitted in college for seeking refund in the following cases:

- Provisionally admitted student’s admission will be automatically cancelled if the student does not meet admission criteria set by Pokhara University after the publication of +2 results and the full amount paid at the time of admission will be refunded.
- Cancellation of admission before the start of session:
  (a) Within 10 days of admission: The total fee deposited will be refunded after deducting NRs. 10,000/- as processing charges.
  (b) Within 11 to 20 days of admission: The total fee deposited will be refunded after deducting NRs. 20,000/- as processing charges.
  (c) Within 21 to one day prior to start of session: The total fee deposited will be refunded after deducting NRs. 30,000/- as processing charges.
- Cancellation of admission after the start of session and before one week prior to first date of university registration submission: The total fee deposited will be refunded after deducting NRs. 50,000/- as processing charges.
- In cases other than above, only security deposit, last semester fee and survey camp/internship fee will be refunded.
- Provisionally admitted students are required to fulfill all the documentation process within one week of publication of +2 (or equivalent) result. If the student fails to do so or found to have submitted fake documents all the amount paid at the time of admission will be totally forfeited and no refund will be made.

Note: The management reserves all rights to make additions, alterations or modifications to, any or all, of the disciplinary codes stated above and bring about changes in the working hours and schedule of classes, without any prior notice. The students shall abide by the changes in the disciplinary codes and the changes to the rules and regulations made from time to time.
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 2019.

### Bachelor Degree Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Total Seats</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Architecture</td>
<td>48</td>
</tr>
<tr>
<td>B.E. (Civil)</td>
<td>144</td>
</tr>
<tr>
<td>B.E. (Computer)</td>
<td>96</td>
</tr>
<tr>
<td>B.E. (Electronics &amp; Communication)</td>
<td>96</td>
</tr>
<tr>
<td>B.E. (Electrical &amp; Electronics)</td>
<td>48</td>
</tr>
<tr>
<td>B.E. (Civil &amp; Rural)</td>
<td>48</td>
</tr>
<tr>
<td>B.E. (Civil) for Diploma Holders</td>
<td>48</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>528</strong></td>
</tr>
</tbody>
</table>

### 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 each subject 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 B.E. (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 (nET-2019)**. The entrance test will be paper based on multiple choice questions covering different areas mentioned in the table below:

<table>
<thead>
<tr>
<th>Course</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>25</td>
</tr>
<tr>
<td>Chemistry (Not applicable for B. Architecture)</td>
<td>15</td>
</tr>
<tr>
<td>Mathematics</td>
<td>40</td>
</tr>
<tr>
<td>English</td>
<td>20</td>
</tr>
<tr>
<td>Aptitude Test for B. Arch (In place of chemistry)</td>
<td>15</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100</strong></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Total Seats</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Sc. (Construction Management)</td>
<td>30*</td>
</tr>
<tr>
<td>M. Sc. (Natural Resource Management)</td>
<td>30</td>
</tr>
<tr>
<td>M. Sc. (Inter Disciplinary Water Resource Management)</td>
<td>30</td>
</tr>
<tr>
<td>M. Sc. (Transportation Engg. &amp; Management)</td>
<td>30</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>120</strong></td>
</tr>
</tbody>
</table>

*administered twice a year

### nec Entrance Test (nET - 2019) for bachelor level programs

on **25th Shrawan 2076 (10th August 2019)**, Saturday.
How to take **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.

**STEP 2**

Fill up the admission form with at most 3 preferred programs (BE or B. Arch) and appear for the **nec Entrance Test 2019 (nET-2019)**. Visit www.nec.edu.np for your nET 2019 result and verify your name in the merit list and program. There will be separate entrance test for M.Sc. and B.E. 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 chose to stay in the admitted program or can cancel the admission with full refund with in 10 days.
Activities & Educational Tours
2019 Sports Week
2019 Sports Week
Educational Tour
Activities

Non-teaching Staff Training at nec

Receiving token of love from Mayor (Bkt) at World Heritage Day

Personal Efficiency for Organizational Excellence Training at nec

Administrative Staff Training Program at NASC, Jawalakhel

nec modality report submission to MoE

Nepal Engineering Council visit to nec

Faculty Skill Development Program at NASC, Jawalakhel

SCITECH V13.1 Launch Program
Faculty Members
Department of Civil Engineering

Professors

Raghu Nath Prajapati  
NEC reg. 441 Civil  
(Program Co-ordinator)  
M.Sc. (Water Resource Engineering), IIE, Pulchowk, 2010  
B.E. (Civil), Khwopa Engineering College, P.U., 2005  
Research Interest:  
Soil and Rock Stabilization with New Technique

Bibhusn Chaudhary  
NEC reg. 173 Mechanical  
M.Sc. (Industrial Engineering), Norwegian University of Science & Technology, 2014  
B.E. (Mechanical), IIE, P.U., 2011  
Research Interest:  
Sustainability Logistics, Industrial Engineering and Innovative Entrepreneurship

Deepak Parajuli  
NEC reg. 170 Mechanical  
(On study leave)  
M.E. (Industrial and Manufacturing Engineering), AIT, Thailand, 2015  
B.E. (Mechanical), Nenana University, Chengdu, India, 2012  
Research Interest:  
Rapid Prototyping, Manufacturing

Professor

Hari Krishna Shrestha  
NEC reg. 5208 Civil  
(M.E. (Earthquake Engineering), Khwopa Engineering College, P.U., 2010)  
B.E. (Civil), IIE, Pulchowk Campus, 2005  
Research Interest:  
Seismic Risk Analysis, Seismic Loss Optimization

Rajiv Manandhar  
NEC reg. 11827 Civil  
M.E. (Earthquake Engineering), Khwopa Engineering College, P.U., 2010  
B.E. (Civil), IIE, Pulchowk Campus, 2005  
Research Interest:  
Buildings and Bridges

Associate Professors

Bibhusn Chaudhary  
NEC reg. 173 Mechanical  
M.Sc. (Industrial Engineering), Norwegian University of Science & Technology, 2014  
B.E. (Mechanical), IIE, P.U., 2011  
Research Interest:  
Sustainability Logistics, Industrial Engineering and Innovative Entrepreneurship

Deepak Parajuli  
NEC reg. 170 Mechanical  
(On study leave)  
M.E. (Industrial and Manufacturing Engineering), AIT, Thailand, 2015  
B.E. (Mechanical), Nenana University, Chengdu, India, 2012  
Research Interest:  
Rapid Prototyping, Manufacturing

Prabhakar Bist  
Diploma in Mechanical Engineering, CTEVT Nepal, 2013  
Research Interest:  
Soil and Rock Stabilization with New Technique

Anju Khoteja  
Diploma in Mechanical Engineering, IIE, Thapathali Campus, T.U., 2010  
Research Interest:  
Sustainability Logistics, Industrial Engineering and Innovative Entrepreneurship

Ram Bhattarai  
NEC reg. 5700 Civil  
M.Sc. (Mechanical Engineering), IIE, Pulchowk Campus, T.U., 2016  
B.E. (Mechanical), IIE, Pulchowk Campus, 2005  
Research Interest:  
Ground water modelling River Hydraulics

Nirmala Bokati  
NEC reg. 1026 Civil  
M.Sc. (Geotechnical Engineering), IIE, Pulchowk Campus, T.U. (Ongoing)  
B.E. (Civil), Karpur Engineering College, T.U., 2014  
Research Interest:  
Rock slope stability

Assistant Professors

Raghu Nath Prajapati  
NEC reg. 441 Civil  
(Program Co-ordinator)  
M.Sc. (Water Resource Engineering), IIE, Pulchowk, 2010  
B.E. (Civil), Khwopa Engineering College, P.U., 2005  
Research Interest:  
Soil and Rock Stabilization with New Technique

Bibhusn Chaudhary  
NEC reg. 173 Mechanical  
M.Sc. (Industrial Engineering), Norwegian University of Science & Technology, 2014  
B.E. (Mechanical), IIE, P.U., 2011  
Research Interest:  
Sustainability Logistics, Industrial Engineering and Innovative Entrepreneurship

Deepak Parajuli  
NEC reg. 170 Mechanical  
(On study leave)  
M.E. (Industrial and Manufacturing Engineering), AIT, Thailand, 2015  
B.E. (Mechanical), Nenana University, Chengdu, India, 2012  
Research Interest:  
Rapid Prototyping, Manufacturing

Prabhakar Bist  
Diploma in Mechanical Engineering, CTEVT Nepal, 2013  
Research Interest:  
Soil and Rock Stabilization with New Technique

Anju Khoteja  
Diploma in Mechanical Engineering, IIE, Thapathali Campus, T.U., 2010  
Research Interest:  
Sustainability Logistics, Industrial Engineering and Innovative Entrepreneurship

Ram Bhattarai  
NEC reg. 5700 Civil  
M.Sc. (Mechanical Engineering), IIE, Pulchowk Campus, T.U., 2016  
B.E. (Mechanical), IIE, Pulchowk Campus, 2005  
Research Interest:  
Ground water modelling River Hydraulics

Nirmala Bokati  
NEC reg. 1026 Civil  
M.Sc. (Geotechnical Engineering), IIE, Pulchowk Campus, T.U. (Ongoing)  
B.E. (Civil), Karpur Engineering College, T.U., 2014  
Research Interest:  
Rock slope stability

Assistant Professors

Bibhusn Chaudhary  
NEC reg. 173 Mechanical  
M.Sc. (Industrial Engineering), Norwegian University of Science & Technology, 2014  
B.E. (Mechanical), IIE, P.U., 2011  
Research Interest:  
Sustainability Logistics, Industrial Engineering and Innovative Entrepreneurship

Deepak Parajuli  
NEC reg. 170 Mechanical  
(On study leave)  
M.E. (Industrial and Manufacturing Engineering), AIT, Thailand, 2015  
B.E. (Mechanical), Nenana University, Chengdu, India, 2012  
Research Interest:  
Rapid Prototyping, Manufacturing

Prabhakar Bist  
Diploma in Mechanical Engineering, CTEVT Nepal, 2013  
Research Interest:  
Soil and Rock Stabilization with New Technique

Anju Khoteja  
Diploma in Mechanical Engineering, IIE, Thapathali Campus, T.U., 2010  
Research Interest:  
Sustainability Logistics, Industrial Engineering and Innovative Entrepreneurship

Ram Bhattarai  
NEC reg. 5700 Civil  
M.Sc. (Mechanical Engineering), IIE, Pulchowk Campus, T.U., 2016  
B.E. (Mechanical), IIE, Pulchowk Campus, 2005  
Research Interest:  
Ground water modelling River Hydraulics

Nirmala Bokati  
NEC reg. 1026 Civil  
M.Sc. (Geotechnical Engineering), IIE, Pulchowk Campus, T.U. (Ongoing)  
B.E. (Civil), Karpur Engineering College, T.U., 2014  
Research Interest:  
Rock slope stability

Junior Professors

Nirmala Bokati  
NEC reg. 1026 Civil  
M.Sc. (Geotechnical Engineering), IIE, Pulchowk Campus, T.U. (Ongoing)  
B.E. (Civil), Karpur Engineering College, T.U., 2014  
Research Interest:  
Rock slope stability

Prabhakar Bist  
Diploma in Civil Engineering, CTEVT Nepal, 2008  
Research Interest:  
Soil and Rock Stabilization with New Technique

Nirajan Raj Chaudhary  
Diploma in Civil Engineering, Acme Engineering College, CTEVT, Nepal, 2008  
Research Interest:  
Soil and Rock Stabilization with New Technique

Junior Instructors

Anju Khoteja  
Diploma in Mechanical Engineering, IIE, Thapathali Campus, T.U., 2010  
Research Interest:  
Soil and Rock Stabilization with New Technique

Shushil Shrestha  
Diploma in Mechanical Engineering, Tribhuvan University, 2005  
Research Interest:  
Soil and Rock Stabilization with New Technique

Sushil Shrestha  
Diploma in Civil Engineering, CTEVT Nepal, 2013  
Research Interest:  
Soil and Rock Stabilization with New Technique

Sushil Shrestha  
Diploma in Civil Engineering, CTEVT Nepal, 2013  
Research Interest:  
Soil and Rock Stabilization with New Technique

Mansij Poudel  
NEC reg. 7449 Civil  
M.S. (Mechanical and Aerospace Engineering) University of Missouri-Columbia, USA, 2018  
B.E. (Mechanical), IIE, Pulchowk Campus, T.U., 2012  
Research Interest:  
Computational Fluid Dynamics, Multiphase Flows, HVAC, Renewable Energy Technologies, Machine Learning

Shushil Giri  
NEC reg. 8533 Civil "A"  
M.Sc (Electrotechnical Engineering), IIE, Pulchowk Campus, T.U., 2011  
Research Interest:  
Soil consolidation and settlement, Stabilization of soil, Slope stability, Retaining walls

Assistant Professors

Bibhusn Chaudhary  
NEC reg. 173 Mechanical  
M.Sc. (Industrial Engineering), Norwegian University of Science & Technology, 2014  
B.E. (Mechanical), IIE, P.U., 2011  
Research Interest:  
Sustainability Logistics, Industrial Engineering and Innovative Entrepreneurship

Deepak Parajuli  
NEC reg. 170 Mechanical  
(On study leave)  
M.E. (Industrial and Manufacturing Engineering), AIT, Thailand, 2015  
B.E. (Mechanical), Nenana University, Chengdu, India, 2012  
Research Interest:  
Rapid Prototyping, Manufacturing

Prabhakar Bist  
Diploma in Civil Engineering, CTEVT Nepal, 2008  
Research Interest:  
Soil and Rock Stabilization with New Technique

Nirajan Raj Chaudhary  
Diploma in Civil Engineering, Acme Engineering College, CTEVT, Nepal, 2008  
Research Interest:  
Soil and Rock Stabilization with New Technique
Junior Professor

Anil Sapkota \textit{NEC} \textsc{reg}. 180 \textit{Mechanical}\nM.Sc. in Mechanical System Design and Engineering, Pulchowk, IoE, 2017\nResearch Interest: Fluid turbines, Conceptual fluid Dynamic

Assistant Professors

Ram Prasad Sawai \textit{NEC} \textsc{reg}. 155 \textit{Architecture}\n(Media Relations Officer)\nM. Sc. (Urban Design & Conservation), Khwopra Engineering College, PL, 2012\nB. Arch., Khwopra Engineering College, Pulchowk, 2006\nResearch Interest: Urban Design and Conservation, Innovative Design,

Anil Kumar Regmi \textit{NEC} \textsc{reg}. 198 \textit{Architecture}\nM. Sc. (Construction Management), Khwopra University, 2008\nB. Arch., Khwopra University, 2005\nResearch Interest: Construction Management, Land Development

Sanjala Pokhrel \textit{NEC} \textsc{reg}. 439 \textit{Architecture}\n(Chief-Student Welfare and Extracurricular Activities)\nM. Arch., Russian People's Friendship University, Russia, 2004\nB. Arch., Russian People's Friendship University, Russia, 2002\nResearch Interest: Heritage Conservation, Traditional Architecture

Shyaml Sunder Kawan \textit{NEC} \textsc{reg}. 471 \textit{Architecture}\nM. Sc. (Urban Planning), University of Hong Kong, Hong Kong, 2012\nB. Arch., Khwopra Engineering College, Pulchowk, 2006\nResearch Interest: Urban Design, Built Environment

Sharada Poudel \textit{NEC} \textsc{reg}. 106 \textit{Architecture}\nM. Sc. Engineering (Disaster Risk Management), IIE, 2016\nB. Arch., Kathmandu Engineering College, T.U., 2009\nResearch Interest: Sustainable Architecture

Department of Architecture

Professor

Vijay Bunathoki \textit{NEC} \textsc{reg}. 198 \textit{Civil}\nMaster of Urban & Regional Planning, Virginia Polytechnic Institute and State University, USA, 1984\nB. Arch., University of Roorkee, India, 1975\nResearch Interest: Vernacular Arch., Urban Planning

Associate Professor

Baburam Bhattacharai \textit{NEC} \textsc{reg}. 117 \textit{Architecture}\n(Head of the Department)\nM.Sc. (Urban Planning), IoE, Pulchowk Campus, 2008\nB. Arch., Tribhuvan University, 2002\nResearch Interest: Land Development, Infrastructure Planning

Yojana Tuladhar \textit{NEC} \textsc{reg}. 17 \textit{Architecture}\nM. Arch, The Ohio State University of Civil Engg. And Architecture, Ukrain, 1996\nResearch Interest: Landscape Architecture

Krishna P. Bhuju \textit{NEC} \textsc{reg}. 148 \textit{Civil}\nM. Arch., Saint Petersburg State University of Architecture & Civl Engg, Russia, 1996\nResearch Interest: Landscape Architecture, Interior Design

Nhasala Sayami \textit{NEC} \textsc{reg}. 14 \textit{Architecture}\nM.Sc. (Urban Planning), IoE, Pulchowk Campus, T.U., 2010\nB Arch., Tribhuvan University, 2001\nResearch Interest: Urban Planning, Urban Change, Landscape Architecture

Rupali Tamrakar \textit{NEC} \textsc{reg}. 171 \textit{Architecture}\nM. Sc. (Urban Design & Conservation), Khwopra Engineering College, PL, 2014\nB Arch., Khwopra Engineering College, Pulchowk, 2010\nResearch Interest: Urban Design & Conservation

Usha Mandal \textit{NEC} \textsc{reg}. 15 \textit{Architecture}\nM. Sc. (Urban Design & Conservation), Khwopra Engineering College, Pulchowk, 2014\nB. Arch., Tribhuvan University, 2001\nResearch Interest: Settlement Development and Conservation

Pujita Upadhyaya \textit{NEC} \textsc{reg}. 803 \textit{Architecture}\nM. Sc. (Urban Design & Conservation), Khwopra Engineering College, PL, 2016\nB Arch., Khwopra University, 2008\nResearch Interest: Conservation

Department of Science and Humanities

Professors

Nabin Ghising \textit{NEC} \textsc{reg}. 678 \textit{Architecture}\nM.Sc. (Construction Management), Khwopra University, 2011\nB. Arch., Khwopra University, 2009\nResearch Interest: Urban Design and Construction Management

Sweta Amaty Shrestha \textit{NEC} \textsc{reg}. 480 \textit{Architecture}\nM. Sc. (Civil Engineering) Disaster Risk Management, IIE, 2013\nB. Arch., Kathmandu Engineering College, T.U., 2009\nResearch Interest: Disaster Risk Management, Urban Context

Assistant Professors

Rabindra K. Budathoki (Program Officer, nec-BOH)\nM.Sc. (Physics), Tribhuvan University, 1998\nResearch Interest: Advanced Solid State Physics, Particle Physics

Siddhi Prasad Pradhanang (Head of Department)\nM. Phil, Kathmandu University, 2013\nM.Sc. (Math), Tribhuvan University, 1997\nResearch Interest: Applied Mathematics

Sudhanta Pradhan (Shrestha)\nM.Sc. (Chemistry), Tribhuvan University, 1993\nResearch Interest: Bio-inorganic Chemistry, Co-ordination Chemistry

Prabin Baner \nM.Sc. (Chemistry), Tribhuvan University, 2005\nResearch Interest: Electrochemistry

Department of Civil & Rural Engineering

Professors

Dr. Ganeshe Sah \textit{NEC} \textsc{reg}. 225 \textit{Agriculture}\nPh.D., Conservation Agriculture, T.U., 2016\nM. E. (Ag.), Farm Machinery and Power, T.U., 2017\nResearch Interest: Farm Power and Machinery & Resource Conservation Technologies

Assistant Professor

Sudjay Birena Shal \textit{NEC} \textsc{reg}. 288 \textit{Civil}\nM.Sc. (Geotechnical Engineering), IoE, Pulchowk Campus, T.U., 2016\nBE. (Civil and Rural), T.U., 2013\nResearch Interest: Slope Stabilization, Tunneling

Binay Kumar Sah \textit{NEC} \textsc{reg}. 1716 \textit{Civil}\nM.Sc. (Construction Management), nec, PL, 2019\nB. E. (Civil),Cosmos College, Pulchowk, 2014\nResearch Interest: Advanced technology for development of masonry structure

Junior Professor

Yaman Dhalai \textit{NEC} \textsc{reg}. 49 \textit{Civil & Rural}\n(Head of Department)\nM.Sc. (Civil Engineering), nec, PL, 2019\nBE. (Civil and Rural), nec, PL, 2013\nResearch Interest: Material management system in construction industry

Dharmendra Bagol \textit{NEC} \textsc{reg}. 132 \textit{Agriculture}\nM. Sc. (Agriculture), Tribhuvan University, 2019\nMA (Rural Development), Mid-Western University, Sukhetel, 2016\nB E (Agriculture), IDE, T.U., Dhanas, 2010\nResearch Interest: Integrated Water Resource Management

Rakshya Dhanup \textit{NEC} \textsc{reg}. 25 \textit{Civil & Rural}\nM.Sc. (Geotechnical Engineering), IDE, T.U., 2018\nBE. (Civil), and T.U., 2013\nResearch Interest: Liquidation modeling, Ground Improvement technique

Pratibha Parajali \textit{NEC} \textsc{reg}. 1345 \textit{Civil}\nM.Sc. (Urban Planning), IoE, Pulchowk, 2016\nB. E. (Civil), IDE, T.U., 2016\nResearch Interest: Solution for Parking Problem, Congestion in urban area

Visiting Professor

Dr. Michael Templeton (UK)\n(Chaired Civil Engineer and Reader)\nPublic Health Engineering in the Department of Civil and Environmental Engineering, Imperial College London\nPhD in Civil Environmental Engineering University of Toronto, Canada\nBachelor's Degree in Engineering Science

Rakesh Dhamu \textit{NEC} \textsc{reg}. 469 \textit{Civil}\nPh.D. University of Porto, Portugal, Civil, Engineering, 2018\nM.Sc. (Structural Engineering), IDE, Pulchowk Campus, 2011\nB.E. (Civil), IDE, Pulchowk Campus, 2009\nResearch Interest: Performance Assessment of Existing Infilled Reinforce Cement and Heritage building in Nepal

Department of Co-ordination Chemistry

Prabin Basnet \textit{NEC} \textsc{reg}. 1400 \textit{Architecture}\nM.Arch., Saint Petersburg State University of Architecture And Civil Engg., Russia, 1996\nB.Arch., Riga Technical University, Latvia, 1995\nResearch Interest: Architecture

Abstract Algebra, Module Theory

Disaster Risk Management, Urban Context
Department of Science and Humanities

**Assistant Professor**

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

Yade Narayan Gaire
M.Sc. (Statistics), Tribhuvan University, 2010
Research Interest:
Econometrics

Kishor Dhungana
M.A, English, Tribhuvan University, 2008
Research Interest:
Cultural Studies

Bishnu Prasad Bhandari
M.Sc. (Mathematics), Tribhuvan University, 2009
Research Interest:
Mathematical Analysis

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

Dhiba Raj Pandey
M.Sc. (Mathematics), Tribhuvan University, 2011
Research Interest:
Partial Differential Equation

Lok Narayan Pokhrel
M.Sc. (Physics), Tribhuvan University, 2013
Research Interest:
Astrophysics, Cosmology

Assistant Instructor

Dili Raj Pradhan
B.Sc. (Physics), Tribhuvan University, 2011

Dhana Pr. Poudel
B.Sc., Tribhuvan University, 2008

Department of Electrical & Electronics Engineering

**Associate Professor**

Madan Raj Chapagai
BSc. (Power System), IIT, T.U. 2006
M.Sc. (Electrical and Electronic Engineering), BUET, 1995
Research Interest:
Power System Automation & Smart Grid

Dilraj Pandey
M.Sc. (Mathematics), Tribhuvan University, 2011
Research Interest:
Surface Modification of Polymer (Plasma)

Assistant Professors

Narayan Prasad Acharya
BSc. (Power Engineering), Brandenburgische Technische Universität Cottbus, Germany, 2011
M.Sc. (Electronics and Communication), BUET, 2003
Research Interest:
Solar Photo Voltaic System & Power System

Avinash Khatri KC
M.E. (Master in Planning & Operation of Energy Systems), KU, Nepal, 2019
B.E. (Electrical & Electronics Engineering), KU, Nepal, 2016
Research Interest:
Distribution System, Distributed Generation

Assistant Professor

Ananda Tewari
B.Tech. (Electrical Engineering), Uttar Pradesh Technical University, India, 2012
Research Interest:
Fuzzy & Artificial Neural Network Technology, Flexible AC Transmission System, Control System Engineering

Assistant Professors

Ajaya Lal
BSc. (Electrical Engineering), IIT, T.U. 2012
Research Interest:
Intelligent Digital Electronics, Instrumentation System

Avinash Singh
B.E. (Electronics & Communications), KU, Nepal, 2011
Research Interest:
Wireless Communication

Department of Electronics & Communication Engineering

**Assistant Professor**

Nisha Regmi
M.Sc. (Electrical Engineering), Kathmandu University, Nepal, 2017
B.E. (Electrical & Electronics Engineering), Kathmandu University, Nepal, 2014
Research Interest:
Disturbance System, Distributed Generation

Suji Acharya
Research Interest:
Power System, Aircraft Engineering, Fuel Cell engineering

Junior Professors

Ganesh Adhikari
M.E. (Computer Engineering), IIT, T.U. 2006
Research Interest:
Intelligent Digital Electronics, Instrumentation System

Durgesh P. Bhandari
BSc. (Electronics), Nagpur University, India, 1998
Research Interest:
Intelligent Electronics, VLSI

Assistant Professor

Rupesh Dahal Shrestha
M.E. (Information & Communication), IIT, T.U. 2013
B.E. (Electronics), Pulchowk Campus, T.U., Nepal, 2011
Research Interest:
Robotics (Machine Intelligence), Digital Signal Processing, Embedded System Design

Nabin Poudel
M.Sc. in Communication and Knowledge Engineering, Paschimanchal Eng. Campus, Pokhara, T.U, 2018
B.E. (Electronics & Communication), Pulchowk Engineering College, PU, 2011
Research Interest:
RF and Microwave engineering, Artificial Intelligence, Computer vision and image processing.

Ramshon Kumar Podasaini
M.Sc. (Master of Science in Information System Engineering), Purbananchal University, 2017
Research Interest:
Wireless Communication, Networking

Senior Instructor

Gyan Bhakta Maharjan
Diploma in Electrical Engineering, CTEVT, 1993

Department of Electrical & Electronics Engineering

**Associate Professor**

Deepa Prakash Guragai
B.E. Tech. in Embedded System, IIT, T.U. 2015, India
Research Interest:
Embedded System, Internet of things, Hardware design and FPGA

Kailash Karthik
M.Sc. in Communication and Radar System, I.T., University, India, 2017
B.E. (Electronics and Communication), nuc, Pokhara University, 2013
Research Interest:
Wireless Communication, Automation, Networking

Nabin Poudel
M.Sc. in Communication and Knowledge Engineering, Paschimanchal Eng. Campus, Pokhara, T.U. 2018
B.E. (Electronics & Communication), Pulchowk Engineering College, PU, 2011
Research Interest:
RF and Microwave engineering, Artificial Intelligence, Computer vision and image processing.

Assistant Professors

Anil Kumar Yadav
M.Tech. (Computer Systems), National Institute of Technology, India, 2011
Research Interest:
Wireless Communication, Automation, Networking

Assistant Professors

Sachin Shrestha
B.E. (Electronics & Communications Engineering), Pulchowk Campus, T.U., 2007
Research Interest:
Low Power Embedded System Design, Biomedical Signal Processing

Ramesh Kumar Pudasaini
M.Sc (Master of Science in Information System Engineering), Purbananchal University, 2017
Research Interest:
Wireless Communication, Networking

Gyan Bhakta Maharjan
Diploma in Electrical Engineering, CTEVT, 1993

Research Interest:
RF and Microwave engineering, Artificial Intelligence, Computer vision and image processing.
Assistant Professor

**Rupesh Karna**

**Diploma in Electronics, TU, 2011**

Department of Computer Science & Engineering

---

Assistant Professor

**Menaka Mahajan**

**M.E. (Computer), NIT, Bhagalpur, 2014**

Research Interest:

*Natural Language Processing*

---

Assistant Professor

**Chayan Hada**

**M.Sc. (Information & Communication Engg), IIT, T.U., 2013**

Research Interest:

*Computer Networks*

---

Assistant Professor

**Rohit G. Bal**

**M.E. (Computer Science & Engineering), Anna University, Chennai, 2014**

Research Interest:

*Computer Security and Steganography*

---

Assistant Professor

**Krishna Bikram Shah**

**M.Tech (Computer Science and Engineering), IIT, Kharagpur, 2012**

Research Interest:

*Artificial Intelligence*

---

Assistant Professor

**Dinesh Dangol**

**M.Sc. (Computer Science and Engineering), IIT, Madras, 2009**

Research Interest:

*Computer Science*

---

Assistant Professor

**Bishawdeep Mainali**

**M.Sc. (Computer Science and Engineering), SMIT, Pokhara University, 2015**

Research Interest:

*Network Security*

---

Assistant Professor

**Jhumi Thapa**

**M.Sc. (Computer Science), Banaras Hindu University, 2013**

Research Interest:

*Cloud Computing*

---

Assistant Professor

**Ashish Kumar Jha**

**M.Tech in Computer Science, Sharda University, 2017**

Research Interest:

*Image Processing*

---

Assistant Professor

**Traikalya Raj Ojha**

**M.Sc. (IT, Software Engineering), Tampere University of Technology, Finland, 2014**

Research Interest:

*Big Data, Automatic Machine Learning*

---

Assistant Professor

**Ishwor Pahkali**

**M.E. (Computer Engineering), IIT, Kharagpur, 2013**

Research Interest:

*Big Data, Machine Learning, Large Scale Data Processing*

---

Assistant Professor

**Deepak B. Dhami**

**M.Sc. (Information Technology), University of Kashmir, J&K, 2002**

Research Interest:

*Data Mining, Machine Learning, Artificial Intelligence*

---

Assistant Professor

**Anil Parekh**

**M.Tech (Computer Science and Engineering), Kalash University, Nepal, 2011**

Research Interest:

*Computer Science*

---

Assistant Professor

**Khem Raj Sharma**

**Ph.D. (Agricultural Engineering), Central University of Jammu, 2015**

Research Interest:

*Integrated Water Resource Management*

---

Associate Professor

**Narayan Prasad Koju**

**M.Sc. in Environmental Engineering, University of California, Davis, 2007**

Research Interest:

*Integrated Water Resources Management*

---

Assistant Professor

**Narayan Prasad Koju**

**Ph.D. (Environmental Engineering), University of California, Davis, 2007**

Research Interest:

*Integrated Water Resources Management*

---

Assistant Professor

**Ashish Chandra**

**M.Sc. in Environmental Engineering, Central University of Jammu, 2015**

Research Interest:

*Integrated Water Resources Management*

---

Assistant Professor

**Ramendra Pratap Yadav**

**M.Tech (Environmental Engineering), Central University of Jammu, 2015**

Research Interest:

*Integrated Water Resources Management*
ADMINISTRATIVE STAFF

Administration Section

(From left-front) Manohar Khanal, Pradnuma Neupane, Shreema Sharma (General Administrator), Bashanta Bajracharya, Bharat Khanal, Pawan Karki (from left-at back row) Abhijeet Poudel, Shova Khanal, Pramila Khanal, Laxmi Neupane, Bimila Gurung

Information and Communication Technology (ICT) Center

(From left) Govardan Neupane, Jagannath Aryal, Dinesh Dangol (HOD - Computer Science & Engineering Department) & Niroj Magar

Examination Section

(From left-front) Krishna Maharjan, Rosina Mali (Chief), Sundar Kunwar (from left-at back row) Shree Ram Khanal & Sujan Lama

Library

(From left) Pabita Khanal, Bandana Neupane, Sumitra Shakya, Batuli Magar & Ganga Neupane

(From left-front) Shaishala Joshi, Ram Kumar Shrestha (Finance Controller) & Shreema Sharma, (from left-at back row) Srijana Lama, Roshan Neupane & Mitranath Gelal

Account Section

(From left) Govardan Neupane, Jagannath Aryal, Dinesh Dangol (HOD - Computer Science & Engineering Department) & Niroj Magar

Electronics & Electrical Laboratories

(From left-front) Govardan Neupane, Jagannath Aryal, Dinesh Dangol (HOD - Computer Science & Engineering Department) & Niroj Magar

(From left) Rishi Ram Neupane, Suman Prajapati, Pradeep Thapa, Babu Krishna Khanal

Civil Lab Technicians

(From left) Bharat Khanal, Subash Sharma, Pramina Sharma, Janak Thapa

Student Welfare Division

Pralhad Neupane, Sankalp Pokharel (Chief) & Satya Pd. Khanal

Girls Hostel

Sita Khatri, Ms. Yam Kumari Gir (Hostel Incharge)

(From left-front) Shaishala Joshi, Ram Kumar Shrestha (Finance Controller) & Shreema Sharma, (from left-at back row) Srijana Lama, Roshan Neupane & Mitranath Gelal

Store/Procurement

Krishna Bahadur Bhadel, Laxman Basnet & Yogesh Nandan Joshi (Chief)

www.nec.edu.np
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:

<table>
<thead>
<tr>
<th>S.N.</th>
<th>DESIGNATION</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Prof.</td>
<td>Dr. Hari Krishna Shrestha</td>
</tr>
<tr>
<td>2</td>
<td>Assoc. Prof.</td>
<td>Ram Sthapit</td>
</tr>
<tr>
<td>3</td>
<td>Assoc. Prof.</td>
<td>Dhiraj Kumar Das</td>
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<td>Narayan Prasad Acharya</td>
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<td>Rupesh Dahi Shrestha</td>
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<td>Sundar Kunwar</td>
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<td>Dinesh Dangol</td>
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<td>Bijaya Shrestha</td>
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<td>Dibangar Khoteja</td>
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<td>Dibyashree Lohani Poudyal</td>
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<td>16</td>
<td>Asst. Prof.</td>
<td>Raghu Nath Prajapati</td>
</tr>
</tbody>
</table>
Success Stories!

Er. Prativa Devkota
Software Engineer Hewlett Packard Enterprise
BE Computer, 2010 Batch

Er. Roshan Pandey
Software Engineer at LogPoint
BE Computer, 2013 Batch

Er. Wanita Sherchan
Research Scientist in IBM Research Australia
B.E. Computer, 1999 Batch

Er. Nirajan Timalsina
Senior Software Engineer, Logpoint
BE Computer, 2011 Batch

Rajan Kanu Baniya
Radio Frequency Engineer,
Huawei Technologies Nepal Co., Pvt. Ltd
BE Electronics and Communication, 2013 Batch

Chandra Laxmi Hada
Urban Planning/Disaster Management,
Massachusetts Institute of Technology
B.Arch, 1996 Batch

Shristi Heuju
Telecom Engineer at Nepal Telecom
BE Electronics and Communication, 2012 Batch

Dakshata Shahi
Architect at Sankhanath Rimal Engineers & Architects
B.Arch, 2013 Batch
Raju Ghimire
Senior Engineer in Obayashi-Shimuzu–JHE-IHI Joint Venture (OSJI-JV), Bangladesh
B.E. Civil, 1999 Batch

Sangita Malla Rana
Water Resources Engineer at Tarrant Regional Water District, a raw water supplier in North Central Texas
B.E. Civil, 1999 Batch

Satish Kr. Shah
Engineer, Road Division, Bhaktapur
B.E. Civil & Rural, 2014 Batch

Anil Pokhrel
Dept. of Water Resource and Irrigation, Ministry of Physical Infrastructure Development
B.E. Civil & Rural, 2013 Batch

Er. Gopal Sharma
Senior Divisional Engineer (Division Chief) Water Resources and Irrigation Development Division
B.E. Civil (For Diploma Holders), 2008 Batch

Kamal Bikram Khadka
Engineering Specialist at UNICEF, Headquarter New York
B.E. Civil, 1999 Batch

Er. Mani Ram Gelal
Director General, Department of Urban Development and Building Construction
M.Sc. Construction Management, 2000 Batch

Er. Mon Devi Shrestha
Deputy Director General, Department of Electricity Development
M.Sc. iWRM, 2007 Batch

Success Stories!