

GLORY OF HIST

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HIST
Helps Your
Dreams
Take A Flight



**HIMALAYAN INSTITUTE OF
SCIENCE AND TECHNOLOGY (Pvt.) Ltd.**
HIST-Engineering College

(Affiliated to Purbanchal University)

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Publisher's Note

HIST Helps Your Dreams Take Flight

It's, in fact, a real pleasure to be acquainted with you through this magazine. With over 10 years of educational excellence, well-assured that this institution continues to provide a cut-above education for empowerment of our future generation in an advanced way.

Reinforced by quality infrastructure and high-profile experienced faculty, the Himalayan Institute of Science and Technology (HIST) is here to shape each student to the requirement of engineering needs. This institution gives you the education and skills a student requires for a successful professional life along with a deservedly pleasant feeling of a sense of achievement.

This college has not only been providing students the opportunity to learn and thrive in academics but has encouraged them to discover the real strength within them.

In fact, we have excelled in academics. Simultaneously, we provide to the students equal opportunities to learn, explore, and envision about various things such as sports, field visits, among other extra-curricular activities because we believe that success comes to those who dare and act. Moreover, our experienced professors have been successful in providing students the opportunity by bringing years of wide-ranging research and experience to the classrooms. Professors and teachers here at HIST-Engineering College mentor students through team-based approaches, including presentations to resolve any challenges. This has help students to metamorphosing themselves into a decent human being and enabling him/her to carve a worthy career. We also believe that those who step in this institution are undoubtedly making the right step forward. HIST-Engineering College boasts of producing graduates, who are working at the forefront of government, communications, energy, manufacturing, transportation, and several other sectors and have set high standards for themselves. Among other key features, HIST-Engineering College is committed to competency-based assessments and problem-based teaching method with a high-quality blended curriculum. We will continue to develop and groom our students to expand their horizons. However, we have miles to go.



A Partner In Creating A Better World

In the era of globalization of education, quality education is the benchmark. Therefore, a college, besides, imparting quality education for the pursuit of a career, will strive to provide general knowledge by introducing real-life situations to the students. In fact, someone with a wide spectrum of knowledge is sure to outstand in any sector.

A college providing students with several opportunities, such as outside of class activities, laboratories, libraries, sports, internships, volunteer activities, or even jobs, has its own niche. These opportunities, in fact, help students to expand their routine classroom activities to expand on their beliefs and values. Such activities also help students make their college experience unique, besides, understanding themselves. Hence, the college experience is not only a great opportunity for a student it is also a necessity since it is directly linked with the sustenance and enhancement of quality. That's why technology, now, has become so important for everyone.

Students are often found caught up in a state of confusion when it comes to choosing their career. Having a sound knowledge of technology or engineering will help him/her to fit in all sectors. Moreover, technology has changed every sector making life easier making our lives easier.

Therefore, with the essential purpose to inform and inspire students, parents, alumni, faculty, staff, and well-wishers, HIST-Engineering College has published this magazine to portray its policy and

programs, its mission and its history, and its challenges in all these years. The magazine, first of its kind in HIST-Engineering College's history, endeavors to reflect the principles of the institution.

Through this magazine, we also want to convey the message that we endeavor to realize our mission of providing quality education, the basics of high-value education, and other opportunities to the students. We believe that our students acquire the knowledge and skills that would provide them a base of their careers. HIST-Engineering College takes pride to ensure that every student has access to a high-quality, inspiring, and affordable education. Since the beginning, HIST-Engineering College has, therefore, made education a leading priority by offering the best resources and facilities such as a resourceful library, state-of-the-art labs, learning center, and other facilities to support their learning.

Another best part about HIST-Engineering College is that it is located in the heart of the city at New Baneswor, which is easily accessed by public transport or otherwise, from any part of the Kathmandu Valley.

Despite lack of government support, HIST-Engineering College has so far cultivated the most educated workforce in the country, which has supported an unparalleled period of economic growth of the country. HIST-Engineering College produces responsible and highly-skilled citizens by providing our students with capabilities they require to become economically productive wherever they go.

Introduction



Himalayan Institute of Science and Technology (Pvt. Ltd.), HIST-Engineering College, affiliated to Purbanchal University, has been a student-centric institution encompassing innovative, experimental and learning skills

by inculcating ethics, endurance, strength, and truth.

Located in New Baneshwor, Kathmandu, the HIST-Engineering College has been one of the well-established and reputed colleges in Nepal since its establishment in

2002 (2059 BS). The HIST-Engineering College has been serving as a center of attraction for the prospective students of the Bachelors and Masters programs. It offers the Bachelor's academic program in the morning shift (6:30 am - 12:30 pm) and the Master's programs in the evening shift (5:30 pm- 8:30 pm). Putting every effort to abide by the norms and guidelines set by the Purbanchal University and Nepal Engineering Council, the HIST-Engineering College has been making a steady rise in its overall academic performance.

The college is easily accessible from the New Baneshwor bus-stand just beside the Everest Hospital.

Infrastructure

HIST-Engineering College is housed in its own building. The main building houses departments, lecture halls, computer lab, drawing halls and administrative offices. The main building of the south-west side has been specially designed and built for library and hydraulics labs.

For further extension of the laboratories, building on the southern side of the main

building is being constructed. Realizing the need for an access to information, the college has provided optical fiber-based broadband internet connectivity.

A conducive environment has been created at HIST-Engineering College to further enhance the classroom knowledge by means of engineering projects. Students at HIST-Engineering

College spend their free time in productive works, such as engaging themselves in hardware and software projects in the project hall thus reinforcing their theoretical knowledge.





Vision, Mission and Objectives

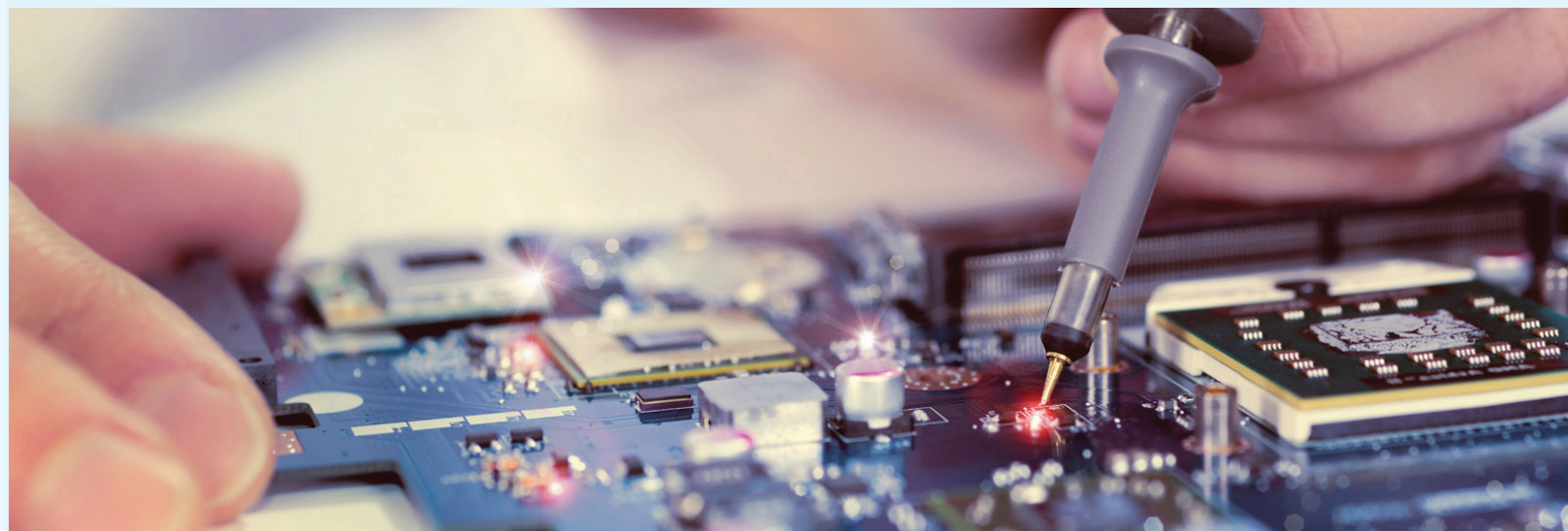
The vision, mission, and objectives of the HIST-Engineering College have been redefined and streamlined in its vision document 2012.

To state precisely, the college management is committed to engaging in all sorts of planning, strategies, and activities to achieve the set objectives and goals of the College, thereby, helping enhance the dignity of the College and University it is affiliated with.

In its 20-year period, by 2032 (2089 BS), the Himalayan Institute of Science and Technology (HIST) will excel in global competitiveness and establish itself as one of the major Centers of

Learning in the field of science and technology in Nepal by transforming itself into a deemed Technological University.

HIST-Engineering College fulfills its educational mission by imparting education to its students in a learning-centered environment valuing excellence in teaching that helps in fostering critical thinking and decision making. Moreover, this institution is committed to continuous improvement of the students by providing affordable, understandable, and a wide learning opportunity in a genial environment.



Vision

- To conduct Bachelors and Masters Levels of engineering degree courses to produce skilled human resources to fulfill the need for the nation’s development.
- To produce quality engineers and managers as highly qualified human resources as per the international standards.
- To establish and promote quality engineering education and, thereby, fostering the sound foundation for responsible professionalism in the engineering sector.
- To plan and act continuously for the capacity building of the College towards the goal of making it a center of learning and ultimately a deemed Technological University.



Mission

- To be a student-centric institution assimilating innovative, experimental and other learning skills
- To inculcate professional and entrepreneurial ethics, skill and values
- To guide aspiring students to unleash their potential
- To benefit society, humanity, and the nation through research-based problem-solving development
- To empower future engineers with the state-of-art technology
- To promote research and consultancy in the sector

Objectives

- To conduct Bachelors and Masters Levels of engineering degree courses to produce skilled human resources to fulfill the need for the nation’s development.
- To produce quality engineers and managers as highly qualified human resources as per the international standards.
- To establish and promote quality engineering education and, thereby, fostering the sound foundation for responsible professionalism in the engineering sector.
- To plan and act continuously for the capacity building of the College towards the goal of making it a center of learning and ultimately a deemed Technological University.





Why HIST Engineering College?

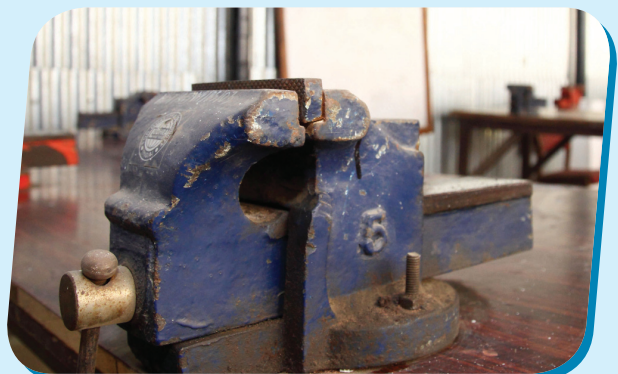
There are several reasons why an aspiring student should choose HIST-Engineering College for pursuing Bachelor/Master Degree in engineering. Following are some of the prominent ones.

- Location-wise, HIST-Engineering College is easily accessible and has a naturally serene atmosphere favorable for studies.
- The College has the most affordable fees that the deserving students may find comfortable.
- The College has, in the past one year, upgraded its necessary infrastructure enabling better teaching-learning environment and will continue to do so.
- The College provides qualified and experienced teaching faculties who will be easily approachable by the students as well as in organizing related field visits to project sites and industries.
- The College takes a shift from the conventional easy-going trend towards strict adherence to the academic calendar and other semester assessment routines.
- The College has a well-equipped laboratory, as well as workshop and library facilities. It ensures full support for students' exposure to any innovative extra-curricular activities.
- The College provides connectivity to the job market and facilitates an environment congenial to the requirements of the job market-government and the private sector.

Laboratory and Workshop

Laboratory and workshop are an integral part of an engineering college. This is a part that distinguishes an engineering college from other art or management colleges. Therefore, this is also a part, where students must attend, experiment, write reports and learn practically to answer the questions such as why, how, and what. HIST-Engineering College at its premises has a set of well-equipped laboratories both for civil engineering, and electronics and communications engineering. At different semesters, students have to perform various experiments in different labs.

Students aspiring to become a responsible engineer in future must understand that the laboratory, workshop, the field visits, and the survey camp are the places of real learning. Moreover, the project work assigned to a student during his/her final year should be understood as an assignment to test yourself as how much of you have transformed into an engineer. If you bunk a lab, workshop, survey camp, and cheat the project work, then you should consider that you have probably shaken yourself professionally.



Programs Offered

At present, the following programs are run by the HIST-Engineering College:

A. B.E. Programs

(Morning shift from 6:30 to 12:30 hrs)

Under the B.E. Program, the College offers two 4-year degree courses. They are:

- Electronics and Communications Engineering (30 seats), and
- Civil Engineering (60 seats)

Whole course will be taught in eight semesters, each semester with duration of six months.

B. M. Sc. Programs

(Evening Shift from 17:30 – 20:30 hrs)

Under M. Sc. Program, the College is running a two 2-year course. They are:

- Engineering Management (30 seats), and
- Information System Engineering (30 seats)

Whole course will be taught in four semesters, each semester with a duration of six months.



Entry Eligibility



Bachelor

- A student applying to study at HIST-Engineering College must have passed I. Sc. Examination or Diploma in Engineering or 10+2 (Science) from a recognized university or a Board with a minimum of second division (45 percent) marks.
- A student must pass the entrance examination conducted by Purbanchal University.

Master

M.Sc. in Engineering Management

- The Bachelor degree in Civil Engineering, Electronics Engineering, Computer Engineering, Electrical Engineering, Mechanical Engineering, Agriculture Engineering, Architecture or its equivalent.
- Must pass the Entrance exam conducted by the Purbanchal University.

M.Sc. in Information System Engineering

- A student must have a Bachelor Degree (4 years) in Electronics, Computer and IT engineering or equivalent from a recognized university.
- Must pass the Entrance exam conducted by the Purbanchal University.

Scholarship and Assistantship

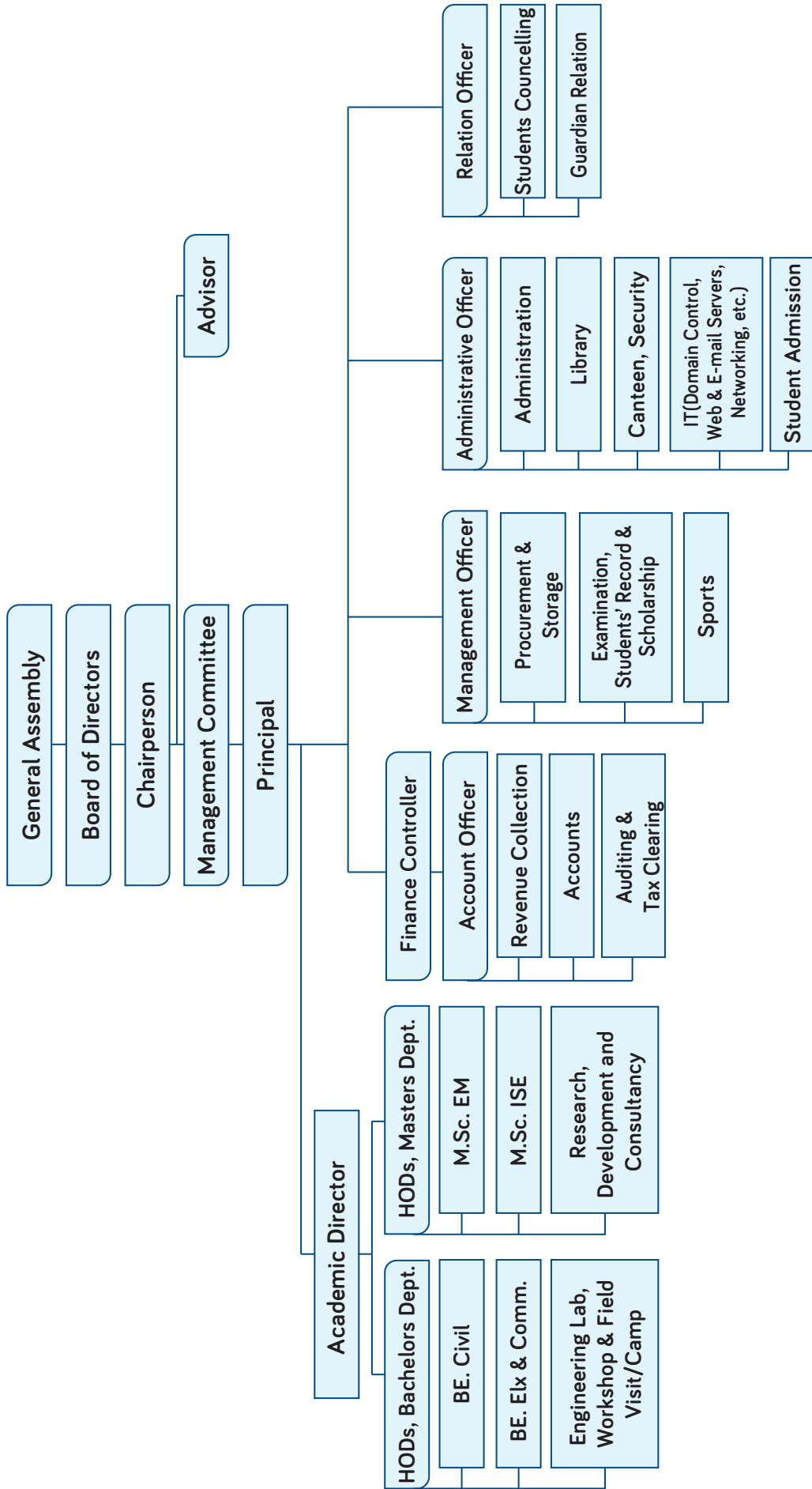
A scholarship will be provided to 10 percent of the total enrolled number of students as per the directives of the Purbanchal University.

Certain provision of assistantship will also be allocated for genius students as per the criteria set by the college.





Organizational Chart





Mrs. Shobhana Pokhrel
Chairperson

Engineers Are **Innovators, Problem-Solvers**

Chairperson of HIST-Engineering College, Ms. Shobhana Pokhrel offers her message and much more to engineering aspirants. No wonder, since she has academic experience of more than 25 years. Ms. Pokhrel has worked in various capacities in the world of education. Excerpts from an interview:

Initially, what was that, which encouraged you to establish and run an Engineering College?

In the course of my abroad studies, and visits to different countries, I realized about the

high demand of technocrats or technical manpower. I then understood the value of technological innovation. Moreover, I came across a substantial number of Nepali

students opting to go abroad to pursue engineering and technical studies. Even parents were enthusiastically supporting to pay a hefty amount of money to send their children abroad. I then contemplated establishing a similar institution where students would get a quality education in Nepal. We established an Engineering College at Baneshwor. Initially, there were lots of challenges, including financial. However, we made it, finally. Now, we are here as one of the best institutions in the country.

How do you encourage students to study engineering at this competitive period?

Students are well aware of the unlimited opportunities, including the great jobs waiting for them. Once you possess the knowledge, skill and the certificates, getting promising jobs is never an arduous task. Besides being innovators, engineers are problem-solvers.

Students are geared towards marks mentality. What is your observation?

Indeed, students, these days are gearing towards 'marks mentality' but it is equally important that they need to have more practical experiences to be an engineer. One has to be innovative and creative to prove oneself. Therefore, students need to do their best.

How do you see Nepal's educational system?

I would say that Nepal is in an experimenting phase. Nepal should have a system of mass education to produce better citizens in all sectors, including political leaders, doctors, engineers,

administrators, managers, among other professionals. Only then we can taste the fruits of the long struggle of more than seventy years.

Do you remember any interesting incident you have run across so far in your leadership of an engineering institution?

In fact, I have undergone both good as well as bad experiences while running this institution. I have come across several students who are meticulously intelligent and hard working. However, I have also come across some students who really need attention. The sad part is the examination system, which is uncertain. Besides, the political disturbances and instability in the last several years have adversely affected the overall education system of Nepal.

Anything you have to share with an aspiring engineering or engineering student?

As an investor and chairperson, I have always tried to motivate my students to study and work hard. I have tried my best to give them the best facilities and

practical training. Although they might have grudges over the study, my best wishes are always with them. My priority would be to provide them with the skills and encourage them to be good collaborators. Engineering is a creative profession that gives satisfaction.

What are the major problems and issues that Nepal's colleges face?

Nepal's colleges must offer quality technical studies to ensure competitive as well as skilled professional. Moreover, the education boards here lack quality management. Timely admissions and examination results have to be strictly followed.

What are the challenges that you have faced while running an institution like this?

The competition is tough these days. The main challenge is to make sure that the students concentrate on their studies, that they abide by the rules and regulations, that they do not forget their responsibilities. Hope you understand what I am trying to indicate.

“My priority would be to provide them with the skills and encourage them to be good collaborators. Engineering is a creative profession that gives satisfaction.”

-Sobhana Pokhrel



Dr. Ram Prasad Pokhrel
Board of Director

Realizing Students' Creativity

Meeting Dr. Ram Prasad Pokhrel, Board of Director of HIST-Engineering College, it's obvious he is one of those enthusiasts who were into the education sector to realize students' energy and creativity. In the last 16 years of his involvement with the HIST-Engineering College, Dr. Pokhrel has been immensely passionate about his position. During his able leadership, HIST-Engineering College has shaped into a full grown institution. Excerpts of an interview with Dr. Pokhrel:

As a director, what are your priorities?

I believe in realizing student's creativity. Education is a necessity. Therefore, I believe in preparing the young generation for work, life, and the nation. Besides education, creativity, interpersonal skills, and critical thinking are equally important for success. Moreover, technical engineering is one of the areas, which has a wide range of scope. The world today runs on engineered technology. My priority is to encourage, educate and enlighten the younger generation to produce bright and intelligent citizens with a sense of responsibility.

How do you see the future in terms of the degree to which engineering education involves real hands-on-work?

I make sure that our institution is determined to respond to the students' expectations in an

organized way. We help them to develop their potentials to the fullest so that their technical knowledge caters to the need in the sector. I am proud to see several of our past students now working for reputed organizations in top positions. This is a field for those who dream and pursue them.

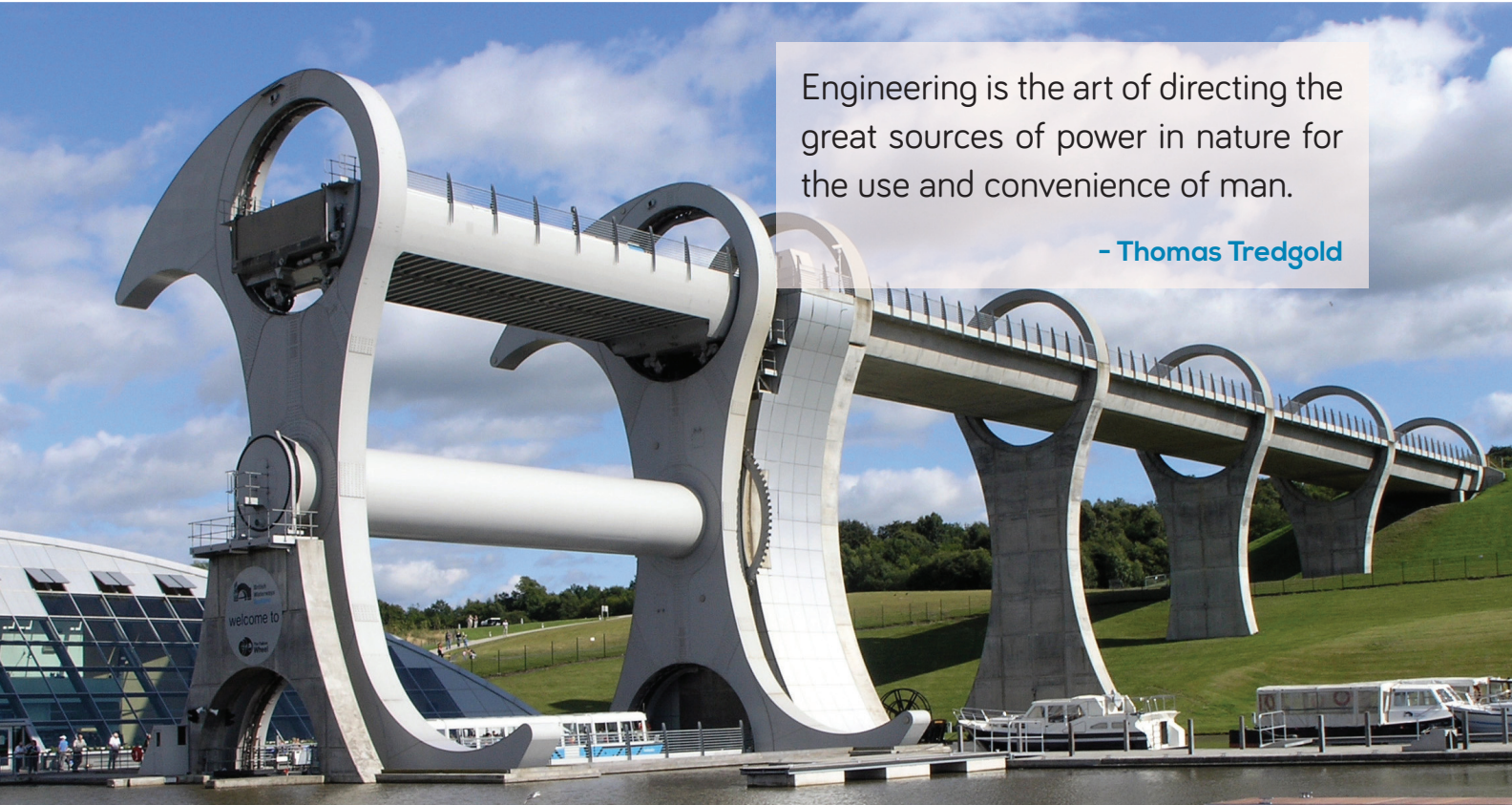
How significant is engineering education for a country's development in this competitive world?

You know, engineers have the skills to create, design and produce. In other words, they have the skills to turn imagination into real-world innovation. Therefore, it is for sure that the demand of engineers grows with the increase of human needs and necessities. Engineering education is one of the major foundations for a country's development and prosperity. Nepal cannot be left behind. The government

too should understand that engineers are all about dealing with public interest. Here I want to reassert that our graduates have proved themselves worthy of expectations. Let me reiterate that HIST-Engineering College is a key player in the country's engineering enterprise.

Are you satisfied with the job offers that your students get from companies?

Well, I am satisfied to some extent. I can see Nepal can do a lot in development sector such as hydropower, housing, road construction, among others. However, I feel there is so much to do to ensure that HIST-Engineering College graduates become and play a significant role to prove themselves. On the other hand, Nepal should work towards creating more projects so that our students can contribute to their full potentials.



Engineering is the art of directing the great sources of power in nature for the use and convenience of man.

- Thomas Tredgold

Carving A Better Strategy

Building a resourceful education institution is a worthy goal. Besides measuring performances, it shapes students' education experiences. In fact, this involves prognostic methodology to ensure classroom strategy. One of the Board of Directors, Ms. Puja Pokhrel Sharma defines quality as 'fitness for purpose'. Excerpts:



Ms. Puja Pokhrel Sharma
Board of Director

What would be your first priority in this position?

As one of the Board of Directors, my first priority would be to see how the college's management is running. It is important to see the overall operation of the college and find the areas of improvement. I always try to create a comfortable yet systematic environment for the teachers and students to grow.

What strategies would you want to implement to ensure effective education?

I would like to implement the best teaching strategy that makes learning a simple process. I ensure that the students have received practical facilities. It is a must that they excel the laboratory practices as this study relies most on practical approaches. Moreover, I never miss to scan the classroom for additional facilities that would bridge the student-

teacher relationship. I ensure the overall learning process is running smoothly without any issues from both the teacher and the student side.

Are you happy with the teaching techniques that would help students to learn at higher levels?

Of course, I am happy as we try to give the best quality education. We have hired experienced teachers, facilitating the students with upgraded labs, books, and other resources. Regular excursion and field visits are a part of our curriculum. However, it is important how much the students want to grasp the offered opportunities.

As a director, what are your plans to create a culture of academic excellence in your institution?

Unwelcome unwanted pressures. This is always our


first maneuver. Creating an education system where learning and teaching process becomes both progressive. An educational institute cannot produce fruitful outcomes if both the teachers and the students do not work in tandem within a proper management.

How do you encourage the students not working up to their potentials?

I would inspire them, make them realize their responsibilities, talk to them about self-confidence, encourage them with their fields of interests and provide them with the pleasant learning environment.

What are your future plans?

I would like to start a Ph.D. program in the near future. Upgrading the facilities of the college is always on my priority list.



Kedar Nath Nepal
Advisor

Making It Happen

Mr. Kedar Nath Nepal, Advisor of HIST-Engineering College believes in building students' behaviors to generate excellent results. As an Advisor, he has been encouraging teachers and students to have a "can do" attitude in all situations. Excerpts:

As an advisor of HIST-Engineering College, what is your primary mission?

My primary mission is to produce talented graduates, broadly educated engineers by conducting high-quality research, developing breakthrough technologies, and disseminating, and preserving technical knowledge to serve the state, the nation, and the world.

What do you think are the basis to establish a college like this?

In order to establish a

college like this, we need to have quality teaching staff, an amiable environment, proper infrastructure and involvement of parents and families. Moreover, the library and laboratory have to be well stuffed with books and necessary equipment keeping in mind that all students deserve equitable access to rigorous curriculum.

According to you, what are the most important characteristics of an effective institution?

Cultivating passions and

exploring new interests, besides having a clear direction, open communication, empowerment, and teamwork are the major characteristics to run an institution like this. Merely giving lectures cannot suffice a student's needs. Therefore, we encourage students to step outside the comfort zone to apply their knowledge and skills. Moreover, we motivate students to take responsibilities to become a leader.

Can you tell us three major goals of your institution?

To be precise, providing quality engineering education, producing well qualified technical manpower and increasing the programs as needed have been the major objectives of our institution to develop skills applicable to professional positions.

Shared Commitment



Er. Bimal Kumar Sharma
Principal

The Principal of HIST-Engineering College, Mr. Bimal Kumar Sharma believes education is a shared commitment between dedicated teachers, motivated students, and enthusiastic parents. Excerpts:

The role of a college is not only to engage in academic excellence but also to motivate and empower its students to be lifelong learners, critical thinkers, and productive members of an ever-changing global society. At HIST-Engineering College, we provide an atmosphere to our students for multifaceted development, where students are encouraged to channelize their potential in the pursuit of excellence. This can only be possible in a holistic,

student-centric environment. The talents, skills, and abilities of each student need to be identified, nurtured and encouraged so that he/she is able to reach greater heights. Students need to be provided with a platform to think, express, and exhibit their skills. It is necessary to empower them to negotiate several issues that confront them, with the teacher being a facilitator.

Academic excellence is our major thrust. The college is also devoted to prepare the students

for life, groom them to face the challenges of tomorrow, and encourage them to be socially relevant. We constantly endeavor with the aim that we will be able to ensure that the students grow to their full potential, while constantly being groomed to pass out as men and women competent to bear responsibility in all walks of life. Meanwhile, the parents are the most strengthening power in molding the future of their children. Their consistent support empowers us to do more and more. I pay my gratitude to them for their faith in us. I am confident enough that the HIST-Engineering College management will make itself vibrant day by day, adding a new leaf to the grandeur of the HIST-Engineering College.

As a principal, what measures have you applied to ensure quality education in your institution?

Most of the educational organizations focus on quality to improve their outcomes. Quality education is an essential objective for all educational institutions. The main objective of the education process is to graduate a student empowering him/her with all sorts of qualities, such as the ability to be a thinker, a professional, a problem-solver, and above all, a good and responsible citizen. For this, there are many quality standards which are internationally recognized and create the necessary conditions to improve quality of education.

Do you have any specific instructional approaches while

imparting the skills a student requires?

A student's characteristics such as motivation and intellectual ability will have to be measured and considered while imparting the knowledge. Moreover, motivation and the student's interest in the subject is another important factor. For instance, works of great figures can be a launching pad for the students. Ensuring that the students are ready to take up the challenge is another major means. We at HIST-Engineering College teach our students to cause a result as we believe that teaching is successful only if the learning is related to a purpose.

What instructional strategies would you want new teachers to be sure to employ? How would you ensure this?

Before we hire a new teacher,

we make sure that the teacher has effective technical skills and the ability to work under pressure. Furthermore, in this fast-paced world, a teacher has to have problem-solving, interpersonal skills, verbal and communication skills, and a team-work spirit, besides being creative.

How do you plan to improve the best practices to mentor your students for their intellectual growth?

Intellectual growth can best be achieved by expanding student's knowledge through scholastic, technical or cultural endeavors. Some of the ways to grow intellectually are to learn or practice a new skill, read a thought-provoking book, involve in the community, attend to lectures, art exhibits or theatre performances, and to learn a new language.

How do you see the future of the students?

Looking at the present scenario of the infrastructure in our country, I can see the light at the end of the tunnel. Yes, good days are coming since there have been some commitments about ambitious plans and projects, sustainable transportation system, environment, which will require competent engineers. Engineering is one of the most popular academic domains that is taught and pursued worldwide. The rapid growth and increase in constructions and infrastructural development have brought an incredible increase in the demand and significance for engineers.



Striving For Excellence



Er. Saurav Sharma
Academic Director

Ensuring students' success needs dedication. The students -- young people -- and graduates of any institution represent the future. Er. Saurav Sharma, Academic Director of HIST-Engineering College, believes that the success of the students is the responsibility of the institution. He believes that striving for excellence is an important part. Excerpts:

What roles does an academic director play in any fields of the educational institute?

Being an Academic Director one has to ensure that the overall academic development of an institute has to be

uplifted, should get involved in day to day academic activities such as thesis defense, project presentation, etc., should be able to access and rectify the weakness that they are facing in any of the subject matter they

are dealing with, should also praise and reward students who have an exceptional ingenuity. As Civil Engineering Institute, it should also get involved in lab activities and ensure that the lab work and classes go hand in hand.

What are your major responsibilities in the college?

My major responsibilities in the college are to quench the students' thirst for academic excellence besides getting involved in their day to day endeavor in the knowledge acquiring process. I also help

them in any way I can to uplift their academic brilliance.

How do you evaluate the academic of the college you are involved with? Are there any specific details that differ or are of unique academics compared to other colleges?

If had to evaluate the academic of the college; our strength is our faculty members. Our faculty members have been involved in teaching and learning process for over a decade. They know each and every detail of how to take out the best from even the weakest student. While hiring new faculty members, we make sure that they are able to fathom the hunger of education that students are seeking to acquire from them. Faculties are the influential part of the profound educational institute. They will have a profound influence on the students' achievement and their overall

(both academically and social) development.

How do you evaluate the student's inclination and progress in the college's academics? As for the motivation, what measure does the college including you endorse for educational development?

Teaching and learning are important parts of the human life. Here at HIST-Engineering College, we make sure that they develop the habit of learning not only for four years of their academic life but throughout their whole life. We give them assignments to be done at home so that they utilize their time to learn themselves not only at the institute but at their home too. As an incentive, the institute has been providing scholarships to intelligent students. The diligent students who are

struggling in financial terms are also given incentive as a form fee discount.

How has the college balanced the academics and extracurricular activities of the college? Could you detail out the extra activities and involvement of the college?

We make sure that their study and practical knowledge go concurrently. In order to do so, we constantly take them to field visits, so that they can get hands-on information from the personnel who are involved in the construction of the project. Students get involved in the sports activities once a year. Being an engineering student it is difficult to find time to get involved in sports and other activities since they are captivated by their studies most of the time. With all these constraints they still find time to get involved in sport-related activities.





Er. Balam Pudasaini
Head of Department, Civil Engineering

Engineering Is A Versatile Career Option

A leader should have a distinctive pro-active attitude combined with the elements of vision, organizational and personal skills. Er. Balam Pudasaini, Head of Department, Civil Engineering at HIST-Engineering College, is clear about the direction he wanted his department to go into. In fact, he has a clear vision as well as the expertise to implement it. Excerpts:

As a Head of Department, how significant do you think is engineering education in this competitiveness and in an

interconnected world?

Engineers have a key role to play in the development of any country. In fact, they are the

ones who are in the forefront while making the necessary infrastructure. Considering this fact, I have been putting all my efforts to cope with the changed scenario to produce skilled engineers because I believe that engineers should deliver their service with integrity. However, with the advancement of technology, we need to do a lot when it comes to obtaining relevant educational materials and other stuff. Despite challenges and inadequacies, we have been endeavoring to catch up with

the advancement of engineering and information technology. A country or a society cannot progress without engineering, which has an enormous impact on every aspect of our modern life. Engineers through generations have played a vital role to change the society, and living standard, especially in a developing country like Nepal.

What are the prospects of learning engineering subject today? What could be the bright futures and paths where students should focus in this field of study?

Allow me to say that engineering is a versatile profession. A career in engineering has a great opportunity since there is a high demand for engineers in this fast-paced world. Engineers have a crucial role in the human civilization and the development of any country. It offers exciting as well as challenging job options with endless possibilities of technological developments. Students should, therefore, be focused on theoretical as well as practical knowledge to be applied in the field. More than that, students should also learn and update themselves from other developed countries.

As an experienced HOD, what are the common problems and weakness of student in Nepal?

What measures should they take to achieve their future goals?

In fact, there are several common problems and weaknesses of the students in Nepal. What I have found is that most of the students prefer theoretical to practical knowledge. Moreover, students' studies were at times affected due to political instability, which now, of course, is moving on the right track. Most importantly, students need to focus on achieving their future goals to make sure that their knowledge and concepts are put into practice. Furthermore, focusing on their studies without getting distracted is another important aspect that a student needs to realize.

What should colleges offer to the students? Do you have suggestions to improve the standard of the colleges in Nepal?

A college has a crucial role to shape the future of a student. Therefore, a college needs to provide necessary resources, including well-trained and experienced teachers, laboratories, workshops, classroom facilities, sports as well as training equipment for students besides an environment that is conducive for students. Likewise, both government and private engineering colleges must abide by the criteria governed by the Nepal Engineering Council. Similarly, the university should also strictly conduct and follow the regular

academic calendar to ensure that colleges conduct regular classes. Furthermore, politics should not be entertained in the college.

Do you have any plans to introduce transformation measures or new initiatives in this institution?

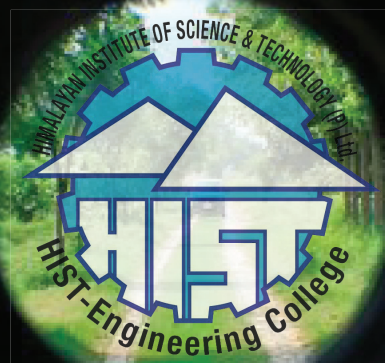
I do have several plans to ensure that our students get quality education considering the fierce competition in the sector. I am committed to providing excellent teaching methods as well as well-trained faculties to the students. Moreover, I have been concentrating on exclusive project works, field visits, practical and sophisticated software related to engineering to make teaching and learning process more realistic. This is to ensure that our students are fit in the competitive world.

Do you have any message for engineering students?

I want to remind Dr. Abdul Kalam's saying: "Dream is not that what you see in sleep. A dream is something which doesn't let you sleep". Engineering is not only a matter of applying science or solving problems using theories and methodologies of math and science but also of advancing knowledge through research and experiment. As an engineer, my dream is always to produce technically competent engineering graduates.



College With A Distinct Focus



Every year, almost all newspapers are flooded with advertisements featuring college courses. Interestingly, almost all colleges having the same features, and characteristics, however, claim to be 'the best college' in town.

However, we at Himalayan Institute of Science and Technology (HIST), begin the journey of an engineering student with our roadmap for success by introducing them the basic engineering fundamentals and potential career paths. Furthermore, the programs help students in developing skills by laying a strong academic

foundation that matches their strengths.

Besides having multi-disciplinary initiatives, the college allows students to work on projects to prepare them to fit in the global arena because we believe that an engineer needs to possess a strong leadership quality, inventiveness, and proficiency in the rapidly changing world and economy. HIST-Engineering College is committed to attract, retain and graduate engineers with the right mind and skill-set. We help our students to succeed in engineering. Students study together with the teachers, who believe in a teamwork culture.

Enthusiastic interaction, class projects, and networking have been the special features that make HIST-Engineering College a distinct college because we believe in developing skills for business success besides integrating the technological world into the classroom.

Likewise, the college has a set of infrastructure capability, including laboratories equipped with latest software and operating computers, as well as 24 hours internet facilities. As a special feature, our students have access to the e-library section where they can refer books, magazines, and other journals.

Why Is HIST-Engineering College Distinct?

What makes HIST-Engineering College distinct from other colleges?

Firstly, the college has a unique method of teaching since teachers at HIST-Engineering College put special emphasis on teaching students not only to be creative but also thinkers and innovators. We believe that our students need to be 'outside-the-box' kind of thinkers. This gives us a unique academic dynamic thus contributing to proficient employment rate. Furthermore, students, who receive personalized attention, have more research opportunities. Students at HIST-Engineering College will learn how to create ideas, to engage in real-world experience, to develop themselves as leaders, and to serve the society and the country.

Plan for success

The program at HIST-Engineering College gives students an opportunity to lay a strong foundation matching their interests and strengths that help them develop key skills.

We have enterprise-level systems and programs to improve student's determination and job-placement rates to ensure that student's dreams are transformed into reality.

With the realization that all students have great potential, we combine traditional teaching methods with digital technology to tailor the curriculum to an individual by focusing on individual competencies.

Project-based learning

Project-based or even called as experiential learning has been an effective method of understanding.

Memorizing is certainly not as effective as learning through understanding. Thus, our lecturers and professors through their speech as well as project-based learning inspire students.

We believe in fewer lectures. Therefore, we basically focus on an innovative method of learning through project-based activities by utilizing technology to integrate lectures and lab work to engage students in hands-on learning.



The Real Goals of Education

An American philosopher and psychologist John Dewey has rightly said, "Education is not preparation for life; education is life itself."

This implies to teaching as well since it is something about bringing out what's already there inside the students. The question might arise: Is it

that someone has redefined teaching? The answer could be simple. Encouraging students to explore themselves and to inspire them by brainstorming with them about solving the problems could be one of the redefined teachings. For this, instead of confining oneself within the classroom lectures, a teacher has to be a role model, an inspirer, and a

motivator. Education at HIST-Engineering College is all about making the students responsive and informed of the infinite potential that they have within them since the interactive learning method at HIST-Engineering College has had a positive impact on students.

In fact, interactive learning provides students

with numerous ways to seek and explore a challenging perception. Moreover, it helps in promoting intense thinking, analyzing, engaging, and even exploring to a greater extent.

If one believes that teaching and learning go simultaneously, then it creates an environment where students are inspired to identify themselves that will help them to change the world. Here fits great leader, Nelson Mandela's quote: "Education is the most powerful weapon which you can use to change the world."

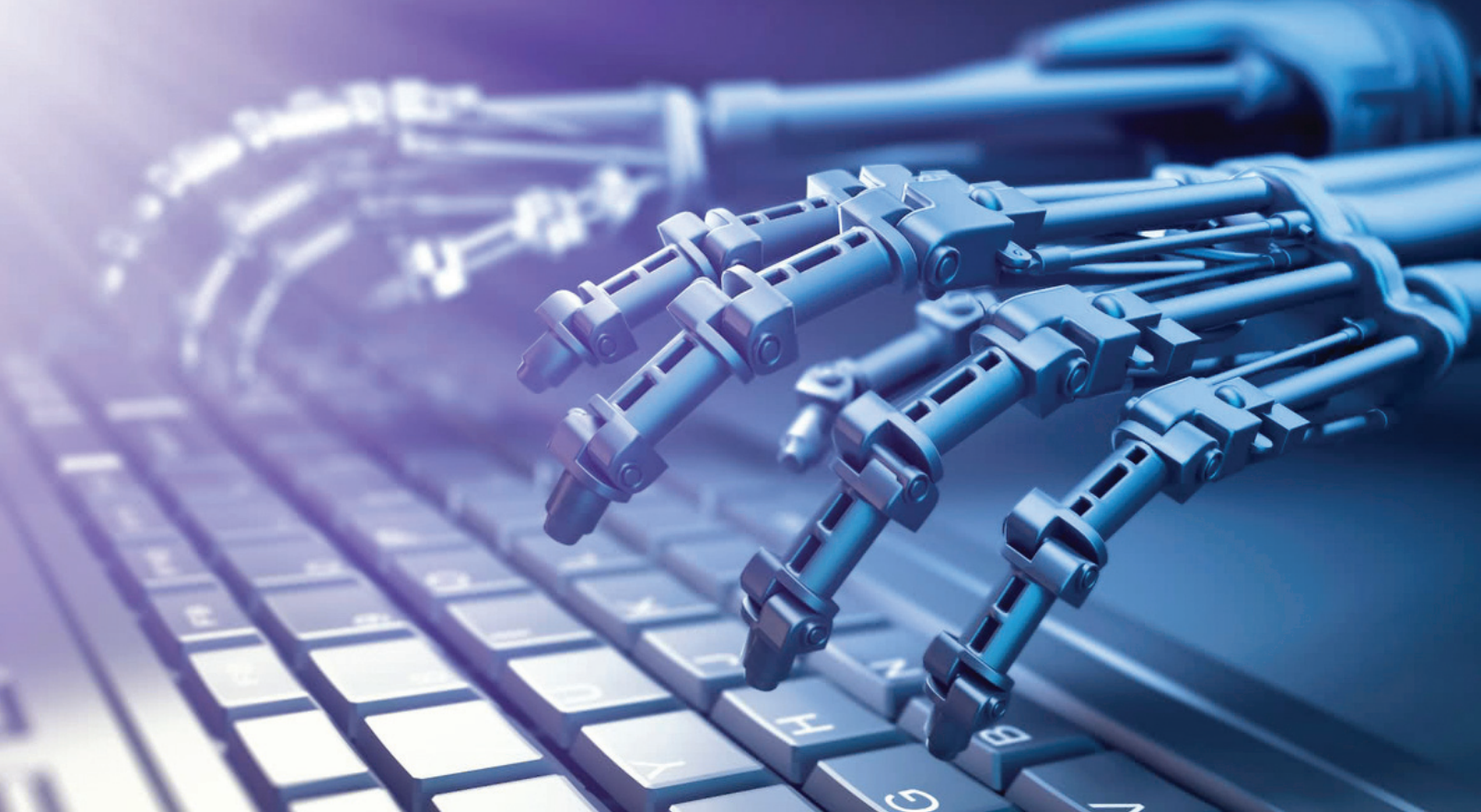
This is possible not by telling the students to mug up, but to understand, and to comprehend to get the real picture. Hence, they get excited and passionate about learning.

At HIST-Engineering College, teachers are indisputably an integral part of an environment that allows the students the freedom to explore themselves by accustoming them with new innovations that include new organizational structures, and new technology. Moreover, maintaining an unwavering focus is vital to improve student's learning with the assurance that the innovation fosters creativity and the obsession. It is important to recognize that the use of technology in colleges is non-negotiable. Moreover, focusing on the learning needs of a student can make a difference in their career. Therefore, giving a greater

focus on personalization will surely help students for their overall improvement.

Today's students have huge variability in their skills and talents that reflect the environment and the context in which they grew up. In such a situation, a college like HIST-Engineering College can be the only place where imperfections in a student's development can be addressed. The purpose of HIST-Engineering College is helping them distinguish between right and wrong, motivating them to find their potential, encouraging them to connect with their inner conscience. Furthermore, teaching them to adhere to the right values have always been HIST's priority.





The Importance of Engineering & Technology



Engineering, science, and technology influence the society. The human needs and values, or even problems are often determined by what science innovates, while engineers deal with them. The modern technologies, which are the products of science and engineering, have influenced the modern society by changing human culture and habits.

Knowledge of engineering, science, and technology plays a significant role in this contemporary society. They have been seen as fundamental elements in the modern society. Therefore, studying engineering,

science, and technology provides students with the insight of how innovative technological processes are developed. Moreover, it provides students with the insight of how different processes of knowledge are progressed.

Consider what Ms. Sobhana Pokharel, Chairperson of HIST-Engineering College College of Science and Technology has to say: “Studies of engineering, science, and technology will motivate students to understand and grasp the knowledge of technology. This will not only help them to familiarize with the social and technological aspects but will encourage them to be

creative and to look into new ways of living.”

She views that creative people can make the best engineers. “Students with creative skills and talents can be able to visualize, think outside the box, and act accordingly,” she said.

In fact, creating or building a perfect structure or an ideal building, or developing something innovative is not everyone’s cup of tea. Despite the fact that engineer’s creativities are overlooked at times, they are often dubbed as creative problem-solvers. Through their technological knowledge and skill, engineers come up with exciting ideas that would help solve the problems.

It’s equally important to know how science and technology, blended with engineering, produce new products. Therefore, providing the students with the basics along with the academic foundation will help them to think outside the box by going beyond the measurement to create something that an amazing factor.

“Students at HIST-Engineering College are provided with all academic fundamentals along with the detailed technological analyses and knowledge,” claims Ram Prasad Pokharel, Director at HIST-Engineering College.

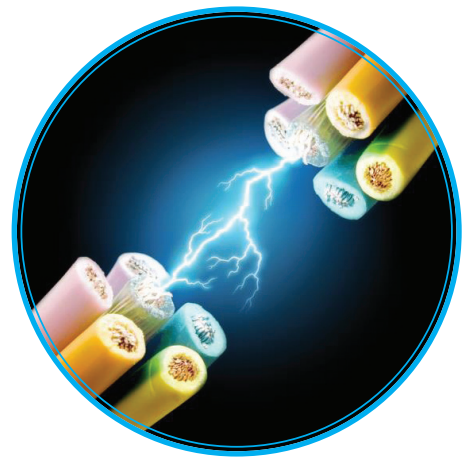
It is equally important to understand that engineering


and technology create new ways of acquiring knowledge that eventually leads to a successful innovation.

Therefore, companies, business organizations or projects, big or small, value for competent and problem-solving engineers having creativity and technological know-how. With crucial roles available in industries or companies, engineers and IT experts have a huge range of career opportunities.

In this backdrop, HIST-Engineering College continues to work hard by highlighting the creativity found within the students through special projects where they are encouraged to research, design and find solutions to any tough engineering problems.

Moreover, engineering profession is sometimes called as a rewarding and versatile career because of its multifaceted, multitalented nature where they will have the opportunity to make a significant difference to the society and the country. This is because a student of science and technology should have the ability to work on a wide range of sectors. Another exciting aspect about engineering is with the advancement of new technologies new job opportunities appear all the time. Therefore, getting into engineering is to plunge into the world of exciting opportunities, possibilities and challenges.





Focus On Practical Engineering



By Er. Rajesh Kumar Paudel

Development of a country depends on the strengthening of physical infrastructures. They are the building blocks that construct a rigid future

for the country. Being a least developing country, Nepal should embrace this fact and muster efforts in developing a strong foundation for engineering studies.

I believe engineers can run the world. Through inventions and innovative strategies, Nepal can shine in the arena of development sector. This was the same philosophy that motivated me to follow engineering study. I always believed in the power of engineering as a tool of development.

However, I see Nepal needs to upgrade engineering education. As the conventional

methods of study methods cannot alone sustain the competitive challenges of today. There are almost 40,000 engineer graduates in Nepal and around 28,000 are in civil engineering. They are the resources of Nepal's development. But number alone does not measure the strength but the quality does. Engineering education in Nepal needs a quality output. The number of engineering colleges and institutions is mushrooming. But the dubious question is whether they are producing a quality outcome. The focal educational body of engineering in Nepal, Nepal

Engineering Council (NEC), needs to rethink its certification system. NEC should provide certificates and registration only to those who have passed the exams. This will not only produce qualified engineers but also maintain the stature of educated engineers.

Over years of experience in this field, I have realized the importance of computer technology in every field of study including engineering. I suggest students, who are following engineering, become more computer friendly and learn different software and applications for engineering work purpose.

The practice of being pragmatic is very important in the engineering field. The knowledge gained through theory has to be implemented into practice. Students should keep this knowledge from the beginning of their studies. When it comes to engineering at government posts, I see a difference that needs resolving. Administrative engineers have the privilege of receiving at least six months of formal training at Nepal Administrative Staff College but students passing from Public Service Commission lack similar facilities, which too should be applied.

Employees without proper practical knowledge can end up having difficulty in work management.

Both our neighboring countries, China and India, are developed today mainly due to physical infrastructures. Nepal is also progressing. This is where the role of the upcoming engineer is needed, where they can showcase their talents and contribute to Nepal's development.

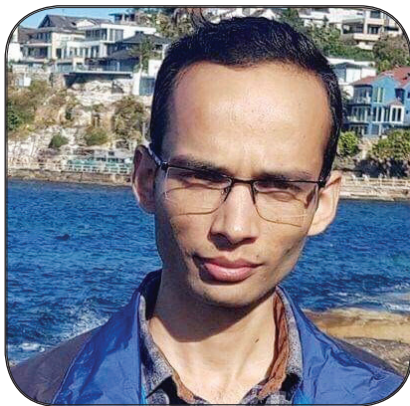
Paudel is Senior Divisional Engineer at Department of Irrigation Nepal. He was one of the graduates of Engineering Management from Himalayan Institute of Science and Technology (HIST) at New Baneshwor.

Engineering Facts

- The word engineer comes from a Latin word meaning 'cleverness'.
- The snowboard was invented by an engineer, Serman Poppen.
- Engineers designed running shoes for protection, performance, and comfort.
- The Ferris Wheel, created by Pittsburgh, Pennsylvania engineer, George W. Ferris, in 1893 is considered one of the greatest engineering wonders in the world.
- In 1901, the Spanish engineer Leonar do Torres-Quevedo was responsible for the earliest developments in the remote control with his Telekine that was able to do "mechanical movements at a distance."
- Valdemar Poulsen, a Danish engineer, invented an arc converter as a generator of continuous-wave radio signals in 1902.
- As of 2010, the tallest building in the world is the Burj Khalifa in Dubai, UAE. It reaches an incredible 828 meters (2717 feet) in height.
- The Great Pyramid of Giza is the oldest of the Ancient Wonders of the World and the last one that remains largely intact.
- The building of the Panama Canal, which links the Atlantic and Pacific Oceans, was one of the most difficult engineering projects ever.
- As of 2010, the longest suspension bridge in the world is the Akashi Kaikyo Bridge in Kobe, Japan.
- High-speed passenger trains in China reach speeds of up to 350 kph (220 mph).
- 220 million tons of old computers and other technological hardware are trashed in the United States each year.



Studying at HIST Was A Wise Decision



By: Er. Kul Chandra Panthee

Engineering has been my dream since I first learned about it from one of my close relatives. As one of the brightest students (as teachers called me) in school, I was interested in math, science and technology. I decided to pursue my engineering at HIST-Engineering College after coming to know about its proven ability to deliver on the purpose of fostering technological and engineering excellence. Shedding more light on it, I am convinced that engineering technology

graduates having skills in electronics and computers are sought after.

Fascinated by the engineering and the technological world, I decided to take it a step further with the conviction that engineering was my full-time career. At HIST-Engineering College, students work in a wide range of sectors such as technology, engineering, and computers among others besides empowering students with services to apply and implement the technical knowledge to cope with any challenges. Moreover, the college assists students to pursue engineering for the country's development.

The better part with HIST-Engineering College is that it gives the students hands-on experience to stimulate their interest in any sector. This will help students to learn about the impact of engineering and technological skill to solve any issue. Moreover, this will provide the students with varied options, interests and hands-on experiences such as building, testing,

troubleshooting or repairing a variety of electronics, computers, and other technologies besides communication skills. To be precise, the workshops, practical classes, and seminars that I have attended have helped me to work with my passions as well as to develop and advance my skills advance in the engineering sector. Now that I have been able to analyze, design and implement any technological, electrical or electronic system.

Studying something that I am passionate about gives me a sense of achievement since I will have a new way of doing things. In fact, HIST-Engineering College has empowered, encouraged and inspired me to develop my leadership skill. I believe that this has been one of the best decisions of my life to studying engineering at HIST-Engineering College because I have understood that an engineer is literally an expert, who can do anything.

*Er. Kul Chandra Panthee
BE in Elex. & Comm. Engineering
2006 Batch Topper*

Revolutionizing Action, The Way of Thinking



The world is swiftly heading towards a global collaborative society, challenging the traditional structures. New values and developments have gradually replaced the traditional arrangements. Life is exponentially getting complicated with a host of challenges coming our way. Therefore, we require levels of technological know-how and information to cope with the fast-developing world.

With all these challenges in place, today's students or graduates need to be technologically literate and get prepared themselves to overcome all hurdles. More than that, they need to consider the workforce skills and the demands that have changed

drastically in recent times. The job market today requires skills such as technological intelligence, critical thinking, and good communication dexterity with the ability to interact with people from different walks of life. More than that, creativity is one basic factor for anyone aspiring to lead a company or a team because ingenuity is something that involves planning, working, assimilating, conceptualizing, and finally giving out the best result. This is what can be dubbed as an 'all-inclusive knowledge' that a career oriented person, including a future engineer, should possess. Connecting incongruent dots of knowledge needs creativity, hard work, and dedication.

Bearing this in mind, colleges in Nepal should incorporate

project-based, design-oriented and online learning that is applicable to fit-in practical life.

Meanwhile, teachers, too, need to modify their teaching techniques through appropriate methods to encourage and motivate their students. Teachers need to divert from following the footsteps of their college lecturers. They should try to give the best by giving apposite feedback on their student's works or projects, and constructive comments. Merely writing on the boards or giving blur lectures is not the solution. Students must undergo an exciting learning experience. A learning that is full of enthusiasm, enjoyment, and excitement is what a modern-era student craves for.

Here, as someone who



is involved in teaching and grooming students of engineering and technology, I would like to mention that engineering graduates should be able to play the role of change agents by moving beyond the four walls with the capabilities as world-class engineers. This means that they should be prepared in such a way that they would be able to initiate, create, innovate, regulate, and communicate plans and strategies to ensure success. This is possible only when they learn how to link engineering with science and technology and transform this knowledge into practice. Transferring this

knowledge requires professional skills such as technical as well as theoretical knowledge. This is called the transfer theory, where knowledge is transferred from one person to another.

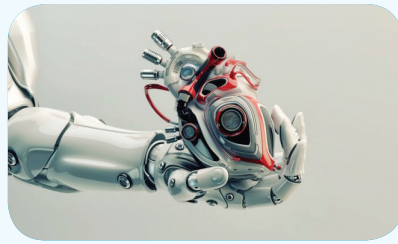
Therefore, colleges need to focus on developing projects and curriculum where students' desires are developed and recognized to be innovative, creative, enterprising and ethical. This can be done through several methods such as group learning, peer learning, abstract learning, lab learning, and assessing, etc. This will help them to increase their self-confidence and the ability to tackle any challenges or unusual circumstances.

Colleges need to revolutionize their action and the way of thinking in the changing scenario to make and relate education to the concept of practical and effective learning. The old adage that 'teachers speak, students listen' should be replaced by 'both speak and listen' by involving students directly as partners and familiarizing them in a creative and integrative thinking. Since we are already into an age of technology with new innovations and engineering expertise, it is high time that we looked at the world in many ways. Let's ensure that our students become open-minded, resilient and resourceful and overall good citizens.

Branches of Engineering



Aerospace Engineering



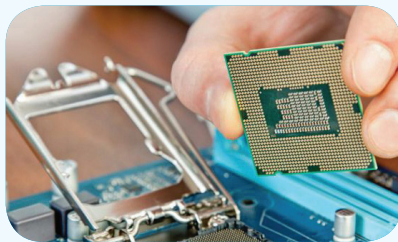
Biomedical Engineering



Chemical Engineering



Civil Engineering



Computer Engineering



Electrical Engineering



Environmental Engineering



Forensic Engineering



Genetic Engineering



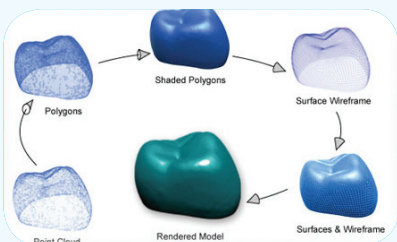
Mechanical Engineering



Military Engineering



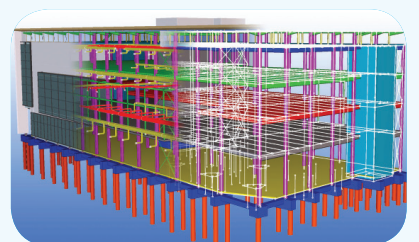
Nuclear Engineering



Reverse Engineering



Software Engineering



Structural Engineering



About Civil Engineering

Until modern times there was no clear distinction between civil engineering and architecture, and the terms engineer and architect often referred to the same person until the 18th century.

In the 18th century, the term “civil engineering” came into use to describe engineering work that was performed by civilians for nonmilitary purposes.

The first self-proclaimed civil engineer was John Smeaton who constructed the Eddystone Lighthouse. Civil engineers frequently work on complex projects which involve many technical, economic, social and environmental factors.

Civil engineering takes place on all levels: in the public sector from municipal through to national governments, and in the private sector from

individual homeowners through to international companies.

Civil engineers also help to preserve the environment by assisting in the cleaning up of existing pollution and planning ways to reduce future pollution of air, land, and water.

The Institution of Civil Engineers (ICE) was founded in a coffee shop in London in 1818 by eight young civil engineers, the youngest was 19.

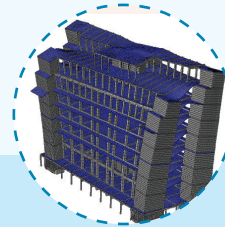
Civil Engineering Sub-Disciplines



Coastal engineering is concerned with managing coastal areas.



Structural engineering is concerned with designing structures to be safe and serviceable for their users



Earthquake engineering is dedicated to reducing earthquake risk by advancing the practice of this science.



Transportation engineering is concerned with moving people and goods efficiently, safely, and in a manner.



Geotechnical engineering is an area of civil engineering concerned with the rock and soil that supports civil engineering projects.



Materials engineering and sciences deal with materials such as concrete, mix asphalt concrete, metals as well as paints and finishes.



Environmental engineering can be involved with pollution reduction, green engineering, and industrial ecology and involves protecting the environment and human health.



Municipal or urban engineering involves specifying, designing, constructing, and maintaining streets, sidewalks, water supply networks, sewers, street lighting, municipal solid waste management and disposal, storage depots for various bulk materials used for maintenance and public works, public parks and bicycle paths.



Construction engineering involves planning and execution of the designs from transportation, site development, hydraulic, environmental, structural and geotechnical engineers.



Library

With an aim to enhance and update the knowledge of the students, and engineering professional, HIST-Engineering College is well stocked with facilities, including computers with an uninterrupted internet service, a good number of books, reports, thesis, journals, and periodicals

covering all disciplines of engineering, management, and technology.

The library offers a dynamic environment for students by providing them information about theories, research, new innovations, and other informative materials.

The HIST-Engineering College library, managed by

qualified and experienced professionals, subscribes to various newspapers, journals as well as other magazines useful for engineering students. The high-quality library has been one of the pillars of HIST-Engineering College's standard facilities since it reflects the college's academic excellence. Meanwhile, a spacious and comfortable seating arrangement in the library provides an atmosphere that is conducive to reading and concentrating.



Rules & Regulations

RULES

- Students must wear ID card inside the college premises.
- Students should not make noise inside the classes and corridor.
- Students are strictly forbidden from smoking.
- Students are not allowed to use mobile phones in the classes.
- Students must handle college property carefully.
- Students are not allowed to leave the college without information.

ATTENDANCE

- Faculty staff will take attendance at the beginning of each period.
- Any student who is not in the classroom shall be marked absent.
- Student attendance will be computed, and will be indicated in the progress report.
- A minimum of 80 percent compulsory attendance is required to appear for the final examinations.

LEAVE

- Students must attend the classes regularly. However, a student has to furnish valid reasons to obtain leave from the authority in advance.
- In case of sickness, a medical certificate should accompany the leave application.
- Attendance for the examinations is compulsory.

HOLIDAYS

- All Saturdays, and government holidays are holidays. However, the college reserves the right to conduct classes during holidays.

HIST - Engineering College Encourages Students To:

HIST-Engineering College encourages students:

- To be passionate
- To be able to think critically
- To be lifelong learners
- To be able to look at things differently
- To be ready to take risks
- To be able to work independently and in a team
- To be creative
- To be disciplined
- To be well-cultured
- To have integrity and self-respect
- To have moral courage'
- To serve people, society and the country



Course Content

Bachelor in Electronics & Communication Engineering

First Semester

Code	Subject	Credit
BEG101SH	Engineering Mathematics I	3
BEG170CO	Elements and Devices of Computing Technology	3
BEG103SH	Physics	3
BEG146ME	Engineering Drawing	3
BEG148ME	Workshop Technology	2
BEG105SH	Communicative English	3
BEG175CO	Computer Programming	3

Second Semester

Code	Subject	Credit
BEG102SH	Mathematics II	3
BEG176CO	Object Oriented Programming	3
BEG104SH	Chemistry	3
BEG171CO	Digital Logic	3
BEG158CI	Applied Mechanics	3
BEG123EL	Electrical Engineering	3

Third Semester

Code	Subject	Credit
BEG201SH	Mathematics III	3
BEG240ME	Thermodynamics, Heat and Mass Transfer	3
BEG224EL	Electrical Engineering Material	3
BEG230EC	Electronic Device and Circuit	3
BEG271CO	Computer Organization and Design	3
BEG225EL	Network Analysis	3

Fourth Semester

Code	Subject	Credit
BEG202SH	Applied Mechanics	3
BEG232EC	Integrated Digital Electronics	3
BEG231EC	Microprocessor	3
BEG233EC	Advanced Electronics	3
BEG226EL	Power Electronics and Drives	3
BEG234EC	Electromagnetics	3

Fifth Semester

Code	Subject	Credit
BEG370CO	Numerical Methods	3
BEG331EC	Data Communication and computer Network	3
BEG333EC	Signal and System	3
BEG332EC	Embedded System	3
BEG320EL	Control System	3
BEG330EC	Antenna and Propagation	3

Sixth Semester

Code	Subject	Credit
BEG203SH	Probability and Statistics	3
BEG336EC	Analog Communication	3
BEG358CI	Surveying	1
BEG337EC	Filter Design	3
BEG395MS	Engineering Economics	3
BEG396MS	Research Methodology	3

Seventh semester

Code	Subject	Credit
BEG431EC	Digital Communication System	3
BEG431EC	Digital Signal Processing	3
BEG432EC	Microwave Devices, Circuits and Systems	3
BEG491MS	Project Organization and Management	3
BEG449	Elective I	3
BEG434EC	Project Work	2

Eighth Semester

Code	Subject	Credit
BEG458CI	Engineering Professional Practice and Sociology	3
BEG435EC	Telecommunication and switching Network	3
BEG432EC	Wireless Communication	3
BEG449	Elective II	3
BEG440EC	Project work	6

Bachelor in Civil Engineering

First Semester

Code	Subject	Credit
BEG156CI	Applied Mechanics-I (STATICS)	3
BEG104SH	Chemistry	3
BEG148ME	Workshop Technology	2
BEG174CO	Computer Concept and Programming	4
BEG146ME	Engineering Drawing	2
BG101SH	Mathmatics-I	3
BG159CI	Construction Materials	3

Second Semester

Code	Subject	Credit
BEG102SH	Mathematics II	3
BEG157CI	Applied Mechanics-II(Dynamics)	3
BEG147ME	Engineering Drawing-ii	2
BEG103SH	Physics	3
BEG105SH	Communicative English	3
BEG149ME	Fundamental of Thermodynamics and Heat	2
BEG155CI	Building Construction	3

Third Semester

Code	Subject	Credit
BEG201SH	Mathematics III	3
BEG226EL	Electric Circuit and Machines	3
BEG255CI	Engineering Geology	3
BEG256CI	Strength of Materials	3
BEG258CI	Survey-I	3
BEG261CI	Fluid Mechanics	3

Fourth Semester

Code	Subject	Credit
BEG203SH	Probability and Statistics	3
BEG210AR	Fundamentals of Architec- ture	2
BEG259CI	Survey-II	3
BEG262CI	Hydraulics	3
BEG263CI	Engineering Hydrology	3
BEG265CI	Theory of Structure-I	3
BEG296MS	Research Methodology	2

Fifth Semester

Code	Subject	Credit
BEG351CI	Concrete Technology and Masonry Structure	3
BEG352CI	Soil Mechanics	3
BEG353CI	Survey Camp	2
BEG354CI	Theory of structure-II	3
BEG356CI	Transportation Engineering	3
BEG355CI	Water Supply Engineering	3
BEG370CO	Numerical Methods	3

Sixth Semester

Code	Subject	Credit
BEG361CI	Design of Steel and Timber Structure	3
BEG362CI	Foundation Engineering	3
BEG363CI	Irrigation Engineering	3
BEG364CI	Sanitary Engineering	3
BEG365CI	Transportation Engineering	3
BEG395MS	Engineering Economics	3

Seventh Semester

Code	Subject	Credit
BEG450CI	Estimation and Valuation	3
BEG451CI	Design of Reinforced Concrete Structures	3
BEG490MS	Applied Sociology	2
BEG453CI	Hydropower Engineering	3
BEG492MS	Construction Project Management	3
BEG454CI	An Introduction to Earthquake Engineering	2
BEG469	Elective I	3

Eighth Semester

Code	Subject	Credit
BEG455CI	Safety Engineering and Disaster Risk Management	3
BEG456CI	Engineering Professional Practice	2
BEG457CI	Civil Engineering Project	6
BEG469	Elective II	3
BEG499	Elective III	3

M.Sc. in Engineering Management

Lead
Develop
Strategy
Plan
Organize
Management
SUCCESS

First Semester

Code	Subject	Credit
MEM111	Engineering Economic Analysis	3
MEM112	Entrepreneurship	3
MEM113	Organizational Behavior	3
MEM114	Quantitative Methods	3
MEM115	Research Methodology	3

Second Semester

Code	Subject	Credit
MEM121	Financial Management	3
MEM122	Human Resource Management	3
MEM123	Legal & Ethical Issues in Engineering Management	3
MEM124	Operation Research	3
MEM125	Quality Management	3
MEM126	Strategic Management	3

Third Semester

Code	Subject	Credit
MEM211	Managerial Accounting	3
MEM212	Project Financing Management	3
MEM213	Technology Marketing	3
	Elective I	3
	Elective II	3

Fourth Semester

Code	Subject	Credit
MEM221	Dissertation / Thesis	16

M.Sc. in Information System Engineering

First Semester

Code	Subject	Credit
MIE111	Software Engineering	4
MIE112	Object Oriented System	4
MIE113	Communication System Engineering	4
MIE114	Information Security	3
MIE115	Research Methodology	3

Second Semester

Code	Subject	Credit
MIE121	Management Information System	4
MIE122	Advanced Database Management	4
MIE123	Telecommunication Network	4
MIE124	Business Planning & Management	3
MIE125	Operations Research	3

Third Semester

Code	Subject	Credit
MIE211	Distributed & Cloud Computing	4
MIE212	Data Mining & Warehousing	4
	Elective I	4
	Elective II	4

Fourth Semester

Code	Subject	Credit
MIE221	Dissertation / Thesis	16



Himalayan Institute of Science and Technology (Pvt) Ltd

Pass out Students Bachelor in Civil Engineering

1	Abhinav Prashant	51	Bishnu Kumar Prajapati	101	Kapil Paneru
2	Ajit Kumar Raut	52	Bleesh Maharjan	102	Kebal Shah
3	Ajaya Khati	53	Braj Kishor Mandal	103	Kedar Nath Dulal
4	Alok Kumar Yadav	54	Chet Bahadur Ayer	104	Keshav Raj Adhikari
5	Amit Kumar Yadav	55	Chhote Lal Paswan	105	Khagendra Nath
6	Amjeet Krishna Maharjan	56	Damodar Bhusal	106	Kopendra Kumar Yadav
7	Amrendra Chaudhary	57	Deepak Yakami	107	Kopila Shiwakoti
8	Amrit Prasad Yadav	58	Dhan Bahadur Baniya	108	Kosa Raj Chapagain
9	Anil Kumar Sah	59	Dhiraj Pokharel	109	Kripanand Yadav
10	Anil Kumar Shrestha	60	Dhruba Adhikari	110	Krishna Gopal Maharjan
11	Anil Rana	61	Dhurba Raj Karki	111	Kulanand Chaudhary
12	Anil Thapa Magar	62	Dilli Prasad Dahal	112	Kumar Bahadur Khadka
13	Ankit Adhikari	63	Dinesh Pokharel	113	Lajana Shrestha
14	Anurag Wagley	64	Dinesh Prasad Acharya	114	Laxmi Krishna Hona
15	Anusha Shrestha	65	Dipak Kumar Gwayamaru	115	Lokesh Bahadur Kunwar
16	Arjun Ranabhat	66	Dipesh Shrestha	116	Madan Kumar Ale
17	Arjun Shrestha Pradhan	67	Dor Bahadur Yogi	117	Madhu Kumar Basnet
18	Arogya Gyawali	68	Durga Nanda Chaudhary	118	Maheshwor Shrestha
19	Arun Kumar Sharma	69	Durga Prasad Dhakal	119	Mangleswor Dhonju
20	Arun Shrestha	70	Gagal Bahadur Bhandari	120	Manoj Shrestha
21	Ashim Adhikari	71	Ganesh Bahadur Khadka	121	MD Jahir Nadaf
22	Ashish Kumar Shah	72	Ganesh Kafle	122	Meen Raj Ojha
23	Ashok Adhikari	73	Ganesh Thapa	123	Megh Prasad Yadav
24	Ashok Muni Bajracharya	74	Ganga Shrestha	124	Milan Shrestha
25	Baijnath Prasad Yadav	75	Ghanashyam Deuja	125	Min Prasad Basnet
26	Bhola Prasad Thapa	76	Gopal Bhattarai	126	Mingma Dorjee Sherpa
27	Bibhush Shrestha	77	Gopal Maharjan	127	Mrigendra Deo
28	Bibisha Ghimire	78	Govinda Dawadi	128	Naba Raj Joshi
29	Bijay Maharjan	79	Gunjan Gautam	129	Nar Bahadur Thapa
30	Biju Palukashi	80	Himalaya Sharma	130	Narayan Gopal Shrestha
31	Bikash Bajracharya	81	Hom Singh Karki	131	Narendra Chaudhary
32	Bikash Chandra Bhandari	82	Indra Dev Chaurasiya	132	Narendra Shrestha
33	Bimal Kumar Begha	83	Ishwar Mani Pokharel	133	Navin Kumar Chaudhary
34	Bimal Kumar Chaudhary	84	Jagat Kumar Budha	134	Netra Prasad Devkota
35	Bimal Pradhan	85	Jay Prakash Sahani	135	Nikesh Koju
36	Bindiya Thapa	86	Jaya Ram Adhikari	136	Nikhil Bam
37	Binesh Munankarmi	87	Jeetendra Lal Karn	137	Nirmal Kumar Maskey
38	Binod Gurung	88	Jiban Kumar Koirala	138	Padam Raj Devkota
39	Binod Kumar Bhujel	89	Jiwanath Acharya	139	Pankaj Nath Mishra
40	Binod Sah	90	John Shrestha	140	Paras Khadka
41	Binod Shrestha	91	Jyanendra Prasad Pun	141	Paras Kumar Gupta
42	Bipin Karki	92	Jyoti Prakash Nepal	142	Pashupati Upreti
43	Bipin Singh	93	Kailash Shrestha	143	Phalendra DC
44	Birendra Karki	94	Kalyan Gauram	144	Pradip Lawahang
45	Birendra Kumar Bajracharya	95	Kamal Acharya	145	Pradip Kumar Raut
46	Birendra Kumar Mandal	96	Kamal Babu Shrestha	146	Pradip Kumar Shrestha
47	Birendra Kumar Yadav	97	Kamal Kishor Mukhiya	147	Prakash Kadel
48	Birendra Prasad Chaudhary	98	Kamal Narayan Yadav	148	Prakash Niroula
49	Bishnu Babu KC	99	Kamal Shakya	149	Prakash Raj Panta
50	Bishnu Dev Mandal	100	Kanchan Bhatta	150	Pramod Kumar Mahato

151	Pramod Rijal	194	Reena Suwal	237	Sirjana Thapa
152	Prasanna Talcha Bhandari	195	Rinki Bhattarai	238	Sita Baral
153	Prasudhan Devkota	196	Rishi Kumar Chandrayansi	239	Sohani Dhaubadel
154	Pratick Das Shrestha	197	Rita Khadka	240	Subas Baniya
155	Puspakhar Lamichhane	198	Ritambhara Sharma	241	Subas Luintel
156	Rabin Kasti	199	Roshan Regmi	242	Subash Subedi
157	Rabin Prajapati	200	Rupak Kumar Barnwal	243	Subindra Maharjan
158	Rabin Sapkota	201	Rupak Prajapati	244	Subodh Bhattarai
159	Rabin Singh	202	Rupak Raj Parajuli	245	Sudin Maharjan
160	Rabindra Rijal	203	Rupesh Kumar Chaudhary	246	Sudip Pathak
161	Rabindra Shrestha	204	Sabitri Shrestha	247	Sujan Baidhya
162	Rabindra Shrestha	205	Sailesh Amatya	248	Sujan Bhatta
163	Radheshyam Yadav	206	Sambat Aryal	249	Sujan Shrestha
164	Raj Kumar Raut	207	Samjhana Dhakal	250	Sujit Tandukar
165	Rajendra Bhandari	208	Sandesh Prajapati	251	Suman Kumar Labh
166	Rajendra Desai	209	Sandhya Arati Ayer	252	Suman Kumar Mishra
167	Rajendra Dongol	210	Sanjay Kumar Mahato	253	Suman Shrestha
168	Rajendra Mahara	211	Sanjay Kumar Shah	254	Suman Thapa
169	Rajendra Maharjan	212	Sanjay Kumar Yadav	255	Sumit Chaudhary
170	Rajesh Kumar Paudel	213	Sanjay Kumar Yadav	256	Sumit Kumar Thakur
171	Rajesh Kumar Ray	214	Sanjay Pandey	257	Sunil Adhikari
172	Rajiv Ranabhat	215	Sanjay Rawal	258	Sunil Krishna Shrestha
173	Raju Joshi Shrestha	216	Sanjeev Khadka	259	Sunita Kharbuja
174	Raju Lakhaju	217	Sanjib Neupane	260	Surendra Prasad Jayaswal
175	Raju Mandal	218	Sanjiv Kumar Thapa	261	Suresh Kumar Singh
176	Raju Shrestha	219	Santosh Kumar Yadav	262	Suroj Shrestha
177	Rakesh Darshandhari	220	Santosh Shrestha	263	Sushil Man Byanjankar
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179	Ram Bahadur Tamang	222	Sarjan Shrestha	265	Tej Narayan Ray Yadav
180	Ram Bharos Chaudhary	223	Saroj Shrestha	266	Tej Prakash Sapkota
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183	Ram Chandra Pokharel	226	Shayam Sunder Singh	269	Tika Bahadur Koirala
184	Ram Hari Gautam	227	Sher Bahadur Bhandari	270	Topendra Kumar Dahal
185	Ram Ishwar Mandal	228	Shiva Khanal	271	Tulshi Ram Sinkemana
186	Ram Rath Kharel	229	Shiva Ram Maharjan	272	Umesh Kumar Chaudhary
187	Ram Sharan Acharya	230	Shravan Kumar Mandal	273	Umesh Thapa
188	Ramesh Giri	231	Shrawan Kumar Shah	274	Vinod Kumar Singh
189	Ramesh Koju	232	Shree Ratna Tamrakar	275	Yogendra Bohara
190	Ramesh Raj Pant	233	Shreebodh Jnawali	276	Yogesh Kumar Yadav
191	Ramhari Phuyal	234	Shrijana Shrestha	277	Yub Raj Pokhrel
192	Rashila Tamrakar	235	Shumbhu Jha	278	Yugraj Parajuli
193	Ratna Prasad Suwal	236	Shyam Kumar Khavas		

Himalayan Institute of Science and Technology (Pvt) Ltd

Pass out Students

Bachelor in Electronics & Communication Engineering

1	Abinash Shrestha	7	Bhoj Raj Panthee	13	Deb Raj Khanal
2	Amrit Nepal	8	Bhupal Chhetri	14	Deepak Maharjan
3	Anoj Dangol	9	Bhusan Devkota	15	Dharma Raj Dhakal
4	Ashok Prakash Ghimire	10	Bikash Kumar Sah	16	Dharma Raj Maharjan
5	Bashanta Dhakal	11	Bipin Pokharel	17	Dhruva Kishor Lal
6	Bharat Kunwar	12	Bishnu Raj Bhandari	18	Dil Krishna Pila Shrestha

19	Dilananda Bhatt	38	Narayan Raj Shrestha	57	Santosh Rai
20	Dilip Pandey	39	Naveen Kumar Yadav	58	Satyendra Adhikari
21	Dilli Raj Ojha	40	Neema Thapa	59	Shailesh Adhikari
22	Dim Narayan Sah	41	Nillavi Giri	60	Shree Narayan Chaudhary
23	Gopal Prasad Poudel	42	Niraj Kumar Karn	61	Shyam Krishna Shrestha
24	Hemraj Katwal	43	Nirajan Mainali	62	Sirjan Pokhrel
25	Ishwar Raj Shrestha	44	Pawan Kumar Karna	63	Subha Pathak
26	Janak Dangi	45	Prabhat Kumar Jha	64	Subhakar Khadka
27	Kabi Ram Thapa	46	Pradip Kafle	65	Sudarshan Pandit
28	Kabir Kumar Sinkemana	47	Pramod Karn	66	Sudip Khadka
29	Karan Bahadur Bhandari	48	Promod Khatiwada	67	Suman Acharya
30	Kishwar Darshandhari	49	Rabindra Kumar Sah	68	Sunil Kumar Mishra
31	Kulchandra Panthee	50	Raj Deshar	69	Suwash Khatiwada
32	Lal Bahadur Rana	51	Rajendra Prasad Yadav	70	Swatantra Raj Joshi
33	Madan Suwal	52	Raju Rana	71	TejBahadurShahi
34	Manish Humagain	53	Ram Kishun Mahato	72	Tej Narayan Yadav
35	Manish Nepal	54	Ram Kumar Shah	73	Ujjwol Shrestha Nayaju
36	Manish Thapa	55	Ranjit Kumar Thakur		
37	Mukesh Basnet	56	Sanjay Prakash Shahi		

Himalayan Institute of Science and Technology (Pvt) Ltd

Pass out Students

M.Sc.In Engineering Management

S.N	Name Of Students	Thesis topic
1	Er. Mithlesh Kumar Jha	Effective Management of Internet and Mobile Banking In Nepal
2	Er. Krishna Pokhrel	Technology Transfer Issue in Nepal Telecom and its Impact on Quality of Service
3	Er. Pravin Neupane	Passengers Perceived Satisfaction of the Facilities and Service at the Tribhuvan International Airport
4	Er.Ramesh Kumar Disti	Review of Bidding Trend in Construction Tenders For the Purpose of Amendment in Public Procurement Legislation Of Nepal”
5	Er. Hari Narayan Vinwar	Evaluation of Leadership and Organizational Performance in Small Scale Industries in Nepal; A case of selected Small Scale Industries in Balaju Industrial Estate, Kathmandu, Nepal.
6	Er. Upaj Dhakal	Employee Incentive System In Civil Aviation Authority of Nepal
7	Er. Dipendra Bahadur Bam	Risk Analysis on Foreign Investment of Hydroelectric Projects in Nepal
8	Er. Keshav Sharma	Job Satisfaction and Organizational Commitment Among Nepal Telecom Engineers
10	Er. Shambhu Yadav	Study of Scope and Feasibility of Grid Connected solar PV System in Nepal
11	Er. Shankha Bahadur Gosain	A study on Routine Maintenance Management Practice in Department of Road. A case study in Kathmandu Valley
12	Er. Rajendra Prasad Hada	Comparison of Different Building materials used for building construction in Kathmandu Valley
13	Er. Cheta Nath Pande	Problem on Management Issues Faced by the Residents of Apartments in Kathmandu Valley
14	Er. Upendra Narayan Chaudhry	Assessment of Effective Manufacturing Process of High Quality Intraocular lens
15	Er. Umesh Kumar Shah	Study on Site Management of Commercial Building Construction within the Kathmandu Valley
16	Er. Rajendra Bhandari	Use of Temporary Building Construction Material for Post Disaster Management
17	Er. Dinesh Kumar Mahto	Comparison of Different Types of Road Construction Practices in Surkhet District, Nepal

18	Er. Ram Chandra Paudel	A study on problem and Management of Private Land Acquisition Privately Developed Hydroelectric Projects (A case study of Upper Maesyangdi-2 HEP)
19	Er. Raju Ghimire	Impact of Conditions of Construction (FIDIC 99) on Contractor's Cost Estimation in Nepal
20	Er. Sanjaya Raj Adhikari	Study on Further Investment in Fixed Telephony by Nepal Telecom
21	Er. Sachin Bhandari	A study on the LEAN Manufacturing Concept in Nepal and Development of its Implementation Model at Hulas Steel Factory
22	Er. Kashi Nath Dotel	Critical Factors Leading to Delay in Road Construction Project in Nepal (A case study of road improvement project)
23	Er. Bishnu Prasad Sah	Green City Initiative and its Sustainable Management in Ilam Municipality, Nepal
24	Er. Dhiraj Poudel	Study of Success Factor of Gravity and Life Irrigation Science in Kapilvastu District, Nepal
25	Er. Pawan Mahaseth	Public-Private partnership (PPP) In Nepal (A case Study of new Bus Park Terminal at Gongabu, Kathmandu)
26	Er. Sujit Kumar Yadav	Quality Control and Management in Road Project
27	Er. Vesh Ram Pokharel	Resident's Trust and Satisfaction on High-Rise Building Services in Nepal
28	Er. Dipendra Pandey	A Comparative Study of Road Crash on Tinkune (Kathmandu) –Suryabinayak (Bhaktapur) Road Section
29	Er. Nawadita Parajuli	Maintenance Management of Medical Equipment in Government Hospitals
30	Er. Prabin Krishna Tamrakar	Water Management in High-Rise Residential Apartments in Kathmandu Valley
31	Er. Suman Kumar Mishra	Design-Build Procurement Process for Public Infrastructure in Nepal
32	Er. Rajan Lama	Factors Influencing the adoption of Internet Banking in Kathmandu
33	Er. Rabi Shrestha	CRM in Mobile Telecom Services: A Study on the Role of Services Quality on Customer Satisfaction and Services Loyalty of Services Providers and Ncell.
34	Er. Rajendra Paudel	Assessment of RCC Bridge Condition using Unified Condition Rating System(Case Study of Chaku and Bagmati Bridge of Araniko Highway)
35	Er. Subash Rajkarnikar	Customer Satisfaction in Ecommerce in Retail Sector of Kathmandu.
36	Er. Bhuwanesh Mani Tripathi	Management of Green Road Construction Rural for Transportation in Dailekh District
37	Er. Binod Shah	Safety Management in High-Rise Building Construction in the Kathmandu Valley
38	Er. Sabin Kumar Shrestha	Potential In Harvesting Rainwater to Mitigate Water Scarcity : (A Case Study of Rainwater Harvesting Plants in Lalitpur Metropolitan City)
39	Er. Rupal Pradhan	Upper Balephi-Lamosanghu 132 KV Transmission Line.
40	Er. Krishna Adhikari	GEEOW Projects Towards Small Community Infrastructure Development of Society.
41	Er. Yadav Prasad Mainali	A study on Water Sanitation and Hygiene (WASH) infrastructure of community schools of Pyuthan
42	Er. Chandra Prasad Mishra	Water Management in Individual Residents in Kathmandu Metropolitan City
43	Er. Nishant K.C	Consumer's Trust and Satisfaction on the Construction of Feeder road in Nepal
44	Er. Rajesh Tyata	Comparison of Lightweight Prefabricated Panels with Brick Masonry in Kathmandu Valley
45	Er. Babu Ram Lamsal	A study of a Project Cycle (A Case of Study Water Pumping Project In Nepal)
46	Er. Sanjay Pandey	Study on Green Building Practice and Development in Kathmandu Metropolitan City
47	Er. DeoNath Sing	An Assessment of Functionality of Water Supply Schemes of Salleri VDC in Solukhumbu District, Nepal
48	Er. Barun Kumar Jha	Analysis of Occupation Safety & Health Condition of Brick Industries in Bhaktapur District
49	Er. Bijay Kumar Yadav	Cost Escalation and Schedule Overruns on Construction Project.
50	Er. Nabin Karmacharya	Analysis of Service Quality and its Relation to Customer Satisfaction of Mobile Telecommunication Services in Nepal
51	Er. Niraj Shakya	Cause of Delay in Bridge Construction Under Division Road Office, Butwal

52	Er. Kabin Mool	Real Time Flood Monitoring and Early Warning System For Nepal
53	Er. Rajesh Kumar Paudel	Comparison Study of Conventional and Non-conventional irrigation system in Dhading
54	Er. Bimal Prasad Dhakal	Routine Maintenance Works Done by Road maintenance Group in Rural Roads of Nepal
55	Er. Ramesh Kumar Neupane	Effectiveness of Improved Nakhkhu Water Supply System
56	Er. Narahari Prasad Kharel	Impact Study of River Training Measures in Roshi River along the BP Highway in Kavre.
57	Er. Anuradha Sharma Adhikari	Barriers In Hydropower Development of Nepal in The Context of Independent Power Producers and Ranking of the Barriers.
58	Er. Raja Ram Kafle	A Case Study on Socio-Economic Impact of Rural Road Construction (A Case study of Bayarghari-Biruwa Rural Road in Syangja)
59	Er. Narayan Prasad Nihure	Assessment of Road Safety Management in Maitighar-Tinkune Road after Widening by Government of Nepal
60	Er. Ram Bharati	Hire Rate Analysis of Heavy Equipment used Road Construction of Nepal
61	Er. Mukunda Prasad Lamichhane	Safety Culture Principles and Practices at Sinamangal to Bagbazar Road Section
62	Er. Raj Kumar Shakya	Functional of Khalanga Brihat Water Supply Project in Dadeldhura District, Nepal
63	Er. Nripendra Kumar Shrestha	Sediment Study in The Himalayan River of Nepal: A Case Study of Bhotekoshi River, at Jambu, Sindhupalchowk
64	Er. Laxmi Sundar Hakuduwal	Health and Safety of Construction workers on Balkhu-Dakchinkali Road Site
65	Er. Prem Lal Bhasima	A Study on Safety Management in Building Construction Site in Kathmandu Valley
66	Er. Akalesh Isar	Routine Maintenance Works Done By Road Maintenance Groups in Rural Roads of Nepal.

Himalayan Institute of Science and Technology (Pvt) Ltd

Pass out Students

M.Sc.In Information System Engineering

S.N	Name Of Students	Thesis topic
1	Er. Arun Bhusal	Construction of Telecommunication Sector in the GDP: A Case of Nepal
2	Er. Subash Humagain	Fixed To Mobile Substitution Model For Nepalese Market
3	Er. Anil Kumar Shrestha	A Study of Effectiveness of Optical Connectivity as Access Network: Case of Nepal Telecom
4	Er. Hari Prasad Pokhrel	Cost of Loss and Leakage of Mission Critical Information and Preventive Measures of Financial Sector of Nepal
5	Er. Binod Sapkota	Performance Analysis of Cooperative Diversity for Free-Space Optical Communication
6	Er. Janardan Bhatta	Performance Evaluation of Centralized Scheduling Wireless Network Using Balanced Tree Formation Algorithm
7	Er. Gokul Poudel	Development of a National Telemedicine Network in Nepal
8	Er. Hari Dhakal	Study of Multiple Services Credit-Control using Diameter Protocol in Telecom Network
9	Er. Gangadeep Karki	Performance Analysis of Generalized Predictive Power Control Algorithm in CDMA System
10	Er. Jyoti Karki	Capacity and Coverage Enhancement of CDMA System Via Multi-hop Transmission
11	Er. Hari Gopal Maharjan	Designing Land Information Architecture and Module For Nepal
12	Er. Pradeep Pokhrel	Enhancing Backbone in Networks of Nepal

13	Er. Keshab Raj Gautam	An Architectural model of National Identification (NID) System in of Nepal
14	Er. Bikash Pokhrel	Formulating Business Model For Mobile Broadband Video, Music Streaming and Download Services: A Case Study of Nepal
15	Er. Chandra Prakash Yadav	An Improved DFR-Based Channel Estimation Algorithm For MIMO-OFDM System
16	Er. Lekha Nath Paudel	Implementation Framework For Adaptive E-learning for Nepal
17	Er. Sanjeeb Kumar Deo	Spectrum Re-Farming for Mobile Communication
18	Er. Ram Datta Bhatta	Development of Unique Owner ID for Land Administration of Nepal
19	Er. Madan Oli	Problem in Implementing E-Government Services in Nepal
20	Er. Khadak Sing Bhandari	E-Government Implementation in Nepalese Judiciary
21	Er. Anupa Dhungel	Citizen's Trust & Satisfaction on E- Government Services in Nepal
22	Er. Dinesh Nepal	Electronic Commerce Development Barriers in Nepal
23	Er. Ramesh Prasad Subedi	A Usability Evaluation for E-Commerce E\Websites of Nepal Using Fuzzy AHP
24	Er. Sona Lal Yadav	Feasibility of E-Learning in Nepal
25	Er. Hari Prasad Aryal	Preventive Measures of Use of Electronic Cards in Financial Sector of Nepal using Data Mining Technique
26	Er. Deo Narayan Yadav	Assessing the Roles of Information Technology (IT) on Data Management of Household Server.
27	Er. Vishal Joshi	Study of Feasibility and Trust for Distributed Database Management Systems in Banking Sector in Nepal
28	Er. Purna Bahadur Kuwar	Roles Of Data Center For Empowering E-Government In Nepal
29	Er. Subodh Kumar Rimal	Study, Analysis and Design of Networking Operations Center For Multi-Portfolio Service Provides in Nepal
30	Er. Ashok G. M.	Emerging E-Threats and Data Security Model For Organization In Nepal.
31	Er. Shyam Khadka	Data Center Implementation Challenges in Nepal
32	Er. Raju Shrestha	Implementation Challenges of E-Governance in Employment Permit System
33	Er. Sujit Anand Malla	Implementation Challenges of Cloud Computing in Enterprise Sector
34	Er. Hari Bahadur Khadka	Three Components of UN's E-Government Development index (EGDI) Based Study of Challenges of E-Government implementation in Nepal
35	Er. Bishnu Raj Bhandari	Benefits and Challenges of Cloud Based E-Learning System in Nepal.
36	Er. Ram Chandra Lamsal	Role of Telecommunication Infrastructure For Smart City Development in Nepal
37	Er. Renu Tripathi	Digital Divide in ICT Services: A Case Study of Nepal
38	Er. Krishna Chandra Paudel	Analog to Digital Radio Broadcasting Transformation and its Challenges.
39	Er. Dharmendra Prasad Yadav	Adoption of ADSL Service in Rural Nepal: Case Study of Upaypur District.
40	Er. Rabindra Kumar Sah	Quality Of Service (QoS) Analysis of HSPA Radio Network For Real Time Traffic
41	Er. Shiva Prasad Paudyal	Comparative Analysis on System Performance and Energy of Different band LTE Femtocell Networks
42	Er. Prachanda Lal Shrestha	Analysis of Energy Efficiency and System Performance of WCDMA Femtocell
43	Er. Arjun Raut	Application of Artificial Neural Networks For the QoS Evaluation of Computer Networks.
44	Er. Sushanta Joshi	Evaluation of LTE Deployment In Different Frequency Bands
45	Er. Nanda Lal Rana	Network Bandwidth Utilization Prediction Based on Observed SNMP Data: A Case of Nepal Telecom of Far Western Development Region of Nepal
46	Er. Hemant Kumar Yadav	A system and Method for Air-To-Air and Air-Ground Communication Using Aircraft as a Relay Station
47	Er. Ramesh Kumar Pudasaini	Comparative Analysis of Different Wavelet Families for the Improvement of Image Steganography
48	Er. Bimal Kumar Sharma	Implementation of Platform as a Service (PaaS) in Nepal



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HIST-Engineering College

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Published on June 5, 2018