

college readers

Oxford College

Oxford College receives
International Star Award for
Quality Leadership

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Engineering
Studies:
Academic Gold
Standard

IOE Examination Vibes:

97 out of 100 examinees from
PEA unleash the deadlock of
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Jeetendra Ghimire
Publisher/CEO

Engineering: Scientific Breakthroughs

The scope of engineering is commensurate with the development of a country. The more a country is developed, the more opportunities engineers are likely to get. Since Nepal is increasing its developmental intensity gradually, with the pace of developmental crescendo, engineers can get a deluge of opportunities.

As many as 35,000 engineers have been registered to Nepal Engineering Council till now, and more than 15000 engineers are outside the country. The scope of engineers in Nepal is rising especially in hydropower, tourism and construction sectors. Engineers directly get involved in a hydropower project, which has necessitated the significance of engineers. Regarding tourism, we need to build stunning infrastructures and preserve our historical treasures, for which the engineers are needed. As Nepal is in the phase of constructing railway transportation, railway engineers are equally important. Similarly, the country needs a high number of IT engineers since it is witnessing technological marvels in a cascade of developmental phases.

Indeed, Nepal is a developing country. The demand of the engineers has increased dramatically in the aftermath of the massive earthquakes-2072, but the ratio of engineering graduation is relatively low because every engineering collegian does not turn out to be an engineer later. Nevertheless, the government of Nepal has initiated a range of mega projects which will surely escalate the prospects of engineers in Nepal.

Before embarking on the present status of engineering education we must know its history. The IOE was established in 1959 following the establishment of Tribhuvan University. At first, Civil Engineering in bachelor level was commenced with its own resources. And only other subjects of engineering like electrical, electronics, mechanical, architecture were offered in 1994. The government pledged only incentives to the University. As far as the prospect of engineering in Nepal is concerned,

it has a greater scope now than before.

Tribhuvan University has made a significant contribution in the avenue of engineering. Therefore, this university is considered to be the pioneering University of Nepal. The university encompasses outstanding rules and regulations, standards, which are excellent and distinctive from other Nepalese universities, and play a catalytic role to transform the ordinary education system of Nepal into the rewarding one. The standard of the Tribhuvan University is an epitome of academic excellence that has been followed by many universities in Nepal. Kathmandu University, Pokhara University, Purbanchal University, Mid-Western University and Far-Western University are playing a tremendous role in contributing engineering education to a wider network of development areas. The private engineering colleges have also played a pivotal role in imparting an award-winning engineering education.

However, there have been some challenges in engineering education in Nepal. The main challenge is to provide quality education. The provision of quality education, which can be accepted nationally and globally, appears to be more challenging now. We have failed to provide modern and updated syllabuses that are acclaimed globally. We are lagging behind in providing life-changing courses which our existing system and industries require. The reason behind this academic derailment is of university's reluctance to consult private colleges to prepare syllabuses according to prevalent requisites of the engineering program. On the other hand, private colleges are not authorized to prepare the syllabuses themselves.

In brief, the University (TU) itself should be agile to build good rapport with colleges and develop its syllabuses together for quality enhancement in order to refrain from possible repercussions.

Readers of this magazine are requested to send letters to the Editorial Board suggesting, complaining and giving thanks so that this magazine will be refined in its next issue.

Send to: collegereaders123@gmail.com

All letters on this page will receive a gift hamper-free subscription of College Readers for six months. The best letter on this page will be awarded two thousand rupees. Winners are requested to contact the office with their ID card/citizenship.

College Readers magazine is all about highlighting the profile of colleges, which make remarkable contributions in the arena of education. Moreover, it also provides the learners with latest educational breakthroughs. As a student, I like to read it, but it is not easily available in the market. I think College Readers, which is full of educational news, views, and interviews, along with jaw-dropping articles and educational research, must be dispersed in the market so that it reaches more readers. It should be on hands of all students.

Rejina Humagain
Grade: XI, The Times Int'l College



I am a regular reader of College Readers magazine. It gives us detailed information regarding colleges located all over Nepal. It includes the views and interviews of founder principal, educationists, which is the best part of it. It helps students know about the college, and how it contributes to the society and nation for flourishing the education. My concern is to include the space for students' column from which it will be easy to know how students perform for better academic enhancement.

Juna Neupane
MBS, Shankerdev Campus



There is no doubt College Readers is the only magazine which is continuously focusing on colleges and their academic activities. I have been reading this magazine for the past five years and have found it very effective and revolutionary which clears the concept about today's education scenario especially in higher education. I am the regular internet user but I wish to have College Readers' website which will be easy for me to be acquaint with news, views, information focused on education.

Sagar Shrestha
BE Mechanical, Pulchowk Campus



Urussa Joshi Crowned Miss Grand Nepal 2018

Urussa Joshi has bagged Miss Grand Nepal 2018, held at Heritage Garden, Sanepa on 4th August, 2018 organized by RK Entertainment Group. As the winner of the event she would now be officially represent to Nepal at Miss Grand International 2018 being held in Myanmar.

Urussa has been awarded with cash prize of rupees fifty thousand and a new Suzuki scooter. Urussa was also successful at Miss Catwalk category, Zenus Lama, the former Miss Grand Nepal, crowned Urussa as her successor.

The finals saw Eksha Maden as first runner-up while Riya Gaire completed the event as second runner-up. They respectively received cash prize of rupees thirty and twenty thousand. Eksha was also successful at Personality category while Riya also bagged the awards in photogenic and talent category.

The event showcased under the banner of RK Entertainment Group has been choreographed by Rojin Shakya while the contestants were dressed on the attires by fashion designer Uttam Banepali.

Other special awards winners: Miss best figure & best speech was awarded to Sushmita Tamang. Sanjita Ranabhat for Miss Multimedia and Best Report writing award was given to Sarah Kapali.



Oxford College of Engineering and Management (OCEM), situated in Gaidakot Municipality of Nawalpur district has been awarded "International Star for Leadership in Quality-2018" at the 22nd International Convention held in Paris — the capital city of France — on July 01. The award pledged to him not only surges the status of the college, but also ignites the spark of national pride.

Business Initiative Directions (BID) provides such a prestigious award annually to the organizations and the institutions that show outstanding leadership skills and management system.

The nominees from various institutes, firms and organizations were chosen by the international selection committee and evaluated by the specialists from 90 countries across the world. The committee picks an organization based on the evaluation of: customer satisfaction, innovations, research and development, education impartation, post-sales services, Quality ISO 9001, environment, recycling, business excellence, TQM implementation, profitability performance growth, brand, marketing, leadership and management. Getting such type of international award by Oxford College is probably the first achievement of Nepal. "This award has encouraged the entire college family and students to aim high with diligence and commitment for quality enhancement", says the founder principal of Oxford College — Er. Hari Bhandari. Er. Bhandari reminisces about his past days when they generated a firm belief to establish an institution (Oxford College) that would make major breakthroughs in innovation and quality deliverance. He believes the college has been successful in adding a cornerstone to its success and escalating its image, quality and commitment to greater heights.



Oxford College

RECEIVES INTERNATIONAL STAR AWARD FOR QUALITY LEADERSHIP

College Readers feels privileged to congratulate you for being awarded "International Star for Leadership in Quality". Sir, would you elucidate us more about the award?

The name itself is clear about the award. Topmost leaders of the globe working in quality management and organizations are addressed by this award. This award is not given by the recommendation of any person or organization. This award is established by a Spanish national George E Petro, who worked as the resource person of quality for more than 100 countries throughout his 40 years career. He later established a company named 'Business Initiative Direction'; now more than 179 countries have acquired the membership of this company. To honour and evaluate the quality delivery of various organizations throughout the globe Mr. Petro established this company in 1986. The company has set certain terms of quality delivery. They collect the data through Embassies, chamber of Commerce, universities, social

organizations and field visit too. After that, a panel of experts from 90 countries evaluate it and if felt necessary, reevaluate it. After that, the verified data will be sent to the selection committee. The procedure seems unbelievable and unique in our context as we have been fully relying on the system of recommendation and kins-folkism.

How were you informed about the award?

I knew it through a letter from the company. But because of slow delivery of the letter to me from Kathmandu, I was in hustle and bustle while applying for visa process to receive the award. The letter was issued in April and I got it on 2nd week of June; I was supposed to reach Paris on 31st of June to receive it. However, with the support of the Embassy and the request from the organization, I got visa no sooner than a week.

How did you feel at that moment?



I felt that the continuous effort to our work will surely lead to the success. We can scale up the Summit if we became active and effortful on what we are supposed to do.

How does it feel to achieve such award and what did you express at that moment?

We reached Paris on 30th and attended the ceremony on 31st at 9 o'clock in the Hyatt Regency Hotel at Paris. We felt very difference and we got motivated and energized to see such a grand seminar and be part of international accreditation. We attended the seminar of e-commerce at the day time and were warmly welcomed at the dinner program where we had been honored with the gold Medal and certificates. We were given one minute to express and I expressed words of gratitude on behalf of my organization and the nation. I also requested the dignitaries from more than 117 countries to visit Nepal, though economically poor but rich in natural beauty.

While receiving the Award, did you feel that you need to be more effortful for quality delivery?

Of course, it did. The back page of the certificate itself articulates and expects my commitment along with my co-working staff members to increase the quality we have been rendering. It has mentioned about the continuous service, customers satisfaction, progressive report of the business, enhancement and international quality maintenance, better management and quality leadership-these are what expected from us collectively. It has energized us for pursuing better in terms of best performance that quality cannot be confined in certain geographical location and financially affluent institutions only. We visited about 10 European countries in this context and got opportunity to see various academic institutions and universities too. We visited universities at Vienna, Hungary and so on. After our visit, we concluded that cleanliness, magnanimity, respect to others, work culture, responsiveness are the key instruments necessary for developing the society prosperously which we need to introduce in Nepal. We, the ones involved in the forefront of the society: educationists, media persons and politicians must realize quality aspects and implement from our parts; norms, values and ethics of work place must be maintained.

While receiving the award, whom did you remember?

Other many reporters ask me this question frequently. Of course, I must

have remembered our students, teachers and staff members, the guardians and the ones who always encourage me for better achievement but the environment was quite different and at that time I remembered none other than my country at the moment. The picture of common Nepali folk reeled in front of me as I had been representing my country.

Had you ever thought, of getting such an International Award being the founder principal of Oxford College of Engineering & Management?

Very good question; I had not even thought about achieving such a grand award but I was very firm on the continuous and honest effort keeping the self-respect very high. So, I had a vision of running very systematic qualitative and top class college out of Kathmandu Valley-which has been materialized and accredited with the award. I want to share this fortune with all the Nepali people who have directly and indirectly been my inspiration to bag such Award in Europe. Now, the whole environment of the college is automatically something new.

What does it mean by achievement?

There can be achievement of money, material prosperity, personal prestige etc., but while you earn the national prestige through your effort it is what is counted as achievement.

Can this award be gained second time too?

Of course, you are eligible for several times but you must maintain the quality as benchmark set by the organization. You must continuously do better for that.

Whom do you accredit for achieving such award?

If I am to categorize numerically, first the credit goes to many students, then my teaching and non-teaching staff members, third my guardians who



Hari Bhandari
Founder Principal
Oxford College of Engineering & Management, Gaindakot, Nawalparasi

entrusted me for long time; similarly, the media persons who have created the environment exposing us through the media and our well wishers who are the backbone of this college from oblivion. These all have inspired and motivated me.

What is the further plan of Oxford College?

Adding some of the academic programs, adopting best management system that has been develop over the years, teachers quality enhancement, provide moral and ethical boosting programs to students are in the plan of Oxford College.

What have you learned from the international award?

The first and foremost is the continuation in your work, second, hard working is compulsory; third you must have positive attitude, fourth you must manage the organization well; the goal, action plan and procedure must be followed as black and white.





IOE Examination Vibes:

97 out of 100 examinees from PEA unleash the deadlock of IOE Entrance Examinations

Of late, Tribhuvan University Institute of Engineering (IOE) has published the entrance examination results for the enrollment in its various constituent and affiliated colleges for BE/B.Arch. programs. The entrance examination was held from 18-30 Shrawan 2075. A total of 6,335 students conquered the entrance examination.

There are a total of 10 affiliate and four constituent colleges under the IOE. A total of 1872 seats are available for Eastern Regional Campus, Pulchowk Campus, Thapathali Campus and Western Regional Campus. Private engineering colleges provide 2304 seats for Civil, Computer, Electronics Communication & Information, Electrical and Architecture.

The affiliated colleges follow different procedures for enrollments. And the list consists of Kantipur Engineering College, Kathmandu Engineering College, Himalaya College of Engineering, Advanced College of Engineering and Management, National College of Engineering, Kathford International College of Engineering and Management, Janakpur Engineering College, Khwopa Engineering College, Lalitpur Engineering College and Sagarmatha Engineering College.

The results have opened the door

Atul Kumar Karn IOE Entrance Topper-2018

How are you feeling after achieving the stratosphere in the IOE Entrance Examination of 2018?

I was quite surprised and happy about listening to the results. The exam had gone good and I was not very much optimistic but it turned out to be good. I am overwhelmed for achieving such a feat.

Who do you want to give credit for your success?

Firstly, I am very thankful to my parents. They had done a lot for me. Also my relatives, teachers and PEA, all have a very important role in my life.

Had you ever had a thought of becoming the entrance topper?

I knew that I can do it. There was a little bit of hope inside me that I can do it. I was not very much unsure of myself. What are the secrets behind topping such an arduous entrance exam? Good grasp of knowledge is a key to success. We have to study hard in class and not letting the mind to be distracted by useless stuff.

How would you like to acknowledge the contributions of PEA for helping you reach the apex level of success?



Atul Kumar Karn is a permanent resident of Nepalgunj. He passed SLC with 3.8 GPA from West Zone English Medium High School, Nepalgunj, plus two science with 3.78 GPA from Orient Int'l College, Kathmandu and grabbed the first position in IOE Entrance Examination securing 129 marks out of 140. He is willing to pursue computer engineering course.

Udeshya Dhungana

IOE Entrance 3rd Topper of 2018

for admission in Computer, Civil, Electrical, Electronics, Communication & Information and Electrical of BE including B. Arch in various IOE constituent and affiliated engineering colleges under scholarship or self-funded scheme. Moreover, Pulchowk Campus admission procedure is based on entrance exam, which seems metallic beaten rice to masticate for average-performing students.

PEA — the biggest and highly reputed B.E. entrance centre — celebrated its heyday for attaining the sterling niche after helping 97 students unleash the deadlock of IOE entrance examinations, which allocates only 100 seats for preparatory classes. It has immensely contributed to the preparation of competent students for IOE entrance examinations, which was established in 2051 BS. With the span of 24 years of establishment, it has helped around

PEA has become one of the most important aspects of my achievement. Teaching methodology at PEA has become very helpful. I got a really good experience studying at PEA.

How did you prepare yourself for this exam?

Primarily one should not focus only on entrance questions but also on the procedure for solving the problem. If you study well in grade 11 and 12, the entrance exam will not be that much hard. If you join the entrance preparation classes, it would be easier.

How are you planning to serve your country after being an engineer?

I want to be a computer engineer. As our country is behind in IT sector and entire development work depends on technology, I want to be one of the contributors to this field to uplift my country's status.

How would you like to suggest your juniors who are trying their best to conquer the entrance examination of IOE?

First and foremost, I would like to suggest that the theory part of grade 11 and 12 is very important and students should not ignore anything. If you skip, it will be hard to recall later. You can start in grade 11 but not from the very beginning of grade 12, whenever you feel you should. It would be helpful. Studying topics related to the entrance would be helpful.

As per your experience, how should we study to achieve the stratospheric niche in the entrance?

We should manage our time table properly and carry on our practice regularly. We should know concepts about everything from grade 11 till we reach 12. We should be familiar with entrance questions that can be probably asked by IOE, TU. Practice is necessary. At PEA, they just polish our knowledge and make us more familiar with question pattern.

How would you like to serve your country as a computer engineer in future?

Nepal is just a developing country with lots of prospects. A developing country needs science and technology to flourish. In the twenty first century, computers are used in every field. I would like to develop software which is essential for every company. I want to lead the revolution in IT sector. I will give my best to this field with all my dedication.

How do you acknowledge the contributions of PEA to your success?

First, I would like to thank PEA for helping me be on the second position in IOE entrance result. PEA has very talented, qualified and experienced teachers. I was able to clear all my doubts when I took the classes. The teachers helped me to revise and understand every topic.

What are your suggestions to juniors who are willing to prepare for IOE entrance exams?

You should study hard to get into

50,000 get enrollment opportunities (which is a rare privilege in Nepal) in prestigious engineering colleges in Nepal and abroad. It is striving to provide outstanding preparatory classes to its students with the core skills and techniques to pass the entrance examinations. It has proven to be the



Udeshya Dhungana passed SLC with 3.7 GPA from Shree Pokhariya High School, Biratnagar, plus two science with 3.75 GPA from Arniko Boarding Secondary School, Biratnagar and grabbed 2nd position (121.3 marks out of 140) in IOE Entrance Examination. He is willing to pursue computer engineering course.

Pulchowk. You should not frustrate regarding time. You should rather study in that worrying time. Studying every time and everywhere is not good. Minimize the time you give to social media. Utilize social media instead of just using them for time pass. You should know all syllabuses of grade 11 and 12 and know some objective pattern. Also if you join PEA, it will be a lot easier.

best institute for engineering entrance preparation in Nepal. The institution has been able to help 98% of its students succeed in the IOE entrance examinations including the 1st, 2nd, 3rd, 4th toppers. As many as 7000 students prepare for such entrance examinations every year. The results speak of

themselves.

The PEA faculty is the most renowned and highly demanded team in Nepal. They are quite popular amid students



Nimesh DC

IOE Entrance 2nd Topper of 2018

Nimesh DC conquered his SLC with 3.85 GPA from Sainik Awasiya Mahavidhyalaya, Sallaghari, Bhaktapur, plus two Science with 3.85 GPA from St. Xavier School, Maitighar, Kathmandu and grabbed 2nd position in IOE Entrance Examination securing 122.4 marks out of 140. He is willing to pursue computer engineering course.

Have you ever imagined that you would embrace that level of achievement in IOE Entrance Examination?

I had not imagined that I would be capable of attaining such status but I always thought I could do well because I believe that no one comes inherited with the knowledge and skill but learns it.

As per your experience, how should we study to achieve the stratospheric niche in the entrance?

Personally, I don't think achieving good ranks in entrance is just about effort during final hours but it is deeply rooted to how we have studied and most importantly how deeply we indulge with the concepts of subject matters and not just through sheer memorization.

How would you like to acknowledge the contributions of PEA for helping you reach the apex level of success?

PEA has been really helpful to me especially in familiarizing with the skills and tools needed to perform well in the entrance examination. The teachers at

SUPRIYA KHADKA
IOE Entrance Achiever of 2018

Supriya Khadka passed SLC with 3.9 GPA from Grammar Secondary School, Kathmandu, plus two science with 3.64 GPA from St. Xavier, Maitighar and ushered her into the list of outstanding students' names of IOE Entrance Examinations, securing 70th position (109.4 marks out of 140). She is willing to pursue computer engineering course.



Have you ever imagined that you would reach that level of achievement in IOE Entrance Examination?

I had a faith that I would be able to unleash the padlock of IOE entrance, but the rank I secured was quite surprising. I worked extremely hard, and now I think that my diligence has paid off eventually.

As per your experience, how should we study to achieve the stratospheric niche in the entrance?

There is no alternative to hard work. If you work hard, it pays you off. So, the most important thing is that you need to give your 100% in whatever you are studying. You need to enjoy whatever you are learning and always should be tending to expand your horizon of knowledge.

How would you like to acknowledge the contributions of PEA for helping you reach the apex level of success?

PEA has been very helpful for my success. It would have been extremely difficult to get this position without the help and support from PEA. The lessons and the tests were really useful. The environment of the institution was conducive to learning. The study materials were genuinely facilitative. The teachers were supportive and inspiring. My PEA experience was incredible, and I would like to thank the PEA team from my inner heart.

PEA also helped to shape my knowledge to right path.

How are you planning to serve your nation in the future after being an engineer?

Engineering is central to the well-being and economic development of every nation. Creative and dynamic, it evolves continuously to meet the needs of human civilization. Engineering is pervasive in our modern society. So, I want to use my knowledge and experience that I gain during my engineering career for

How are you planning to serve your nation in future after being an engineer?

I believe that one should have the knowledge about various factors before beginning any project or before initiating any endeavor of their own. I would like to garner experience from the outer world in the beginning. After that, I would become a better engineer. I would use that knowledge to make my country a better place. I am planning to study Computer Engineering which is the fastest growing sector in this ultra modernized world. I would try to use every bit of knowledge I have acquired in those years for the prosperity of my country. I would like to reach the people of the grass-root level and help them uplift themselves from their current situation by the means I possess.

How would you like to suggest students who are trying their best to conquer the examination of IOE?

I repeat that there is no alternative to diligence and perseverance. If you work hard, it will surely pay you off. Make sure you avoid laziness. I know that one can never be enthusiastic every moment, but you should try to avoid "not learning". Just be curious about your subject matter. You should try not to avoid details. Everyone can see the bigger picture, but the one who is able to see the details, is the one who ultimately succeeds.

the betterment of my country in every possible form and I plan to make other people capable too.

How would you like to suggest students who are trying their best to conquer the examination of IOE?

I suggest the students should be familiar with the main theme or concepts of the subject matters and have adequate skills to apply those concepts when needed and the foremost thing of all is to have belief in yourself that you can achieve anything and you are not less than anyone.

Prajjwal Devkota

IOE Entrance 4th Topper of 2018

and are adored for their knowledge in the respective areas of their subjects. The weekly mock tests at PEA foster confidence in students and help them inculcate their rigorous practice for the test.

In the academic year 2075/76, the IOE has witnessed 97 top students from PEA out of top 100, which is a great achievement of the institution. Atul Kumar Karn, who has topped the list in the IOE entrance examinations, is a plus two graduate of Orient International College, Kathmandu. He is very grateful to PEA for his marvelous achievement. Nikesh DC, Udeshya Dhungana and Prajjwal Devkota have successfully secured 2nd, 3rd and 4th ranks respectively. Nikesh DC completed his plus two from St. Xavier; Udeshya Dhungana from Arniko Boarding Secondary School, Biratnagar and Prajjwal Devkota from KMC, Kathmandu. All of them chose PEA as the best preparation institution for IOE entrance examinations.

PEA honored top 100 students who showed outstanding performances in the IOE entrance examinations-2075 at a special program in its own premises. It gave away laptops to top three students as appreciation of their perseverance and rigor. The test toppers were also awarded lap-tops by the respective colleges. PEA conducted a mock test in ten engineering colleges and the toppers were provided by the respective colleges. Aayush Lamichhane topped the test exam of Himalaya College of Engineering. Similarly, Sitarma Karki obtained the highest marks in the test exam of Advanced College of Engineering and Management. Udeshya Dhungana secured the first position in the test exam of Nepal College of Information Technology and Cosmos College of Management & Technology. Similarly, Atul Kumar Karn, Albin Poudel, Janak Sharma, Sameer Paudel, Ram Kumar Adhikari, Ganesh Dhungana and Anzel Sapkota topped the test exam taken by Kathmandu Engineering College, Kathford International Engineering College, Kantipur Engineering College, National College of Engineering, Everest Engineering College, Acme Engineering College and Kantipur City College respectively.

According to the outstanding performance of 100 students in IOE entrance examinations, St. Xavier College has been able to make 18 students pass in the exam, which has

How are you planning to serve your nation in future after being an engineer?

Being a developing nation, my nation requires a group of energetic, innovative and skilled manpower. So, I would like to be one of them; also all of us can feel that the earthquake shattered our nation and now she needs all help that we can make so I have decided that I will help her being an engineer.

Poor infrastructure, corruption and many other political issues make the rapid development of our nation look difficult. So I would like to be an engineer who is capable of bringing a major breakthrough in the development of Nepal. I am confident that I will work for my country without any prejudices and that would be the greatest help that I can make to my country.

How would you like to acknowledge the contributions of PEA for helping you reach the apex level of success?

Nothing is possible without the diligence of the student himself but a good student may be in dilemma regarding many things: management of time, tricks and skills to face the MCQs, timely encouragement may be some of the things that may create some disturbances on a student's mind. Solving all these problems, PEA plays a role of mediator between me and the examination. Excellent teaching faculties and a highly motivating environment boosted me to reach the acme. So I would also like to take this moment as an opportunity to thank PEA for the help and suggestion I received from PEA. I consider the help made by PEA is very precious and thank all the teachers who always inspired me to do the best.

How would you like to suggest

maintained the first position rank. Then, Kathmandu Model Secondary School, popularly known as KMC, secured its second position by making 14 students succeed in the entrance exam. Trinity International College has been able to grab the third position by making



Prajjwal Devkota passed SLC with 3.75 GPA from Janata Model Secondary School, Palpa, plus two science with 3.75 GPA from Kathmandu Model Secondary School (KMC), Kathmandu and grabbed 4th position at IOE Entrance Examinations, securing 121.3 marks out of 140. He is intending to pursue computer engineering course.

students who are desperate to conquer the examination of IOE?

In my perspectives, appearing in the entrance examinations is one of the challenging things that a student meets in his way of career making. So, obviously it is filled with a lot of tough competitors. So you need dedication and hard work to stand out from the crowd. Conceptual study from the very beginning of grade 11 and hard work is must for the success. I recommend my brothers and sisters to be innovative rather than focusing on the good marks in the internal examinations.

six students succeed in the entrance exam. Likewise, SOS Pokhara secured its fourth position being successful to make 4 students pass the entrance exam whereas The Times International College and Uniglobe College maintained its fifth positions in which

SPECIAL REPORT

they have been successful to make three students conquered the examination. Moreover, Radiant Secondary School, Mahendranagar and Gandaki Boarding Secondary School secured the seventh position. They have been successful in having two students succeed in the same examination.

At the winner facilitation program, Assistant Dean of IOE— Nagendra Bahadur Adhikari (Chief Guest of the program) congratulated the victors and expressed his gratitude to PEA for preparing such mavers. He added that 1.5 million children were born in between 2052 to 2056 and only 6300 students could compete in IOE entrance examination, which is supposed to be outstanding. His experience shows that the entrance toppers could not get success in life without rigor and perseverance whilst pursuing

engineering education. He further said some of them reached NASA too. He suggested students to utilize their time and freedom in studies for a phenomenal achievement. Ramesh Kumar Silwal, Special Guest of the felicitation program, congratulated entire team of PEA on being successful in imparting quality engineering entrance preparation classes; as a result, PEA always stood as number one institution for making students succeed in the entrance examination. HISSAN President Ramesh Silwal, the Chairman of Advanced College of Engineering and Management and CEO of GoldenGate International College said, "Engineers are creators like blacksmith, who have the responsibility of society and nation to escalate. Mere appellation of Engineers is futile unless they contribute to the nation". He added, "Nepali engineers have astonishingly built the biggest building in Hongkong

and other cities of the world. The engineer who designed the New York City in the beginning was complained a lot, but after 100 years, he was admired as a far-sighted designer. Moreover, he also said Nepali art has been honored since the maestro Araniko astonished the world with his exceptional artistic prowess and Nepali engineers first taught electro plating in Japan.

The program was chaired by Prof. Dr. SK Mishra who is the Chairman of PEA. He said Pulchowk Engineering Campus is the best destination for engineering education. He further added that the students should work more diligently after getting admission in BE. Sanat Giri, Principal at PEA delivered a welcome speech whereas the program was conducted by associate professor, Dr. Vinod Prajuli, who is the chairman of Himalayan WhiteHouse International College.

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Flagship of Engineering Studies: Academic Gold Standard



What answer do you expect when you ask your children about their higher studies and aims? You will surely find a facile answer from them that they want to be either an engineer or a doctor, which consummately meets your expectation. This ubiquitous mindset indicates that engineering education has been given higher priorities in Nepal. However, in a developing country like Nepal, the country needs a large number of engineers for its infrastructural development. But the number of ingenious human resources from Nepal is disappearing in various intervals of time.

Engineering degree has become a highly adorable academic course in Nepalese society since the very beginning. No doubt, engineering colleges in Nepal are producing efficient and qualified engineers every year. Although Kathmandu valley boasts of having some recognized and well-established

colleges, the colleges outside the valley have been working excellently in imparting quality engineering education. The engineering has a wide scope and is widely respected. The construction and development work is possible only through adroit engineers. In a developing country, it has a high scope. Now Nepal is in the process of political stability, but has to do a lot of tremendous work for economic prosperity. Therefore, in the recent time, engineering or technical education is more demanded. The government has also given priority to technical education. These are the main reasons that more and more students prefer joining the engineering courses. Engineering is gaining more popularity with the increase in colleges and institutions that impart an array of engineering courses in Nepal and their efforts are worth commendable.

Development is possible when the courses such as civil infrastructure, industry, hydropower, electronics, IT,

etc. are imparted to the pupils keep the spirit of country's development at the apex level. Indeed, the universities and colleges in Nepal offer such courses in the varied subject areas. However, Nepal cannot go ahead in developmental work because of political instability. Ramesh Kumar Silwal, President of HISSAN and Chairman at Advanced Engineering College claims that Nepal will need more engineers for developmental work in future; as a result, our engineers will not be enough, so we will be compelled to recruit myriads engineers from foreign lands.

We have an enormous scope of engineering in Nepal regardless of threats. An excellent plus two graduate, who may serve the country as an engineer in the future, has been a victim of brain-drain in US, UK, Australia, Europe and so on. We have witnessed that a victim of brain-drain hardly returns back to serve the country as a skilled engineer who has great responsibilities to reshape the infrastructure of the country.

Some of low-graded Indian universities and engineering colleges manipulate Nepalese students showing subsidized fees and other facilities; as a result, they manage to seduce them to get enrollments in Indian universities. Their fabricated promises eventually turn out to be specious resulting in dismal situations where those naïve students have to suffer perennially. 'Mostly, Indian college representatives troll in Nepali swathes before the plus two results and take admissions, but the Nepal government is speechless against their illicit conducts', says AECoN (Association of Engineering Colleges Nepal) chairperson. He adds, "We have raised our voices against the misconducts of those university authorities several times, but they have been neglected and overlooked by the Nepal government."

In Nepal, a variety of engineering courses are offered by domestic universities and colleges. There are a total of 51 engineering institutions in Nepal that are affiliated to six domestic universities. The total students' intake capacity of the entire colleges is about 8592 in fifteen different engineering programs. Out of 51 institutions, 32 institutions are in the Kathmandu valley whereas 19 colleges are beyond it.

The Institute of Engineering of Tribhuvan University is the country's oldest engineering school. It has four colleges, and 13 private engineering colleges are affiliated to it. The IOE's central campus is Pulchowk Campus, considered the best engineering college in Nepal. Pulchowk offers bachelor, master and Ph.D. degrees in engineering. More than 16,000 students from around the world take the school's entrance examination.

IOE—Institute of Engineering (Pulchowk Engineering Campus), a constituent campus of Tribhuvan University, is the oldest and largest campus in Nepal, which offers an array of engineering programs. It runs six bachelor programs in the arena of engineering. It has four constituent engineering colleges: Pulchowk Engineering Campus in Lalitpur, Western Regional Campus in Pokhara, Thapathali Campus in Kathmandu, and Eastern Regional Campus in Dharan. Ten private engineering colleges, affiliated to TU, are Advanced College of Engineering & Management, Kantipur Engineering College, Kathmandu Engineering College, Himalaya Engineering College, National College of Engineering, Kathford Int'l College of Engineering & Management, Janakpur Engineering College, Khwopa Engineering College, Sagarmatha Engineering College and Lalitpur Engineering College. According to Nepal Engineering Council, among TU affiliate engineering colleges, Kathmandu Engineering College is the largest engineering college that offers five BE

programs for a total of 440 seats. All the constituent campuses have 1872 seats for BE engineering enrolments whereas private TU affiliated colleges have the capacity of taking 2304 enrolments in BE.

Pokhara University is the largest university in terms of BE programs since it runs nine engineering programs, and the second largest university with regard to its intakes in BE i.e. 2976. Pokhara University School of Engineering, Lekhnath, Pokhara has been running programs in BE Civil and BE Electrical and Electronics. Moreover, Pokhara University has 13 affiliated private engineering colleges—Nepal Engineering College, Changunarayan, Bhaktapur; Oxford College of Engineering & Management, Gaiindakot, Nawalparasi; Nepal College of Information Technology, Balkumari, Lalitpur; Everest Engineering College, Buddhanagar, Kathmandu; Cosmos College of Engineering & Management, Satdobato, Lalitpur; Lumbini Engineering College, Bhalbari, Rupandehi; Pokhara Engineering College, Phirke, Pokhara; Gandaki Engineering College, Lamachaur, Pokhara; United Technical College; Universal College of Science & Technology, Lalitpur; NAST, Dhangadhi; Rapti Engineering College, Ghorahi, Dang and College of Engineering, Nepalgunj, Banke.

Nepal Engineering College (NEC) in Changunarayan is the country's first private engineering college to offer engineering courses from bachelor's to Master's level. It is the largest engineering college which has the capacity of 576 enrollments.

Purbanchal University has one constituent engineering college that has been running BE Computer, BE Electronics and Communication and BE Architecture. It has fifteen affiliated engineering colleges: Khwopa Engineering College, Bhaktapur; ACME Engineering College, Sitapaila, Kathmandu; Kantipur City College, Kathmandu; Himalayan WhiteHouse International College, Khumaltar, Lalitpur; CIT College, Tinkune, Kathmandu; Himalayan Institute of Science & Technology, New Baneshwor, Kathmandu; Aryan School of Engineering, Mid Baneshwor, Kathmandu; Eastern Engineering

College, Biratnagar; Hillside Engineering College, Koteshwor, Kathmandu; Morgan Engineering College, Basundhara, Kathmandu; Central College of Engineering, Janakpur, College of Biomedical Engineering and Applied Science, Kathmandu, Nepal Polytechnic Institute, Bharatpur, Chitwan, Kantipur International College, Labhu, Lalitpur and Geomatics Institute of Technology, Kathmandu. Among PU affiliated colleges, ACME is the largest engineering college for intake capacity i.e. 344. The constituent campus has 120 seats for BE engineering enrolments whereas private PU affiliated colleges have the capacity of taking 2176 enrolments in BE.

Kathmandu University offers B.E. in Mechanical Engineering, B.E. in Electrical & Electronics, B.E. in Environmental Engineering, B.E. in Computer Engineering, B.E. in Geometrics Engineering, B.E. in Chemical Engineering, and B.Tech in Environmental Engineering. It has 425 seats in total.

Mid-Western University offers B.E. Civil (48 seats), BE Electrical and Communication (48 seats) and B.E. Computer (48 seats) whereas Far-Western University runs B.E. Civil (48 seats).

As far as students' intake capacity is concerned, there are Civil, Electronics & Communication, Computer, Electrical, Architecture, Electrical & Electronics, Information Technology, Mechanical, Software, Geometrics, Biomedical, Civil and Rural, Industrial, Environmental, Agriculture, Automobile and Aerospace (17 programs) are available in Nepal. Civil Engineering is the most preferred and demanded discipline amongst all. It has the highest scope not only in Nepal but across the globe. But in real sense of developing a nation, Electrical and Electronics engineering are most essential for hydropower and other alternative sources of energy development, energy management, etc. IT or Computer or Software Engineering is equally important and more demanded as it is for the automaton of individual personal record keeping to the nation's public service and e-governance. IT officers are highly demandable

University	No. of Colleges	No. of Intakes	No. of Programs
Tribhuvan University	14	4176	11
Pokhara University	14	2976	9
Purbanchal University	18	2296	6
Kathmandu University	2	425	8
Far Western University	1	48	1
Mid-Western University	1	144	3
Not affiliated any university	3	360	3

COVER STORY

nowadays. As government has made the policy of appointing an IT engineer in every municipality and rural municipality, we will need more IT engineers in the future. If industrialization gets better in Nepal, then there would be the higher demand of computer and electronic engineers, too. Similarly, nowadays, every design work is given to the architectures, but civil engineers. So, the scope of engineering is increasing globally with the pace of time.

There are many other specializations in Engineering that are not much popular in Nepal. Some of them are: Biotech Engineering, Aeronautical Engineering, Geomatics Engineering, Geological Engineering, Environmental Engineering, Automobile Engineering and Agricultural Engineering.

Engineering is a dynamic field with lots of specializations. Engineering holds a bright and exciting future for career hopefuls in Nepal and abroad. One can make his/her career in governmental projects, private or public sector industries, construction companies and in many other fields.

Currently, Engineering is taught only in English in all engineering colleges of Nepal. There is no any provision to study engineering in Nepali language and it does not seem that this will happen soon in the future as well. So, students wishing

to study engineering in Nepal must be prepared for this and should have a good understanding of English language. The Bachelor in Architecture courses takes five years to complete, and other bachelor-degree courses take four years.

Parents are still in dilemma concerning their pursuit of a suitable engineering college in Nepal and abroad. Engineering courses require a range of fee structures ranging from 4,00,000 to 16,00,000 in Nepal and a foreign campus may charge up to 40,00,000. Many eye-catching advertisements in paper and electronic media have created confusions to decide on the best college for the engineering course. Many educational agents (educational consultancies) in Nepal are agglomerating day and night into one in order to manipulate and send students to Indian universities. Moreover, such agents try to persuade students describing bogus rewarding aspects of studying engineering in a developed country. They speciously guarantee that studying in advanced countries bring far more opportunities to students than studying such course in Nepal.

Because of political instability, maelstrom and commotion, a large number of students try to experiment their fortune in foreign lands. As a result, the country is suffering a huge loss of brain-drain. However, there are myriads students who still feel that they can secure an award-

Program-wise Intake Capacity

Program	No. of Seat
Civil	4104
Electronics & Communication	1664
Computer	2052
Electrical	540
Architecture	514
Electrical & Electronics	300
Information Technology	192
Mechanical	360
Software	144
Geometrics	118
Biomedical	60
Civil & Rural	48
Industrial	48
Environmental	35
Agriculture	24
Automobile	96
Aerospace	48

winning career upon completing the engineering course in Nepal. If students are interested in studying engineering courses in Nepal, they should acquire factual details of the institution they are

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going to study in.

In Nepal, about eight thousand students study engineering courses, which is the available number of seats. Moreover, for the same course, around six to eight thousand students go to Indian universities and other universities across the globe. If we do not become sanguine enough to envisage the blatant future

of the country because of an exodus of a large number of Nepalese students in foreign lands, we are sure to succumb to the crisis of adroit human resources that have a great role to develop the nation. Moreover, neither the government and university nor the concerned authorities have pondered this abysmal fate of Nepal which is drooping over its economical development. On one hand,

the underpinning factor of the country, youths, are becoming expats in foreign lands; on the other hand, millions of Nepali currency has slipped from our hands. Therefore, we have to join our hands to promote Nepali education and harness the unauthorized intruders that are emasculating the spark of award-winning education that can be attained in Nepali swathes.

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IOE

A Center for Plethoras of Academic Avenues

There are currently six universities (Tribhuvan University, Kathmandu University, Pokhara University, Purbanchal University, Mid-Western University and Far-Western University) offering engineering education in Nepal. The Tribhuvan University, Institute of Engineering (IOE) is the oldest and renowned national university of Nepal started its engineering education in 1972 that offers more than 10 programs. The total intake capacity of IOE is 3840. Similarly, other universities of Nepal offer different engineering courses. Every year almost more than 8000 students embrace opportunities to pursue an array of engineering courses in Nepal.

Prof. Dr. Tri-Ratna Bajracharya is a Professor at Department of Mechanical Engineering at Pulchowk Campus and currently the Dean of Institute of Engineering, Tribhuvana University. Professor Bajracharya shared his view with College Readers about the current scenario of engineering education and how IOE goes ahead. Excerpts:



What policy related problems have you witnessed? What's your vision for solution?

For TU and IOE we are clear, and we are refining the policies as per requirements. But we want government policy in the engineering education same as the government is proceeding with medical education act. Being a government owned institution it is obvious that we are bound by certain norms but full autonomy of IOE within the framework of TU is required. We understand that we are achieving academic excellence, but we still lack to complete tasks in time due to centralized decision-making nature of TU. Similarly, there is discrepancy in the intake of engineering education; for instance, in order to study engineering at IOE, 200 marks mathematics subject is compulsory in plus two education. But there are other universities in Nepal that are taking bio students only having 100 marks mathematics in +2, which creates bigger quality issues and problem of equivalency in the engineering education.

Could you state the contributions of Pulchowk Campus including all the constituent as well as TU affiliated colleges in the field of engineering?

The Institute of engineering (IOE) is one of the best institutes of Tribhuvan University and it is the biggest engineering institution in Nepal. This institute has Bachelor of Engineering, Master of Science in Engineering and Ph.D. programs. This institute has more than 16,000 bachelor's students, more than 900 master's students and consequently increasing number of Ph.D. candidates. IOE has four constituent campuses located in the eastern, central and western regions of Nepal including central campus in Pulchowk, Lalitpur. The Bachelor of Engineering program is a four-year program except architecture which requires five years for graduation. Both the bachelor and master's programs are designed in semester system as per international standards. There are in total 10 streams in Bachelor of Engineering programs. Other streams in Bachelor of Engineering like Biomedical, Chemical and Aeronautical Engineering are under pipeline to be launched soon. Similarly, the Institute offers master's programs in 27 different subjects in its 4 constituent campuses as specialized research courses. Our graduates are not only in the top-most different positions in Nepal but also have exposed their skills in international institutions. Every capable citizen can admit the institute on a free fall competition basis. Pulchowk campus is one of our renowned central campuses that covers an area of 300 ropanis of land and is fully equipped with laboratories, sports ground, class rooms. More importantly, we have professional and highly research-oriented faculties. Every student has his/her first choice to study at Pulchowk Campus. The employing industries/companies always want to have first choice of Pulchowk Campus graduates. We produce not only the professional engineers but also our graduates have leadership skills.

In what extent is Tribhuvan University different from other universities in terms of engineering courses offered and quality?

It is well known that the students' entrance examination and final examination systems of the IOE has been recognized as one of the best students' evaluation systems not only in Nepal but also in regional level. Another important is academic calendar is well-maintained. We maintain semesters class days of at least 90 days as per international standards. We conduct exams in time and publish results according to the calendar. We are in the process of automation, like we started automation from the entrance examination system. Similarly, we are running phase-wise projects to automate the semester exam system. Exam form registration system is fully online based. Other different systems like result processing system, expert management system are already automated. We review the syllabuses every four to eight years which at most two cycles of studies. New and innovative courses which are emerging in the international arena can be immediately incorporated into our syllabus via elective system. We maintained fully automated and centralized admission system first time endorsed in 2073. We harmonized the admission system in fully merit-based

at our constituent campuses and affiliated colleges. We have an MoU with more than fifty international universities for the purpose to exchange faculties and students. Similarly, we have highly research-oriented professors and intellectual faculties so that we can handle not only the national projects but also the international research projects like European Union projects.

Which programs of engineering courses are most demanded at the present context?

Looking into the last three/four year's records, there is a bit more demand we can see of computer engineering and civil engineering. But almost all offered programs and seats are fulfilled. We can also see some demand on electronics and communication engineering. But considering the student demands of computer science and information engineering we have modified the course of electronics and communication engineering into the name of electronics and information engineering. This program is offered from this year. Similarly, we have offered aeronautical engineering from this year as well. Most probably we will offer chemical engineering, biomedical engineering and other demanding programs soon.

Could you elaborate scholarship schemes at constituent colleges and affiliated colleges?

We have two categories of students in constituent campuses. They are regular students and full-paying students. Regular students are the ones who receive full scholarship something like it is a government scholarship. They do pay nominal fee for their whole period of study in the 4 years and 5 years programs in BE and 2 years programs of master degree. Ten percent of seats are reserved for female students in every program. Similarly, 20% seats of every program are reserved as reserved quota for dalit, janjatis, madhes and backward societies. Rest is provided on a fully merit basis. In affiliated colleges, 10% seats on each program are provided as regular scholarship same like regular student in constituent campuses. Interested and outstanding students are offered government scholarship as offered by the ministry of education to go abroad like India, China and other countries.

Could you give a tentative ratio of fee structure of the engineering programs?

In the constituent campuses, our regular students pay nominal fee while the full fee-paying students must pay two lakhs and thirty-six thousand for whole four periods of time. This fee structure was set in 2056. It has not yet been reviewed and so it looks like our full-paying students also have got the scholarship as compared with the private colleges and other university students. However, it is not official since we have heard that the fee structure of paying students in private colleges varies from 6 lakhs to 9/10 lakhs according to the priority of programs that students are interested in.

The world is witnessing exciting scientific marvels, which are directly related to the academic endeavors of intelligent people. What is your principal role while updating university syllabuses?

As I already mentioned that we do review the syllabuses in period of one to two academic cycles. We have reviewed our syllabuses in 2067. Now we are in the process of reviewing syllabus again for the next cycle. Syllabus update is a regular process. However, we can easily endorse the new and innovative courses via elective every semester any time. It depends on the national/international demands and availability of experts.

What immediate changes did you bring after your appointment as the Dean?

As I mentioned before, engineering education cannot go further without having research and development work. Engineering Education plus R & D is a method for a knowledge based and innovation driven economy. Moreover, the technology is changing very rapidly. Therefore, we have given our focus to tie-up our education with research work. To achieve such a difficult goal, we have expanded our horizon not only in regional level

COVER STORY

but also in global level. Particularly, we have made collaboration with almost all esteemed universities of the world. As a result, we are having international research work within the IOE. Another achievement I believe is we managed to change our campuses from college environment to research institutions.

We have expanded our academic programs in our all four constituent campuses. Each campus runs not less than six bachelor programs. At the same time, we have expanded our master specialized courses. Each campus is now post graduate campus. The Pulchowk Campus alone runs 22 masters in different subjects.

We took approaches apparent by determination, incremental change in academic and administrative, adopting norms and standards, running every new step with guidelines and wide stakeholder inclusion.

Our mission is quality engineering education and research in the frontier engineering areas relevant primarily to the nation. At the same time, we also have investigated global market. So, we have made collaboration with international job recruiting companies so that our graduates have opportunities to work in international level.

We faced a dire crisis of faculty before. After more than 10 years we got permanent faculties and promoted faculties at our institutes. One of the burning issues in campuses was the academic upliftment of faculties through promotion as a large number of faculties were in temporary position and lack of seats of teaching staff. All those problems have been solved in 2-3 years back.

Our pride is our examination system. We have been continuously putting our efforts to make it perfect. We have successfully implemented fully computerized entrance examination system. Similarly, we have successfully implemented fully merit-based and online based centralized admission control and management system for all constituent campuses and affiliated colleges. You can see students and their merit scores uploaded online from online web system. We can implement online based semester exam application form submission, processing, exam centers management and admit card generation as a part of examination system automation. Others automated systems are under development. We increased international collaborations amid foreign universities and collaboration with industries.

From this year we are offering aeronautical engineering in bachelor programs. Similarly, since last year we have offered new masters programs in hydro power engineering, applied mathematics, mechanical system design and engineering, engineering design and manufacturing. From this year we have offered post-doctoral programs at Pulchowk Campus.

Basically, we are reforming the Institute of Engineering in following ways:

1. Reform at Academic Level:
 - Expansion of academic programs
 - Setting up guidelines, norms and standards
 - Updating curricula
 - Quality Assurance and Accreditation
2. Reform at Administrative Level:
 - Internal resource generation and distribution
 - Infrastructure development, transformation and establishment of new campuses

What are your future plans to make engineering education more rewarding?

I would like to mention that IOE embarked on a series of reforms, with far-reaching implications not only for itself but also for Nepal's entire engineering and other education systems. IOE today is widely observed as a

model and leader for higher education reform, even attracting interest from many renowned universities and academic institutions of the whole world. In this endeavor, we took approaches apparent by determination, incremental change in teaching and administration, adopting norms and standards, running every new step with guidelines and wide stakeholder inclusion. Our future is to make IOE highly research-oriented and prestigious institute so that we can conduct research on our requirement locally.

Furthermore, an increasing international collaboration and attracting foreign students at our institute is also our motto. Particularly, the way forward to short term procedures are as follows:

1. Curriculum revision every five-year cycles
2. Entrepreneurship skills development –introducing internship in bachelor level
3. Establishment of the process to produce better links to innovation and enterprise.
4. Establishment of a strong, clear link between research and postgrad education
5. Perusal of investment in higher education and research work.

What message would you like to convey to readers at last?

Engineering education in Nepal is very good. There is a wealth of opportunities in engineering sectors. The IOE is becoming more and more responsive to the ever-changing needs of the students and the engineering profession. At IOE, students are encouraged to acquire not only formal qualifications acclaimed in the society but also creative engagement in research, the pursuit of ideas and the satisfaction that comes from applying knowledge. I welcome all potential students to become part of IOE.

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Nepal Engineering College

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Ph.: 01-52221006

nec CPS

Prayag Pokhari, Lagankhel, Lalitpur

Ph.: 01-5530158

St. Xavier Academy

New Baneshwor (Next to Bank of Kathmandu)

Ph.: 01-4462146

Bright Education Academy

Thapathali (Opposite to Rastriya Banjiya Bank)

Ph.: 01-4240213

nec- BDH

Mahalaxmasthan, Lalitpur

Ph.: 01-5548585

Siya International Education Foundation

Putalisadak, Kathmandu (Besides NAME)

01-4266230

ONLINE FORM SUBMISSION TILL 2075/04/25 5:00 PM

20 % SEATS ARE RESERVED FOR FEMALE CANDIDATES

Entrance Test on: **2075/04/26** Venue: **Nepal Engineering College**

Time: **10.00 AM to 12.00 Noon**

Changunarayan-4, Bhaktapur



ENGINEERING EDUCATION

is seminal; it supercharges pre-requisites
of nation building



RAMESH KUMAR SILWAL

Chairman

Advanced College of Engineering and
Management

Could you please give a brief account of engineering education in Nepal?

Engineering education came into existence very late in Nepal as a separate wing of education. After the political change of 2007 BS, technical and vocational education started crawling from its inchoate stage. Subsequently, in 2035/36, engineering education emerged as a necessary academic discipline in Nepal. It flourished only after 2046 BS. At present, there are around 38 engineering colleges in Nepal in association with different universities that have a capacity of enrolling around 8000 students in one intake. Some renowned universities in Nepal such as Tribhuvan University, Kathmandu University, Purbanchal University and Pokhara University have given affiliation to a wider number of colleges for engineering courses. However, the engineering education made a giant leap vis-à-vis accretion in numbers of students rather than quality assurance. So, even today there is an urgent need of quality enhancement in engineering education in order to transform Nepal into an autonomous country for engineering programs.

It is rumored that there is a crisis of quality retention in engineering education in Nepal despite its importance in nation building. In your view, what role should the colleges and universities play for enhancing the quality of engineering education in Nepal?

Quality engineering education plays a pivotal role in the overall development of the country. But, it is true that around 30% of students are still unable to become engineers. Till date, we have succeeded in producing only 70% of engineers out of their total enrollees. Secondly, we have not been able to dispatch a good number of engineers due to political interferences in most colleges. This could be true the students are convoluted in unnecessary political affairs instead of concentrating on their studies. Strikes and political maelstroms are creating obstructions in the smooth running of classes. Similarly, there is a problem in examination system as well. The regular and the back paper exams are held at the same time, which hinders students to give outstanding upshots. In this regard, for quality enhancement in engineering education, the University and colleges should gainsay political interferences in the academic arena. The University should hold exams in different intervals of time for regular and backlog exams. Similarly, a high priority should be given to the practical fields by making the provision of internship in the curricula. Truly speaking, calendar schedule should strictly be followed by the colleges and universities. Moreover, the colleges

also should provide sufficient place to their students for implementing their empirical knowledge. For this purpose, the colleges should run any companies and industries related to their curricula. Needless to say, the government should also bring the policy of accolade and punishment to engineers and consulting companies against their misconduct in order to ensure quality in education.

Since the engineering courses in Nepal do not incorporate internship privileges for the learners, how far it is essential in your view?

It is absolutely necessary. For the quality enhancement of engineering education, practical implementation of knowledge is a must. So, internship is absolutely needed. In addition, unless the system of internship is not included in the curriculum, quality enhancement in engineering education is not possible.

Which are the most demanding courses of engineering in Nepal besides civil engineering?

In my perspectives, all the engineering courses are equally important in their respective sector. Civil engineering is necessary for the infrastructural development. Similarly, computer engineering, mechanical engineering is also indispensable part of a developed nation. So, we can infer that the importance is evaluated on the basis of demand and supply ratio.

What distinguished features do we find in Advanced College of Engineering and Management in comparison to other colleges?

There are common principles of formal courses in all engineering colleges. But our colleges have some unique features which distinguish them from others. We organize seminars, workshops, guest lectures, fieldwork, training and internship for our students to enhance their capability, practical skills and certitude which are rare in other colleges. In this sense, we are different from other institutions.

What message do you want to convey to the +2 graduates who are in pursuit of a career in engineering?

First of all, I suggest them they choose the field of their interest. If they have will power to become an engineer I welcome them to our college. I assure them that we provide quality education in an appropriate environment. Similarly, I suggest them they should not go to foreign lands only for the bachelor course in engineering. Nepalese engineering colleges are able to impart quality education.

Advanced College of Engineering and Management, established in

2000AD, is a leading private engineering college in Nepal which is accredited by Tribhuvan University. It has been a center of excellence for engineering education with its core values of self esteem, accountability and harmony. It is indebted to its students, parents, industry, technical and administrative staffs, teaching faculties and all well-wishers for their altruistic effort for its phenomenal academic escalation.

For the period of 18 years, ACEM has been continuously retaining co-operation and mutual respect in our national diversity by providing a value-based education. It has been running BE Computer, BE Civil, BE Electrical and BE Electronics & Information.

The graduates of this college have been showing their outstanding performance in both job landing sectors and higher studies. Many students who complete their graduation from here can easily acquire scholarship privileges for higher studies in the country and beyond. This could be true many of them have become professors in renowned universities in Canada, USA, and Australia and so on. Similarly, many of our graduating students have embraced their careers as consultants, entrepreneurs, and researchers.

GENERAL EDUCATION is appealing; engineering education is rewarding



ER. RAMESHWAR RIJAL

President

Association of Engineering Colleges Nepal

Could you please give the present status of AECON?

It is an umbrella organization of private engineering colleges of Nepal. All the private engineering colleges affiliated to any Nepalese university can be a member of this organization.

Could you specify the contributions of private engineering colleges to the field of technical education in Nepal?

Enhancement of technical education is the urgent need of Nepal. Engineering education is also one of the important parts of technical education. Without developing engineering education we cannot even imagine the development of Nepal. In the Nepalese context, very few engineering colleges have been established from the side of the government. Due to this reason, most of the students were going to a foreign country in search of a quality engineering college. In this crucial situation, private engineering college is contributing a lot in imparting quality education inside the country at reasonable fee structure. According to current data, there are around 40000 to 45000 engineers registered in the Engineering Council. Among them, more than 50% engineers, who are contributing for development of nation, are produced by the private engineering colleges in Nepal.

What are the possible solutions to the problems related to Nepalese youths going to foreign lands for higher studies of engineering due to quality emasculation of Nepalese institutions, which seems to be a fashionable trend in Nepal now?

In most cases, Nepali students go to India and other countries for engineering education due to their cheap and attractive slogan and advertisement. Another reason, Nepali parents contemplate that they can earn high prestige in society while sending their children to a foreign land. This is due to the increasing trend of youths going to foreign countries for further studies. In fact, Nepalese colleges are capable enough to impart quality engineering education of global standard, so, awareness should be created among the parents that Nepali engineering colleges can contribute immensely to the award-winning careers of their pupils in the country.

It is believed that it is easy to enter the engineering program but difficult to conquer it whereas medical education has a reversal effect, which incorporates an arduous entry but a facile way to attain a qualification. In such a case, what would be an effective measure to abate the dropout ratio in the engineering program?

I think entry is also not easy in engineering education as it has been rumored in the market. For an enrolment in engineering education, 45% marks is compulsory in major subjects encompassing mathematics and science. Similarly, the engineering hopefuls should face an arduous entrance examination in governmental as well as private engineering colleges. Pulchowk Engineering College independently witnesses as many as 12000-13000 students appear in the entrance examination in which around 5000-6000 students pass this level. This datum shows that it is not easy even to enter the engineering course. So, in order to reduce the dropout rate in engineering education students should be well-prepared to face any unprecedented ramifications. They should possess basic knowledge in +2 level and should have well-prepared for the entrance examination. Moreover, they should be creative and driven by learning passion to qualify this level.

Which engineering course is most demanding in the present context of Nepal?

All the engineering courses are equally important in their own field, but in the context of present Nepal, civil engineering course is most demanding.

Is it necessary to facilitate students with internship privileges as it is alleged that engineering program does not ensure any internship provisions for its learners?

It is necessary, indeed. Only when the theoretical knowledge is applied in the field practically, one can become a real engineer. So, the provision of internship should be included in the syllabus by the university so that it would be compulsion for all colleges and the students.

In what ways Kantipur College is different from other colleges?

We have full time faculty members, modern buildings with spacious classrooms, peaceful environment and away from the maddening crowd of the city. Similarly, we have allocated a budget for research and training programs that facilitates our faculty members and students with escalation of exceptional learning.

What message do you want to convey to the +2 graduates who want to enroll in engineering program?

I suggest that students should choose the subject according to their aptitude. Similarly, they should choose the college according to the spending capacity of the parents. If one wants to become an engineer by heart, I request them to visit Kantipur College. We are here to provide quality education.

KEC

– Kantipur Engineering College, under the affiliation of Tribhuvan University, has been imparting engineering education since 1998 with the objective to produce qualified and proficient engineers capable of facing the engineering challenges of this modern era, where science and technology remains dominant over every learning field of human beings. At present, KEC is one of the top-notch colleges in Nepal having its own ultra-modern physical infrastructure. It has dispatched 36 batches of engineers so far in the field of Civil, Computer and Electronics & Information Engineering as of today, whose excellent performances astonish the world. Many of them are achieving scholarships in higher studies in various national and international universities. Many of them have are currently working as professors and researchers at various universities in Australia, Canada, and USA.

Our hard-earned legacy of engineering paves the way for myriads opportunities



Prof. Er. Hirendra Man Pradhan
Chairperson
Kathmandu Engineering College

How do you analyze the contributions of engineering education to nation building at present?

Engineering education is the underpinning pillar of development and enhancement of the country. It is very essential in all fields such as construction, maintenance, renovation, communication, transportation and so on. Its scope is escalating day by day in the country after the political restructure. The demand of engineers is increasing from the local level to the national level inside the country as well as there is high demand in international market. On the basis of the existing federalism, we need a large number of engineers at local level.

In your view, which is the most demanded course of engineering education vis-à-vis restructure of the nation?

At present, we feel the upshots of political revolution. In such a case, we have to be able to deliver our utmost efforts for development and economic enhancement of the society and the nation. The present world is transformed into digital world. So, computer engineers are globally employed. Besides this, other fields of engineering spheres such as civil, electronics engineering are equally important.

How do you acknowledge the performances of the graduates of Kathmandu Engineering College?

Kathmandu Engineering College has shown its outstanding results in engineering education. Our graduates

have performed and attained praiseworthy positions even at foreign universities which benefit the country in the long-run. Moreover, some of our graduates are showing their phenomenal endeavors at Harvard University, USA and many of whom have already embraced award-winning jobs in various overseas nations apart from their home country — Nepal.

In your opinion, what is the required number of engineers in Nepal that would work for the mission of transforming the nation into a developed one?

I do not speak in jest, but the required number of engineers should be determined after making a scrupulous analysis of current demand and supply ratio. First of all, the country should make further plans and policies. Once we have analyzed and endorsed required policies, then only we will be able to dispatch the required number of engineers.

What should be done to make engineering education more attractive and job oriented in the future?

I strongly claim that Nepalese engineers are well-qualified. In spite of this, there is something lacking in the engineering education. A great emphasis should be given on practical field and internship by incorporating this provision in the curriculum. So curriculum should be changed in the course of time and situation. The University should also cooperate with its affiliate colleges and give proper guidance as and when required.

It is heard that the current situation of drop outs of engineering courses is alarming. What is your view that would crystallize the government plan in reducing the rate of such students?

First of all, students should be motivated and provided proper guidance at home and at college. Parents should not force their children to study the course the best fit their interests. The students should determine their further studies themselves. If they generate will-power to pursue engineering education, then it is advised that they should get admission in this discipline. Parents are also advised that they should be judicious and aware of their children's activities. They should consult the college and should receive feedback of their children time and again. Moreover, it is also challenging to reduce the rate of drop outs because of interferences of political parties on the college administration. But students should abstain from political affairs in the college premises instead they must concentrate on their studies to witness jaw-dropping academic upshots.

Kathmandu Engineering College, established in 1998 AD in affiliation to Tribhuvan University, is the first ISO: 9001:2008 certified college in Nepal. The college has always embarked on academic growth of its pupils since its inception. It has reached this level after overcoming insurmountable hurdles for its hard-earned legacy. At present, this college has ensconced itself to be one of the reputed colleges in imparting engineering education in Nepal, which offers five engineering courses: BE Electronics & Information, BE Computer, B. Architecture, BE Electrical and BE Civil.

Kathmandu Engineering College blends academic wisdom with equal fractions of liberty and hard work. You learn countless little details of life alongside our exquisite curriculum here. The college emphasizes on creating an inviting environment, rather than enabling students to do rote learning. Therefore, its prime objective is to instill the practice of listening, observing and speaking in students.



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Universal

Engineering & Science College

(Affiliated to Pokhara University)

Announces Admission Open for

BE Civil (96 Seats)

BE Computer (48 Seats)

BSc Biochemistry (96 Seats)

**Bio Group can
also apply
in Engineering**

Chakupat (Near IoE, Pulchowk Campus), Lalitpur

Ph: 01-5260419/5260592

Pursuit of QUALITY EDUCATION ends at Cosmos College

How do you analyze the status quo of engineering education in Nepal on the basis of your long experience in the same field?

Tourism and hydro sectors have high prospect in our country. The Government has adopted the policy to welcome as many as two million tourists by 2020 AD. Similarly, the government has set a priority to produce 3000 MW electricity within a period of five years and 15000 MW electricity within ten years. To manifest these priorities, the country requires a large number of experts in the engineering field. Similarly, the government has adopted the policy of constructing Mid-hill East-west Highway, China-Nepal Railway; India-Nepal Railway and so on. Furthermore, the government has brought the concept of smart village and smart city. For successful manifestation of these concepts and strategies, we need more than 50000 engineers within five years. However, only 45000 engineers have been registered in the Engineering Council. Among them, around 60% engineers are leaving the country. In such a case, we have only 20000 engineers in Nepal. So, we have to still produce 30000 engineers within five years. There is a high demand and urgent need for the enhancement of engineering education in Nepal.

Since your entailment in the engineering field has been long, in your view, what are the major causes of draining out engineers from Nepal?

In fact, engineering education is of global standard. The qualified engineers have a high demand globally. Due to this reason, Nepali engineers are leaving the country to dwell in a foreign land. Similarly, there are a wealth of opportunities and attractive income in a foreign country

for an engineer. Furthermore, a master degree education is of very high standard at foreign university. Nepalese Engineering Colleges have still been unsuccessful in ensuring quality master degree programs in the engineering field. So, most of our engineers go to a foreign swathe particularly in USA, Australia and European countries for their higher studies. Eventually, after completing their expected course they never think of returning to their native land.

What remarkable transformation should be made in policy making level for the enhancement of quality in engineering education?

Universities should prepare the curricula that best fit with our context. Similarly, the government should bring amicable policy to encourage private investors in this field. Till date, only teachers have been investing by their collective efforts, but the government should make the policy to increase the attraction of national capitalists so that we can make Nepal as a hub of engineering education and attract a large number of foreign students to study in Nepal. Moreover, the confusion regarding private education should be made clear. The government should also bring the policy to boycott political interferences which remain as obstacles to hinder smooth running of the programs.

In your initiation, your team has been running engineering programs in collaboration with different universities in Nepal. What impacts does the university make on quality education deliverance?

We have been running engineering programs at Cosmos Engineering College, Advanced Engineering College, Whitehouse International Engineering



Er. Laxman Pokharel
Chairman
Cosmos College of Management
and Technology, Kathmandu

College and College of Bio Medical Engineering and Applied Science in affiliation with different universities in Nepal. In my experience, there is a direct effect of the universities in the enhancement of quality education. If the university adopts the appropriate and friendly policy with private institutions many investors will be encouraged to invest for ultra-modern infrastructure. However, Tribhuvan University has not made such an amicable policy that would impress the private investors. On the other hand, Purbanchal University takes entrance examinations very late, but Pokhara University is always punctual in conducting entrance examinations and publishing results; so it is the best institution for engineering education in Nepal.

What suggestions would you like to pass on the +2 science graduates pursuing a right college for their higher studies?

I heartily suggest that plus two science graduates should enroll in engineering college to assure their bright future. Engineering education is a globally recognized degree. The ones that attain engineering qualifications can open a door of wealth of opportunities worldwide.



Cosmos College of Management and Technology is an emerging college in Kathmandu valley run by a team of renowned personalities of the field of engineering and management. In its glorious history of more than 15 successful years, it has established a unique academic brand in the society by generating world class human resources. Currently, it offers an array of courses: BE Civil, BE Computer, BE Information Technology, B. Architecture, and BE Electronics & Communication, affiliated to Pokhara

University.



Affiliated to Purbanchal University
www.hillside.edu.np

*Come and be a part in the
mission of building the nation*

BE CIVIL ELECTRICAL

**Bio Group are Eligible
Extra Math not required**

ADMISSION OPEN

Admission Requirement:

- ✓ Student should pass Entrance Examination conducted by Purbanchal University
- ✓ Must have completed I.Sc or +2 (Science) or Diploma in Engineering (3 years) with minimum **C+** grade.

Form distribution time:

7 AM - 5 PM (from College Reception)

Last date of form submission:

Bhadra 13, 2075

Form submission with double charge:

Bhadra 20, 2075

For further details

G.P.O. Box: 12865

Balkumari, Koteswor, Kathmandu, Nepal

t: 977-1-5147207, 5147010

m: hillsidecollege@hotmail.com

u: www.hillside.edu.np



Engineering course is hands-on education that cements students' academic pursuits



Dr. Hari Krishna Shrestha
Principal
Nepal Engineering College,
Bhaktapur

How is the performance of the NEC graduates in the global market?

As of today, this college has produced around 10 thousand engineers. Among them, around 50% of the students are in foreign lands. Remaining 50% of them are employed by various companies and corporate houses in Nepal. As far as I know from a reliable source, our products never dawdle in pursuit of jobs, which can be corroborated by the quintessence of our past graduates who have shown outstanding performances in their job landing sectors and higher studies. About 50 students acquire scholarship privileges in various national and international universities every year for their higher studies.

What are the distinct features of Pokhara University that are rare in other universities?

I think the basic norms of engineering should be followed by all the universities. There should not be huge variations in the syllabuses. In spite of this, Pokhara University is flexible in terms of its courses offered and evaluation system. It has been including new and market demanding subjects to meet global standards.

Could you possibly highlight the distinct features of Nepal Engineering College?

It is a non-profit-motive college established by social workers and educationists with the view to impart quality education in the field of engineering at reasonable fee structure. This college has been focusing on hands-on education that should be bestowed on our pupils. For this, we help our students inculcate their

skills by offering elective courses and forming clubs as necessity. Research-based education is given high priority in this college. We have allocated a huge budget for research on various disciplines. Moreover, another distinct feature of this college comprises the deliverance of regular classes. So, academic activities are unstoppable here.

Based on your long experience in academic field, which engineering courses are the most relevant in the present context of Nepal? What are the further plans of Nepal Engineering College in this matter?

Our country has high potentials of engendering hydro-electricity and medicinal herbs. NEC is planning to prepare the courses about refining the medicinal herbs and conducting a survey on hydro-electricity production. Another equally important and phenomenal thing is that local people should possess skills and build cooperation. Rural based technology is the urgent need of today. If the skill is produced that matches with the locality; the skill and knowledge can be beneficial in mobilizing local resources which ultimately halt indiscriminate migration from bucolic areas to urban cities. NEC has been planning to prepare such courses that meet the present needs of Nepal.

It is rumored that Nepal Engineering College is facing disputes and contradictory situations regarding the issue of its operation. Would you be able to resolve all these allegations permanently before the end of your tenure?

I have already informed you that Nepal Engineering College has been facing

many ups and downs since its existence till today. We have faced insurmountable difficulties in various intervals of time, which we have solved rationally. We resolve persisting disputes in a facile way. In this regard, I assure all the stake holders that Nepal Engineering College will run as a non-profit social organization in the future as well.

What message do you want to convey that satisfies the academic concerns of your parents, guardians, students and stake holders?

I request that our guardians, students, and the university should believe in our commitment and quality. I urge our parents and guardians to pay a visit to the college and witness our rewarding and academic atmosphere maintained here. Moreover, we never allow any political and other affairs to droop over teaching and learning activities of our institution. If any disputes arise regarding its operation it will be settled wisely. We never compromise on disturbing factors that hinder our daily teaching and learning activities. Moreover, I assure everyone that Nepal Engineering College will be the best college among its contemporaries vis-à-vis academic excellence.

Nepal Engineering College is driven by a motive of not-for-profit which was established with the aim at contributing to the society with excellent engineering education. The college is a Pokhara University affiliate, which was established in 2051 BS by a team of social workers. It has undergone myriads hurdles during its journey. The college would not have received such academic boost if it had not been administered by skilled leaders. Presently, it is the largest college in terms of its intake capacity.

Initiated with limited physical and instructional resources, NEC has now grown to an institution with its resources comparable to any institution of repute in the country. The physical infrastructure and instructional resources, built in 228 ropani (11.6 hectares) of land in Changunarayan VDC in Bhaktapur, provides the ambience of nature and ideal learning environment.

Currently, NEC offers an array of Bachelor and Master degree programs. All the Bachelor level courses are conducted in Changunarayan (main campus) and Master level courses at NEC - Center for Postgraduate Studies at Pulchowk in Lalitpur.



ADMISSION OPEN

BE Computer

BE-IT

(Information Technology)

BE Civil

+2 Science (both Biology and Physical group)/Diploma in Engineering & A level with minimum second division (45%)/C in each subject in new letter grading system can apply in all programs.

Scholarship

- Special scholarships scheme for intelligent, female & students from scheduled cast.

Key Features

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- Tie up with different professional and academic research organizations.



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Pursuit of engineering education is intensifying as sheer profession

As you are administering the college as principal, could you possibly highlight the remarkable reforms you have made to escalate the academic status of the institution?

I have made some reformation in academic deliverance and managerial field. A couple of years ago, there was a problem of its sustainability, but at present our college has been established as a recognized college in terms of physical infrastructure and education impartation. Similarly, we have been adopting latest tools and technologies in teaching and learning activities. Our college has earned its height and reputation through its academic attainments. Sustainability of this college has also become trustworthy and long-lasting.

What are the distinguished features of National College of Engineering?

We (promoters) are from engineering background and experts of our respective vocations. Our college has become the centre of academic excellence as we have been using modern tools and technique in classroom activities. Our faculty members are dedicated, hardworking, professional and result-oriented in their subjects. Moreover, another important feature of this college is its new approach of tutoring. We frequently organize teacher training and seminars with a view in making them updated with latest educational developments across the globe.

Since Nepal is a developing country, engineering education plays a pivotal role for its overall development. It is alleged that engineering education does not seem effective in fulfilling the lacunae of increasing unemployment rate. What is your opinion regarding

this issue?

Exactly, Nepal is a developing country. For its advancement, engineers can play a significant role. The development and prosperity of the nation depends on the contributions of engineers. No development work can be long-lasting unless there is true contribution of the engineers. Therefore, engineers are equally needed for construction, maintenance and renovation. In my view, engineering education is reasonably effective.

It is said that engineering education is extortionate, yet it doesn't give good returns, how far do you agree with this?

Engineering education is an applied science. It encompasses the applied field of all sectors. It is job oriented and inspires learners to be an entrepreneur. So, this allegation has nothing to do with our painstaking efforts, and it is amorphous. Indeed, engineering is a lucrative profession. One can be an entrepreneur and highly paid employee, if s/he completes engineering education successfully.

Which is the most demanding course in engineering education in Nepal now?

In my perspectives, all the courses are equally important as per their potentials. In spite of this, in our context, civil engineering is the most demanding program since we have to do a lot in construction and infrastructure of development. Similarly, computer engineering and electrical engineering are globally demanded courses.

In which level is National College of Engineering expected to reach in near future?



Prof. Tak Bahadur Galami
Principal
National College of Engineering

We will have been able to succeed in transforming this college as a model college of Nepal in term of its academic excellence and physical infrastructure. We will bring a lot of reformation in teaching and learning activities. With the view in making this course more comprehensive and life-changing we will give emphasis on job training and internship by encompassing them in the syllabus after a discussion with the University.

What suggestions would you like to convey to the +2 science graduates concerning their higher education?

The success of life depends on the logical capacity of an individual. Engineering education cultivates rational capacity for the students. So, I heartily suggest the +2 graduates who are from science background to enroll in engineering education. Engineering education makes an individual think logically, tactfully and positively to succeed in the future. It also makes a student autonomous by developing skills and igniting enthusiasm to handle any unprecedented circumstances.

National College of Engineering, established in 2058BS, is a Tribhuvan University affiliate college. After the new team has taken over its administration in 2065 BS, the college has been steering up rapidly in its progress academically and on the basis of its structure. Currently, it offers four programs in engineering: civil, electronics & information, computer and electrical. The college has enrolled students according to its intake capacity in civil and computer engineering. Other two programs are also running satisfactorily.

The performance of the college graduates is phenomenal in global economy. Many students have become professors and directors at various universities and companies in the country and beyond. Many of them have acted upon their praiseworthy performance in higher studies in European countries, America and Australia. Some of them have completed their PhD degree from world's recognized universities.



PEC | Pokhara Engineering College

CTEVT Affiliated Programs:

- Diploma in Civil Engineering
- Diploma in Computer Engineering
- Diploma in Electronics Engineering
- Sub-overseer in Civil (15 Months Duration)

Eligibility: SLC or Equivalent

Pokhara University Affiliated Programs:

- BE Civil
- BE Computer
- BE Electronics & Communication
- B. Arch. (Bachelor in Architecture)

Eligibility: 10+2 or A Level Science (Bio Group also), I.E. or equivalent with at least second division marks.

M.Sc. Construction Management (2 years duration)

Eligibility: B.E. in any branch of Engineering, B.Arch. or equivalent from any recognized university.



"Committed to Excellence in Technical Education"



PEC

POKHARA ENGINEERING COLLEGE

Phirke, Pokhara-8, Kaski, Nepal
Tel: 061-531209/528530
E-mail: info@pec.edu.np

URL: www.pec.edu.np

Dispatching sterling QUALITY OF ENGINEERS is our benchmark

Would you give a brief analysis of engineering education in Nepal?

Nepal has to work immensely to reshape its structure. After entering into the federal system there is an urgent need of engineers from local level to the center level of governmental organizations. In each municipality and rural municipality, there is high demand of engineers. Since the available number of engineers cannot fulfill the present demand, there should be a dramatic rise in the number of engineers in Nepal.

It is alleged that quality of engineering education is rarely perpetual in Nepal although it is very essential for the overall development of the nation. How is your view regarding this issue?

I am not sure about other university, but I am confident that the quality of engineering education accredited by TU is tough not only in Nepal but also in South Asia. Our college is a TU affiliated college. There is high value of IOE in South Asia. TU admits only IOE entrance successors. So, the quality of TU affiliate colleges cannot be underestimated not only in Nepal but also in South Asia.

What efforts have been made by Lalitpur Engineering College for quality enhancement in the engineering education?

Lalitpur Engineering College has made a master plan for its quality enhancement. We have brought long-term and short-term programs for its excellent performance. For the quality enhancement as a short-term plan, we have been making internal arrangement. Similarly, for our long term program, we are planning to run master degree programs in engineering education. We know that without launching master

degree programs it is not possible to produce qualified teachers in engineering education. The sustainability of engineering education depends on the state of the production of highly qualified faculties and constant efforts of the management board. We have been working for the betterment of both of these things with the view to enhance quality of education.

How many students have received graduation from your college and how is their performance in global economy?

As of today, we have produced as many as 120 students in civil engineering and a considerable number of engineers from other programs. The performance of our pass graduates is worth commendable along with outstanding results. Many of them have got scholarship for their higher studies at foreign universities particularly in USA, Australia and European countries.

What are the unique features of Lalitpur Engineering College which are rarely found in other colleges?

We have adopted the policy "Least the number best the winner" and we are working for achieving this very sincerely. There is a personal care for our students. The academic activities are run unhindered in our college. We are always away from political interference and disturbance. Another unique feature of our college is its peaceful environment. We impart quality education in fully academic and peaceful environment. We have made arrangement of giving training to our pass students for three to four months with the view at strengthening their practical skill in their workplace.



Lalan Tiwari
Principal
Lalitpur Engineering College,
Lalitpur

What improvement do you expect from TU for the amelioration of students performances?

TU should make clear projection about the number of engineers required for different fields of development. The TU should increase the quota of civil engineering and electrical engineering to meet the demand of the nation in the engineering field after analyzing the demand and supply ratio. It should give affiliation to other new colleges and determine the quota of their constituent and affiliated colleges.

What suggestions would you like to give to the +2 science graduate embarking on higher education?

Skill is very essential thing to lead a happy and dignified life. Those who have skills in a particular field, their demand is very high not only in the country also in the global market. The engineering education is the highly demanded program in the context of Nepal. So, I suggest them to pursue engineering program in order to shape their future.

Lalitpur Engineering College is a TU affiliated college that offers BE Civil, BE Computer and BCA. It has been established with the aim of providing an outstanding engineering educational support to the aspirant candidates. The college is fully equipped with all dimensions which should be in a 'Quality Learning Centre'. Central location, establishment of the college by a group of visionary Nepalese eminent professionals, ultra-modern laboratories, peaceful academic environment, etc. are the key strengths of the college.



BUTWAL PUBLIC SCHOOL Observes BPS IDOL-2075

Butwal Public School organised its regular edition of BPS IDOL-2075 at Jungle Nepal Resort, Sauraha, Chitwan on 21 Jestha 2075 amid a huge number of students and local people.

A total of 20 contestants showed their jaw-dropping dance and singing talents that triggered the crescendo of music and dance in Sauraha.

At the end of the event, the participants were awarded with trophies by the Chief Guest and the Chairperson of Butwal Public School. Judges, teachers and guests were presented tokens of love by the Chairperson before concluding the event.

The programme was organized during the tour to Chitwan for the pupils of Grades eight and nine. It was a two-day event, which entertained a large number of pupils along with recreational activities.

The following participants were declared the winners and awarded trophies on their historical winning:

Names of the Winners (Junior, Singing):

1. Bandana Kunwar (BPS IDOL)
2. Carron Gurung (First Runner-up)
3. Sudip Kandel (Second Runner-up)

Names of the Winners (Junior, Dance):

1. Siddhika Karki (BPS IDOL)
2. Sonam Thapa (First Runner-up)
3. Agrima Thapa (Second Runner-up)

Names of the Winners (Senior, Singing):

1. Sandhya Mahat (BPS IDOL)
2. Tyson Karki (First Runner-up)
3. Sneha Khatri (Second Runner-up)

Names of the Winners (Senior, Dance):

1. Indira Thapa (BPS IDOL)
2. Sandhana Mahat(First Runner-up)
3. Kamana Gelang (Second Runner-up)

The school organizes such an event every year to enable its learners to spend their vacation period in places engulfed by the scenic beauty and landscapes.

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Management course mounts learners' MANAGERIAL SKILLS

Could you possibly illustrate the reasons behind the phenomenal performances of Himalayan Whitehouse International College (School of Management) since its inception?

The image of Purbanchal University was also appealing in those days when our college got affiliation. The University gives focus on hands-on education delivery. Himalayan Whitehouse Int'l Collage has been offering an array of programs related to career development, communication skill development and so on. Due to continued efforts of enhancing quality and global education, this college has become one of the top-notch management colleges. Similarly, our team has clear vision, dream, efficiency and sincere spirit in escalating education delivery that meets global standard in management stream. Therefore, all these factors contribute to the escalation of name and fame of the college in short span of time.

What are the unique features of Himalayan Whitehouse International College that are rare in other general institutions?

Himalayan Int'l College is at the apex level in terms of the courses offered in the management stream. Our college has some basic features which distinguish it from others. It has been providing full-time experienced and qualified faculty members. It has sufficient physical infrastructure with its spacious and well-equipped classrooms. It focuses on the combined approach to quality academics, outstanding faculties, and state-of-the-art facilities to mold students for global competition and challenge to become the global achievers and leaders. Similarly, our students are groomed with organization, communication, innovation and leadership skills with an environment for their career options. Excellent academic environment, creativity in education and ethical behavior and respect with all people are our values. We are working sincerely to fulfill our dreams. Our college has mingled the academic course with

professional career. We completely focus on academic activities plus professional careers of the students by giving emphasis on the career development and communication skill development.

Could you possibly give us the limpid data of students graduated from this college till date? How do you acknowledge their performances in the global market?

As many as 900 students have achieved MA graduation and more than 1000 students are graduated in Bachelor level. They have achieved outstanding performance in both job landing sectors and higher studies. Many of them have become entrepreneurs. Similarly, a large number of graduates have got scholarships in Nepal and foreign countries for their higher studies.

At present, the charm of management stream has significantly increased. Would you let us know about its most demanded courses?

At present, new and most demanding courses are taught in Purbanchal University. Management course itself is interlinked with many other disciplines. The nascent courses have more attraction, especially hospitality and management, BBA, BA Liberal Arts, BHM, MBA and E-MBA programs. Our college offers almost all the courses mentioned here.

What are the strengths of Purbanchal University? What additional efforts should the University make for its better performance?

Purbanchal University has set a modern trend that has escalated its academic excellence. It offers most demanded courses in management and other faculties too. The exam system of the University is time-bound and syllabuses updated. The University has shown appreciable leadership to its constituent and affiliate colleges. Still, the University should do more to catch the global trend. In my view, for its better performance, the University should make regular monitoring and supervision in its



Shambhu Dahal

Head
School of Management
Himalayan WhiteHouse International
College

constituent colleges. In addition, it should hold regular interaction sessions with the colleges and faculty members.

How far would you agree with the proportion that without adopting new technology in teaching and learning activities, enhancement of quality education is almost impossible? In your view, how can we annex technology with education?

It's absolutely right. Without adopting technology in education, enhancement of quality education is not possible in modern days. Management education is directly related with technology. So, management education and technology should be interlinked by applying a new approach in teaching and learning activities.

At last, what suggestions would you like to give to the +2 graduates hoping to pursue management education?

Management education is today's requisite. It prepares us to be an entrepreneur and good manager in any field. So, I suggest the students to visit Himalayan Whitehouse International College for receiving management education. I express my sincere commitment that we are eager to provide you quality education.

Dispatching sterling QUALITY OF ENGINEERS is our benchmark

Could you possibly reveal the current status of engineering education in Nepal?

Engineering education is an applied science. It holds bright and exciting future of the students in a global scenario. One can develop a career in governmental projects, private or public sector industries, and construction companies and in any other fields of engineering. It is a dynamic field with lots of specializations. In Nepal, the specialized and popular engineering programs incorporate Civil Engineering, Electrical Engineering, Electronic Engineering, Architecture Engineering, Computer Engineering, Mechanical Engineering and Biomedical Engineering. There are around 38 engineering colleges in Nepal in affiliation with Tribhuvan University (TU), Kathmandu University (KU), Pokhara University (PU) and Purbanchal University which can adjust around 8000 students in intakes annually. According to data, out of total intake capacity around 30 percent quit their studies in the middle. However, we do not have a limpid idea about such a large volume of dropout students.

What efforts have you made to reduce the number of drop outs from your college?

I have tried my best to minimize the rate of drop outs in my college. We have been conducting counseling sessions for the students and parents regularly. Motivational classes are often operated to stimulate students' potentials. If any students are found to be reluctant to pursue the engineering course, I suggest them to change their faculty. Similarly, I have given constructive suggestions to the University for an effective solution to this appalling conundrum.

Could you please give a brief account of Himalayan White House Engineering College?

Himalayan White House Engineering College is a recognized, fast-growing, reputed educational institution in the heart of capital city of Nepal that is engulfed by picturesque beauty of nature. The college elongates over a large area with enough, spacious and modern physical infrastructure including spacious playgrounds, well-furnished seminar halls, sophisticated laboratories, well-stocked library, highly qualified full time faculty and scholastic management team. Furthermore, we run supplementary courses to make our products globally employable.

In your opinion, what qualities should be possessed by the students wishing to be engineers?

First of all, engineering course pursuers should generate a passion of becoming a successful engineer, which should be implemented by those hopefuls. Similarly, they should possess basic quality of engineering education when they attain +2 level qualification. One should be diligent and anxious about a career apart from being creative and studious.

What is the present status of job placement of engineers in Nepal? It is vilified that there is a problem in job placement and internship opportunities for engineers in Nepal? In this situation, what is your view regarding existing scope of engineering in Nepal?

There is a huge scope of engineering education in Nepal. Currently, there are as many as 40 thousand engineers from the entire engineering program registered in the Engineering Council. But in



Toya Narayan Poudel

**Head
School of Science & Technology
Himalayan WhiteHouse
International College**

our context, around six thousand civil engineers are registered in the council. Among them, 50% engineers are working in foreign lands and remaining 50% are working in Nepal. Truly speaking, we need around 200000 civil engineers for the smooth running of developmental work in Nepal. However, in other sectors such as IT, Computer, Electronics, and Hydro sector, we need a huge number of engineers. In this sense, we can claim that there is a huge demand of engineers in Nepal.

What message do you want to convey to the +2 graduates who want to study engineering in Nepal?

First of all, I want to suggest they should appear in the entrance test of government colleges. If they could not succeed in acquiring scholarship schemes, they should visit our college. We are eager to welcome you. I express my commitment that we are able to provide you quality education in a serene atmosphere.

Himalayan WhiteHouse International College, established in 2001 AD, envisions to transform itself into a center for academic excellence in education is one of the top leading colleges of Management and Technology education in Nepal.

Since its inception, the college has been ranked as the top leading institution providing Management, Hospitality, Engineering and Liberal Arts programs in Nepal. The School of Management offers BBA, BA Liberal Arts, BHM, MBA and EMBA programs, affiliated to Purbanchal University in the serene academic premises at Mid-Baneshwor, Kathmandu and the School of Engineering offers B.Tech (Biotechnology), Bachelor of Civil Engineering, Bachelor of Computer Application, Bachelor of Computer Engineering, Bachelor of Electronics and Communication Engineering and Bachelor of Information Technology, affiliated to Purbanchal University. Now the school of Engineering has been shifted to its ultra-modern building in Putalisadak with many facilities.

White House focuses on the combined approach to quality academics, outstanding faculties, and state-of-the-art facilities to mold students for global competition and challenge to become the global achievers and leaders. Furthermore, the pupils are groomed with organization, communication, innovation and leadership skills that help them adjust themselves even in the challenging workplace.

OUR TEACHING APPROACH is phenomenally empirical

Could you possibly highlight the distinct features of Himalaya College of Engineering?

It can be found at an easily accessible and prime location with its ultra-modern academic buildings engulfed by tranquil surroundings. The college elongates over 24 ropanis of land and has latest physical infrastructures that include spacious classrooms and playgrounds, well furnished seminar hall, sophisticated laboratories and well stocked library. It offers a scholastic atmosphere to the students. It is run and managed by well experienced team of experts in their related fields. The faculty members are also well qualified, dedicated and experienced. This college frequently organizes workshops and training to the students with a view to make education more pragmatic by inviting the specialists from different vocations. High priority is given to the practical implication of knowledge and skill learned in classrooms. For this purpose, we conduct an interface with industries.

How is the performance of the Himalaya graduates in the global market?

The graduates of Himalaya College have achieved outstanding performances in both job landing sectors and higher studies. Moreover, they have embraced phenomenal successes in entrepreneurship and job landing sectors. Similarly, some of our students have got scholarships for their higher studies in various national and foreign universities. So, our students have been successful in their post-academic careers.

It is rumored that there is a massive problem of dropout of students in engineering education. What

consequences are you undergoing concerning this menace?

In comparison to other colleges, there is no such problem here. We have not yet experienced drop outs in a large volume from this college. Our scholastic atmosphere is so convincing that students feel they should work diligently to achieve their high potentials. Moreover, our counseling, which imbibes significance of education, career choices and discipline, galvanizes the students to give priority to studies rather than political affairs and other unnecessary activities that hinder their studies to a large extent. Due to our collective and continuous efforts we have not faced dropout problems. Currently, it is an exceptional case here.

In your long experience, what should be done by the University to make engineering course more conducive?

Engineering is an applied science. The knowledge and the skill learnt in college should be implemented in the practical field. For this, internship plays a pivotal role that should be included in the syllabus. It is the liability of the government and government-funded institutions to provide an environment to the students and colleges for internship if such a provision is embodied in the syllabus. Similarly, project work should be made compulsory in the syllabus.

Among engineering courses, which is the highly demanded course in the present context of Nepal?

All the engineering courses have equal importance in their field. However, in the present context, civil engineering is a highly demanded course since it incorporates hands-one experience of



Er. Madan Sharma
Principal
Himalaya College of Engineering

infrastructural development. Similarly, the government has introduced the concept of paperless governance; so, the course of computer engineering is inevitable. In addition, other engineering programs (practical engineering, mechanical engineering) are also equally important and inchoate courses in the present context.

What message do you want to convey to the +2 graduates that would play a catalytic role to shape their careers?

Technical education is a life-changing education, which never lets you die. Amid various technical programs, engineering education is a job-oriented education. Those who complete engineering course, they never remain unemployed rather they become job creators. Another equally important aspect of engineering is that there is a broader scope in higher studies. The ones, who have completed bachelor in engineering, can pursue other disciplinary subjects like Economics and faculty like MBA in their master level course. So, I request +2 graduates they should pursue engineering education.

Himalaya College of Engineering, affiliated to Tribhuvan University, was established in 2000 A.D. The college was founded and has been by a team of dedicated academicians and professionals with a long experience in their respective areas of study and expertise. It offers an array of courses: Bachelor in Computer Science and Information Technology (BScCSIT), BE Civil, B. Architecture, BE Computer and BE Electronics and Communication. This institute is a widely recognized, fast-growing, reputed educational institution in the Kathmandu valley that is situated in a serene location. The college has been making continuous efforts to develop itself as a learning center. It has made progress in building infrastructures and developing other physical facilities. Moreover, it has established highly sophisticated laboratories for scientific experiments.

ARCHITECTURE is most probably the best discipline for adorable engineering

How do you analyze the status quo of engineering education in the present context of Nepal?

Engineering education is the urgent need of today for developing countries like ours. There is a high demand of qualified engineers for the reconstruction of damaged infrastructure and cultural heritages caused by earthquakes and other natural calamities. Qualified engineers can contribute to the overall development of a nation since they are needed for maintenance, construction and production sectors.

You have gained a long experience in the field of architect. As a person having long experience and involvement in this field, how do you see the prospect of architecture in Nepal?

As we know, shelter has become the second need of every human being after food since the very beginning of human existence. Architect is the technology related to the place of dwelling. For a systematic and beautiful town, planning is a pre-requisite which can be done by the experts of engineering arena. From the designing of lavished and sophisticated house of an individual to general house, the contributions of architect engineers are inevitable. Similarly, for the construction and renovation of our cultural heritages, an architect engineer plays a significant role. In this sense, there is a high prospect of architects in the present context of Nepal.

How is the situation of job placement of architecture graduates in our country now?

There is a good scope of architect

engineering. The demand of architect engineers in our country has not yet been fulfilled. Many consulting companies and business houses are seeking qualified architects. At present, all the municipalities have made compulsory for designing and passing the map before constructing a house which can be crystallized only with an engineering architect. In this regard, every municipality needs a massive number of architect engineers. Moreover, architects are demanded by many private consultancies, too. So, I infer that the job placement of architect engineers is very good.

You have been given the responsibility of vice principal at Pokhara Engineering College after gaining a long experience from other institutions. What sort of reformation has this college witnessed after you assumed your office as vice principal and what are your future plans to make Bachelor of Architect program more effective in this college?

I have recently got this responsibility. As I have observed the situation of this college I have found it being rich in infrastructure and sophisticated studios which are the basic needs of an architect college. We have been planning for the proper management of full time qualified faculty. There is the need of establishing architect as a separate department. We are scrupulously working on this requisite.

What is your satisfaction level in your current profession?

I am fully satisfied with my profession,



Rojana Joshi
Vice Principal
Pokhara Engineering College,
Pokhara

which is very useful in our daily life. I have aptitude to be an architect engineer. I enjoy immensely in this field. Similarly, I enjoy teaching as well. In fact, architect is such a life using field which is needed from our room to society. I enjoy decorating my room and my house. Similarly, I am fond of communicating and discussion latest changes in technology with my students and colleagues. I have received social and commercial boost from this field. So it is the field of my interest and dignity.

What suggestions would you like to deliver to the +2 science graduates?

First of all, I suggest the +2 science graduates to choose the field of their own aptitude and interest. They should not be influenced by any mates, peer group and should not be enforced by the parents or relatives, which eventually would not be fruitful for them. They should be sure by understanding their insight and interests as well as they should be clear about their future aim and prospect of any field of interest.

Pokhara Engineering College was established in 1999, aiming to shoulder overwhelming figures of technical students in the western region. From the beginning of the day, Pokhara Engineering College has been attempting many possible steps to get into the technical solutions of even common problems. Continuous efforts from every touching employee and student contribute to Pokhara Engineering College that results in receiving the perfect recognition in national and international universities, companies, and research organization. Currently, it offers courses: BE Computer, BE Civil, BE Electronics and Communication, B. Architecture, and M.Sc. Construction Management affiliated to Pokhara University and Diploma courses: Civil Engineering, Electronics Engineering and Computer Engineering, affiliated to CTEVT.

Demand of engineering courses is gradually increasing in the course of time



Arun Bhandari
CEO
Everest Engineering College

Everest Engineering College has recently shifted from Kathmandu to Lalitpur; what are the prime reasons behind it?

We were operating our college from Buddha Nagar, Kathmandu. There was not a spacious and modern building to meet our goal of imparting holistic education. Here, we are satisfied with the amenities that help us immensely meet our goals. The policy of extending roads of Kathmandu by the government is also another influencing factor that compelled us to shift here. It had hindered us to impart education in the serene environment. Here, we provide education in a congenial and peaceful atmosphere.

What are the distinct features of Everest Engineering College that are infrequent in other colleges?

Everest Engineering College bestows on the students constructive guidelines. There is close relation between faculty members, management team and the students in this institution. We have qualified, dedicated and experienced faculty members. Similarly, our management team is visionary and has expertise that presents a clear vision to march the college forward. Furthermore, we have been imparting quality and demanded education to meet the world's ubiquitous requisites.

There is great significance of engineering education for the overall development of the country. In this sense, which are the most demanding engineering courses in the present context of Nepal?

There is equal importance of all the engineering courses in their own fields. In spite of this, civil engineering is the most and ever demanding since we have

to do a lot in the field of infrastructural development. Besides, mechanical engineering and computer engineering are equally important in the present context. In the latter days, the demand and need of other engineering courses is also gradually increasing in the context of Nepal.

How far the engineering courses of Pokhara University are different from the engineering courses of other universities?

Engineering courses of all the universities have some basic commonalities. There should not be variations more than 20 percent in engineering courses among the Universities. Despite this, Pokhara University has its distinct features. It has included latest version in its curriculum and evaluation system. It has adopted relative grading system with continuous evaluation system. Furthermore, in order to promote rewarding education, some foreign policies should be adopted by the University. To be true, Pokhara University, to some extent, has played a crucial role to curb the intensity of the students' flow to foreign universities by meeting the course of international standard.

As there is a provision of internship in medical education, how far is it necessary in engineering education? Is there any such provision at Pokhara University affiliate colleges?

It is a relevant question. Internship is extremely necessary for the practical implementation of theoretical knowledge. Pokhara University focuses more on hands-on knowledge. Our college has adopted the policy 'Education through Research and Innovation'. Research and project work has been give high priority in our college. Furthermore, we have been

providing professional training for three months by collaborating with various corporate houses.

Finally, what message would you like to convey to the +2 graduates and their guardians as CEO of Everest Engineering College?

The parents and the +2 graduate students should visit and get information about the college before their enrollment. Students have to think about their interest and aim while choosing their areas of studies. They should not be misguided by any unwanted crowd. They should decide themselves after visiting the college and understanding its academic environment. As CEO of Everest Engineering College, I request the +2 graduates they visit our college and be sure to study here. I fully assure them that we will give them a complete environment definitely espouse them to carve an appealing pathway to success. Our college gives emphasis on life skill and practical implementation of engineering courses as the demand of time and necessity which ultimately meets the ambition of the students.

Everest Engineering College, established in 2001AD, is one of the oldest and leading engineering colleges, under the affiliation of Pokhara University. It is presently located at a picturesque swathe of Sanepa, Lalitpur (Shuvatarara School, Old premises) — a quiet and serene environment, suitable for studies. The college has ample space for recreation, standard classrooms and seminar hall required for each and every academic and extra-curricular activity in graduate and undergraduate levels.

After taking over its management, the new team has been able to make its drastic change in delivering its academic quality and physical infrastructure. Currently, it offers BE Civil, BE IT and BE Computer programs.

Continued legacy of bestowing on students hands-on ENGINEERING EDUCATION

How do you infer that Hillside College of Engineering contributes to the engineering education, which is an underpinning factor of nation building?

Obviously, engineering education has an incredible contribution in the overall development of the country. Engineering is very essential in the field of construction, maintenance, management and production. Electrical engineer, civil engineer, IT, computer and electronics engineers play a significant role in nation building.

Brain drain is the serious problem of developing countries like ours. Many +2 graduates are leaving country for their higher studies, who never return back after attaining certain qualifications abroad. What are the effective strategies to stop the brainy plus two graduates who can acquire an international education in their native country?

In my perspective, an immutable and politically stable environment inside the country is required to halt the exodus of Nepalese students going to foreign lands for higher education. The government should increase its investment in education sector and provide a wider range of scholarships to the outstanding GPA achievers. Similarly, the available human resources are facing insurmountable difficulties in getting attractive jobs in the country. Therefore, the government should ensure a favorable environment for the students who can play a role of catalysts to bring a herald to academic, social and political milieu in the country. Furthermore, qualified human resources should be placed in the apropos fields of work where they can apply their learned expertise.

As an expert with long experience in the field of engineering, how do you envisage the scope of engineering education in Nepal?

At the present context, there is a high scope of engineering education in Nepal. We need a huge number of civil engineers, electrical engineers, computer engineers, mechanical engineers for making a resilient Nepal. For this, the university and the government should make an appropriate provision to produce a required number of engineers and should be placed in appropriate fields by analyzing their working potentialities. There should be a balance in demand and supply. If human resources are produced in a planned way, the scope of engineering will be amplified.

For quality enhancement, what measures has Hillside College of Engineering taken?

Hillside College of Engineering is working sincerely for the quality enhancement of engineering education. With the view of imparting global education to produce globally capable human resources, it has been connecting the students with other national and international universities. Similarly, we have managed to allocate several fields, cutting-edge laboratories, E-library, and giving our students an access to the central library. Our first batch has shown its outstanding results in both electrical and civil engineering programs. Our team has been working painstakingly to produce quality human resources required for engineering field inside the country and in the global market. For this, we have made targeted goal, strategy and appropriate policies. Our plan, vision and mission are concrete and achievable.



Gopi Krishna Neupane
Managing Director
Hillside College of Engineering

What suggestions would you give to the +2 graduates who have stratospheric potentials in higher studies in their home country?

In my perspective, engineering education is a highly demanded, empirical, job oriented and technical field. In comparison to medical sciences, it is far better in terms of its investment and return. One can be an engineer by spending around 9 to 12 lakh but in medical education one has to spend around six to seven million rupees. Therefore, the engineering education is affordable for average Nepalis, which is demandable across the globe. I strongly suggest the students that if they are able to acquire scholarship privileges they can embark on the medical field; otherwise, they can pursue the engineering education in our college. I undoubtedly express my commitment that our college will definitely solidify your dream at less cumbersome fee structure. I infer that that we help students for their international exposure and they can benefit from our various links with many projects for job placement and internship.

Hillside College of Engineering was established in 2012 by a group of visionary professionals and academicians involved in the field of engineering, science and management with the aim of addressing the higher education needs of the country. The College is affiliated to Purbanchal University and currently offers Bachelor Level courses in Civil Engineering and Electrical Engineering. The main aim behind the college establishment is to produce technically competent engineering graduates. The college has produced first batch of civil engineering with outstanding results.

We deliver assurance of academic excellence through EXCEPTIONAL ENGINEERING tutoring



Bhimsen Giri
Managing Director
Rapti Engineering College, Dang

How do you acknowledge the efforts made by the college for quality enhancement of the students?

Truly speaking, Rapti Engineering College is the leading engineering college of this region in terms of academic excellence. It has been imparting quality education by adopting modern tools and techniques. Recently, we have purchased UTN machine. Furthermore, our college has established information and research centre cell to enhance the quality of students. We are working actively to establish this college as a model college of this region. We are providing guest lectures by inviting well-known personalities from various fields. Similarly, field visit and project work is given high importance. Furthermore, with the view to develop the personality and leadership capacity of our students we have been organizing training and seminars time and again by inviting experts. Our students have achieved gold medals recently due to their outstanding performance. It is the matter of our pride that we are able to dispatch gold medalists.

How do you claim that one should study at Rapti Engineering College?

Rapti Engineering College is an ISO 9001: 2015 certified college. It is an internationally recognized college for its quality in education as well as physical infrastructure. We emphasize on engineering technologies so that our students cannot be deprived of getting rewarding education amid technological marvels.

The faculty members are dedicated, qualified and highly experienced and have expertise in their fields. Our college has been reckoned as an excellent college in Province-5. It has been adopting modern approach in teaching and learning activities. It gives importance and priority to practical education. We organize personality and leadership development training and workshop time and again. Similarly, we have established a WIFI free zone in the college premises. In addition, we guarantee the job placement to graduates. We often organize orientation programs for Public Service Commission by inviting mavens of this field with a view to develop confidence in graduates if they want to enter the government service.

How many students were produced from this college till today and how is their performance?

We have successfully conducted three batches which dispatched as many as 400-500 graduates as of today, who have achieved outstanding results. Most of our products have occupied important positions in Nepal and abroad. They are involved in various job landing sectors whereas some of them have become entrepreneurs. At present, technical department at most of the local levels such as municipality and rural municipality of this area are occupied by our graduates and some work as engineers in many governmental and non- governmental organizations.

What suggestions would you like to give to the +2 science graduates that are in pursuit of engineering education?

Engineering education is a life-changing education. It is the application of knowledge to solve real problems. Engineers figure out how things work and find practical uses for scientific discoveries. It develops skill and knowledge to the students to ensure and shape their better future. It is a professional education which provides lots of job opportunities in national and international markets. Similarly, one can be an entrepreneur and can lead an independent life in the future. Employment and self employment sectors are possible from engineering education. So, I suggest the +2 science graduates to study engineering education for their better future.

Rapti Engineering College was established in Mid-Western Region in 2008AD by a group of dedicated academicians, engineers and IT professionals with the vision of building and developing it as a centre of academic excellence for technical education. It wishes to provide its pupils the latest technological and engineering courses of global standard. Technical education is the demand and necessity of the nation and modern age which truly transforms talents into technocrats.

The courses offered by REC cover a wide range of disciplines like Information Technology (IT), Computer Science, Civil Engineering with Electronics and Communication Engineering. In addition, the college also offers Diploma in Computer Engineering, Civil Sub-overseer, Electrical Sub-overseer and basic survey (Amin) in affiliation with CTEVT, and Bachelor of Computer Application (BCA), Bachelor of Civil Engineering and Bachelor of Electronics and Communication in affiliation with Pokhara University. These courses and programs are offered to meet the need of competent human resources in the region. They are not only useful for the students looking for career growth but also for professionals keen on improving their skills and knowledge in these areas.

PROGRAMS OFFERED



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COLLEGE OF ENGINEERING & MANAGEMENT

(Affiliated to Pokhara University)



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e-mail: info@oxfordcollege.edu.np | <http://www.oxfordcollege.edu.np>

KATHFORD: A learning center for multi-disciplinary aspects of engineering

What are the principal reasons that persuade students to pursue the engineering course at your institution?

There are multiple reasons why students should pursue their engineering degree at Kathford International College of Engineering and Management. First, our students are taught and guided by well-trained faculty members who are experts in their respective fields. Our faculty members do not only help our students with the course and mentor them in their projects but also inspire them to become creative and innovative.

Secondly, our students are provided with an encouraging and inspiring learning environment which goes even beyond the scope of the curriculum. RoboKath, KathFoss, and KathCess are most significant student bodies that engage students in research and development that enhance their knowledge and career. The platform 'Spread Your Knowledge' encourages our students to collect and share knowledge and ideas among colleagues and faculty members. This platform brings out the innovative self out of our students.

Thirdly, our students admire learning resources at Kathford. Our students have an access to a spacious and resourceful library, multiple computer and other engineering labs, high-speed internet for research, tens of thousands of books and magazines, and subscription of many online resources.

Lastly, we ensure that our students are well-prepared and confident to obtain a job and face the challenges of work life after they graduate. We train them with not only technical skills, but also soft skills and personality traits. They have critical thinking ability, confidence to succeed and can-win attitude which help them in interviews.

What remarkable achievements has

your college made so far?

Our students, their achievements, the skills that they develop and the person they become are the most coveted achievements for us. Kathford takes pride of graduating eight batches of computer engineers, civil engineers and electronics engineers, with three batches of each stream studying at the college and one batch joining our fraternity very soon. Our students have won numerous awards in different national level competitions. Besides, the other very important achievement being the results that our students have achieved in IOE final examinations. We are proud of many semester toppers in those examinations among all engineering colleges.

Our graduates have been working at different national and international companies including software companies, telecommunication companies, banks and other financial institutions, government offices, universities and colleges and national and international non-governmental organizations.

'Nowadays, people believe engineering graduates are not easily employable in the market'. What efforts have you made to prove this statement bogus?

I would happily disagree with the statement because none of our engineering graduates are unemployed. As mentioned in the previous answer, the employability of our students is our greatest achievement as well as our most important trait.

We train our students not only with technical skills, but also essential soft skills that help them conquer interviews. We unleash the creative best out of them, which helps them at their jobs. We also provide platforms for our students to come up with ideas, test their ideas, collect feedback and improvise



Dr. Madhusudan Kayastha
Principal
Kathford International College of
Engineering & Management

their ideas, which help them obtain entrepreneurial skills. We feel very proud to see our students starting their own innovative businesses. For an example, few of our final year students are working on revolutionary ideas like 'Digital Hydroponics'.

What is your major breakthrough as chief of this college?

Kathford is an academic institution, therefore, after my appointment as Principal my first target was to improve academic results and learning culture among all stakeholders by creating an effective teaching and learning environment. I have ensured that equal efforts and priorities are given to both theoretical and practical knowledge and personal skills. The major achievements during my tenure that makes me feel proud are recruitment of excellent faculty members; initiation and continuation of regular learning and development activities for the faculty members; focus of soft skills of our students; and the excellent achievements of our students at national-level competitions. I have many happy things to recollect from my tenure.

Established in 2003 and located at the heart of the city of Kathmandu, Kathford gives students access to outstanding faculty and excellent resources. Kathford is one of only a handful colleges affiliated to Tribhuvan University with diverse programs of Engineering and Management. A home to over 1000 students, Kathford has been consistently producing highly competitive graduates and scholars since inception. Currently, it runs BE Computer, BE Civil, BE Electronics, Communication and Information, BBA, and BScSIT, affiliated to TU.

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SPECIAL TALK

Before embarking on the appellation of Kathmandu World School, the school team endeavored to name it as Kathmandu International School; however, in order to get an international accreditation, the school must incorporate at least five foreign students, which was not possible in the beginning. Now, the school team assumes that they will earn international fame because of the provision of a wealth of facilities bestowed on their pupils.

The reason behind the advent of Kathmandu World School in Nepali swathe is worthy of veneration. Elite families of business houses are sending their children to foreign lands for quality education since there are no appealing residential schools in Nepal that meet the globally acclaimed education. With the aim to resolve such problems, Dr. Khagendra Ojha — whose dream was to provide world class education under state-of-the-infrastructure — approached Dr. Rajendra Kumar

Ghising for a big project. So, both of them ventured into the establishment of Kathmandu World School, which is known for its phenomenal academic benchmarks. Kathmandu World School is a semi-residential school that meets international standard and ensures quality of education for the pupils aged 5-19. It is located at Surya Binayak-7, Gundu, Bhaktapur, a serene location, conducive to creating a unique learning environment. Now the school offers classes from one to five and grade eleven.

Having gained a hands-on experience in administration and academic part at GEMS in 24 years, Dr. Ghising is preparing to crystallize his dream and usher it in most sought study destination for the students of South Asia. The key strengths of the provision of world-class education have been identified by Dr. Khagendra Prasad Ojha, a prominent educationist, and the entailment of Chaudhary Group has made this

project more significant and attainable. Therefore, Dr. Ghising is optimistic that his mission will be fulfilled. The infrastructure of the school occupies a swathe of 2.80 hectares (55 ropanies), engulfed by exquisite natural landscapes. The school is bordered by lush green forested areas on the north, east and south and local domes on the west of the school. The first phase of construction has been completed; however, the entire project is tentatively scheduled to attain completion by February 2019. The school will have a total capacity of 1,200 students and pledge a facility of accommodation for 400 students once the school becomes fully operational. Mr. Ghising says this is the school of its kind to emerge in Nepal with such a huge investment of around 2.75 billion of rupees. A scholar who spent a significant number of years in the academic sphere shares his existing modus operandi and further plans with College Readers. Excerpts:

KATHMANDU WORLD SCHOOL

prepares students to embrace life-changing education

DR. RAJENDRA KUMAR GHISING
Chief Executive/Director
Kathmandu World School, Bhaktapur



Would you please highlight the curricula the school offers?

We deliver the national curricula for the pupils from classes 1-12. They get engaged in a range of learning processes of International Primary Curriculum (IPC) and International Middle Year Curriculum (IMYC), which are part of International Baccalaureate (IB). Before we embarked on this initiation, it was implemented by Ullens School in Kathmandu. Apart from teaching pedagogy, we prepare our pupils to be adaptable, intelligent, confident, and determined with good communication skills.

In addition, we are intending to introduce Cambridge University courses in A Level from the next academic year, which are validated in 160 countries across the globe. Nevertheless, we help our pupils adapt to international approaches to acquire national curricula.

How do you acknowledge your efforts which underpin the academic benchmarks of your academy that completely differ from its contemporaries?

Along with interactive classroom activities, we prioritize extra-curricular activities as well. Our unique infrastructure incorporates separate sections for a range of academic activities. The school embodies a multi-purpose court for basketball game and a total of 18 rooms for drama, dance and music classes. This multi-purpose court imbibes gymnastics, karate and judo. We deliver a unique experience to our pupils entailing them in piano, guitar and drum classes, too. We facilitate safety lockers and changing rooms assuming children's safety in account. I believe we offer our pupils world-class facilities which are rare privileges in other institutions.

Kathmandu World School not only conducts a range of extra-curricular activities throughout the year it also promotes life-changing skills, personality

development and leadership skills amid our pupils. We get them to participate in communicative activities and stage performances (plays) since we believe that they should be articulate and engaged in a deluge of activities.

Who are your target parents?

Mostly medium-class, rich-class and elite groups are our target parents, who have been spending extortionate amount of money in foreign lands. Most of them send their offspring to India for quality education although it is possible in our native land where each parent has to spend a minimum of around one and a half million Indian currency annually, which can be diminished to one-thirds of their spending in Nepal. Moreover, there are many diplomats working in Kathmandu Valley that become dilemmatic when it comes to choose a good school for their children. So, we are committed to providing their children a life-changing experience, one which gives them the best possible opportunity to succeed in their future endeavors.

How do you manage the teaching human resources for the school?

Most of our tutors are from Nepal. There are no such crises of teachers in Nepal who cannot deliver world-class education. They just have to implement effective teaching delivery in the classroom. Therefore, our teachers get exciting and highly effective training from the professors of foreign universities. Our training enrichment prevails twice a year; one which we already conducted in the beginning of the session and the other will be held in the middle of this academic year. The first year training was conducted for 15 days that rendered our teachers effective and convincing teaching of global pedagogies. Basically, the training is based on digitized teaching, involvement of ICT in classroom and convincing guidelines to the pupils to ensure stimulating and interactive learning process.

Could you possibly give an account of financial proportion including tuition fees? I always insist on the fact that our academy is world-class; therefore, it's is obvious that the tuition fees of our pupils is relatively higher than that of ordinary institutions. For an instance, monthly tuition fees of students from Grades one to five is NPR 35,000.00. And each of our classrooms embodies only 24-26 pupils. Furthermore, we facilitate a hostel that resembles a two star hostel.

How much budget have you allocated for this project?

Our surmise adheres to the spending of NPR 2.75 billion by the end of the project; however, it was estimated that we would complete it with a budget of two billion rupees.

Could you possibly describe the efforts of Kathmandu World School that resulted in introducing +2 education?

We have introduced Grade eleven in Science and Management streams this year. We focus on experiential learning and urge our students to spend longer hours in laboratory experiments by watching videos, which makes them easier to be independent learners. Our trained team of teachers with intense experience shows their prodigious tutoring encompassing global issues. We frequently train those teachers so that they can escalate their tutoring quality and usher the understanding level of their pupils in greater heights.

Do you envisage introducing any new courses in the future?

A level program, which has been recognized by 160 countries worldwide, will be commenced next year. We will also introduce IPDP if government approves our proposal. Moreover, our prime focus also adheres to the development of ultra-modern infrastructures.



IT education

Prospects and Opportunities



One of the baffling periods in student life is after plus two, but I am pretty clear about my career. There are many reasons why I chose IT, which I will discuss in this article.

I want to excel in web development along with cybersecurity. I started teaching myself basics of coding (C++, which is one of the popular programming languages) when I was in grade 11. I studied +2 as a student of the physical group for I had to take computer science. Computer subject in grade 11 was quite easy for me as I had been taking computer classes since grade four. I was taught HTML in grade 11 and I learned CSS, Javascript and more about web technology on my own from youtube tutorials and 'solo learn' app. As I wanted to get into computer-related stuffs, I had to choose between computer engineering and CsIT (Computer Science and Information Technology) to study in Nepal under the supervision of Tribhuvan University. Eventually I decided to embark on CsIT after searching and comparing these two courses on the Internet.

Nowadays, every person talks about IT. One can get into this field easily because of its easy accessibility. Even without a degree, one can land a job in a big software company. People

with IT background are considered to have a highly paid employees and it satisfies them in their workplace. This field enables even a single man to change the world. We can consider prototypes of Bill Gates (Microsoft), Mark Zuckerberg (Facebook), Dennis Ritchie (C programming language), Tim Berners Lee (founder of the Internet) to inspire ourselves. Even the list of world's billionaires is dominated by these IT people. In the IT field, one can earn a good deal of money and change the world simultaneously; what's more you need than this privilege. You can have a high income in this field. Therefore, IT is really a huge field with lots of opportunities. Computers gain popularity after a successful moon landing and the introduction of the Internet to the public. For me, I choose this field because I want to bring about changes in people's lives and earn commercial boost commensurately. That's why I want to get into this bombastic field academically. I have listed reasons as follows.

The first reason I want to list is privacy. We hear about hacking of data on the internet. Even Facebook is not safe in the case of privacy. It's selling our information to the government or other third parties for the sake of money. Facebook and Google are tracking our each and every action for advertising. We



Gaurav Pandey

don't need to worry if we have nothing to hide I hate this system, though. I want to be safe and make people aware of it. I want to learn how I can be safe. After reading such articles and blog posts, I feel uncomfortable on the Internet. I want to know more about such ridiculous acts of big companies and I want to get into this field.

Another thing is to make my and others' life easy. Being a citizen of an under developed country, I can't afford some paid services of the Internet. I am coerced to use pirated software with high risks. It's okay to pay for big software, some are worthy, though. But there are some so simple services that do not deserve that much money. So I believe being in this field I can make that software and make them available for free for students like me in the future. Also, I would be able to develop some mobile apps or websites to make my own life easy. I can develop a range of applications to sharp my skills. Nepal is lagging behind the development in IT sector while comparing to other countries because of a lack of IT personnel. That's why there are lots of possibilities in this sector. Everything is going digital. More people are gaining access to computers and smartphones day by day. Even Prime Minister, along with other ministers and mayors, is talking about a digital and smart city

which will herald more possibilities in this sector. There are lots of pending projects in Nepal worth millions rupees. Even brain drain increases the chance of becoming successful for those who decide not to leave their country. Living in Nepal and being in the IT field, I want to do lots of things to improve the condition of Nepal and contribute something to my country.

Similarly, another reason is passive income. Think of earning some money without doing anything. "If you don't find a way to earn money while sleeping you will have to work till your death" this saying has been instilled in my mind since I came to realize this fact. This is absolutely possible in the IT field. You create software and give it for free and monetize it and it will start generating some revenue. Doesn't it sound cool? If you are able to make really good software you can earn while sleeping, while eating, while walking and even while traveling.

The ultimate reason of mine embarking on this field is a remote job. IT jobs can be completely done even living in distance. Geographical anomalies have nothing to do with our success in IT sector. You can work from your home; you don't have to leave your home for your job. It will buy you more time

and you can invest more time on your personal project.

Moreover, another reason is rewards for the research. I have read several blog posts and medium articles of a person being awarded with some money for finding some vulnerability in websites and software. There are also some sites organizing some online competitions for developers. You get paid for exaggerating your skills which is a bonus point for this field. I really love this system.

Besides these factors, there are also reasons why IT is rewarding. IT companies are inviting and convincing. Your ultimate friend will be a computer. Software engineers and developers are respected world-wide. You and your family will be digitally safe. Steve Jobs said, "Every person in this country should learn how to code because it teaches how to think". It can bring about some sorts of change in thinking and boost problem-solving skills.

To recapitulate all, I want to be boss of my own life. I don't want to work in a decent dress; I am okay in my jeans and t-shirts. I want to work for myself and contribute something to my country. Furthermore, a startup of this field doesn't need a huge investment; what you need is skill and time. So, I have found IT field life-changing.



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MANAGEMENT EDUCATION

Most preferred course amidst students



Ram Hari Silwal

The quality of higher education is going downhill; however, no one ponders the emasculating effect of teaching and learning activities. The Government's education policy is looming over confusions, but it is scarcely seeking a gateway to effective implementation of such policy. The government should be serious about this issue, which is not easy to get rid of. If such problem persists more it will eventually ruin our higher education system.

There is a plethora of ways to solve this growing problem. Since there are many wise and stalwart people in the education ministry, we have to get benefits from their expertise. In addition, most colleges are commercialized and education delivery is taken as a lucrative business, which eventually sabotages our education impartation. If the education sector is regarded as the business for generating money, it would be difficult to

acquire a job in global market. So, the government must address these issues seriously.

The plus two courses (Grades eleven and twelve) are the underpinning curricula that bolster the foundation of effective learning whereas the bachelor's level courses are specialized ones that enable learners to embark on real careers. Before joining any bachelor level courses, students should consider their career choices in a professional way. They must know what they want to become in the future. Therefore, the faculty choice plays a vital role that eventually gives the rewarding upshots to each learner's decision. We can take examples of many students who lament in hindsight after they succumb to their inefficiency to succeed. Later, they become obliged to completely switch their faculty which heavily affects their professional careers.

The scope of every subject is equal as long as each learner considers it a ladder of success; however its drawbacks cannot be ignored, too. It needs dedication, commitment, hard work and willingness to attain a success. The management education is both job-oriented and self employed. The management graduates are employable in global market. In addition, its importance from a small business to big house is increasing in the course of time. This could be true management education is a requisite to live an individual life in a systematic way, for it teaches how to ensure equilibrium between official work and personal life. Therefore, management education is necessary for every field. For instance, a doctor needs management education to run a hospital and private life simultaneously in a more balanced and successful way. On the contrary, the country is undergoing insurmountable problems due to lack of management knowledge in our leaders.

Most universities in Nepal: Tribhuvan University, Pokhara University,

Kathmandu University, Purbanchal University, Mid-Western University and Far-Western University offer an array of courses in Management such as BBS, BBA, BBM, BBA-BI, BHM and so on, which are boons to the learners to acquire and implement such skills in their careers effectively. The subject choice in management is also a key factor that enhances learning efficiency of each learner. The attraction of BBA amidst a large mass of students still prevails and it has proved to be most preferred faculty by the students. There are a number of private management colleges in Nepal that have been established with huge investments and good infrastructure for imparting quality deliverance of management education. To highlight some phenomenal institutions for management education, the list incorporates Ace Institute of Management, Apex, Uniglobe and White House College, which are popular amidst myriads students for BBA and MBA programs whereas Global College, Himalya College, GoldenGate International College, Jaya College, Ed-Mark College, etc are famous for imparting BBS programs.

Management students show their exposure through field visit, project work, case study, presentation work, seminar, conference facilitated by the college. The college that provides such facilities to the students, which has a catalytic role to transform an ordinary life into the professional one, is definitely considered to be an outstanding learning center. Therefore, to explore a wealth of opportunities through management education, it is not necessary to go to foreign lands now since a large number of colleges in Nepal have shown their jaw-dropping performances enabling each learner to achieve their high potentials globally.

The writer is Secretary of Central Executive Committee of HISSAN, founder principal of Himalya School & College and Chief-editor of College Readers magazine.

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IT IS CONGLOMERATION of application development and research

CCON is the organization of 53 colleges offering BScCSIT programme under the affiliation of TU from all over the country.

BSc. CsIT (Bachelor of Science in Computer Science and Information Technology) is considered to be one of the five star IT courses that one can get in Nepal. It mainly focuses on theory, research and application of computers and technology while other courses focus on application only. CSIT is the blend of application and research. This organization unites all the CSIT colleges of Nepal. It organizes different seminars, training development, workshops and technical talks. Its main role is to upgrade Nepal IT sector in general and academic IT sector in particular. It aids in the development of IT faculty and invites experts in different talk shows. It suggests TU about updating CSIT course if necessary. The main purpose of this organization is to adorn CSIT course and to produce skilled students and to empower respective colleges.

Bheshraj Pokharel, CEO of Texas Education Network, is the general secretary of CIST College Organization Nepal (C-CON). The CCON is helping to provide a more pragmatic education required to make students more comfortable in their future career. He shared his view with College Readers. Excerpts:



What scope do you see in IT education in Nepal?

Some years back, there was only one concept of making a child doctor or engineer on Nepalese parents' mind. But nowadays, because of growing importance of technology students and parents are aware of its needs in the future. Most students want to become a software engineer, system analyst, cyber security expert, data scientist and web developer. And somehow we are also responsible for such impact on parents and students.

Prime minister, along with mayors, is talking about smart city time and again. Among prerequisites required, IT technicians are mandatory. To make smart city digital, we need to produce skilled software engineers and IT technicians. It has a wide scope.

Could you explain about cyber security?

Everyone needs to be aware of cyber security. It covers from as simple from posting to Facebook to advanced hacking. We make students aware with the help of teacher of respective colleges about cyber security. In addition, CCON also organizes workshop, seminars, and talks related to cyber security. There is saying "prevention is better than cure". We teach our students from the very beginning of their phase. We teach them

what to post on Facebook to advanced kinds of stuff related to cyber security.

What should Nepal do to progress in the IT field?

We can't compare our country with other countries like China, India etc in case of hardware but we can in case of software and data. We can influence researchers to research more, developers to develop more softwares. Besides this, we can establish more software companies with private-government collaboration which can prepare a post-university job for students. IT is a big field. We can train our own students more effectively. We can give more practical education to students. There is a huge possibility in the IT field. Also the government should raise public awareness to abate cyber crimes as guardian.

How is TEXAS COLLEGE contributing to IT field?

None of our graduated are jobless. Everyone has a job. We help our students to get a job in various companies. We have two hours of professional course every day from 5 AM to 8 PM to enhance their pragmatic education. We mainly focus on research of students and their practical exposure. We have collaborated with various tech companies to provide our students with internship and mentorship.

Why TEXAS INT'L COLLEGE for BSc. CsIT?

There are mainly two reasons. First one is for pragmatic education and the second one is for good paying job after education. Here, we ensure a good career of our students even after the completion of their course as well.

What are the challenges in the IT field?

Brain drain is the major problem. Most students dream of going abroad after their graduation. Technology can take over students and their interest decreases in their studies. For software development it takes time, but students lack patience. The government should manage even one park in an effective way. Colleges can't just finish the syllabus. They should prepare each and every student to be adroit

Your message to students planning to join BSc.CsIT.

One and only message of mine and blessing to students during this festival season is: be a techno savvy, learn more about IT and contribute to your country.

Here at Texas, we offer three different IT related courses: BIT, B.Sc. Cyber Security and BSc.CsIT. If you choose Texas, I can ensure that you will be transformed into an adept human resource that will eventually help you to land in your dream job in the IT field.

*PROPOSED

Enriching global education with IT



Sandip Shrestha
Principal
Samriddhi College, Bhaktapur

What are the distinguished features of your college that are rare in other colleges?

Samriddhi College is a nascent academic institution in Bhaktapur with its distinct identity and features. It is run by a team of academic maestros and professionals. It offers high-quality education equal to the most renowned institutions worldwide. Samriddhi provides its students with an expanded curriculum, including enhanced classes in oral and written communication, public speaking, specialized IT and business instruction, personality development, global studies, field work, extensive internships, and much more. It is rich in physical infrastructure with spacious classrooms and playgrounds. It applies modern tools and technologies in teaching and learning activities. The teaching faculties of this college are qualified, active and long experienced in their fields.

How many graduates have you dispatched from this college so far, and how do you acknowledge their performances in global economy?

This college was established in 2013 AD. We have produced first batch of B.ScCSIT and BBS. This college has so far graduated 36 students in B.ScCSIT. Among them, 21 students are involved in a range of software industries in Nepal. Ten students are preparing to join foreign universities for higher studies and the rest are entrepreneurs. Similarly, the BBS graduates have also demonstrated their outstanding performances in job landing sectors and further studies. Truly speaking, the performance of pass graduates is jaw-dropping both in their results and job landing sectors.

There is an increasing trend of IT education at present in Nepal, how do you analyze it? In your opinion, how is the scope of information technology now?

We are living in the 21st century, which is the age of information and technology. Information and technology has brought about dramatic changes in the world. It has made the world a global village which is approachable by most people. The demand of IT technologists is very huge worldwide. The human resource relating to this field is saleable in the world market. There is a huge scope of this sector. Besides its own sector, it is needed in all sectors such as medical sector, management sector, banking sector and so on. So, the growing demand of human resource linked into IT technology globally has increased the trend of IT education at present in Nepal and in the foreign countries. In my view, IT has wide range of demands not only in Nepal but also in the world.

Do you think that your college is capable in producing adept human resource required for both domestic and global markets?

Of course, our college is fully capable to produce human resources as per the market requisites. The management team members of this college are experts in their related field who have connection with different universities and like-minded companies. Since we have clear vision, mission and strategy to meet the demand of the market, I claim that our college is capable to produce human resources that can fit every nook and corner of the world.

Most plus two graduates still seem dilemmatic about pursuing their higher education in Nepal? How can this confusion be transformed into explicit information?

In my opinion, IT course and the management course are affordable for average Nepali people in terms of their income and spending capacity. At present, IT and management courses are inchoate syllabuses which have a wide range of scopes in the global market. So, I suggest the students to enroll in our college for IT and management study without any confusion to ensure their future. While choosing college, students should analyze its team of founders, academic environment and teaching faculties available there as well as physical infrastructure. Samriddhi College meets all those criteria. Hence, I express my commitment to the students who want to admit in our college that we are always eager to make your career.

Samriddhi College, established in 2013 AD, is the first college in Bhaktapur to offer BScCSIT program. It has been running BScCSIT, BBS and BSW programs, affiliated to TU. The approach of Samriddhi to educational excellence is deeply rooted in the belief that students need to have both character and credentials to lead successful lives and play roles of good citizens contributing to greater good of the society. This explains the holistic approach the college embraces in carrying out its academic activities and engaging with its key constituents – students, parents and community at large. Its academic portfolio spans a range of domains including Information and Communications technologies (ICT), business studies and social-work.

Mountain Tourism program showers wealth of opportunities on learners

Could you specify what type of program is incorporated in the curriculum of Mountain Tourism Management?

Mountain tourism management is totally a new program launched in the context of Nepali education system. It is the specialized program of tourism. Under this program, various courses such as adventure tourism, tourism management, geographical tourism, hospitality and climate study etc are taught. It produces skilled human resources and broadens the scope of tourism in Nepal. The students will study about the prosperity of development of tourism in various sectors of Nepal since Nepal is a fertile land for recreational activities of tourists. The course is totally empirical and requires frequent field visits for research.

How did you develop this new concept?

It is a rewarding program for learners who want to secure their careers in Mountaineering and Tourism, which was introduced by the intellectuals. When we brought about this concept, we made multi-dimensional discussions and shared our views amid the experts of various vocations. We have established academic camaraderie with various national and international universities along with some companies that promote tourism across the globe. After a wide range of interaction sessions with the experts of this field, we developed the curricula in order to promote touristic activities in Nepal.

Is there any provision of internship in this course?

Of course, mountain tourism is a hands-on program which requires frequent visits to different fields and companies. Each semester course enables learners to go to the field visits whereas the eighth semester curriculum requires complete

field visits. So, we believe when our students meet people and products in the field they will explore a plethora of aspects of tourism including its feasibility of promotion, challenges and solutions. The students will gain the real experience from their field visit.

What is the required qualification for Mountain Tourism Management studies?

There are some basic criteria which are to be strictly fulfilled by the students to join this course. They should pass +2 level with at least grade 'C' in each subject. However, marking system education is assessed in terms of percentage in which the candidate should attain intermediate or +2 level at least in second division.

In your view, how is the scope of mountain tourism management course in Nepal?

Since Nepal has a high scope in the tourism sector, it has myriads prospects and opportunities to earn foreign revenue. Our graduates are skilled enough in tourism sector that can generate award-winning livelihood staying in their mother land. As we know Nepal is a diverse country in terms of its natural and cultural diversities, there is mystique in every culture, climate, vegetation, site-seeing and many more sectors. In recent days, the trend of attracting domestic tourists is increasing significantly. Similarly, the foreigners are not only eager to traverse Nepali swathes to have the test of such mystique objects, things and nature but also they drool to have leisurely pursuits in the lap of mystical mountains and hills. Therefore, Nepal can make a giant leap in revenue generation through mountaineering tourism.



Biranji Gautam
Principal
Janapriya Multiple Campus,
Pokhara

Could you possibly illustrate your further plans that would embody a large mass of pupils in this program?

At present, there are 25 seats in mountain tourism management, but we are planning to increase quotas to produce more skilled human resources in tourism sector. For this, we are planning to avail all pre-requisites of the tourism education.

What suggestions would you like to give to the +2 graduates?

First of all, I would like to extend my heartiest congratulations to the +2 graduates for their marvelous achievements. You have opened a gateway to enter into the higher education. So, I suggest you to choose a right college and right course for your award-winning future. Undoubtedly, there is a high demand of skilled and technical human resources in Nepal; therefore, I suggest all the +2 graduates to acquire life-changing education. I heartily welcome those hopefuls to our college to experience a different taste of education. We are committed to imparting quality education that will eventually transform you into successful maestros.

Janapriya Multiple Campus was established in 2048 BS by local social workers with the view to impart quality education at local level that meets the need of local students and guardians. This college is probably the first college to launch BBA programs beyond the Kathmandu Valley. Currently, the college is running BBA, BBS, BA, BSc. Microbiology, B.Ed., MBS, BMTM and MA in English and Sociology affiliated to Tribhuvan University. The college has developed syllabi and curricula of Bachelor in Mountain Tourism, which was introduced last year.

ACADEMIC PROGRAMS

B.SC. MICROBIOLOGY

BBS | B.Ed. | BA | BBA | BMTM
MBS | MA in English & Sociology



JANAPRIYA MULTIPLE CAMPUS

Janapriya Marga, Pokhara-8, Kaski

Tel: 063-420934

Fax: 061-522287

E-mail: info@janapriya.edu.np

URL: www.janapriya.edu.np



आयो नून खाउँ स्वस्थ रहौं



गाउँसम्म आयो नून यसले लगायो धेरै गुण

आयोडिनको कमीबाट हुने विकृतिहरू:

1. गर्भ तुहिनै, मृत शिशु जन्मिने, अझ भइ भएको शिशु जन्मिने, जन्मेको शिशु चाँडै मर्न सक्ने ।
2. बच्चाहरू बहिरा, लाटा, लठेउरा, वामपुड्के, डेडो आदि हुन सक्ने ।
3. पढाइमा कमजोर भई पटक पटक फेल हुनुको साथै खेलकुदमा समेत पछाडि पर्नसक्ने ।
4. गलगाँडि आउने, सुस्तमनस्थिति हुने ।
5. आयोडिनको कमीले I.Q. Level कम हुने ।
6. आयोडिनको कमी भएमा मानिसहरूमा आनस्यपन आउने, काम गर्ने क्षमतामा कमी आउने ।
7. आयोडिनको कमीबाट गाईवस्तुले दुध कम दिने ।

दुई बालबालिका
चिन्ह अंकित आयोडिनयुक्त
पाकेटका नून सधै
प्रयोग गर्नुहोस् ।

आयोडिनको कमीबाट हुने विकृतिहरू उपचार गरेर हटाउन सकिदैन । त्यस्ता विकृति आउन नदिन एकमात्र उपाय आजै देखि आयोडिनयुक्त दुई बालबालिकाको चिन्ह अंकित पाकेटको नून मात्र प्रयोग गरौं ।



नेपाल-भारत सहयोग

नेपाल सरकार तथा भारत सरकारको

आयोडिनको कमीबाट हुने विकृति निवारण योजना

साल्ट ट्रेडिङ कर्पोरेशन लिमिटेड

संजीव कामन्धरु : कालिमाटी, काठमाडौं, नेपाल



साल्ट ट्रेडिङ कर्पोरेशन लिमिटेड

केन्द्रीय कार्यालय: पो.ब.नं. : ४८२, कालिमाटी, काठमाडौं, नेपाल, फोन नं. : ४२७०३१५
४२७१०१४, ४२७१२०८, फ्याक्स नं. : ९७७-१-४२७१७०४, ४२७१३९५

PRESIDENCY

COLLEGE OF MANAGEMENT SCIENCES

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PROGRAMS OFFERED

+2
MANAGEMENT

BBA

MBA

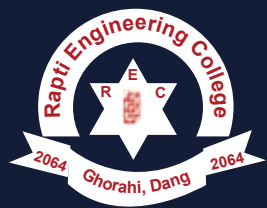
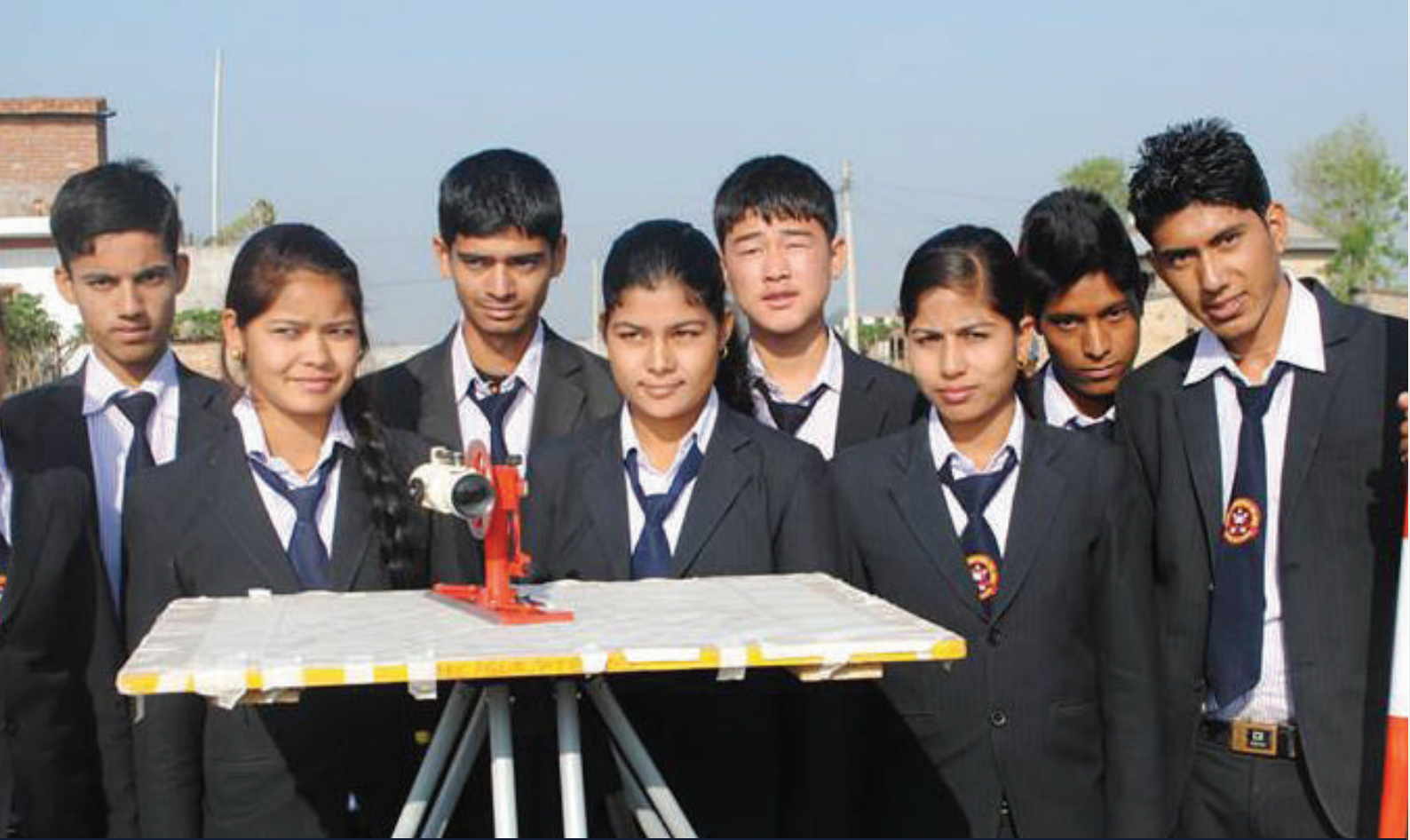
WHY PRESIDENCY ?

- World class learning environment
- Support from experienced core faculty members
- Research orientation and paper presentation
- Continuous learning from prevailing business environment and corporate leadership
- Technology enabled teaching and learning
- Competitive and collaborative spirit
- Continuous improvement of processes and systems
- Focus on management learning & lifelong learning
- Exposure to national & international seminars.
- Holistic personality grooming through specialized classes
- Language lab. for strengthening communication skills
- Emphasis on team work & commitment for success
- Learning through mentor-mentee system, case based learning, small team interaction, project groups and involvement in specialized clubs
- Placement Cell and training for better employability

PRESIDENCY
COLLEGE OF MANAGEMENT SCIENCES

Address: Bharatpur, Chitwan
Email: contact@pcms.edu.np

For More Details
+977-056-524278



RAPTI Engineering College

An ISO 9001:2008 Certified College

(Affiliated to Pokhara University & CTEVT)

COURSE OFFERED

B.E. Civil

B.E. Electronic & Communication

Bachelor of Computer Application

Diploma in Computer Engineering

Amin, Civil & Electrical Sub-overseer

Ghorahi-1, Saniambapur, Sarra, Dang
E-mail: info@rec.edu.np, recm_dang@yahoo.com
URL: www.rec.edu.np



082-562601, 695271

Presidency College of Management Sciences, affiliated to Purbanchal University and National Examinations Board, is a Business school which was established in 2056 BS in Bharatpur, Chitwan. It is administered by a team of young, energetic and highly qualified personalities of various fields. It offers plus two program in management stream along with BBA and MBA programs in the same premises. Presidency College is an educational center for management courses which enables its learners to unveil their jaw-dropping performances as professional managers in their careers.

All the colleges under the University provide the same curricula following its rules and regulations. In such a case, most colleges are identical with each other, but our college has some distinguished features which are rare in other colleges. With the view to impart world-class education, we have interlinked our educational system with foreign colleges and universities, we,

therefore, exchange our academic norms and values with each other. Similarly, we have made a provision of employing our graduates at local and national companies.

We have been conducting experience certification training events for our students to make them experience in their field by collaborating with various like-minded companies by inviting experts of related fields. Our results are outstanding and praiseworthy amid the colleges of Purbanchal University since we secure 80 to 90% of pass results every year. Similarly, our eye-catching infrastructures with modern equipment and tools give our students a unique experience of learning. The school infrastructure imbibes spacious classrooms with air cooling system and a seminar hall that has a capacity of occupying more than 200 students at a time.

In my opinion, in order to run a college successfully, it requires strong commitment and devotion of the

investors. Team work is a requisite for discussion, planning, strategies building and finally implementation of discussed ideas. Similarly, strong physical infrastructure and qualified human resources are essential. Moreover, the public faith on the management team is a must to succeed in deliverance of satisfactory education. We are content that we meet all these requisites that are reflected in our exceptional tutoring.

At present, we are in the state of confusion concerning the rights of private education after the restructure of the nation. So, we are waiting for the education policy of the provincial and federal governments. Subsequently, we will adopt our strategy by studying the policies and perspective of the government towards private education sector. Now, we are showing our utmost efforts to dispatch qualified skilled human resources to meet the demand of domestic and global markets. Presidency College does not leave any stone unturned, which would eventually be a milestone in drastic academic reforms

Global educational annexes regard academic reformation



SHAMBHU CHHETRI
Founder Principal
Presidency College of Management
Sciences

Admission Open

BE PROGRAMS

Bachelor Courses on

Civil Engineering

Information Technology (BEIT)

Computer Engineering

Electronics & Comm. Engineering

B. Arch (Architecture Engineering)

Bio Group can also apply

BBA

Bachelor of Business Administration

Scholarships

1. Full Scholarship:

As per Pokhara University's norms & standards.

2. Limited scholarships based on:

• Merit • Female / Dalit / Under privileged areas.

3. Semester wise performance based scholarships.

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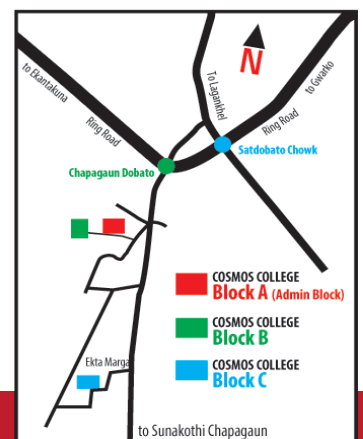
Affiliated to Pokhara University

Tutepani (near Satdobato), Lalitpur, Nepal

Tel.: 5151411, 5151704, 5151419, 2151806

e-mail: info@cosmoscollege.edu.np

www.cosmoscollege.edu.np



... where excellence is more a norm than an exception

School of Management

Graduate Program:

Master of Business Administration (MBA)
Executive Masters of Business Administration (EMBA)

Undergraduate Program:

Bachelor of Business Administration (BBA)
Bachelor of Hotel Management (BHM)
Bachelor in Liberal Arts and Sciences (BLAS)

School of Science and Technology

Bachelor of Civil Engineering
Bachelor of Computer Engineering
Bachelor of Electronics & Communication Engineering
Bachelor of Information Technology
Bachelor of Technology in Bio Technology

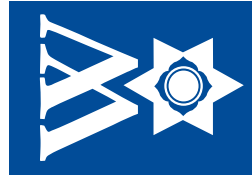


School of Management

New Baneshwor, Kathmandu
Phone: 01-4466531 / 32, Fax: 4466533

School of Science & Technology

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