

Kantipur Engineering College Affiliated TO TRIBHUVAN UNIVERSITY

CIVIL

COMPUTER

ELECTRONICS & COMMUNICATION

www.**kec**.edu.np



Offering **Quality Engineering Education**for Last





PRINCIPAL'S MESSAGE

17 YEARS OF OUR JOURNEY IN PURSUIT OF QUALITY ENGINEERING EDUCATION HAS YIELDED 35 BATCHES OF ENGINEERS IN CIVIL, COMPUTER AND ELECTRONICS & COMMUNICATION ENGINEERING WHO HAVE EMBARKED ON THEIR SUCCESSFUL CAREER IN NEPAL AND ABROAD. ADEQUATE INFRASTRUCTURE, HIGHLY QUALIFIED FACULTY AND LOTS OF SUCCESS STORIES HAVE MADE KANTIPUR ENGINEERING COLLEGE A TRULY PREMIER ENGINEERING COLLEGE.

We continue empowering our students through intensive professional training programs besides academic programs prescribed by IOE. We have been successful in leveraging our international linkages and projects (cLINK, FUSION, SmartLink, and others) for the benefit of the students. We hope this will allow us to better prepare our students to cope up with the challenges in today's competitive job markets. Recently, we have commenced classes in the newly built academic block in our premises. A step forward in infrastructure development of the college!!!

We would be delighted to welcome all the students to our KEC family. We want to assure our students

of our continuous commitment towards quality and excellence in education to make the learning at KEC meaningful and rewarding. We, as KEC family, have emerged stronger, better prepared and safer after the vertigo of recent earthquakes. So we call all the aspiring students and the guardians to make a right choice and join our hands to ensure engineering study in an environment just suited for it!

ER. RAMESHWAR RIJAL



Established in 1998 with the basic objective of creating an excellent platform in the engineering studies in Nepal, Kantipur Engineering College is at present one of the premier enineering institutes in the country. Well equipped with state-of-the-art facilities at its own complex at Dhapakhel, Lalitpur, and efficiently managed by the professional faculty and staff, KEC is committed to meet every challenge for providing exemplary education in several disciplines of engineering. Presently, KEC is conducting BE programs in Civil, Computer and Electronics & Communication Engineering under the guidelines of Institute of Engineering (IOE), T.U. The college is fully aware and committed to the development of further engineering programs in future. Programs for running B.E. in Electrical Engineering and Bachelor in Architecture are in pipeline.





VISION

Develop the college as a center of excellence for engineering education in Nepal and South-East Asia.

MISSION

Serve the people of Nepal in order to enhance the infrastructure development of the country by imparting quality engineering education, carrying applied research and producing competent engineering manpower.

SPECIAL FEATURES

- » Earthquake resistant infrastructures
- » Peaceful and pollution free environment
- » Well equipped laboratories and workshops
- » Service of qualified and dedicated teachers
- » Library with sufficient books and reference materials
- » Supplementary classes for the weak students
- » Subsidized transportation facility
- » Internet & Wi-Fi facility, separate project-rooms
- » Research and training facility
- » International linkages

OBJECTIVES

KEC has been established with the primary objectives to:

- » Produce proficient, qualified and socially responsible engineering manpower required to face the challenges of the country in the new millennium.
- » Develop the college as a research and resource center so as to initiate research activities to strengthen engineering potentialities and to solve problems related to area of engineering in the country.
- » Provide opportunities to the citizens of Nepal willing to get engineering education in different fields at an affordable cost.
- » Launch different programs to integrate educational and developmental activities.
- » Serve as a sustained center for imparting engineering education so as to update and upgrade the existing engineering manpower.



FROM THE DESK OF



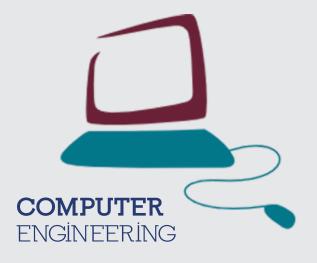
The department offers Science and Humanities courses namely Physics, Chemistry, Mathematics, Communication English and Mechanical related subjects as prescribed by the curriculum of IOE, TU. These courses are the bridging and building blocks for the first year students to adjust and orient them into the core engineering courses. By revising the core subjects of high schools, students will be more competent, confident, accommodative and result oriented which have been reflected in the semester result of the first year students in each consecutive year. The competent, assiduous, talented and experienced team of our department has also a paramount role to ignite the inner talents of our valued students from diverse backgrounds. Therefore, the Department of Engineering Science and Humanities has a key role to bridge the students of various needs and talents because of their initial engagement with this department in the first year. Finally, the success history of our department concerning academic excellence of the students has made us more committed to bring positive results with the collective and constructive role of both faculty members and students. Finally, we are eagerly waiting to welcome the new comers to the college.

MR. MAHA DATTA PAUDEL

HOD, Department of Engineering Science and Humanities

ELECTRONICS & COMMUNICATION FNGINFFRING

Bachelor program in Electronics & Communication
Engineering was started in KEC in the year 2002. This is a fouryear bachelor's degree program. In the program, 55 subjects
are offered in eight semesters and the students have to pass
through many lectures, laboratory exercises and site visits.
Experienced and qualified faculty provide the students with
theoretical as well as practical knowledge of the subjects
with latest developments in information technology and
electronics engineering through special lectures by experts
and reputed scholars. Since all the programs are being run
with affiliation to TU, the college follows the course prepared
by Institute of Engineering for these programs. Academic
quality and other matters of the program are controlled
and guided by the University. TU awards certificates to the
students after they complete the program successfully.



Bachelor program in Computer Engineering was started in KEC in the year 2000 with an aim to make the students acquaint with the latest development in Information Technology and Computer Engineering. This too is a four-year bachelor's degree program. In this program, 55 subjects are offered in eight semesters. Students in this program pass through many lectures, laboratory exercises and site visits. Experienced and qualified faculties are involved in this programme along with special lectures by experts and reputed scholars.







FROM THE DESK OF

HOD

Department of Computer and Electronics Engineering extends a warm welcome to our newly admitted students. Ours is a dynamic team of highly qualified, talented and experienced teachers with international exposure and real zeal to impart quality education. Besides running the syllabus prescribed by IOE, TU, we are committed to overall development of the students to cope up with the challenges in the future. We especially offer extensive programs of trainings, field visits, projects, guest lectures, seminars, technical exhibition, competitions, etc. to our students.

KEC has been forging various international linkages over the past years for upgrading the skills and overall personality of students. Ongoing cLINK, FUSION and SmartLink projects are expected to create significant marks of success and quality in this respect. Our products have been working successfully in national and international organizations with highest level of performance and dedication. We are eager to take that legacy one step further with you.

ER. RABINDRA KHATI

HOD, Department of Computer and Electronics Engineering





FROM THE DESK OF

HOD

It is my immense pleasure to write here and inform you that KEC has been offering Bachelor's program in Civil Engineering since its establishment. Department of Civil Engineering is marching towards the goal to achieve an academic excellence for the students in their career development from well experienced and professional faculty, up – to – date laboratory with necessary instruments, and conducive teaching environment. You will feel high standard learning environment to discover the deeper meaning of your career development in future. A great place not only to enhance your technical knowledge but also to develop personality through various curricular and co-curricular activities throughout the year.

Quality education is the motto of the department. As this is the age of information technology, the application of the advanced tools and techniques based on the computer science is the need of the current time in the field of Civil Engineering. The department is also moving in this direction in the days to come. I would like to heartily welcome all the aspiring students to the department of Civil Engineering.

I wish u all the best for your career in advance.

ER. ANIL BASNET

HOD, Department of Civil Engineering

STUDENT'S VIEW





The ecstasy experienced during my four years at Kantipur Engineering College cannot be simply expressed in words. I feel extremely proud of being part of it. KEC provided an ideal platform to nurture my potentiality and necessary resources to develop my career in engineering. The group of experienced academicians, guest lecture from professionals, class discussions, laboratory sessions, participation in seminars, extensive case analysis and project works has been instrumental in this regard. A study friendly environment, well facilitated infrastructures, the support of best teachers and experienced advisors has oriented me into the global dimensions of today's engineering education. I got an optimum balance of theory and practice to enhance my intellectual and professional development. And lastly, KEC's focus on overall development has inculcated confidence and wisdom to my personality. KEC will always be a part of me as much as I've been a part of it.

DIVYA PANDIT CHHETRI » Electronics & Communication Engineering (2068 Batch)



I have been at KEC for 4 years but it feels that I joined this wonderful college only a month ago. I have had a great 4 years at KEC, learning and growing tremendously. The highlight of KEC for all students is: highly qualified and talented teachers, adequate infrastructure, strong faculty support, and the best one is that it has always welcomed new ideas from students to enhance learning. Personally, I think that KEC is the best choice for career development in engineering field and every moment at KEC will always be in my memories.

Last but not the least, I cannot stop admiring the peaceful learning environment of KEC.

HARI DAHAL » Computer Engineering (2068 Batch)



I had always dreamed about being an engineer since I was little. My dream came true when I joined Kantipur Engineering College. At the beginning, I was a bit afraid since it was a private college. But it wasn't long that my doubts turned out to be in vain. KEC is a worthwhile place to spend my four precious years learning in various ways. I believe that KEC not only helped me in my education but also gave me a platform where I could discover myself. This college and its faculty supported me on my days and motivated me in all things that wanted to do as a student. The teachers are not only limited in the boundary of the classroom but are also eager to solve queries at all the times. In short, KEC excels in all the ways that any students would look up in a college. The peaceful environment of this college has made my four years very memorable one.

BRISTI MOKTAN » Civil Engineering (2068 Batch)





PHYSICAL FACILITIES

SITE

KEC is situated at Dhapakhel, Lalitpur in an area of about 36 ropanies of land. It is at a distance of about 3 km from Satdobato, Ring Road. The site is pleasing and peaceful to support and boost an educational environment.

ACADEMIC BLOCK

At present, KEC has two four-storied academic blocks. The total combined floor area of these buildings is 47,000 sq. ft. These blocks are dedicated to classrooms and departments.

LABORATORY BLOCK

The laboratory block is a four-storied building with the total floor area of 20,000 sq. ft. The laboratory block consists of the following laboratories:

- » Structural Engineering Lab
- » Civil Engineering Material Lab
- » Soil Mechanics Lab
- » Foundation and Transportation Lab
- » Water Resources Lab
- » Water Supply and Sanitation Lab
- » Electrical Lab
- » Electronics Labs- I, II & III
- » Computer Labs- I, II, III, IV, V, VI & VII
- » Internet Lab
- » Thermodynamics Lab
- » RCC and Concrete Lab
- » Workshop
- » Audio Visual Room
- » Physics Lab

Chemistry laboratory is situated in a separate building covering floor area of about 2200 sq.ft.



ADMINISTRATION BLOCK

The college has three-storied administration block occupying the floor area of 4000 sq. ft. The block is occupied by different sections which includes Principal's office, Vice-Principal's office, RTCD, account section, examination section, administration, reception and SKIMA secretariat.

PROJECT BUILDING

The college has a four-storied project building with an area of 8,000 sq.ft. dedicated for project labs and teachers' offices.

LIBRARY

The college library possesses sufficient books and reference materials. It occupies a total area of 5000 sq. ft. The library provides a set of text-books to all students for the whole semester.

CANTEEN

Two canteens have been constructed to the east of the academic building. The canteens can serve 120 students at a time.

SPORTS COURT

A multi-sports court having an area of 6000 sq. ft. has been constructed in the college premises for sports like basketball, volleyball, badminton, etc.



DISCIPLINE

Kantipur Engineering College is committed to maintaining discipline of the students. Students enrolled have to abide by the rules and regulations set by the college. The violation of rules and regulations including negligence in attending classes, disrespect towards teachers and staff, violation of uniform code, usage of alcohol and drugs and other activities which disturb the class and defame the image of the college may be sufficient reason to disqualify the students from entering the college. If such acts of transgression occur repeatedly, the college management will be forced to take stringent actions against the students and some of these steps may include withdrawing of the scholarship offered, prohibition from appearing in examination or even expulsion from the college. If any property of the college is damaged due to negligence or ill-intention of the students, the students concerned will be held responsible and be duly fined or dealt with such other reasonable punishment.

Attendance of the students is the basic criterion for the eligibility to appear in the final examination. The students failing to have at least 75% attendance will not be allowed to appear in the final examination.

RESEARCH, TRAINING AND CONSULTANCY DIVISION

Research, Training and Consultancy Division (RTCD) has been formed in KEC and through this unit, KEC aims to initiate research, training and consultancy activities and engineering services. Recently, Memorandum of Understanding (MoU) between Nepal Telecommunication Authority (NTA) and Kantipur Engineering College (KEC) has been signed for the purpose of funding the final year students to conduct study and research in the development of Telecommunication sector. At present, the college has a strong faculty support and adequate physical facilities to undertake training and consultancy work on:

- » Information Technology
- » Network Technology
- » Wireless Communication
- » Telecommunication
- » Transportation and Geotechnical Engineering
- » Water Resources Engineering
- » Water Supply and Sanitation Engineering
- » Structural Engineering





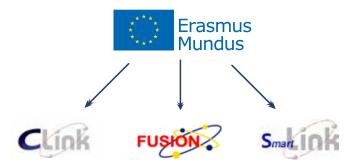
INTERNATIONAL LINKAGE

KEC has forged a tradition of international linkages for the betterment of academic environment and faculty development. KEC has had good relations with Polotsk State University (Belarus), Peoples Friendship University (Russia), Power Engineering Institute, Moscow State Automobile and Road Technical University (Russia). The college is in collaboration with Melbourne Institute of Technology (Australia) and Moscow State University of Economics, Statistics and Informatics (Russia).

Currently, KEC, as Joint Coordinator, is involved in another Erasmus Mundus partnership project, SmartLink (South-East-West Mobility For Advanced Research, Learning, Innovation, Network and Knowdedge) which is a continuation of the previously launched scholarship programs namely EAST-WEST Asia Link Project, eLINK Project, cLINK Project and FUSION through which significant number of students and academicians became the part of it as a trainee and research fellow. The SmartLink consortium involving 8 European and 11 Asian nations aims to strengthen the existing partnership and foster

new partnerships by realizing 160 research staff and students mobility in both ways.

With the support of these projects, KEC is organizing 9th International Conference on Software, Knowledge, Information Management and Applications (SKIMA 2015) in Kathmandu from 15 to 17 December 2015.



ADMISSION

Admission for Bachelor's Program in Engineering under TU, normally opens in the month of August. Students willing to join KEC must pass the entrance examination conducted by Institute of Engineering (IOE). IOE conducts computer based entrance test in Mathematics, Physics, Chemistry, English and Basic Concept on Drawing. All questions are of objectives type and the time duration of the test is 2 hours in one seating. Students with I.Sc. (Physical group or Biological group with Extra Math) or Diploma in Engineering and scoring at least 45% in respective examinations are eligible to apply for the entrance test.

KEC admits students according to the merit list of the entrance examination conducted by IOE. International students do not have to appear in entrance tests; special entrance committee selects them for admission.

SCHOLARSHIP

For bright and deserving students, KEC has scholarship packages as follows:

REGULAR SCHOLARSHIP: 10% of the admitted full paid quota get scholarship.

NEED BASED SCHOLARSHIP FOR MERITORIOUS STUDENT: One student from each program gets this scholarship based on need and merit as according to the college policy.

SCHOLARSHIP FOR DHAPAKHEL RESIDENT: One student from Dhapakhel locality recommended by the VDC is given scholarship on the tuition fee.

KANTIPUR TALENT STUDENT SCHOLARSHIP: Students securing excellent marks in the model entrance conducted by KEC will be facilitated with several attractive scholarship. This scholarship will be provided according to the college policy.

FACULTY	FULL PAY	REGULAR	
Civil	80	8	
Electronics & Communication	80	8	
Computer Engineering	120	12	

COLLEGE ACTIVIT





aunching of Smartlink



First prize winner inCivil Engineering Project

Model Entrance Exam

aunching of Prabidhi

Saraswati Puja

ORGANIZATION















KEY PERSONNEL OF KEC

ER. RAMESHWAR RIJAL » Principal DR. KESHAR PRASAIN » Vice-Principal

MR. KULA NANDA CHAUDHARY»

Chief, (Exam Section)

MR. MAHA DATTA PAUDEL »

HOD, (Engineering Science & Humanities)

ER. RABINDRA KHATI»

HOD, (Computer & Electronics)

ER. ANIL BASNET » HOD, (Civil)

MR. UTTAM GHIMIR » Deputy Director

ER. BHUPESH KUMAR MISHRA »

Deputy Chief, (RTCD)

MR. TEK NARAYAN ADHIKARI»

System Administrator

MS. ANJANA DEVI BHANDARI » Deputy HOD, (Engineering Science & Humanities)

ER. RAVI CHANDRA KOIRALA»

Deputy HOD, (Computer & Electronics)

ER. SUDEEP THAPA » Deputy HOD, (Civil)

ER. SANJAYA NEUPANE » Department

Assistant, (Engineering Science & Humanities)

ER. BIKRANT KOIRALA »

Department Assistant, (RTCD)

ER. IMA NATH DUWADI»

Department Assistant, (Civil)

ER. ANUP K.C. » Department Assistant,

(Computer & Electronics)

MR. BINOD SUBEDI»

Senior Administrative Officer

MR. PITAMBAR SIMKHADA » Library Chief

VISITING PROFESSORS

ER. NABIN CHANDRA SHARMA

» IOE, Pulchowk Campus

PROF. DR. KESHAV DAHAL

» University of the West of Scotland, UK

DR. NOPASIT CHAKPITAK

» Chiang Mai University, Thailand

PROF. DR. HOGNIAN YU

» Staffordshire University, UK

PROF. ABDUL AZIZ BOURAS

» Lumiere University Lyon 2, France

FULL TIME FACULTY

DEPARTMENT OF CIVIL ENGINEERING

Er. Rameshwar Rijal » Principal

Er. Anil Basnet » Senior Lecturer, HOD, MSc (Structural Engineering)

Er. Sudeep Thapa » Lecturer, DHOD, ME(Technology

& Management of Transport)

Er. Ima Nath Duwadi » Lecturer, Department Assistant.BE (Civil)

Er. Rita Khadka » Lecturer, B.E. (Civil)

Er. Suresh Pd. Thakur » Lecturer, BE (Civil)

Er. Bhakta Raj Joshi » Lecturer, BE (Civil)

Er. Pratichhya Pradhan » Asst. Lecturer, BE (Civil)

Er. Niman Maharjan » Asst. Lecturer,BE (Civil)

DEPARTMENT OF ENGINEERING SCIENCE & HUMANITIES

Dr. Keshar Prasain » Vice-Principal, Associate professor, Ph.D.

Mr. Kula Nand Chaudhary » Associate Professor, Chief (Exam section), MSc (Math)

Mr. Maha Datta Paudel » Associate Professor, HOD, MSc (Physics)

Mrs. Anjana Devi Bhandari » Lecturer, DHOD, MSc (Math)

Er. Sanjaya Neupane » Sr. Lecturer, Department Assistant, BE (Mechanical)

Mr. Ammar Bahadur Karki » Sr. Lecturer,MA (Math)

Mr. Santosh Rawal » Sr. Lecturer, MSc (Physics)

Mr. Deepak Dhas G » Lecturer, MSc (Math)

Mr. Krishna Prasad Gautam » Lecturer, M.Phil (English)

Mr. Bishwas Lal Shrestha » Lecturer, MSc (Physics) Mr. Sushil Ghimire » Lecturer, M. Phil (Math)

Er. Milan Shrestha » Lecturer.BE (Mechanical) Mr. Prem Kumar Shrestha» Lecturer, MSc

(Chemistry)

Er. Amar Baral » Asst. Lecturer, BE (Mechanical)

Er. Rabin Dhakal » Asst. Lecturer, BE (Mechanical)

DEPARTMENT OF COMPUTER ENGINEERING

Er. Rabindra Khati » Associate Professor, HOD, MCA Er. Bhupesh Kumar Mishra » Jr. Associate

Professor, Deputy Chief (RTCD), MSc (Information & Communication)

Er. Tek Narayan Adhikari » Jr. Associate Professor, System Administrator, MSc (Computer Science)

Er. Ravi Chandra Koirala » Sr. Lecturer, DHOD, BE (Electronics&Communication)

Er. Bikrant Koirala » Sr. Lecturer, Division Assistant RTCD, BE (Electronics & Communication)

Er. Anup K.C. » Lecturer, Department Assistant, BE (Electronics & Communication)

Er. Ajay Kumar Shrestha » Sr. Lecturer, MSc (Ethical Hacking and Computer Security)

Er. Dibyadhar Joshi » Sr. Lecturer, MSc(Information System)

Er. Dipesh Shrestha » Lecturer, MSc (Computer) **Er. Santosh Paudel** » Lecturer, MSc (Computer System) Er. Sujin Gwachha » Lecturer, BE (Electronics&Communication)

Er. Yogendra Raj Shrestha » Lecturer, BE (Computer)

Er. Pavan Poudel » *Lecturer, BE (Computer)* **Er. Tirtha Acharya** » *Lecturer, BE (Computer)* Er. Pradip Singh Maharjan » Lecturer, BE (Computer)

Er. Kobid Karkee » Lecturer, BE (Electronics & Communication)

Er. Sabindra Patel » Lecturer, BE (Electronics & Communication)

Er. Sunil Kumar Shrestha » Lecturer, BE (Flectronics & Communication)

Er. Nischal Niraula » Lecturer, BE (Electronics & Communication)

Er. Pankaj Bhandari » Lecturer, BE (Electronics & Communication)

Er. Suresh Prajapati » Lecturer, BE (Electronics & Communication)

Er. Ramita Maharjan » Lecturer, BE (Computer)

Er. Niranjan Rai » Lecturer, BE (Computer)

Er. Nawa Raj Acharya » Lecturer, BE (Electronics & Communication)

Er. Manzil Gajurel » Lecturer, BE (Electronics & Communication)

Er. Taiyab Ansari » Lecturer, BE (Electrical)

Er. Rejina Basnet » Asst. Lecturer, BE (Computer)

Er. Barun Kumar Jha » Asst. Lecturer, BE (Electrical)

FULL TIME ADMINISTRATIVE STAFF

Mr. Uttam Prasad Ghimire » Deputy Director

Mr. Binod Subedi » Sr. Admin Officer

Mrs. Bunu Adhikari » Asst. Officer

Mrs. Shrawana Joshi » Asst Officer Mr. Bishow Niraula » Sr. Office Assistant

Mr. Khadga Bahadur Thapa » Sr. Office Assistant

Mrs. Dinu Acharya » Sr. Office Assistant

Mrs. Anuja Paudel » Sr. Office Assistant

Mr. Madhab Prasad Dahal » Sr. Office Assistant

Mr. Pawan K.C. » Office Assistant

Mrs. Bimala Parajuli » Office Assistant

Mrs. Pratima Khanal » Office Assistant

Mr. Kamal Khadka » Office Assistant

Mr. Anil Maharjan » Office Assistant

Mr. Ganesh Thapa Magar » Driver

Mr. Kishan Maharjan » Driver

Mr. Hera Kaii Maharian » Driver

Mr. Lalit Ku. Thapa Magar » Driver

Mr. Eka Bahadur Katuwal » Driver Mr. Indra Mohan Maharjan » Driver

Mr. Laxman Khadka » Head Guard

Mr. Hira Aale » Helper

Mr. Shreekrishna Khadka » Labour Head

Mr. Raghu Nath Khadka » Guard

Mr. Kumar Puri » Helper

Mrs. Renu Karki » Helper

Mrs. Kamala K.C. » Helper

Mrs. Nirmala K.C. » Helper

Mr. Ramesh K.C. » Helper

Mrs. Jamuna Maharjan » Helper

Mrs. Nanu K.C. » Helper

Mr. Krishna Bahadur Tamang» Helper

Mr. Bikash Khadka » Helper

Mrs. Krishna K.Pulami Aale » Helper

FULL TIME LIBRARY STAFF

Mr. Pitambar Simkhada » Library Chief Mr. Ridhi Shrestha » Sr. Office Assistant

Mr. Sanu Kaji Desar » Office Assistant Mr. Subash Basnet » Jr. Office Assistant Mrs. Sanu Deula » Helper Mrs. Dibya Bhusal » Helper

FULL TIME LABORATORY & WORKSHOP STAFF

Mr. Rabi Sharma » Deputy Instructor

Mr. Sanu Babu Maharjan » Deputy Instructor

Mr. Ishwor Lal Maharjan » Deputy Instructor

Mr. Jaya Prakash Kafle » Deputy Instructor Mr. Padma Lal Shrestha » Deputy Instructor Mr. Bimal Kumar Shrestha » Deputy Instructor

Mr. Sanjeev Prajapati » Deputy Instructor

Mr. Birendra Prasad Chaudhary » Deputy

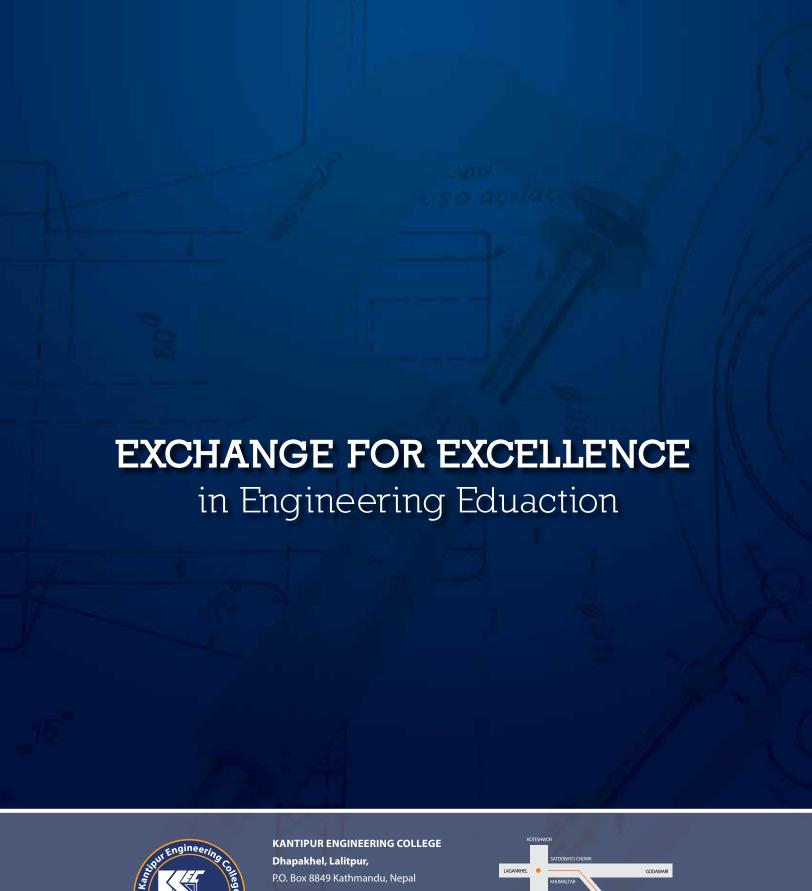
Mr. Shiva Raj Khadka » Asst. Instructor

Mr. Nirajan Khadka » Asst. Instructor

Mr. Laxmi Sah » Asst. Instructor

Mr. Khumananda Paudel » Asst. Instructor

Mr. Kishor Kumar Chaudhary » Asst. Instructor





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