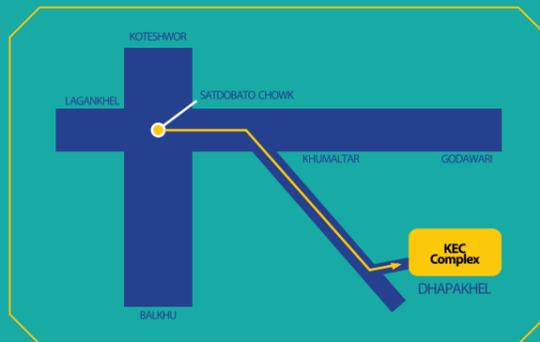




Offering Quality Engineering Education Since 1998...

www.kec.edu.np



KANTIPUR Engineering College

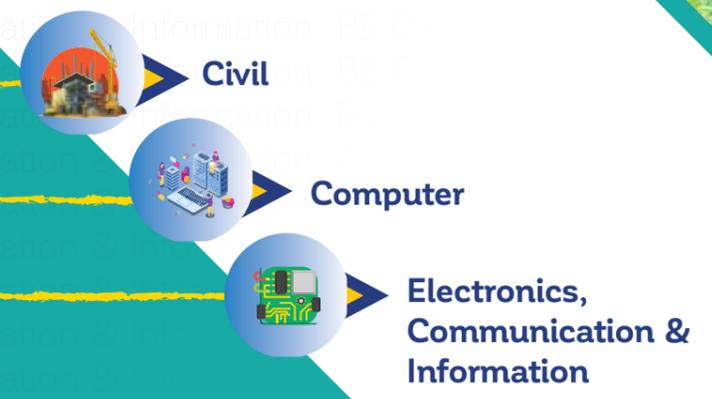
Affiliated to TU



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- +977-1-5229274
- admin@kec.edu.np
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BE

Bachelor in Engineering



2019

Message from the Principal



Er. Rameshwar Rijal

It gives me immense pleasure in commemorating twenty-one successful years imparting quality education through Kantipur Engineering College. We have come a long way contributing in the field of engineering. Our college has been one of the most prominent engineering institutions in Nepal that nurtures creativity and innovation at the state-of-the-art infrastructure. Apart from its diligent human resources, we take equal pride in the location of the premises that is aesthetically unparalleled.

In ever growing and challenging world of technology, KEC provides platform to hone skills and broaden knowledge for young enthusiasts who turn into professionals excelling in various engineering disciplines. Participation is the key to evaluation and therefore, we have our international linkages with more than 50 universities in Asia and Europe. Moreover, European Union funded projects including cLink,

eLINK, FUSION, SmartLink, and SUNSpaCe have played a great role for both students and teachers in gaining international exposure. Our students have not only succeeded nationally, but have made us proud by showcasing their talent in global arena like Imagine Cup World Finals in Seattle, USA. And recently, KEC conference was successfully organized by the college to encourage students and teaching faculty from all over the world.

I would like to extend an open arm to welcome all the new students in KEC family. The hard work and diligence put forth by dedicated professionals will certainly help carve a better future for all the students. We focus on each student need and requirement along with his or her parent involvement in attaining the desired academic results. So, I encourage aspiring students to venture out on an academic journey at KEC and ensure a better future.

An Introduction of **KEC**

Established in 1998 with the basic objective of creating an excellent platform for the engineering studies in Nepal, KEC stands out with well equipped and state-of-the-art facilities at its own lush green spacious complex at Dhapakhel, Lalitpur and is efficiently managed by professional faculty and staff. The college is committed to meet every challenges 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 the Institute of Engineering (IOE), Tribhuvan University. This year college will take the second batch of BE in Electronics, Communication and Information Engineering. 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.



Message from the Vice Principal



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.

Vision

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

Special Features

- Peaceful and pollution free environment
- Earthquake resistant infrastructure
- Service with qualified and dedicated teachers and staff
- Well equipped laboratories and workshop
- International linkages with exchange programs
- Research, training and consultancy
- Library with sufficient books and reference materials
- Supplementary classes for weak students
- Scholarship package for deserving students
- Internet and Wi-Fi
- Subsidized transportation
- Sports facility
- Photocopy, stationery and canteens inside college premises
- Faculty/Staff development

Objectives

- 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.

Dear students, parents and well-wishers,
Warm Greetings from Kantipur Engineering College!!!

With great respect and honour, I would like to express my deep gratitude to all the parents, faculty, staff, students and well-wishers of the college. Your constant support, love and commitment towards the college throughout the years has enabled us to thrive to build KEC's reputation as one of the best engineering colleges in Nepal.

I am honored to work with the faculty and staff of the college to secure bright future of our students and our college as a whole. We have a lot of things to be proud of which includes quality education, well equipped laboratories, modern physical infrastructure, exposure of students in different intra/inter college competitions, healthy studying environment, international linkages

with scholarships to European Universities, etc. Most of our senior faculty members have utilized our international linkage programs and trained themselves to guide and motivate students to become qualified and competent engineers capable of decision-making and complex problem solving. I am committed to continue this positive momentum in the days to come.

As a senior faculty member and Vice Principal of the college, I am privileged to be a part of a team in which every member is a leader of teaching and learning. Finally, I would like to welcome all the perspective students to be a part of proud KEC family. Please feel free to contact me if you have any queries or suggestions.

Kind regards,
Dr. Keshar Prasain
kesharprasain@kec.edu.np

Welcome message from the Department



The Department of Engineering Sciences and Humanities extends warm welcome to all the visitors. Amidst the challenges and intense competition within the technological world, the department has been responsible in building strong foundation for students aspiring to excel as an engineer. Apart from subject matters and scientific knowledge, we also year to develop strong discipline and character that is demanded academically and professionally from students. The department primarily facilitates basic science courses recommended by the curriculum of Tribhuvan University such as: Engineering Mathematics, Engineering Physics, Engineering Chemistry, Probability and Statistics, Numerical Method, Fundamental of Thermodynamics and Heat Transfer, Workshop Technology, Engineering Drawing I and II, and Professional Communication.

The efforts of department to maintain quality and excellence is corroborated by a group of well qualified, dedicated and diligent faculty members who have ample experience and are well acquainted with teaching and learning principles. In regards to the teaching approach, synergetic amalgamation of theoretical and practical studies has always been proven superior to the orthodox practices.

The department and faculty members strongly abide by that approach and is reflected within the lectures, tutorials and practical delivered. In short, our department has been responsible in bridging the gap between lower level and higher level education and we invest our best efforts in delivering quality, efficiency and excellence.

Mr. Maha Datta Paudel
HOD, Department of Engineering Science and Humanities



Physical Facilities



Site

KEC is situated at Dhapakhel, Lalitpur in an area of about 37 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 Blocks

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, departments, workshop, library and teachers' office.

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

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, Account Section, Examination Section and Administration.

Project & Research Block

The college has a four-storied project and research block with an area of 8,000 sq.ft. dedicated for project labs, Research, Training & Consultancy Division (RTCD) 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.

Canteens

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.

Welcome message from **the Department**



Department of Computer and Electronics Engineering extends a warm welcome to all our students and parents. ours is a dynamic team of highly qualified, talented and experienced teacher 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 training, field visits, projects, guest lectures, seminars, technical exhibitions, 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 and teachers. 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 stop further with each year to pass by.

Er. Rabindra Khati
HOD, Department of Computer and Electronics Engineering

Computer Engineering

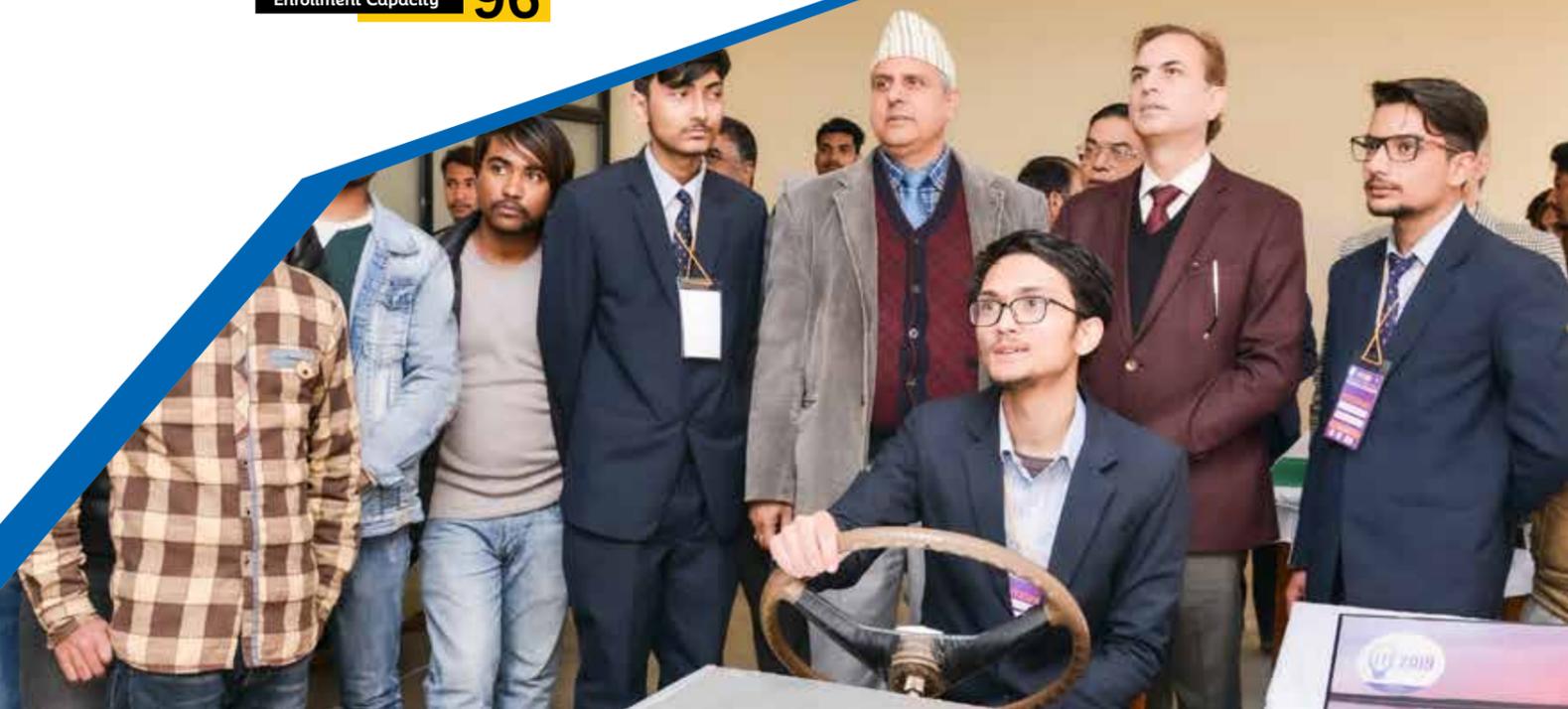
Enrollment Capacity **96**

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.

Electronics, Communication & Information Engineering

Enrollment Capacity **96**

In the wake of technological upheaval and job market trends, a new course Bachelor Program in Electronics, Communication & Information Engineering was started by IOE last year. This is a four year 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.



Welcome message from **the Department**



It is my immense pleasure to write here and inform you that our college 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 the future. Kantipur Engineering College is a great place not only to

enhance your technical knowledge but also to develop personality through various curricular, co-curricular and extra-curricular activities throughout the Year.

I would like to heartily welcome all the aspiring students to the department of Civil Engineering Wishing their academic excellence.

Er. Sudeep Thapa
Head of Department
Department of Civil Engineering



Civil Engineering

This program is the first four-year bachelor's degree run by KEC. In this program, 54 subjects are offered in eight semesters. Students in this program go through many lectures, field works, laboratory exercises and site visits. Experienced and qualified faculties are involved in the program. Our special focus is on imparting real supports to students for their project works too. Students also get opportunities of mobility exchange program through our international linkages such as FUSION, Smartlink, and others.

Enrollment Capacity **96**

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.

Admission

Students willing to join KEC must pass the entrance examination conducted by the Institute of Engineering (IOE). IOE conducts computer based entrance test in Mathematics, Physics, Chemistry, English and Engineering Aptitude. All questions are of objectives type and the time duration of the test is 2 hours in one seating.

KEC admits students according to the merit list published by IOE based on the entrance test results.

Scholarship

For bright and deserving students, KEC has following scholarship packages:

Regular Scholarship:

10% of the admitted full paid quotas get scholarship.

Kantipur Talent Student Scholarships: Students securing outstanding marks in Model Entrance conducted by KEC will be provided with several attractive scholarships. These scholarships will be provided in accordance with the college policy.



- Gaurav Subedi
Computer Engineering
- 2072

As Elon Musk put it, "Engineering is the closest thing to magic that exists in the world." Let's face it, magic doesn't happen overnight, let alone four years. But four years can be enough to pave a way for mastering the discipline, given the appropriate platform. That's where KEC excels in. The motivation and cooperation from teachers, non-teaching staffs as well as the college administration I received in my study period at this college were the fertilizers in nurturing my academic as well as professional experience. Located on the outskirts of the metropolis, the serene environment of the college revitalizes the creative intellect. KEC is an abode of opportunities to sharpen one's skills and knowledge, and I am forever grateful.



- Manisha Kattel
Civil Engineering -2073

After passing the IOE entrance examination, I faced the dilemma regarding which engineering college would provide the best platform for me to enhance my skills, knowledge and confidence. Needless to say, Kantipur Engineering College was the best option for me. And I am glad I made this choice. The first few months were the toughest. I was worried about an entirely new course and new environment. But eventually, I overcame it. All thanks to the relentless support from my professors and teachers. Now, after 3 years of being a KECian, when I look back to those difficult times, I can see how much I have grown both academically and as a person. I personally have change a bit and have been a better version of myself. All thanks to the support I got from the KEC family. From sound educational environment to dedicated teachers they provided me with everything a student can hope for from her college. I was just an average student who was afraid of taking challenges. But KEC helped me realize I am stronger than I thought I was and can achieve my goals if I pour my heart and soul into it. Now, it's your time to realize your strengths. Thus, I proudly say, joining KEC was one of the best decision I took as it greatly supported to prove my dream of being an 'ENGINEER'.

Research and Training

Research, Training and Consultancy Division (RTCD) seeks to develop research knowledge, skills and attitude in the students and faculty members alike. In order to achieve this objective, the division works closely with both national and international universities, government agencies, NGOs, INGOs and consultancies to provide customized training solutions to students, faculty members and research scholars in areas of engineering and IT.

RTCD Undertakes

1. Research Activities

- Planning, preparing program and conducting research work.
- Exploring and identifying partnering institutions both national and international to work jointly for research.

2. Training and Consultancy

- Assessing training needs of students and faculty members and executing these programs.
- Organizing workshops, seminars, technical exhibitions and talk programs.

3. Guest Lectures

- Guest lectures organized by inviting distinguished academicians/ non-academicians to provide exposure for undergraduate students.
- Focus on curriculum, research and current job market.

4. 'LITE' Inter-College Technical Exhibition

- An annual one day exhibition cum competition event organized for showcasing the talents and highlighting the skills of students through various competitions.
- Consists of Civil Model/Project, Hardware, Software and Quiz competitions.

5. KEC Conference / Symposium

- A conference which aims for integrating and building undergraduate and graduate research along with their theoretical knowledge.
- An annual event on Engineering and Technology.



- Bijay Sapkota
Electronics & Communication Engineering -2072

The environment at KEC is composed of diverse opportunities and experiences. I would have been unaware of, had I not been a part of KEC. In addition to learning practical skills in my field of study, it has also taught me how to be a better person individually, socially and globally. So, being a KECian makes me proud and happy.

International Linkage

KEC has forged a tradition of international linkage for the betterment of academic environment and faculty development. KEC has had good relations with Polotsk State University (Belarus), Peoples Friendship University (Russia), Moscow State Automobile and Road Technical University (Russia), Melbourne Institute of Technology (Australia) and Moscow State University (Russia).

At present, KEC has academic partnerships with more than 50 universities (in Europe and Asia) across the globe focusing on different areas of collaboration including:

- Exchange of Faculty and Students
- Exchange of Research Fellows
- Joint Research Projects
- Joint Conferences and Seminars
- Sharing / Exchange of Information & Resources
- Student and Staff Development

The collaboration is based on European Union (EU) funded Erasmus Mundus mobility projects: East-West, eLINK, cLINK, FUSION, SmartLink and SUNSpaCe. Under these projects KEC has accomplished a numbers of exchange programmes along with international conferences and seminars.



Project	Mobility
East - West	4 (PhD, Masters & Staff Training)
e-LINK	57 (Post-Doctorate, PhD, Masters, Undergraduate, Staff Training)
c-LINK	5 (PhD, Masters & Undergraduate)
FUSION	12 (Masters, Undergraduate, Staff Training)
SmartLink	27 (Post-Doctorate, PhD, Masters, Undergraduate, Staff Training)
SUNSpaCe	4 (Staff Meeting)

The college family is proud to be part of two new international projects: Erasmus Mundus+ "eACCESS" and Innovate UK Energy Catalyst Round 6 "YETIS" starting from the end of 2019

KEC has organized two international conferences on Software, Knowledge, Information Management and Applications (SKIMA) in 2008 and 2015 in Kathmandu, Nepal. The college is also organizing KEC International Conference on Engineering and Technology 2019 this year.



Organization

College Management Committee



Er. Dr. Tara Prasad Pokhrel
Chairman



Er. Pemba Chhiring Bhote
Member



Dr. Birendra Mahato
Member



Mr. Krishna Prasad Pokhrel
Member



Mr. Rajendra Malla
Member



Mr. Bharat Singh Thapa
Member



Er. Rameshwar Rijal
Member Secretary

College Management Committee

Er. Dr. Tara Prasad Pokhrel	Chairman
Er. Pemba Chhiring Bhote	Member
Dr. Birendra Mahato	Member
Mr. Krishna Prasad Pokhrel	Member
Mr. Rajendra Malla	Member
Mr. Bharat Singh Thapa	Member
Er. Rameshwar Rijal	Member Secretary

Key Personnel

Er. Rameshwar Rijal	Principal
Dr. Keshar Prasain	Vice-Principal
Mr. Maha Datta Paudel	HOD (Engg. Science & Humanities)
Er. Rabindra Khatri	HOD (Computer & Electronics)
Dr. Surendra Bahadur Tamrakar	Chief (RTCD)
Mr. Tek Narayan Adhikari	Chief (Exam Section)
Er. Sudeep Thapa	HOD (Civil)
Mr. Uttam Prasad Ghimire	Deputy Director
Dr. Anand Panta	Deputy Chief (RTCD)
Mr. Binod Subedi	Senior Administrative Officer
Mr. Pitambar Simkhada	Library Chief
Ms. Anjana Devi Bhandari	Deputy HOD (Engg. Science & Humanities)
Er. Anup K.C.	Deputy HOD (Computer & Electronics)
Er. Ima Nath Duwadi	Deputy HOD (Civil)
Er. Kobid Karkee	Deputy Chief (IT Section)
Mr. Santosh Rawal	Depart. Asst. (Engg. Science & Humanities)
Er. Niman Maharjan	Depart. Asst. (Civil)
Er. Bhuvan Adhikari	Depart. Asst. (Computer & Electronics)

Visiting Professors

Er. Nabin Chandra Sharma	IOE, Pulchowk Campus
Dr. Keshav Dahal	University of the West of Scotland, UK
Dr. Nopasit Chakpitak	Chiang Mai University, Thailand
Prof. Dr. Hognian Yu	Bournemouth University, UK
Prof. Abdul Aziz Bouras	Université Lumière Lyon 2, France
Dr. Ramesh Marasini	Southampton Solent University, UK

KEC Team

DEPARTMENT OF CIVIL ENGINEERING

Er. Rameshwar Rijal	Principal
Dr. Surendra Bahadur Tamrakar	Associate Professor, Chief (RTCD)
Dr. Anand Pant	Junior Associate Professor, Deputy Chief (RTCD)
Er. Sudeep Thapa	Sr. Lecturer, HOD
Er. Ima Nath Duwadi	Sr. Lecturer, DHOD
Er. Niman Maharjan	Lecturer, Dept. Asst.
Er. Rita Khadka	Sr. Lecturer
Er. Bhakta Raj Joshi	Lecturer (Study leave)
Er. Pratichya Pradhan	Lecturer
Er. Sabin Paudyal	Lecturer
Er. Kirti Dhungana	Lecturer
Er. Meelisha Maharjan	Lecturer
Er. Kamal Katwal	Lecturer
Er. Abhinesh Khatri	Lecturer
Er. Suman Neupane Asst.	Lecturer
Er. Sushil Rijal	Lecturer
Er. Arjun Poudel	Asst. Lecturer

DEPARTMENT OF COMPUTER AND ELECTRONICS ENGINEERING

Er. Rabindra Khatri	Associate Professor, HOD
Mr. Tek Narayan Adhikari	Jr. Assoc. Professor, Chief (Exam Section)
Er. Anup K.C.	Sr. Lecturer, DHOD
Er. Kobid Karkee	Sr. Lecturer, Deputy Chief (IT Section)
Er. Bhuvan Adhikari	Lecturer, Depart. Asst.
Er. Bhupesh Kumar Mishra	Jr. Assoc. Professor, (Study leave)
Er. Ravi Chandra Koirala	Sr. Lecturer (Study leave)
Er. Bikrant Koirala	Sr. Lecturer, (Study leave)
Er. Dipesh Shrestha	Sr. Lecturer
Er. Sujin Gwachha	(Project Coordinator- Electronics) Lecturer
Er. Bishal Thapa	(Project Assistant- Computer) Sr. Lecturer
Er. Utsab Pokharel	Lecturer
Er. Sunil Kumar Shrestha	Lecturer
Er. Susheel Joshi	Lecturer
Er. Prakash Kafle	Lecturer
Er. Saroj Sharma	Lecturer
Er. Ankit Shekhar Adhikari	Lecturer
Er. Astha Maharjan	Lecturer
Er. Utkarsha Ghimire	Lecturer
Er. Sushil Paudel	Lecturer
Er. Bishal Rimal	Lecturer
Er. Shiva Gautam	Lecturer
Er. Anuradha Maharjan	Lecturer
Er. Robi Dahal	Lecturer
Er. Khagendra Prasain	Lecturer
Er. Rajesh Shah	Lecturer
Er. Ramal Maharjan	Lecturer
Er. Rubash Mali	Lecturer
Er. Nischal Khadka	Asst. Lecturer
Er. Avishek Sapkota	Asst. Lecturer

DEPARTMENT OF ENGINEERING SCIENCE & HUMANITIES

Dr. Keshar Prasain	Vice Principal, Associate Professor, HOD
Mr. Maha Datta Paudel	Sr. Lecturer, DHOD
Mrs. Anjana Devi Bhandari	Sr. Lecturer, Dept. Asst.
Mr. Santosh Rawal	Sr. Lecturer
Mr. Deepak Dhas	Lecturer
Mr. Krishna Prasad Gautam	Lecturer
Er. Amar Baral	Lecturer
Er. Kritika Sharma	Lecturer

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
Mr. Anuja Paudel	Sr. Office Assistant
Mr. Madhab Prasad Dahal	Sr. Office Assistant
Mrs. Bimala Parajuli	Sr. Office Assistant
Mrs. Pratima Khanal	Sr. Office Assistant
Mr. Kamal Khadka	Sr. Office Assistant
Mr. Pawan K.C.	Sr. Office Assistant
Mr. Anil Maharjan	Office Assistant
Mr. Bikram Desai	Office Assistant
Mr. Kishan Maharjan	Driver
Mr. Hera Kaji Maharjan	Driver
Mr. Lalit Ku. Thapa Magar	Driver
Mr. Eka Bahadur Katuwal	Driver
Mr. Indra Mohan Maharjan	Driver
Mr. Bikas Khadka	Driver
Mr. Hira Ale	Head Helper
Mr. Shreekrishna Khadka	Labor Head
Mr. Kumar Puri	Helper
Mrs. Renu Karki	Helper
Mrs. Kamala K.C.	Helper
Mrs. Nirmala K.C.	Helper
Mr. Ramesh K.C.	Helper
Mrs. Sanu Deula	Helper
Mrs. Jamuna Maharjan	Helper
Mr. Krishna Bd. Tamang	Helper
Mrs. Krishna Kumari Pulami	Helper

FULL TIME LIBRARY STAFF

Mr. Pitambar Simkhada	Library Chief
Mr. Ridhi Shrestha	Sr. Office Assistant
Mr. Sanu Kaji Desai	Office Assistant
Mr. Subash Basnet	Jr. Office Assistant
Mrs. Dibya Bhusal	Helper
Mrs. Nanu K.C.	Helper

FULL TIME LABORATORY & WORKSHOP STAFF

Mr. Rabi Sharma	Deputy Instructor
Mr. Sanu Babu Maharjan	Deputy Instructor & System Administrator
Mr. Ishwor Lal Maharjan	Deputy Instructor
Mr. Jaya Prakash Kafle	Deputy Instructor
Mr. Padma Lal Shrestha	Deputy Instructor
Mr. Birendra Prasad Chaudhary	Deputy Instructor
Mr. Shiva Raj Khadka	Deputy Instructor
Mr. Laxmi Sah	Deputy Instructor
Mr. Nirajan Khadka	Asst. Instructor
Mr. Kishor Kmr. Chaudhary	Asst. Instructor
Mr. Pankaj Kumar Sah	Asst. Instructor
Mr. Sujan Sharma Dhungana	Jr. Lab Assistant