



Committed to Excellence

Vol. 21 Nov 2022

KEC NEWSLETTER

Dhapakhel, Lalitpur, Nepal Tel.: +977-1-5229204, 5229005 Fax: +977-1-5229274, E-mail: admin@kec.edu.np

KEC Conference 2022

Kantipur Engineering College has organized the fourth edition of the international conference on engineering and technology on the 28th of April, 2022. Around Seven hundred students, researchers, and visitors participated in the conference. Total of Forty-two papers were accepted for conference proceeding publication on different engineering and technology fields. These papers were presented in four parallel sessions (General, Civil and Mechanical Session, Computer, Electronics, and Electrical Session, Symposium of Safe and Sustainable Transportation, Symposium on Urban Water Resources and Management). The symposium on Safe and Sustainable Transport was organized in collaboration with Safe and Sustainable Travel Nepal (SSTN), whereas symposium on Urban Water Resource Management was organized in collaboration with Smart Phones for Water Nepal (S4W-Nepal).



Presence of Chief Guest Er. Dilli Raman Niraula, Chairman, Nepal Engineering Council along with three Keynote speeches by Prof. Dr. Bhola Thapa, Vice-Chancellor, Kathmandu University, Prof Dr. Subarna Shakya, Director,

IT Innovation Center, and Professor, Pulchowk Campus, IOE, TU and Prof. Dr. Ueda Tamon, Professor, Shenzhen University and Hokkaido University have added glory to the opening session.

Students Orientation Program for 2078 Batch



Kantipur Engineering College organized Students Orientation Program for the newly enrolled students' of 2078 batch on April 18, 2022 at Delight Party Venue, Mahalaxmishthan, Lalitpur. About 200 newly enrolled students and their parents/guardians attended the program. The main objective of the program was to familiarize students and guardians with the college and its policies. The

program was chaired by Er. Rameshwar Rijal, Chairman of Kantipur Engineering College, and Prof. Dr. Gyan Bahadur Thapa, Assistant Dean, Examination, IOE, TU was the Chief Guest of the program. Mr. Maha Datta Paudel, Head of the Department of Engineering Science and Humanities welcomed all new students and guardians. Er. Dr. Sunil Kumar Pokhrel, Ex-Chairman of KEC gave valuable insight to the students about the engineering education and its future perspective. Er. Basanta Chandra Marahatta, Member of College Management Committee encouraged the students to take engineering education seriously and help develop the nation. Dr. Keshar Prasain, Principal of KEC presented about the college and highlighted some important policies of the college. Prof. Dr. Gyan Bahadur Thapa, Chief Guest of the program congratulated the students for getting enrollment in the prestigious IOE, TU and also familiarized the students with the examination system of IOE, TU. Prof. Ramaeshwar Rijal, Chairman of the program, thanked all the students and guardians for having trust in KEC and wished the students all the best for four year study at KEC.

EDITORIAL

"Dream dream dream

Dream comes into thought

Finally, thought comes into action."

APJ Abdul Kalam

Knowing that our students have real potential and that their accomplishments will motivate other students to attain success in life fills with enormous pleasure. However, for that to happen, students must have a clear life goal in mind and the tenacity to work toward it. All students must put their utmost effort into even the tiniest projects they take on in order to keep ahead in the rat race that is life.

The KEC Conference & Technical Exhibition has laid the foundation for student motivation and its worth to KEC thanks to the significant participation of experts and famous figures, including ministers and foreign ambassadors. KEC recently finished its 4th KEC International Conference 2022 on the college premises, which aims to develop skills among students and teachers, as a result of its successful history in academic achievement and its continued dedication.

As a genuine facilitator for the institution's overall development, the College Management Committee has constantly taken the lead and dominated the situation. CMC decided to join SSF (Social Security Fund) as of June 2021 in order to uphold its social responsibility for the well-being of all of its employees. The crucial decision to apply for QAA (Quality Assurance Accreditation) status through the University Grants Commission Nepal was also recently made by CMC. This decision was essential because it would enable the college to gain acceptance on a global scale through a widely recognized quality control system.

Last but not least, the KEC family is dedicated to carrying out their obligations in order to make this institution a well-liked location to peer the entire globe through practical & technical education, which is the slogan of KEC. This modest piece of work is intended to inspire instructors, staff, and students to strive for greater heights in the future via craftsmanship.

Activities on eACCESS PROJECT



Visit to Lodz University of Technology, Poland



Prof. Rameshwar Rijal, Chairman of KEC, Er. Sushil Paudel and Er. Bishal Rimal, Lecturers of Kantipur Engineering College, participated in the Erasmus+ eACCESS Project Management Meeting, Training, and Workshop at Lodz University of Technology, Poland on July 11-15, 2022. During the visit, plan, progress, and issues for different pillars of the project were discussed. The KEC team participated in the training and workshops related to smart power engineering and also visited ABB power transformer factory at Lodz, Poland.

High Voltage Laboratory Visit: Poland and Greece

Prof. Rameshwar Rijal, Chairman of KEC, Er. Sushil Paudel, and Er. Bishal Rimal, Lecturers of KEC made a technical visit to the high voltage and power systems laboratory of the Aristotle University of Thessaloniki, Greece on March 21-22, 2022 and Lodz University of Technology, Poland on March 24-25, 2022 under the eACCESS project's 'technical visit'.

The main objective of this visit was to gain an understanding of the test facilities, experiments, and research projects being carried out at those laboratories from the perspective of planning and developing a new HV laboratory suitable for KEC. The visit also helped in curriculum modernization and development at KEC.

"There are two educations. One should teach us how to make a living and the other how to live."
—John Adams

eACCESS PMB Meeting at KEC



Kantipur Engineering College organized a PMB Meeting of Erasmus+ eACCESS Project on April 21-23, 2022 at Kantipur Engineering College. The participants in the meeting were Prof. Keshav Dahal from University of the West of Scotland, United Kingdom (UK), Mr. Hubert Bialas and Mr. Pawel Kelm from University of Technology, Lodz, Poland, Mr. Florentines Setiawan and Mr. Slamet Riyadi from SCU, Indonesia, Mr. Manoj Sharma and Mr. Namgay Tenzin from Royal University of Bhutan, Bhutan, Dr. Dimitrios Lampridis and Mrs. Aikaterini Chatzimikou from Aristotle University of Thessaloniki, Greece, Mr. Rajesh Thagurathi, Mr. Lalit Bikram Rana, Dr. Sujan Adhikari from Pokhara University, Nepal, and Prof. Rameshwar Rijal, Mr. Dipesh Shrestha, Mr. Bishal Rimal and Mr. Sushil Paudel from Kantipur Engineering College, Nepal.

The meeting was focused on the development, implementation and future planning of the deliverables of the project. All participants presented the progress of deliverables related to the partner organizations.

Workshop on High Voltage Laboratory



KEC successfully organized a bilateral meeting with Pokhara University and one day workshop on Establishment, Successful Operation and Sustainability of High Voltage Laboratory on 1 and 2 October, 2021 at Hotel Greenwich Village, Sanepa, Lalitpur.

The workshop aimed to enhance bilateral cooperation and the effective use of High Voltage Laboratory for academic and professional training purposes. Under the European Union funded eACCESS project the college is planning to establish a High Voltage Lab in its premises and will be of great value to the college, and other academic institutions. Delegates from Pokhara University, Nepal Electricity Authority, Kathmandu University and KEC participated in the workshop.

eACCESS Mobility to Indonesia

Prof. Rameshwar Rijal, Er. Sushil Paudel and Er. Bishal Rimal participated in the eACCESS project meeting and workshop held at Soejijopranata Catholic University (SCU) from October 31- November 4, 2022 held in Semarang, Indonesia. The meeting discussed about progress and way forward of the project. During the visit, KEC team participated in two workshops on microgrid and renewable energy. KEC presented final version of Automation and Power Electronics Laboratory to be installed at KEC.



Congratulations to The Phoenix of KANTIBIR

A girls' team "The Team Phoenix of KANTIBIR" developed a rescue robot and participated in the first Person View Ground Race organized by Ganesh Bikram Singh Team on July 23, 2022 at Texas International College, Kathmandu.

The team was able to bag the title of "Best Driving Skills" and comprised of Ojashwi Neupane, Shalu Rokka, Soniya Maharjan and Srijana Rijal.

Congratulations to the winner!

Activities on Erasmus+ SUNSpACe Project



SUNSpACe Farmers Training in Nepal

Kantipur Engineering College and Acme Engineering College under the Erasmus+ SUNSpACe Project have jointly organized farmers training in Nepal in three phases. The main objective of the trainings is to link farmers with the smart farming practice in Nepal using ICT, sensors and smart devices. The farmers were presented with four different modules of smart farming developed by the consortium: Digital Agriculture, Smart Farming, Standardization and Agro-Business Model. The farmers were also familiarized with the latest technologies for monitoring, control, and automation in farming by the experts from France, UK, Hungary, Thailand, Bhutan and Nepal. The farmers were also taught to install smart farming devices in their farms and to maintain and manage the devices making the cost of installation and maintenance affordable to the farmers.

The first phase was conducted on December 8-12, 2021 in which trainers to train smart farmers were developed. The second phase of training was organized on May 2-6, 2022 and the third phase was organized on November 10-13, 2022 at KEC and AEC. In the third phase, farmers from Nepal, Thailand and Bhutan participated in the training. The four day training was followed by a Cross Pilot Training on November 14-15, 2022 where the smart farmers trained in the first phase training of Nepal, Bhutan and Thailand interacted with each other and exchanged their experience of smart farming. The objective of cross pilot was to build a network between the farmers of Asian partners for sharing knowledge and experience.

University of Lumiere, Lyon 2, France, University of the West of Scotland, UK, Corvinus University of Budapest, Hungary, Chiang Mai University, Thailand, Khon Kaen University, Thailand, Royal University of Bhutan, Bhutan, Acme Engineering College, Nepal and Kantipur Engineering College, Nepal are the consortium partners of the SUNSpACe Project. In total more than 100 smart farmers from Nepal have been trained by the project including six students, two faculties and one staff from the college. The farmers were provided with certificates after the completion of the training. The online training platform can be accessed through www.sunspace.farm



SUNSpACe PMB Meeting and Training in Hungary and France



Prof. Rameshwar Rijal, Chairman of KEC and Local Coordinator of SUNSpACe Project, participated in a three-day SUNSpACe Project Meeting of SUNSpACe Project on March 16-18, 2022 at Corvinus University of Budapest, Hungary. The meeting was focused on the progress, implementation and future planning of the project.

Prof. Dr. Keshar Prasain, Principal of KEC and Mr. Tek Narayan Adhikari, Chief of Exam Section of KEC attended a three week training and meeting session at University of Lumiere, Lyon 2 France scheduled on June 22- July 9, 2022. The purpose of the visit was to complete the tasks led by KEC under the project.

Staff Orientation

Internal Quality Assurance Committee organized one day staff orientation programme on September 11, 2022 in the college premises to make staff familiarize about the Quality Assurance and Accreditation, the goals set by the college and ways to achieve them. Ms. Bunu Adhikari Dahal, Officer in Exam Section, Mr. Pitambar Simkhada, Library Incharge, Ms. Shrawana Joshi, Officer in Administration, Mr. Binod Subedi, Deputy Director, Prof. Nabin Chandra Sharma, Academic Coordinator and Prof. Dr. Keshar Prasain, Principal were the speakers in the programme. Ms. Dinu Acharya was the master of the ceremony of the program.



Delegate from the University of Missouri, Kansas Visit to KEC

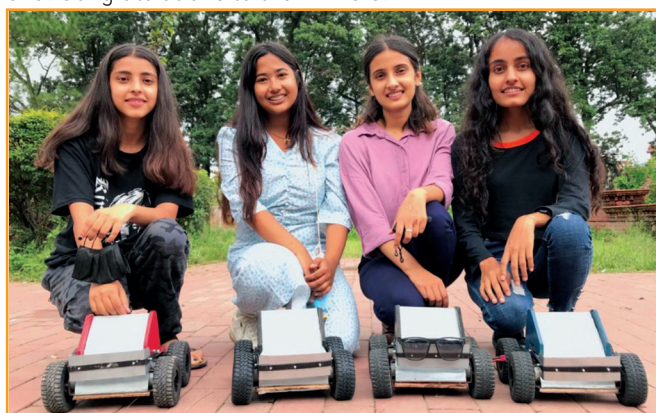


Kantipur Engineering College initiated a fruitful talk with Ms. Julie Myer, Coordinator, International Admissions, International Student Affairs Office of the University of Missouri-Kansas City for providing scholarships to the students of Kantipur Engineering College for masters/PhD programs in Engineering. Principal, Academic Coordinator, HODs, Section Chiefs and Division Chiefs of the college were present in the interaction.

Congratulations to Fireflies of KANTIBIR

A girls' team "The Fireflies of KANTIBIR" developed a rescue robot and participated in the first Person View Ground Race organized by the Ganesh Bikram Singh Team on July 23, 2022 at Texas International College, Kathmandu.

The team bagged the title of "Best Lady Controller" with Suraksha Pokhrel, Manisha Dahal, Prakriti Thapa and Priyanka Jha. Congratulations to the winners.



KEC Participation in 35th Anniversary of Erasmus+



Prof. Rameshwar Rijal, Chairman of Kantipur Engineering College, participated in an event organized by The European Union Delegation to Nepal on October 14, 2022 to mark the 35th Anniversary of Erasmus+.

In this context, the EU Delegation hosted a networking event for Nepalese universities engaged in "Capacity-Building of Higher Education Institution" program funded under the ERASMUS program. Capacity-building projects in the field of higher education are transnational cooperation projects, based on multilateral partnerships, primarily between higher education institutions from EU Member states or countries associated to the Programme and third countries not associated to the Programme.

Welcome & Farewell Program, 2079



Kantipur Engineering College organized Welcome and Farewell Program 2079 on 13 July 2022 at Nepal Academy Hall, Kathmandu. The program was organized with the initiation of Students' Organizing Committee with members: Mr. Ram Prasad Subedi, Mr. Bishwash Lamsal, Mr. Jhalak Khadka, Mr. Ritesh Pandey, Mr. Druba Kunwar, Mr. Amit Kushwaha, Mr. Pushkar Paudel and Mr. Pasang Temba Sherpa, representing students' unions to welcome the students of 2079 and 2078 batch. The students of 2074 and 2073 batch were also bid farewell at the event. The event was accompanied with cultural and musical program whereby the students showcased their talents and abilities. The program was chaired by Mr. Ram Prasad Subedi.

College Picnic 2022

Kantipur Engineering College organized a college picnic for its teaching faculty and staff on April 22, 2022 at Pataleban Vineyard Resort, Kathmandu. The event was planned to provide a platform for recreation and social interaction among the employees. Various refreshing and entertaining activities were done through games, songs, dances, etc. to make the day more joyful.



Communication Skill Session

As we prepare our students for the industry that the country needs, communication skill is one of the key areas where the students lack the necessary guidance. To accommodate this lack of course lacking, as an annual calendar event of the Department of Computer and Electronics Engineering, a session to enhance communication skill of both the III and IV year (computer and electronics) was organized on Jestha 18, 2079 with the facilitator from Spiralogs International Nepal. Kantipur Engineering College and Spiralogs International Nepal have been in close contact for more than 5 years. The session was led by Miss. Nisha Paudel, Communication Manager of Spiralogs International Nepal.

The impact of this session could be seen in our major and minor project defense where we see our students more confident in speaking and presenting themselves in front of us and the mass. Overall, the session was very good and fruitful which we can clearly see in the eyes of our students.

Career Counseling for 4th Year Students



A Career Counseling Session was organized by Research, Training and Consultancy Division (RTCD) on 23rd May 2022 for fourth year students of Computer Engineering, and Electronics, Communication and Information Engineering. In the session, experts from different training institutions, namely- Coding Technology, Broadway Infosys Nepal, Tech Axis, Dursikshya and Team Vertex Nepal presented on recent trends in IT and counseled the students on preparing themselves after their undergraduate level studies.

Electronics Kit Distribution



Mr. Maha Datta Paudel, Head of the Department of Engineering Science and Humanities and Dr. Keshar Prasain, Principal of the college distributed Electronics Kit to all newly enrolled students of Electronics, Communication and Information Engineering of 2078 Batch on Baisakh 26, 2079. The kit contains components like Arduino, Lcd 16*2, Pir sensor module, Ultra-sonic sensor, Dc motors, Digital multimeter and other basic components. Using these components students can develop various projects in the field of home-automation based on IOT, Smart Farming, Traffic Management, Security System using image processing, weather forecasting and many more.

Git/GitHub Workshop by Computer Club



Computer Club of KEC organized a Git/GitHub Workshop on July 17, 2022. A version control and GitHub session was thoughtfully selected to be the first training session of the KEC Computer Clubs- 2075's tenure.

The workshop was facilitated by Er. Akrit Subedi and Er Bijay Pandey, a total of 60+ students had gathered enthusiastically to bring this vision of the club into a reality. A soaring success indeed, as the 3 hours session went on to teach the enthusiasts, all about the most likely and needed GitHub commands and use cases that they may face in the coming years as they move to professionalism.

Workshop on Effectiveness of Teaching and Learning Approach Adopted in KEC



Internal Quality and Assurance Committee (IQAC) of Kantipur Engineering College (KEC) organized a workshop named Effectiveness of Teaching and Learning Approach adopted in KEC on September 13, 2022.

The main objectives of the workshop was to improve effectiveness and quality of teaching and learning approach at KEC. Prof. Er. Nabin Chandra Sharma, Academic Coordinator of KEC and Prof. Dr. Keshar Prasain, Principal of KEC elaborated the importance of workshop. During the session, students' learning attitudes, department and teachers' constraints, exam results, past/present approaches of teaching and learning were reviewed.

The workshop was actively participated by all the key personnel of KEC.

KEC Welcomes Prof. Nabin Chandra Sharma as Academic Coordinator



KEC family extends a warm welcome to Prof. Nabin Chandra Sharma in the capacity of Academic Coordinator in the institution. It is believed that the institute will unquestionably achieve its anticipated goals under your guidance and leadership utilizing your competence, professionalism, and academic domain experience. Prof. Sharma has served KEC in different capacity including Principal of the College. Professor Sharma has also served Institute of Engineering, TU and was one of the prominent faculty members of Civil Engineering at IOE.

Career Counseling on “How to Become a Data Engineer?”

A Counseling session on “How to Become a Data Engineer?” was organized on June 7, 2022 with the help from GrowByDataServices, a software company situated in Lalitpur. The session was led by Bimarsha Pokharel, Director of Product Engineering.

The session mainly focused on the key areas where data are being widely used. Mr. Pokharel emphasized on the importance of the data and how its analysis could turn a drawback into advantage. The students were given a detail insight of how data could be accessed and converted into usefulness. The key traits for a data engineer and the role that is to be played by every IT student as a data engineer in coming days was also portrayed in the session.

Congratulations!

KEC would like to congratulate the recently appointed Deputy Head of Department, Mr. Santosh Rawal, and Dept. Assistant, Mr. Krishna Prasad Gautam under the department of Engineering Science & Humanities and Dept. Assistant, Er. Saroj Sharma from Computer & Electronics Department. It is hoped that your skill, extensive experience, and commitment to the institute's academic excellence and overall operation of the concerned department will enable you to successfully manage the increased duty. We send you our very best wishes for a prosperous time at the college.

MOU with Hydrocon Nepal



Memorandum of Understanding (MOU) has been signed between Kantipur Engineering College and Hydrocon Nepal Private Limited to collaborate in research, training and training in the field of civil engineering. Prof. Dr. Keshar Prasain, Principal of KEC, Prof. Nabin Chandra Sharma, Academic Coordinator, KEC, Prof. Dr. Surendra Bahadur Tamrakar, Chief, RTCD, KEC, Er. Suddeep Thapa, HoD, Civil Engineering, KEC, Er. Kamal Katawal, Department Assistant, RTCD, KEC, Mr. Bishnu Prasad Pandey, Chairman of Hydrocon, Mr. Darpan Pudasini, Director, and Mr. Prabin Gyawali were present in the MOU signing ceremony.

We are hopeful that this collaboration will be helpful to the students of civil engineering in their learning, research and career opportunities.

MOU with Nepal Electricity Authority



Kantipur Engineering College and Nepal Electricity Authority (NEA) has signed a MOU on September 12, 2022 for research facilitation of implementing innovative sensor technology in power distribution network of NEA. Er. Sushil Poudel, Assistant Manager and Mr. Manoj Silwal, Deputy Managing Director from NEA, Prof. Dr. Keshar Prasain, Principal and Er. Sushil Paudel, Lecturer from KEC attended the MOU signing ceremony. Kantipur Engineering College under the Innovate UK- YETIS Project is a local coordinator in Nepal to coordinate in the deployment of novel sensors developed in partnership with KEC, Synaptec UK, the University of Strathclyde, and Condis.

MOU with Thoplo Machine Pvt. Ltd.



Kantipur Engineering College and Thoplo Machine Pvt. Ltd. have signed MOU to collaborate in preparing Startups for Smart Farming Practices in Nepal. The collaboration is based to bolster the Erasmus+ SUNSpAcE project objective to prepare smart farmers in Nepal for resources optimization, safe farming practices and producing high quality food. KEC and Thoplo Machine will work together in farmers training, research and paper publications.

MOU with KhonKaen University, Thailand



Kantipur Engineering College and The Faculty of Business Administration and Accountancy, KhonKaen University (KKU), Thailand signed a MOU under the European Union co-funded Erasmus+ "SUNSpAcE on May 4, 2022 at Hotel Kutumba, Lalitpur. The MOU focuses on joint research, faculty exchange, data sharing and helping farmers of both countries in using smart farming practices in Nepal and Thailand. Prof. Rameshwar Rijal, Chairman of KEC and Dr. Pensri Jaroenwanit, Dean of Faculty of Business Administration and Accountancy, Kohn Kaen University exchanged their signature.

MOU with Pokhara University



A Memorandum of Understanding (MOU) was signed between KEC and the Faculty of Science and Technology, PU for the use of High Voltage Laboratory to be established at KEC on October 2, 2021 at Hotel Greenwich Village, Sanepa. The objective of this MOU is to use the High Voltage Laboratory to be established in KEC by the students, faculty and staff of Pokhara University for academic and professional training purposes. The MOU was signed by Prof. Rameshwar Rijal, Principal of Kantipur Engineering College, and Associate Professor. Rajesh Kumar Thakurati, Dean of Faculty of Science and Technology.

KEC Enters in QAA Process



The role of College Management Committee (CMC) is always instrumental as a good guardian for the all-around developments of the institute. CMC recently decided to enter the QAA (Quality Assurance Accreditation) process under UGC (University Grants Commission Nepal), which was a huge decision to orient the college into the global arena through a globally recognized quality control mechanism.

KEC Enters in Social Security Fund SSF



सामाजिक सुरक्षा कोष
Social Security Fund



There is always supporting and the dominant role of the College Management Committee as a true facilitator for the overall development of KEC. As a responsible body, CMC decided to be a part of SSF Social Security Fund) since June 2021 for the welfare of all the teachers and staff in the form of Medical Insurance and Pension in their retirement where the CMC has decided to contribute 10% of the basic salary of each staff to fulfill its social responsibility.

Geology Field Visit 2079



Department of Civil Engineering of KEC organized Engineering Geology I Field Visit at Malekhu, Dhading on May 20-22, 2022 for 94 students of Civil Engineering II/I (2077 batch). Er. Niman Maharjan, Dr. Surendra Bahadur Tamrakar, Er. Kriti Dhungana, Mr. Pramod Simkhada, Mr. Swostik Adhikari, Mr. Upendra Baral and Mr. Anil Maharjan were the faculties and staff assisting the students in the field visit. The field visit helped the students to learn and explore various geological terms, geological formation and features of Nepal with actual on-site geological conditions.

Hydropower and Irrigation Field Visit



Department of Civil Engineering of KEC organized Engineering Irrigation and Hydropower Field Visit at Pokhara on May 28-31, 2022 for 92 students of Civil Engineering IV/I. Er. Kamal Katwal, Coordinator, Dr. Surendra Bahadur Tamrakar, Er. Imanath Duwadi, and Er. Srijan Subedi were with the students in the field visit. This field visit helped students to enhance their knowledge on Irrigation as well as Hydropower Engineering and their functional practices. Students visited Begnas Embankment and its command area with irrigation facility, Seti Diversion headworks and its command area, Seti Powerhouse, Fewa Dam, Fewa Powerhouse, Bijayapur Irrigation System and Bijayapur Powerhouse.

Survey Camp 2079



Survey Camp 2079 was conducted within the premises of NEA Training Centre, Kharipati, Bhaktapur from May 17-27, 2022. The Camp was led by Department Head Er. Sudeep Thapa and Er. Sabin Paudyal as camp Coordinator and sub-coordinator. The camp management and instruction team consisted of 14 members including Er. Kamal Katwal, Er. Abhinesh Khatri, Er. Arjun Paudel, Er. Saurav Shrestha, Er. Shrijan Subedi, Er. Sagar Kharel, Mr. Ram Aryal, Mr. Anankit Acharya, Mr. Sankalp Ghimire, Mr. Bishwo Niraula, Mr. Kumar Puri, Mr. Subash Basnet, Mr. Eka Bahadur Katwal and Mr. Krishna Maharjan.

The main objective of the survey camp was to make the students able to do various survey works necessary for any field related civil engineering works.

Educational Tour To Pokhara



Department of Computer and Electronics Engineering organized a four-day educational tour to Pokhara on March 1, 2022 for the third-year Computer and Electronics Engineering students.

During the tour, the students visited Seti hydropower and Madhya Marsyangdi hydropower.

The students also visited the operation and control site of Manakamana cable car. This provided an opportunity to students to grasp how the several disciplines in engineering like mechanical system, electrical and electronics system and microprocessor-based control system work in coherence for the proper functioning of cable car.

The tour served to enhance the students' knowledge in instrumentation, microprocessor and control system as well as familiarization with the work culture of real-world technical environment.

The tour was conducted under the supervision of a team of faculty: Anup KC (team leader), Bhuvan Adhikari, Bishal Thapa, Bishal Rimal and Pralhad Chapagain.

Industrial Automation Training

S.A.M. Engineering Solutions Pvt. Ltd. conducted an Orientation on PLC training for the third year and fourth year Electronics Engineering students. The orientation program was facilitated by Er. Santosh Prasad Singh, Managing Director of S.A.M. Engineering Solutions Pvt. Ltd. on July 7, 2022. This was a two-hour program that introduced the students about the industrial automation based on Industrial programmable logic controller. Students also got an opportunity to learn about role and necessity of switchgear automation, sensors, actuators, SCADA and HMI in the manufacturing industry. Overall, it provided a practical exposure of manufacturing plant and its machinery so that students have a basic knowledge about the automation in industry.

Guest Lecture on Verbal Communication



The Department of Computer and Electronics Engineering organized a verbal communication guest lecture cum training session with the help of Spiralogics International Nepal on Dec 28, 2021. The session was targeted for the third year students from Computer (BCT B) and Electronics, Communication and Information faculty of 2075 batch. The session was led by Mrs. Nisha Paudel, Communication Manager of Spiralogics International Nepal.

The objectives of the session was to familiarize third year students with the different communication skills needed academically as well as professionally. The session emphasized on how to gain confidence and develop body gesture skill for communication. The session included presentation from the session in-charge, discussion round on various topics prepared with the students and at last, a small play round with the textual paragraph.

"Intelligence plus character that is the goal of true education."

-Dr. Martin Luther King Jr.

Orientation program on Robotics



An orientation program was organized for the first year students of Electronics, Communication and Information Engineering on Monday, 23rd May, 2022. Er. Bikash Gurung and his colleague from Robotics Association of Nepal (RAN) delivered a presentation on the real life applications in the field of electronics and communication engineering. The students were shown various practical aspects of robotics, drones and 3D printing technologies along with some practical demonstration. The students participated with great enthusiasm and the session was very interactive and fruitful.

KEC Participates in Virtual International Summer School



Er. Bishal Thapa, faculty of KEC, and Mr. Grishan Pradhan and Mr. Raj Maharjan, students of Computer Engineering participated in a virtual Summer School on "Smart City Enterprise Architecture Virtual Reality School" organized by the BIPER (Business Informatics Program Reengineering). The program was led by three major European universities: Corvinus University of Budapest, University of Maribor and University of the West of Scotland and a leading tech company. The goal of the summer school was to develop a business model of an organization that is committed to the development of Smart cities. The 5 days event was held on July 20-24, 2022 using Virtual Reality Technology platform frame VR. Miro was used as remote collaboration tools.

Congratulations to WIZARDS of KANTIBIR



A boys' team named "The Wizards of KANTIBIR" developed a rescue robot and participated in the FPV ground race organized by the Ganesh Bikram Singh (GBS) Team on 23 July, 2022 at Texas International College, Kathmandu.

The team consisted of third and fourth year Electronics, Communication and Information Engineering students and third year Computer Engineering students. The team secured the position of "1st runner up".

The team members of "The Wizards of KANTIBIR" are: Pawan Bhandari, Prajjwol Shrestha, Subodh Acharya, Manish Budathoki and Abhinav Sah.

The theme of the competition was to build a rescue robot that can traverse in uneven terrain and deliver payload to destination and assess the condition of survivors.

Broadcast Engineering Field Visit



The Department of Computer and Electronics Engineering organized a one day field visit to Radio Nepal, Singha Durbar on January 8, 2022 for the 4th year Electronics students. The aim of the visit was to grasp the practical knowledge in the field of Broadcast Engineering, an Elective subject. The students were introduced to the different transmitters and various electronic components such as DIAC, TRIAC, etc. along with other techniques and technology used to make the overall operation of the Radio Nepal possible like sound proofing techniques, equalizing machines, broadcasting technologies, etc.

The students got familiarized with the history of Radio Nepal and the development of radio broadcasting technologies from the beginning of Radio Nepal to the present day. The officials of Radio Nepal enthusiastically communicated and answered the queries of students.



Basic Electronics Workshop



A workshop on Basic Electronics was organized for the newly enrolled 1st year student of Electronics, Communication and Information Engineering, by the Electronics Club of the college with the support from the students of BEX/BEI 2nd 3rd and 4th year on July 5, 2022. The two-day workshop introduced and familiarized the electronics components, sensors, instruments, etc. of the Electronics Kit box gifted to all new students of BEI. Further a basic LDR circuit was designed and tested with initial prototyping in breadboard followed by soldering in matrix board. A LED blinking and ultrasonic distance measuring script was coded and tested using Arduino IDE. All first year students participated in workshop.



Teachers Orientation

Internal Quality and Assurance Committee (IQAC) of Kantipur Engineering College (KEC) organized a Teachers' Orientation on Sept 15, 2022. The training was actively participated by the full time faculties of the college.

The main objective of the workshop was to orient teachers towards the revised responsibility, new approaches of teaching and learning and performance appraisal of teachers. Prof. Er. Nabin Chandra Sharma, Academic Coordinator of KEC highlighted and elaborated the objective of the program to the faculties. Prof. Dr. Keshar Prasain, Principal of KEC, presented a brief description of KEC and existing facilities provided to the faculties.

In the Session, Prof. Maha Datta Paudel, HOD of Engineering Science & Humanities described about various issues of Teaching- Learning Methods to be followed in KEC in the upcoming semester.



Er. Sudeep Thapa, HOD of Civil Engineering shared plans for the Monitoring and Supervision of teaching and learning environment including the roles of subject teacher, class teacher and teachers' appraisal. Er. Rabindra Khatri, HOD of Computer and Electronics discussed about issues of students' evaluation. Er. Anup KC, DHOD of Computer and Electronics delivered a short and nice presentation on effective teaching techniques for the class room.

Workshop on Team Building and Strategic Planning



A three-day workshop on Team Building and Strategic Planning was organized by Internal Quality Assurance Committee (IQAC) of Kantipur Engineering College on September 4-6, 2022 in its premises. The main objective of the workshop was to familiarize the key persons, faculty, and staff of the college with Quality Assurance and Accreditation (QAA) under University Grants Commission Nepal (UGC) and developing strategic plans for overall growth and development of the college through teamwork. To achieve the expected outcomes, thirteen committees have been formed by the college under the IQAC with more than forty-three teaching and administration staff and rigorous discussions, presentations and feedback sessions were conducted during the workshop. The workshop proved to be a constructive platform for all the participants and the overall operation of college with the participatory approach, which was instrumental in laying the foundation for meeting the QAA directives. KEC is determined to get the QAA certification from UGC and assures all the students, faculty, staff and guardians of the college that highest level of academic and professional standards will be maintained by the college. The workshop was facilitated by Mr. Sagar Gyawali and his team from Pragmatic Research and Innovations Pvt. Ltd.

MOU with Genese Academy



Kantipur Engineering College signed a MOU with Genese Academy for collaboration in offering "Enterprise Computing" for the seventh semester and "Data Technologies" for the eight semester elective course in the Department of Computer and Electronics. The academy shall onboard students on AWS Academy, offer AWS learning platform for the students, on job training and support students of KEC for further professional career.

Dr. Keshar Prasain, Principal of KEC and Mr. Nilmani Neupane, Program Manager of Genese Academy signed the MOU.

"Education is not the learning facts, but the training of the mind to think."
- Albert Einstein

New Appointment And Motivation

NEW APPOINTMENT

Prof. Er. Nabin Chandra Sharma	Academic Coordinator
Dr. Bibek Tamang	Senior Lecturer (Civil)
Er. Susheel Joshi	Lecturer – (Electronics & Communication)
Er. Sagar Khadka	Lecturer – (Electronics & Communication)
Er. Suman Shrestha	System Administrator
Er. Binod Dhakal	Lecturer – (Electronics & Communication)
Er. Gopal Karn	Lecturer – (Electronics & Communication)
Er. Sahaj Shakya	Lecturer – (Electronics & Communication)
Er. Saurav Shrestha	Lecturer (Civil)
Er. Rujan Timsina	Lecturer (Mechanical)
Er. Srijan Subedi Chowi	Lecturer (Civil)
Er. Sagar Kharel	Lecturer (Civil)
Er. Nishan Khanal	Lecturer (Computer)
Er. Kabin Devkota	Lecturer (Computer)
Er. Udit Bista	Lecturer (Computer)
Er. Prem Bahadur KC	Lecturer (Mechanical)
Er. Pawan Acharya	Lecturer (Computer)
Er. Tanka Nath Adhikari	Lecturer (Electrical)
Er. Sabin Kasula	Lecturer (Electrical)
Mr. Dipak Bahadur Dani	Deputy Instructor
Mr. Riway Shrestha	Office Assistant
Mr. Krishnanandan Kushwaha	Assistant Instructor

FACULTY PROMOTION

PROMOTED TO:

Prof. Dr. Keshar Prasain	Professor
Prof. Mr. Maha Datta Paudel	Professor
Prof. Dr. Surendra Bahadur Tamrakar	Professor
Mr. Binod Subedi	Deputy Director
Mr. Sujan Sharma Dhungana	Assistant Instructor

"The highest education is that which does not merely give us information but makes our life in harmony with all existence."

- Rabindranath Tagore

Final Year Projects of 2074 Batch

ELECTRONICS ENGINEERING

- » Smart Traffic Management System
- » Smart Shopping Cart
- » Home Automation & Security using IOT
- » Smart Glass and Text Reader for Visually Impaired Person
- » CNC based Automatic Farming
- » Health Monitoring and Ventilating System
- » COVID -19 Detection and Prevention

COMPUTER ENGINEERING

- » Smart Traveller: A Travel Recommendation System
- » Sentiment Analysis on Movie Review
- » Heart Disease Prediction
- » Detection of Pneumonia using CNN Method
- » Diabetes Prediction System using Classification Algorithm
- » Sahayogi: Cash and Voucher Assistance using Blockchain
- » Twitter Sentiment Analysis on Gadget Reviews
- » Plant Diseases Detection System using Deep Learning
- » Stock Trading of Bank and Financial Institution using Reinforcement Learning
- » Nepali Text Mate
- » Offline Signature Verification using Convolution Neural Network
- » Handwritten Equation Solver and Visualizer
- » Face Recognition and Head Pose Estimation for Online Examination
- » Face Mask Detection System
- » Netra- An Image Descriptor
- » Transportation System Service for Grocery Cart
- » RAGE-Real time Age, Gender, Emotion Detection using CNN
- » Detection of Brain Tumor using Classification Algorithm
- » Virtual Mouse using Hand Gesture
- » Multi-Factor Authentication System
- » Secure File Storage on Cloud using Hybrid Cryptography
- » Secure Messaging using RSA and AES Cryptography Algorithm
- » Video Call using WEB-RTC

CIVIL ENGINEERING

- » Seismic Resistant Analysis and Structural Design of Multi-Storeyed RCC Commercial Building
- » Design of Multi-storied Seismic Resistant hospital Building
- » Seismic Analysis and Design of RCC Structure of Hospital Building
- » Earthquake Resistant Analysis and Design of Multistoried Residential Building
- » Earthquake Resistant Design of High Rise School Building
- » Seismic Analysis, Structural Design and Ductile Detailing of Multistoried Commercial Building
- » Earthquake Resistant Analysis and Design of Multistoried Building Structure
- » Earthquake Resistant Analysis and Design of Multistoried Residential Building
- » Earthquake Resistant Design of Hospital Building
- » Analysis and Design of Earthquake Resistant Office Building
- » Earthquake Resistance Design of Multistoried Hospital Building at Pokhara
- » Design of Multistoried Seismic Resistant Commercial Building
- » Earthquake Resistant Analysis and Design of Multistorey RCC Educational Building
- » Estimation of Level of Service at Signalized Intersection (New Baneshwor)
- » Road Safety Audit Along Ringroad
- » Earthquake Resistance Design of Multistoried Hospital Building at Kanchanpur
- » Calibration of Conventional Macroscopic Traffic Flow Model: A Case Study of Maitighar Tinkune Road
- » Earthquake Resistant Analysis and Design of High Rise Building
- » Analysis and Design of Prestressed T-Girder Bridge over Thoppal Khola, Fishtar
- » Detailed Engineering Survey, Geometric Design, Pavement Design and Cost Estimate of Taukhel-Godawari Road, Lalitpur Road Section
- » Detailed Engineering Survey, Geometric Design, Pavement Design and Cost Estimate of Sanogaun Road, Lalitpur Road Section

KEC Congratulates all the high achievers on getting such impressive marks!
Wishing you continued success ahead !!!

Distinction Holders

Distinction Holders of Academic Year 2075/76

BCE I/I

Anisha Budhathoki	85.63
Arpan Thapa	84.6
Binamra Shrestha	80.15
Paras Chaudhary	85.04
Rahul Bajracharya	82.38
Ranjit Kumar Thakur	81.34

BCE II/I

Kanchan Budhathoki	80.58
--------------------	-------

BCT I/I

Prayash Thapa	80.42
Saroj Dangol	80.28

BCT II/I

Binita Shrestha	83.09
Raul Shahi	82.52
Reeti Pradhananga	84.58
Saramsh Gautam	81.6

Distinction Holders of Academic Year 2076/77

BCE I/I

Amit Koirala	89.93
Anmol Budhathoki	84.89
Dinesh Khadka	84.89
Kushal Jung K.C.	80.3
Nimesh Koirala	81.78
Niraj Lamichhane	82.82
Peshal Poudel	83.71
Prasang Sharma	80.15
Pratik Yadav	80
Sarita Kumari Lama	83.71
Saugat Karki	81.34
Stela Shrestha	86.38
Sweta Pradhan	88.6
Swojita Khatri	80.3

BCE III/I

Dikshya Bista	80.92
Dilli Bahadur Basnet	80.46

Dipesh Bhujel	83.09
Kanchan Budhathoki	84.12
Sarat Mishra	83.09
Saujanya R.C.	80.81

BCT I/I

Soniya Maharjan	80
-----------------	----

BCT III/I

Binita Shrestha	83.66
Meshuka Rayamajhi	80.81
Reeti Pradhananga	86.75
Saramsh Gautam	82.52

BCE I/II

Anmol Budhathoki	80
------------------	----

BCT I/II

Jasmine Bajracharya	82.16
Kashyap Ghimire	88
Rinky Maharjan	88.62
Santosh Adhikari	80.47
Soniya Maharjan	86.93

BCT II/II

Prajal Govinda Vaidya	80.67
Prayash Thapa	82.23
Raj Maharjan	81.78
Saroj Dangol	84.56

BCT III/II

Binita Shrestha	84.37
Reeti Pradhananga	89.1
Saramsh Gautam	81.34

Distinction Holders of Academic Year 2077/78

BCE I/I

Kaushal Malbul	80.75
----------------	-------

BCE IV/I

Kanchan Budhathoki	85.34
--------------------	-------

BCT I/I

Smarika Shrestha	83.87
------------------	-------

BCT II/I

Binit Shakya	81.15
--------------	-------

Kashyap Ghimire	82.86
Rinky Maharjan	84.12
Soniya Maharjan	84.12

BCT IV/II

Binita Shrestha	85.22
Dipendra Kumar Bista	80.85
Jenisha Khaiguli	82.91
Meshuka Rayamajhi	81.7
Raul Shahi	82.91
Reeti Pradhananga	89.34
Saramsh Gautam	87.52
Sarina Joshi	80.49

BCE I/II

Anita Khadka	81.72
Kaushal Malbul	80.29
Manish Sharma	84.58

BCE IV/II

Anankit Acharya	81.54
Dikshya Bista	80.62
Kanchan Budhathoki	84.62
Sarat Mishra	80.0

BCT I/II

Angel Tamang	81.85
Ankit Shrestha	82.0
Niranjan Acharya	80.31
Shubham Chapagain	84.62
Smarika Shrestha	91.54
Smriti B.K.	82.93
Subham Acharya	82.31

BCT II/II

Aayush Shrestha	81.89
Binit Shakya	82.45
Jasmine Bajracharya	82.67
Kashyap Ghimire	81.89
Rinky Maharjan	83.67
Santosh Adhikari	80.45
Soniya Maharjan	89.23

BEI II/II

Anuj Koirala	82.71
--------------	-------

KEC Acoustic Night



Music is one of the most precious gifts to mankind which resonates and conveys thoughts in a matter greater than any other. To resonate music through the premises of KEC, the 4th year students of the college organized Acoustic Night on June 17, 2022. We believe that as much as studies a true COLLEGE EXPERIENCE is important, and we are overwhelmed to have been the pioneers of providing this experience to the college students.

The event was inaugurated by Mr. Maha Datta Paudel, HOD, Engineering Science and Humanities Department. Various performances were showcased by the students of this college and guest students from other colleges who had registered for the event. The Event ended with the overwhelming performance of Guest Artist Rachana Dahal and The Band which was truly mind blowing.



Congratulations to the newly promoted Professors at KEC

Congratulations are gladly extended by KEC to Dr. Keshar Prasain, Dr. Surendra Bahadur Tamrakar, and Mr. Maha Datta Paudel on being elevated to the position of Professor in the college. It is expected that the institute would receive more contributions from

all the applicants for its academic brilliance through collaboration and effective communication with all the concerned authorities. Your dedication and skill on behalf of college have earned you your new job, and the college is really delighted for you.



Prof. Dr. Keshar Prasain
Principal
PhD in Chemistry
Kansas State University, USA



Prof. Maha Datta Paudel
Head: Department of Engineering
Science and Humanities
M.Sc in Physics
Tribhuvan University



Prof. Dr. Surendra B. Tamrakar
Head of Research, Training and
Consultancy Division
PhD in Geotechnical Engineering
Hokkaido University, Japan