



KEC NEWSLETTER

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EDITORIAL

Namaskar! Warm greetings and a hearty welcome to the 14th edition of KEC Newsletter!

Kathmandu Engineering College believes in the all rounded development of our students and faculty members. With this objective, we organized and participated in various notable events this semester.

The academic and intellectual environment of KEC was enhanced by yet another edition of the yearly **OKRP Conference** under the leadership Er. Pratima Pradhan. The conference proved to be an opportunity for inter-exchange of knowledge between the researchers and participants.

Furthermore, KEC strengthened its ties with the **Handong Global University** through a visit of the vice principal and few faculty members to the University as **guest lecturers** under the **UNESCO UNITWIN program**. KEC also signed the memorandum of understanding with the **University of Prince Edward Island** of Canada for mutual cooperation.

This semester too, KEC organized an **Art of Living Happiness Course** for the physical and emotional wellbeing of the newly admitted students aiming towards their better academic and social performance.

Moreover, the students of KEC continued to participate and win in various co-curricular competitions and events: Architecture 2071 batch student **Riya Sthapit** won the **Berger IDEA 2018 award** while the **ROBOTICS Club** of KEC won the **Best Idea Award** at Yomari Code camp in Locus 2018.

Likewise, the students of KEC continued to bring out their sense of social responsibility through various charitable works. The HHelp Club of KEC organized the blood donation programme and also distributed goods to support the **Dharmus Suntali Foundation**. Also, the **Rotaract Club** of KEC distributed stationery to the underprivileged students of various government schools.

KEC strives towards excellence in providing quality education and yielding professionals for the competitive global job market. In this regard, we would like to thank all the stakeholders, students, parents and well-wishers for their continual support to this institution to attain academic and professional excellence.

Associate Prof. Shailita Manandhar Joshi
Editor – in - Chief



Student representing KEC in ARCASIA, Japan



YOG practice in KEC



Welcome -Farewell 2075



Academic Scholar recognition 2075



Saraswati Puja held in KEC



Welcome -Farewell 2075

Art of Living Happiness

Programme , Bhadra 20 - Asoj 5, 2075

The Art of Living Happiness Program was conducted at the KEC seminar hall for the newly admitted students of all faculties of 2075 batch. The program was aimed at making the students spiritually aware and socially more connected with their peers. The program also focused on the distinctive breathing technique, Sudarshan Kriya, which restores body, mind and spirit to its natural intonation. The programme was facilitated by Dr. Sakuna Dani, a well-recognized teacher of Art of Living.



Academic Enhancement Program, Asoj 21- 22, 2075



The annual two-day academic enhancement program was organized this year at Country Villa, Nagarkot. The chairman, principal, board members, advisors, vice principal, heads of departments, faculty members and senior staffs of the college participated in the program. The event aimed to be both a formal workshop and a retreat session. On the first day of the program, the heads of various departments delivered presentations

including the analysis of results and strategic planning for the coming semester. On the second day, advisors of various departments gave a review on their respective departments stressing on the need to focus on critical subjects. The program concluded with an address from the chairman, Prof. Hirendra Man Pradhan, commending each department for their enhanced academic performance and continuous teamwork.

Orientation to 2075 batch , Kartik 30 to Mangsir 01 , 2075

An orientation program for the new batch of 2075 was organized at the college seminar hall on Kartik 30 and Mangsir 01 2075. The first year students of all faculties along with their parents attended the program. During the programme, the students and parents were acquainted with academics and various other aspects of the college. The students and parents also had an

opportunity to listen to and interact with the Chairman/ Principal of the college Prof. Hirendra Man Pradhan. The programme was also attended by the department advisors, vice principal, members of the monitoring cell, heads and deputy heads of all departments and units and faculty members.



Visit to Hangdong Global University Pohang, South Korea, Mangsir 10- 15, 2075

Handong Global University and Kathmandu Engineering College have entered in an agreement to develop academic and cultural exchange programs. On Mangsir 10, 2075, Asso. Prof. Shailita M. Joshi, Asso. Prof. Moon Singh Dongol and Sr.

Lecturer Subash Phuyal were invited in the University to meet the president of the University, Chang Soon Heung and give lectures on specific topics such as “Traditional Architecture of Nepal”, “Housing in Nepal” and “BIM in Nepal” respectively.

OKRP CONFERENCE, Kathmandu Engineering College, Poush 7, 2075

On Poush 7, 2075, Office of KEC Research and Publication (OKRP) organized a one-day conference at KEC premises. The program had a keen participation from different Engineering Colleges in Nepal, which was inaugurated by the chief guest, the then Dean of IOE, Prof. Dr. Tri Ratna Bajracharya. The program had the conference highlights, brought forward by the Editor in chief of OKRP, Prof. Dr. Dinesh Kumar Sharma. OKRP is an annual event of KEC established in order to promote research activities under the initiation and leadership of Er. Pratima Pradhan (Associate Editor), supported by dedicated researchers Asso. Prof. Anmol Ratna Bajracharya and Sr. Lec. Suramya Sharma. In general, all the distinguished speakers gave their presentations on various range of present day research topics. The speakers included, Prof. Dr. Subarna Shakya (IOE Pulchowk Campus), and Mr. Satish Gautam, (Renewable Energy for Livelihood).

There were three independent paper presentation sessions on Electronics, Communication, and Computer Engineering, Architecture and Electrical Engineering chaired by Dr. Surendra Shrestha, Asso. Prof. Ar. Chand S. Rana, and Prof. Dr. Indra Man Tamrakar respectively along with the respective department heads.

The first session included paper presentations on various topics like, “Implementation of Data Mining Techniques to find the correlation”, “Smart Gloves, Multi-Dimensional Real Time Hologram Audio Visualizer” and “Solar Driven Auto Irrigation System” by the authors from



Electronics, Communication and Computer Engineering. Similarly the second session of the presentation were given by the authors from the department of architecture about, “A Housing Morphology; For the case of proposed Panchkhal Smart City” and “Integration Conservation and Tourism Masterplan of Sankhu, Shankharpur Municipality”.

Furthermore, the third session included the Electrical Engineers and researchers presenting their research in “Improved Unsaturated to Saturated Logic Level Translation with Automatic Change on Reference Voltage”, “Control of Solid State Transformer for Reactive Power and Harmonics Compensation”, “Smart Meter Variable Tariff System for Demand Size Management” and “Fault Analysis in Overhead Transmission Line Using Discrete Wavelet Transformation”.

MOU with University of Prince Edward Island, Canada, *KEC, Poush 5, 2075*

Department of Electrical Engineering, KEC, signed an MOU with University of Prince Edward Island, Canada on 5th Poush, 2075. The MOU was signed between Prof. Hirendra Man Pradhan, Chairman/ Principal, Kathmandu Engineering College and Dr. Alaa Abd-El-Aziz, Vice Chancellor, University

of Prince Edward Island. The MOU focused on cooperation in education and academic fields so as to explore the establishment of exchange programs and collaborative research opportunities. It further emphasized on exchange of academic staff and student for the purpose of teaching, learning and research.



‘100 YOUTH OUR FUTURE’,

Kathmandu Engineering College, Magh 6, 2075

Nepal Automobiles Association NASA and Kathmandu Engineering College jointly organized a ROBOTICS CAR COMPETITION for FIA Sports Grant Program; on 6th Magh 2075 at Kathmandu Engineering College. A total of 13 teams competed on the program and on the last game, with mere difference of 4 seconds; team Black and White had victory over team Super Devils. Bijay Poudel, Soni Thakuri and Sadikshya Acharya, of winning team, as well as other participants received certificates of appreciation from Mr. Dasharath Risal, Chairman, NASA, Mr. Sushil Tandukar, Secretary, NASA, Pravesh Poudel, Secretary, IAE and coordinator of the program, Sr. Lec. Manchan Tiwari. Under the campaign “100 YOUTH OUR FUTURE”, 100 students from Kathmandu Engineering College were



involved in different training programs and then they participated in various other competitions. The top 7 participants have been selected for the go-carts training to be held in K-1 Racing Circuit in Singapore, in the near future.

Presidential Faculty Futsal Tournament,

Kathmandu Engineering College, Magh 19, 2075

Kathmandu Engineering College faculty futsal team won the 2nd edition of Presidential Faculty Futsal Tournament held on Magh 19, 2075. The event was organized by Presidential Business School in the premises of Dhanyantari Futsal Ground, Kalopul, Kathmandu. A total of 10 teams from different colleges of Kathmandu valley took part in the event. The final was played between teams from Kathmandu Engineering College and Kantipur City College, which the former won with a margin of 3-2. Apart from the tournament, players from Kathmandu Engineering College also won individual award of highest scorer of the tournament and the best goal keeper.



ACADEMIC SCHOLAR RECOGNITION PROGRAMME, SARASWATI PUJA AND CULTURAL PROGRAM , Kathmandu Engineering College, Magh 27, 2075



Kathmandu Engineering College organized a felicitation program to honor outstanding achievers in teaching and learning. The top students from different faculties with best academic performance in the previous semester were awarded accordingly. Similarly teachers and staffs from the respective Departments were recognized as best teacher and best staff of the year. The program was an initiation to motivate the teachers and students to further their excellence in the field of teaching and learning. Along with the academic scholar recognition program, Saraswati Puja and cultural programme was organised by KEC Boys Hostel and Madhesh Samparka Samiti.

INTERNATIONAL WOMEN'S DAY, Kathmandu Engineering College, Falgun 24, 2075

On Falgun 24 International Women's day was celebrated with a talk show initiated by Er. Pratima Pradhan at Kathmandu Engineering College. The program was conducted within this year's IWD theme # Balance for Better. Various guests were invited for this program that included four presentations and panel discussion session. Ms. Suju Poon (Women Lead Nepal), Ms. Subhangi Rana (Pad2Go), Ms. Eda Rijal (Sochware) and representative from 'Women Leaders' gave a presentation based on the theme. After the guest presentation, panel presentation was seated by four guest Mrs. Prasanna Basnet (Cotton Mills, Nepal), Prof. Dr. Shailendra Kr. Mishra (IOE/KEC), Asso. Prof. Shailita Manandhar Joshi (KEC) and Mrs. Bijeta Poudyal (KEC).



2ND KEC INTER COLLEGE FACULTY FUTSAL , Kathmandu Engineering College, Chaitra 18, 2075

Kathmandu Engineering College organized 2nd KEC Inter College Faculty futsal on Chaitra 18. The event was inaugurated by Prof. Hirendra Man Pradhan, Chairman/Princial of Kathmandu Engineering College. A total of 9 faculty teams participated in the event from 8 engineering colleges. Competitive teams and supportive crowd made the competition a spectacle to watch. The final was played between Advanced College of Engineering and Management and Sagarmatha Engineering College. The nail biting finale was decided on tie breaker and like previous year the winner was Advanced College of Engineering and Management. After the distribution of prize and token of appreciation, the coordinator of the event, Senior Lecturer Arjun Poudel announced that the event from now on will be organized every six month to bolster



cooperation and cohesiveness among faculties from different Engineering colleges. He further stressed that the event should be organized by different engineering colleges and accordingly handed over the responsibility to organize the next event to Sagarmatha Engineering College after six months.

Mind Matters & Work – Life Balance:

Kathmandu Engineering College, Chaitra 24, 2075

A one day talk program for the corporate world, entrepreneurs and startups was organized at Kathmandu Engineering College by Art of Living, Nepal, on Chaitra 24, 2075. The key speaker of the event Rishi Nitya Pragya focused

on inspirational leadership and key ingredients for right decision making, success and motivation. Participants from Kathmandu Engineering College and various other corporate houses made the event a grand success.

DEPARTMENT OF CIVIL ENGINEERING

GEOLOGY FIELD VISIT, MALEKHU KHOLA, *Magh 22-24, 2075*



The Department of Civil Engineering organized a geological field visit to Malekhu for the students of second year from Magh 22 to 24, 2075. A total of 96 students went for the visit and were coordinated by Er. Harshikesh Karna, Er.

Rajan Nehmanphuki, and Geologists Badal Pokharel, Sheela Bhattarai and Rosina Mali. The main objective of the field visit was to familiarize the second year students with the different types of rocks and geological features on the surface of Earth.

HYDROLOGY FIELD VISIT, DOLALGHAT, *Falgun 16-18, 2075*



The Department of Civil Engineering organized a three- day hydrology field visit to Dolalghat, Kavre for the students of III Year Part I of Bachelor in Civil Engineering from Falgun 16-18, 2075. The trip was attended by a total of 116 students and

was facilitated by faculty members namely Er. Tirtha Raj Karki, Er. Nimesh Karki and Er. Laxmi Narayan Chaudhary. The main objective of the visit was to teach the students to measure the discharge of river using methods prescribed in the IOE syllabus.

SURVEY CAMP, BUDHANILKANTHA SCHOOL, *BudhanilKantha, Kartik 8-18, 2075*

The Department of Civil Engineering organized a Survey Camp for III Year Part I students at Budhanilkantha School from Kartik 8-18, 2075. A total of 116 students participated in the camp which was coordinated by 12 teachers and assisted by 8 staff members. The eleven day survey camp was organized in order to upgrade knowledge of third-year students in survey and to

ensure that the students are able to handle instruments efficiently and confidently conduct engineering survey with the required level of accuracy and efficiency. Besides, the camp was able to significantly improve professionalism within the students. Also, the survey camp aimed at improving the skills of team work, coordination and decision making amongst the students.

STRUCTURAL ANALYSIS PROGRAM AND AUTOCAD TRAINING,

KEC Premises, Poush 2 to Present.

The Department of Civil Engineering has been conducting special training programs on Structural Analysis Program (SAP) and AutoCAD for final year students of Bachelor in Civil Engineering in order to facilitate them with the skills needed to do the final year projects, especially related to the design and construction of buildings. This year's training was conducted by Er. Harshikesh Karna, Er. Albert Dahal, Er. Tirtha Karki, Er. Aalok Sharma Kafle, Er. Nimesh Karki and Er. Sandeep Bhandari. A total of 80 students were enrolled in the class.



DEPARTMENT OF ELECTRONICS, COMMUNICATION AND INFORMATION ENGINEERING

EDUCATIONAL TOUR, *Mangshir 14-17, 2075*

The Department of Electronics, Communication and Information Engineering, KEC organized a four days educational tour to Pokhara and Sauraha from 14 to 17 Mangshir 2075. The tour was attended by students of III year, Bachelors of Electronics and Communication

Engineering and was facilitated by Asso. Prof. Anmol Ratna Bajracharya, and lecturer Kunal Kumar Mishra. The annual tour of third year students had main objective of exposing students to technological advancement, particularly in the field of communication, happening around the country.

CASE STUDY FOR THE SUBJECT : INSTRUMENTATION II, *21-29 Magh 2075*

Case study for the subject Instrumentation II was held by the Department of Electronics, Communication and Information Engineering, KEC, for 9 days, from 21-29th Magh 2075. The students of 3rd year visited various organizations in Kathmandu valley during the period. They were divided into different groups and different dates were scheduled according to the companies they visited.

The main objective of the case study in various industries and companies was to observe and suggest an innovative idea to implement Electronics Engineering for the technological enhancement of current implementations. All of the students completed the necessary case study as per their schedule and requirements.

CASE STUDY FOR THE SUBJECT: ORGANIZATION AND MANAGEMENT, *Magh 21-29, 2075*

Case study for the subject, Organization and Management was held by the Department of Electronics, Communication and Information Engineering, KEC. The students of 4th year were allocated time to visit various organizations in Kathmandu valley during the period of 21-29, Magh 2075. As per the time frame provided, they completed the study and submitted their reports accordingly. The Case study in various organizations and companies had main objective to make students observe the organizational structure and management hierarchy so that the students were able to understand the course content practically.

HIMALAYAN CONFERENCE ON ADVANCED ENGINEERING AND ICT CONVERGENCE

The 2nd International Himalayan Conference on Advanced Engineering and ICT Convergence 2019 was organized by ICAEIC-2019 at Yellow Pagoda, Kathmandu. Asso. Prof. Ganesh Gautam of Kathmandu Engineering College was awarded with best paper award for his paper on "Internet Protocol Address Assignment in Internet of Things, IoT, for smart city development".

FIELD VISIT FOR THE SUBJECT: TELECOMMUNICATION, *Falgun 17, 2075*

As per the subject's requirement, telecommunication field visit was organized by the Department of Electronics, Communication and Information Engineering, KEC. The students of 4th year Electronics, accompanied by Lecturers Gaurav Gautam and Ravi Poudel visited Telecom Training Centre, Babarmahal Kathmandu. Students were given a detailed overview of switching system used in telecommunication and equipments in BTS. The field visit had an objective of introducing practical knowledge to the students regarding the theories.



DEPARTMENT OF ELECTRICAL ENGINEERING

TRAINING ON NUMERICAL RELAY, *Kartik 8-9, 2075*

Department of Electrical Engineering, Kathmandu Engineering College organized an event regarding the training on numerical relay from 8-9th of Kartik 2075, at Power Lab KEC. A total of 12 students took part in the training accompanied by Advisor Mr. Indraman Tamrakar, Head of Department,

Deputy Head of Department, and other faculty members. The main objective of the training was to make the students familiar with the numerical relay donated by Schweitzer Engineering Laboratory, Inc, USA. A presentation was given by Mr. Arun Shrestha, currently working in the same organization.

COLLABORATIVE RESEARCH ON “INNOVATE, DESIGN, DEVELOPMENT, TESTING AND COMMISSIONING OF DIGITAL LOAD CONTROLLER”, *Mangsir 26- Poush 3, 2075*

Collaborative research on “INNOVATE, DESIGN, DEVELOPMENT, TESTING AND COMMISSIONING OF DIGITAL LOAD CONTROLLER” was held at Taplejung district from 26th Mangsir to 3rd Poush 2075. The idea of the research was to disseminate the knowledge gained by the engineering students. The research was conducted by students, Mr. Bidur Poudel and Mr. Abhishek, accompanied by AEPC team, Press and Lecturer Nischal Guruwacharya from KEC.

As per the research criterion, five micro hydropower projects in Taplejung district were successfully interconnected in mini grid and the testing and commissioning of mini grid was done with the help of AEPC, Pressu Electronics, Techno Village Pvt. Ltd., KEC, AKA group Canada and UPEI Canada.



MICRO-HYDRO FIELD VISIT, *Dhading, Ashad 19-20, 2075*

Department of Electrical Engineering organized a Micro-Hydro field visit to Malekhu khola MHP (26kW) at Mahadevsthan, Dhading, for 4th year students as per the requirement of the syllabus for elective III - Microhydropower. The trip was led by Lecturer Nischal Guruwacharya and Lecturer Kanchan Bohra and assisted by Mr. Dharma Lamichhane. A total of 36 students participated in the visit. The main objective of the field visit was to provide practical knowledge of Micro-Hydropower Plant and to conduct the practical itself.



CONGRATULATIONS

Rupak Maharjan and Gita Shrestha
Alumni of Kathmandu Engineering College for
winning the design of
5000 Capacity Convention Center at
Madhyapur Thimi, Bhaktapur



DEPARTMENT OF ARCHITECTURE



FIELD VISIT OF FIRST YEAR 2075 BATCH AT BHAKTAPUR BRICK AND TILE INDUSTRY, Poush 5, 2075

The Department Of Architecture organized a field visit for students of year I part I to Bhaktapur Brick and Tile Factory Pvt. Ltd. located in Jagati on Poush 5, 2075. The visit was conducted as per the course requirement for the subject 'Building Material I' and was attended by 48 students. Sr. Lec. Subash Phuyal and Lec. Danking Bahadur Bhujel coordinated the program. The main objective of the visit was to gain practical knowledge about brick, one of the most widely used building material in Nepal, and observe its manufacturing process.

7TH ASIAN PAINTS COLLEGE LEVEL DESIGN COMPETITION AWARD CEREMONY, Poush 11, 2075



The 7th Asian Paints Awards ceremony was jointly organized by Kathmandu Engineering College and Asian Paints at KEC seminar hall on Poush 11, 2075. There were 13 students participating in the competition, out of which all students were selected for the final presentation. During the ceremony, awards were distributed to top three winners of the competition. Top 5 students- Swastika Regmi, Sonal Shrestha, Aayush Shrestha, Shreya Singh and Dipti Mainali were announced as participants for the 5th National Level competition. The competition was organized on the theme 'Pavilion Design at Kirtipur'. The final jury members were Ar. Sanjay Lal Shrestha from Outre' Design Pvt. Ltd. And Ar. Poonam Shah from Shah Consults Pvt. Ltd.

KALAEIDOSCOPE ALL NEPAL ARCHITECTURE STUDENTS' DESIGN COMPETITION,

Sauraha-Hetauda, Poush 21-23, 2075

The all Nepal architecture Students' Design Competition was launched by the Asian Paints Nepal Pvt. Ltd. on Poush 21, 2075 titled "Thapathali Campus Mechanical Research Center" at Balkhu. Students from each architecture colleges of Nepal colleges of Nepal participated in this competition. Each college was represented by top 5 students, selected by the college. Swastika Regmi, Sonal Shrestha, Aayush Shrestha, Shreya Singh and Dipti Mainali were the candidates from KEC. These students were taken on 3 days tour at Sauraha from 21-23 Poush followed by Asian Paints factory visit at Hetauda. The submission deadline for the competition was at Asian Paints Head office on Falgun 26, 2075. The award ceremony is soon to be scheduled. Asso. Prof. Moon Singh Dongol coordinated the competition on behalf of Department Of Architecture, KEC.

3RD NATIONAL RIVER SUMMIT 2019,

Karnali river, Chaitra 15 - 17, 2075

Students of Kathmandu Engineering College, Department of Architecture participated in the 3rd National River Summit 2019 at Karnali River. Our students participated in the Watershed Management Design and Aadesh Raj Sharma and Pasang Kaji Sherpa from fourth year were declared first runner up.





LANDSCAPE AND HOUSING TOUR,

Poush 28 to Magh 2, 2075

A four days tour to Pokhara was conducted by the department for 40 students for the course works of Landscape design and Housing from Poush 28 to Magh 2, 2075. The group was taken to International Mountain Museum, Traditional settlement of Ghandruk and Kusma for their study. The students attending the visit were familiarized with the ideas, materials and technologies and their practical application in development of traditional housing, as well as rural environment and technology. The visit was coordinated by Lec. Sagun Maharjan and Lec. Danking Bahadur Bhujel.

61st NASA CONVENTION AND INDIA TOUR 2019, *Poush 30 – Magh 20, 2075*

Annual National Association of Students of architecture (NASA) convention is the largest student gathering of the students of Architecture in South Asia. The convention was attended by 500 faculty and 3000 students from the field of architecture from across India and other countries like Nepal. 24 architecture students of III year from Kathmandu Engineering College visited SJB College, Bangalore to participate in the 60th annual NASA convention and educational tour from Poush 30 to Magh 20. At the convention, students participated in various workshops such as “Shaping with earth, Earth from Design, Pencil carving, Cut-fold construction, The art of Kathakali”, lectures and seminars. The group also used this opportunity to visit different places



in India, relevant to architectural studies and for recreation. The cities visited were Mumbai, Goa, Agra, Jaipur and Delhi. Students were accompanied by Lec. Pratibha Manandhar.



Berger Spaces Interior Design Excellence Award (IDEA 2018)

Berger Paints Nepal had organized a café design competition incorporating greenery in Chhaya Complex on Mangsir 7, 2075. Students from different design colleges had participated in it. Final presentation was held on Magh 8, 2075 at Yala Maya Kendra, Pragya Hall, Patan Dhoka and top 5 finalists were selected. Among the top finalists all students were selected from Kathmandu Engineering College. Later winners were also announced where Riya Sthapit, Sneha Shrestha, Aadesh Raj Sharma and Pasang Kaji Sherpa were awarded with first, second, fourth and fifth position respectively.

Birla White Yuva Ratna Nxt Design Competition 2019, *Falgun 6, 2075*

Birla White launched two International competitions for different years of students of different colleges at the same time. One was titled “Agan Wadi – Preschool design” for second year students and the other was titled “The city I wish to live in” for fourth and fifth year students. Both competitions were participated by almost every student and submitted online on time in Mumbai, India. The competition was coordinated by Sr. Lec. Subash Phuyal.



DEPARTMENT OF COMPUTER ENGINEERING

EDUCATIONAL TOUR,

Mangsir 17-20, 2075

The Department of Computer Engineering, KEC organized an educational tour to Pokhara and Sauraha from Mangsir 17-20, 2075. The tour was attended by students of 4th year, Bachelors of Computer Engineering. Students were accompanied by Senior Lecturer, Sharad Chandra Joshi and Sudarshan Adhikari, throughout the tour. The annual tour of fourth year students had main objective of exposing students to technological advancements.



ASSOCIATION OF KEC ARCHITECTURE (AKAR)

LTI (Learning Through Interaction), *Mangsir 12, 2075*

The AKAR group conducts various learning and teaching programs for students through interaction. So, on Mangsir 12, 2075 AKAR organized a program about how to perform case study and literature review to the II year students. This program showed how a case study is done along with literature review which will help all the students through the student life as well as professional life for every project.



Welcome and Farewell Program, *Poush 13, 2075*

AKAR organized a farewell and Welcome program on Poush 13 for the batch of 2070 and 2075. The program was conducted in two phases - formal and informal sections. The formal program was chaired by the then Principal Ar. Chand S. Rana, Department of Architecture, Head of Department and faculty. During the program various musical and dance performances from students and teachers were conducted.



ARCASIA 2018 event was held in Tokyo, Japan where Ayush Shrestha visited the event representing KEC and Nepal.



Phy-Ex to maintain harmonious interactions between various batches of Architecture faculty. Mangsir 22, 2075

H-HELP

Helping Hands “An Effort to Lift People” (H-HELP) is a non-profit social organization of Kathmandu Engineering College (KEC), engaged in various social services in a proactive way with a broad approach. H-HELP is a platform to provide economic and social help to the needy and less privileged groups of the society. The club raised funds and conducted various programs throughout the year.

Fund Collection Campaign for Victims

In order to provide aid to the fire victims, ex students of Kathmandu Engineering College, Er. Pushkar Raj Joshi (BCE 2063) and Er. Apshara Joshi (BCE 2065), fund collection campaign was organised and total of Rs. 30,440 was successfully donated.

Blood Donation Campaign

In association with Red Cross society. H-Help successfully conducted blood donation program in the college premises, on 12th poush 2075.

Donation to Dhurmus Suntali Foundation

On 29th Poush 2075, after a successful meeting with Mr. Sitaram Kattel “Dhurmus” of Dhurmus Suntali Foundation, H-Help donated bags, stationery products and clothes. Around 65 students / children, who were underprivileged and financially deprived were benefitted by the donation. They were the children from “SANTAPUR MODEL VILLAGE” constructed by “Dhurmus Suntali Foundation”.

Welcome and Farewell Program

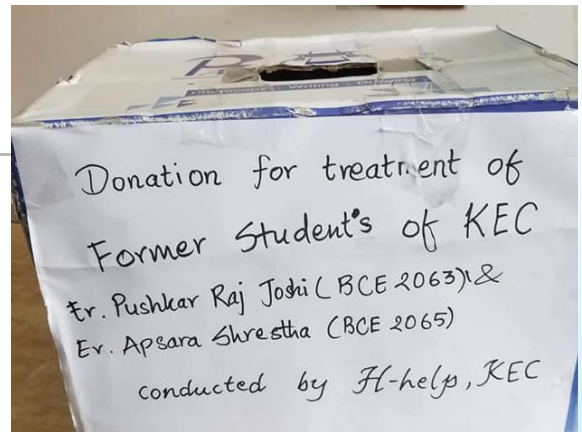
Under the presidency of Mr. Bikram Poudel(2075-2076) H-Help recruited new members to the H-Help family and farewell was organised for the incumbent ex-members who had contributed to different activities and social outreach during their tenure. Similarly, the ex president, Er. Krishna Sapkota (2074-2075) was awarded with Best President of H-Help KEC, for his contribution during his tenure.

HAPPINESS CLUB

Happiness Club, Kathmandu Engineering College and Art of Living Foundation jointly organized various events throughout the year. The programs included HIKING AND MASS MEDITATION and ESTABLISHMENT ANNIVERSARY.

Furthermore, a Hike for Happiness program was coordinated on Asoj 21, with motive of establishing happiness and peace of mind amongst the participants. The hike that

started from Budhanilkantha temple ended at a Gumba, where 70 happiness club members had short kriya and meditation. On Poush 21, the Happiness club celebrated its anniversary. The program included planning of upcoming events, distribution of certificates to the 2018 batch fresh students as well as adding new members to the club.



ROBOTICS CLUB

CAN InfoTech Birgunj 2019, Poush 27, 2075

CAN InfoTech Birgunj 2019 was organized in Birgunj, Parsa. It started in Poush 27, 2075 and ended in Poush 30. Six of the members from Robotic Club of KEC took part in this event. The participants were Panas Tiwari, Saksham Phokrel, Ashutosh Baral, Susan Ghimire, Karun Shrestha and Chirayu Oli. They took part in hardware demonstration event. The team demonstrated the working and functionality of drone. The team organised a workshop on the basic electronics and robotics to the local students who came at the event.



Yomari Code Camp 2019, Magh 24, 2075

The event was organized by Locus in association with Yomari on Magh 24. Yomari Code Camp is a two-day annual event in LOCUS which provides a platform for the students as well as tech enthusiasts to initiate an idea and deploy it into a useful application. Sajesh Adhikari, Karun Shrestha, Samyoga Bhattarai, Sapana Subedi and Alisha Dhakal participated in the event representing Robotics Club of Kathmandu Engineering College and won 2nd runner up position and best idea award.



Yantra 'Automatic Akhada', Falgun 7, 2075

Yantra is an annual event held by Robotics Association of Nepal, which includes various competitions and one of them is 'Automatic Akhada', where two bots capable of image analysis are faced against one another in an arena until one of them pushes the other out of the arena. Sajesh Adhikari, Yunik Maharjan, Sachit Satyal and Ashish Mahaseth were the participants representing Kathmandu Engineering College on Falgun 7, 2075.



Auto-Robotic Car Competition : 100 Youth, Magh 6, 2075

Nepal Automobile Sports Association (NASA) is dedicated in the development & management of Automobile related sports and promotion of internal as well as international tourism through their initiatives. An event named "100 Youth Our Future" was organized by Kathmandu Engineering College in association with NASA on Magh 6, 2075 to select the 100 students from

the Kathmandu Engineering College under the category of auto robotic car competition, personality development and "go kart wheels" race. In auto robotic category three students from the Robotics club of KEC, Sajesh Adhikari, Sachit Satyal and Unique Maharjan were selected and allowed to participate.



Information Session on Hultz Prize, Mangsir 7, 2075

An information session was conducted by Robotics Club in collaboration with Hult Prize, IOE, Pulchowk Campus on Mangsir 7, 2075. The Hult Prize is an startup accelerator for social entrepreneurship which brings together the brightest college and University from around the globe to solve the world's most pressing issues. The Director, Deputy Director,

along with the executive members from the Hult Prize ,IOE were there to encourage the students to be the part of the global competition. There was active participation of students in the session where they were asked to find an innovative solution for an instant problem. Also the free recharge of Khalti was given as a winning prize to the respective winners.

Information Session on Locus 2019, Poush 23, 2075

An information session on LOCUS 2019 was organized by Robotics Club in collaboration with IT club on Poush 23, 2075. Every year LOCUS conducts many skill development programs, competitive hardware, software and electrical events like exhibition, seminars, paper presentation, gaming competition, simulation competition and many more. The executive members from LOCUS were present on the session to encourage the students to be a part of the opportunity to learn and showcase their skills.



CIVIL ENGINEERING STUDENTS' ASSOCIATION(CESA)

STICK BRIDGE COMPETITION, KEC PREMISES, Poush 22, 2075

CESA and Department of Civil Engineering organized a bridge designing competition with sticks which had the participation of different students from different faculties. This competition familiarized students to design and construct different types of bridges that can resist maximum load. Winners of the competition were Sushmita Devkota, Sweta Shrestha and Shuvashi Yogi.



TALK PROGRAM ON “WATER RESOURCES- STATUS, ISSUES AND ANALYSIS TOOLS IN CONTEXT OF NEPAL”, Magh 29, 2075



CESA and Department of Civil Engineering organized a talk program for civil engineering students on Magh 29. The presentation was given by Prof. Dr. Narendra Man Shakya where there were discussions on the current status of water resources, problems facing in generation of energy and various analysis tools used in water resource engineering.

ROTARACT CLUB

CLEANLINESS DRIVE PROGRAM , Poush 23, 2075

Cleanliness Drive was held by Rotaract Club, Kathmandu Engineering College on Poush 23, 2075 with the moto “Clean Environment Prosperous Nepal”. The main objective of the event was to aware people to maintain cleanliness in college premises and the local surrounding. The cleaning program was followed by placing of dustbins in the college and its vicinity.



TALENT HUNT 2.0 , Falgun 15, 2075

Rotaract Club, KEC, organized the 2nd installment of its annual event, KEC Talent Hunt 2.0, on Falgun 15, 2075. The purpose of the event was to promote budding talents to express themselves. Furthermore, the fund collected from the ticket sales were used to support students from under privileged background in government schools and colleges. Students gave performance in different categories viz. poem

recitation, dance, singing (acoustic) and singing (band). Based on their performance, winners in each segment were chosen by the team of juries. Ashok Raj Sapkota was declared winner in poem recitation, Anuja Shrestha in Dance, and Samrat Prasai in singing acoustic. Similarly, Rudra Tandav was declared as the best performing band. Out of all the performers, Samrat Prasai won the title of KEC Talent Hunt 2.0.



FREE STUDENTS' COUNCIL (FSC)

WELCOME AND FAREWELL PROGRAM 2075



Free Students Council, KEC organised a grand WELCOME AND FAREWELL PROGRAM 2075 to the students in coordination with the college administration. The Welcome was offered to all the faculties of 2074/75 batch and Farewell to B. Arch 2069/70 and BCE, BCT, BEL and BEX 2070/71 batches of the college. The program was conducted into two parts as Formal and Informal sessions. The formal program was started by lighting the panas by Chairman/ Principal Hirendra Man Pradhan and then, a warm welcome speech by Alisha Gautam, the treasurer

of FSC. Furthermore, Chairman/Principal Prof. Hirendra Man Pradhan offered his words of encouragement to the students. This formal program was concluded with a closing speech by Purna Bahadur Khadka, the President of FSC, where he assured that the entire council committee will be there with students in the college for any kind of guidance and co-operation. The graduating students were provided with a Token of Love by the Free Students' Council Committee. The formal session was followed by various cultural and musical performances by the students and even the guest bands like Cobweb and Over and Out. All the students enjoyed the day long program.



Tribhuvan University
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OKRP CONFERENCE 2019

Office of KEC Research and Publications (OKRP)

ELECTRONICS & COMPUTER:
Optical Networks, 5G, Massive MIMO
Nano Technology, Cloud Computing,
Broadband Ecosystem, Heterogenous Network,
IOT, AI, Data Analytics

ELECTRICAL & MECHANICAL:
Renewable Energy Technology
Generations, Transmissions & Distributions
FACTS, Power Electronics & Drive,
Rural Electrification

CIVIL:
Environment, Water Resource Management,
Disaster Risk Management, Climate Change,
Structure, Earthquakes, Geo-Tech,
Transportation, Smart City,
Modern Aspects

ARCHITECTURE:
Urban Built Environment
Urban Design & Planning
Housing, Architectural Designs,
Conservation, Alternative Housing
Materials and Designs

Important Dates
Submission Deadline
1 OCT, 2019
Authors Notification
15 OCT, 2019
Camera Ready Paper
31 OCT, 2019

Date: **16th NOV 2019**
Venue: Kathmandu Engineering College
Kalimati, Kathmandu, Nepal
Time: 8:00 AM Onwards
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Courses Offered	Capacity	Duration
B. E. Electronics, Communication & Information	96	4 years
B. E. Computer	96	4 years
B. E. Civil	96	4 years
B. E. Electrical	48	4 years
B. Architecture	48	5 years

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