



INTERNATIONAL CONFERENCE SKIMA 2015



KEC organized 9th International Conference on Software, Knowledge, Information Management and Applications – SKIMA 2015 on 15-17 December 2015 at Soaltee Crowne Plaza, Kathmandu, Nepal. The conference aimed to bring together researchers and experts from academia and industries to share their ideas, experience and insights. SKIMA conference series was started in 2006 in Chiang Mai, Thailand with an international collaboration context between research professionals in Western and Asian countries. The 2nd SKIMA conference was also organized by KEC in 2008 in Kathmandu, Nepal.

The conference was inaugurated by Honorable Minister for Education Mr. Giriraj Mani Pokharel in an opening ceremony attended by guests, dignitaries and participants of the conference. Prof. Dr. Jibraj Pokharel-Vice Chancellor of NAST, Mr. Andreas Roettger - Head of Cooperation of Delegation of EU to Nepal, Mr. Virgilio Mialto - Project Officer, European Commission (EACEA), Er. Satya Narayan Shah - Chairman of Nepal Engineering Council, Prof. Tri Ratna Bajracharya – Dean of IOE, TU and Dr. Tara Prasad Pokhrel – Chairman, KEC were present in

the ceremony. General Chairs of SKIMA 2015, Er. Rameshwar Rijal – Principal of KEC and Dr. Keshav Dahal – Professor at University of the West of Scotland, UK, delivered welcome speech and conference highlights respectively.

The three day conference included research papers from the areas of Information & Knowledge Management, Security & Encryption, Intelligent Models & Systems, Recognition, Security & Protection, Intelligence & Informatics, Wireless & Telecommunication, Software Engineering, Disaster management & Resilience, Energy & Environment, Education Systems & Management and Network & Web Technology. Altogether 59 papers of national and international authors were presented during the conference. Among the presented research papers, 25 papers were included in IEEE Xplore Digital Library.

SKIMA 2015 conference has undoubtedly been able to attract a new generation of committed researchers, experts and professionals from around the globe for a significant attempt at achieving the extensive application based discussions in the respective research domains. The next SKIMA conference is going to be held on 15-17 December 2016 in Chengdu, China.

The conference aimed to bring together researchers and experts from academia and industries to share their ideas, experience and insights

EDITORIAL

"Never mistake knowledge for wisdom, one helps you make a living; the other helps you make a life." -Sandra Carey

'Think big to achieve big.' Students should not limit their abilities. KEC would appeal to all the students to maintain the dignity of the college and try to learn new and good things not only for themselves but also for the welfare of the society as a competent and dedicated engineer. A newsletter is launched with the objective of dissemination and compilation of information related to the college. This reintroduction of the newsletter will give an opportunity to the faculty and the students to craft and showcase their knowledge and skills.

KEC has always been a harbinger of talent and will continue to be an exemplary institution of learning in the coming times too. It is extremely important for all the students to be wise and utilize their time to become successful and stay ahead in this rat race called life and give their best, in even the smallest of projects that they undertake.

Our research and result oriented teaching methodologies, experts to handle it, national and international exposure through exchange programmes, workshops and all the infrastructures in accordance with the need of the course and of the technical world have made this institution a popular venue to flourish the creativity and confidentiality of the students.

Recently organized International Conference - SKIMA 2015 from 15 to 17 December 2015 has also helped to showcase our collective intellectual effort to make the program successful. The event was able to attract a new generation of committed researchers, experts and professionals from around the globe for a significant attempt at achieving the extensive application based discussions in the respective research domains.

Finally, the entire KEC family is committed to walk together to change the status quo.

FACULTY & STAFF DEVELOPMENT

Academic Visit at University of Ruse, Bulgaria

Er. Rabindra Khatri, Associate Professor and Head of Department of Computer and Electronics Engineering, was selected under Erasmus Mundus FUSION Project for one month visit to University of Ruse, Bulgaria. He went to University of Ruse, Bulgaria in the period of 15 September-15 October 2015. The purpose of the visit was to enhance the sharing of academic experience and co-operative research practices on contemporary technologies. During his stay Er. Rabindra Khatri was engaged in various activities like: meetings, discussions and visits at Department of Computer Systems, Department of Telecommunications, virtual reality lab, eLearning lab, telecommunications labs, electronics labs, university printing facility, software company, G.L.C in Ruse, old airport in Ruse for Unmanned Aerial Vehicle (UAV) show, etc. He also oversaw the defense of Master degree projects, robotics activities and demo of drone at the Department of Telecommunications.

Participation in Solar PV Train-the-Trainer Workshop

Er. Ravi Chandra Koirala, Senior Lecturer and Deputy Head of Department of Computer and Electronics Engineering participated in a USAID-funded solar PV educator training from 05-14 October 2015 in Lalitpur. Vocational Training and

Education for Clean Energy (VOCTEC) and Nepal Academy of Science and Technology (NAST) organized the training. Twenty four participants from NAST, AEPC, private sectors, NGOs, World Bank and USAID completed the training.

Paper Presentation in International Conference

Faculty members of KEC participated and presented research papers in SKIMA 2015 International Conference held on 15-17 December 2015 in Kathmandu. Er. Dipesh Shrestha presented paper on 'Visual Cryptography using Image Pixel Transparency with Cover Image'. Similarly, Er. Ajay Kumar Shrestha, Er. Ramita Maharjan and Er. Regina Basnet presented paper titled 'Image Steganography: Protection of Digital Properties against Eavesdropping'. Likewise, Er. Ajay Kumar Shrestha, Er. Santosh Paudel, Er. Pradip Singh Maharjan and Er. Rameshwar Rijal presented paper on 'Performance Analysis of Spatial and Transform Filters for Efficient Image Noise Reduction'. Also, Er. Pavan Poudel presented paper entitled 'Network Access Control using Software Based Firewall System'.

Participation in Orientation Program

Er. Ravi Chandra Koirala participated in the Orientation Program of Japan Education Fair held at the Hall of Japanese Embassy on 05 February 2016. Japan Students Service Organization

(JASSO) and Japanese Universities Alumni Association Nepal (JUAAN) jointly organized the 9th Study in Japan Fair on 13 February 2016 at Hotel Yak & Yeti, Kathmandu.

Participation in Assets and Inventory Management Training

Training cum workshop programme on Assets and Inventory Management was organized by Management Association of Nepal (MAN) dated 25-26 February 2015, and the participants from the college were Ms. Shrawana Joshi, Junior Officer and Mr. Bishwo Niraula, Senior Assistant of Administration Section.

Participation in PASS SQL Conference

Er. Rabindra Khatri, Er. Ravi Chandra Koirala, Er. Pavan Poudel, Er. Dipesh Shrestha, Er. Tirtha Acharya, Er. Pradeep Singh Maharjan, Er. Partha Chudal, Er. Rejina Basnet and Er. Ramita Maharjan of Department of Computer and Electronics Engineering participated in one day Seminar PASS SQL Saturday #482 | Nepal 2016 on 26 March 2016 at Hotel Himalaya, Kathmandu organized by Himalayan SQL Server User Group.

Training on Xilinx Vivado Design Suit on FPGA

Er. Ravi Chandra Koirala, Er. Anup KC, Er. Sujin Gwachha, Er. Santosh Nath, Er. Kiran Shrestha and Er. Susheel Joshi participated in fifteen hours training programme on "System Design Flow using Xilinx Vivado Design Suit on FPGA" which was facilitated by Digitronix Nepal from 24-27 April 2016. The training focused on orientation of Embedded and FPGA Design tools and ISE design suited with some examples for RTL Schematic, Simulation and Implementation on Xilinx Spartan 3E FPGA.

Participation in Subject Workshops

Faculty members of KEC participated in one day workshop for subjects - Hydraulics, Signal Analysis, Object Oriented Programming, Propagation and Antenna, RF and Microwave Engineering, Computer Network, Engineering Mathematics II, Theory of Structure, Embedded System, Microprocessor, Sanitary Engineering, Applied Mechanics, Computational Techniques, Soil Mechanics, Simulation and Modeling, Basic Electrical Engineering, Operating System, Database Management System, Internet and Intranet, Wireless Communication, Artificial Intelligence, Basic Electronics, Discrete Structure and Applied Mathematics between 05 May and 24 June 2016 organized in various engineering colleges.

Participation in International Conference on Applications of Mathematics to Nonlinear Sciences

Mr. Sushil Ghimire, lecturer of Engineering Science & Humanities Department, participated and presented his research paper on M/M/R/N Queuing System with Multi Additional Servers in the International Conference on Applications of Mathematics to Nonlinear Sciences (AMNS-2016) in Kathmandu, Nepal, on 26-29 May 2016 organized by The Association of Nepalese Mathematicians in America (ANMA), Nepal Mathematical Society (NMS) and

Mathematics Departments of Tribhuvan University and Kathmandu University. The conference provided a forum to a diverse group of scientists in applications of mathematics to natural and health sciences, engineering and finance.

Participation in Front Desk Handling Training

Ms. Pratima Khanal, Office Assistant, participated in Front Desk Handling Training from 08-16 June 2016 organized by Human Resource Development Center, Damkal Chowk, Pulchowk, Lalitpur. Skills such as use of body language, message development exercise, socialization session, self disclosure, self-awareness, email/Internet, handling difficult peoples well as personal skills were taught and practiced in the training.

Workshop on Architectural Conservation & Applied Mathematics

Ms. Anjana Devi Bhandari, Deputy Head of Department of Engineering Science & Humanities, represented KEC in one day workshop on Architectural Conservation and Applied Mathematics held on 24 June 2016 which was jointly conducted by Mathematics subject experts Prof. Dr. Shaliendra Kumar Mishra and architectural conservationist. Asst. Prof. Deepak Pant. The main objective of the programme was to identify the problems related to the syllabus, course delivery, and examination questions along with the practical and constructive solutions. Finally, suggestions from the participants were also taken to improve the pass percentage of the students.

Congratulations!!!

KEC bagged 1st position in two thematic competitions of LOCUS 2016 held on 01-03 July 2016.



KEC family congratulates students of 4th year Electronics & Communication Engineering (069 Batch) Arun Dahal, Birat Pokhrel, Phanindra Sapkota and Sijan Devkota for securing first position for the project entitled 'Earthquake Emergency Management Service' under the theme 'Energy and Society' and Dipankar Shakya, Nabin Thapa Magar, Pukar Karmacharya and Hel Kumar Shrestha for securing first position for the project entitled 'Heliplane-20' under the theme 'Open Innovation'.

DEPARTMENTAL ACTIVITIES

Participation in Pre-Accelerator Session

Students in coordination with the Computer & Electronics Department conducted Pre-Accelerator Session for 4th and 3rd year students (069 & 070 Batch) on 05 August 2015. Pre-Accelerator Program run by MIC Nepal focused on Building Strong Founders to lead their Company in the Global IT Industry. Ms. Nairisha Shrestha, Program Lead of Pre-Accelerator, was the Guest Speaker and Ojash Shrestha, MSP 2016, hosted the Event.

Graphics Designing Training

Graphic Design Training on Photoshop was organized on 15 August 2015 at the college. A total of 33 students attended the program for the training by Mr. Majil Pote, Senior Designer at Social Aves, and MSP Ojash Shrestha moderated the training.

Minor and Major Project Orientation

In order to guide the students in making their projects as fruitful as possible, Department of Computer & Electronics Engineering organizes orientation programme every year inviting

established entrepreneur from different sectors. This year, Er. Sachin Shrestha from Nepal Engineering College was invited to make students of 3rd year Electronics & Communication Engineering (070 Batch) understand to conceive and materialize their project on 8 May 2016. Similarly, Senior Engineers from Leapfrog Technology, Er. Kiran Regmi and his associates were also invited to guide the students of 3rd & 4th year Computer Engineering (070 & 069 Batch) for their Major Project conducted on 26 August 2015 and 5 May 2016 respectively.

Participation in Assistive Appathon and Skypeathon

Students of 3rd year Computer Engineering (070 Batch) participated in the competition entitled Assistive Appathon on 28 August 2015. Similarly, students of 2nd year Computer Engineering (071 Batch) participated in Skypeathon held on 03-04 December 2015.

Talk Program

A talk program focused on SAP Project Lifecycle Management (PLM) and Environment Health Safety (EHS) was organized on 10 February 2016. Students

of 4th year Computer and Electronics & Communication Engineering (069 Batch) participated in the program. Er. Prakash Sigdel, ex-faculty of KEC was the speaker of the event.

Participation in Solar-PV off-Grid System Women Technician Training

Sagun Karki, 3rd year Electronics & Communication Engineering student (070 Batch), participated in a Solar-PV Off-Grid System Women Technician Training (Level-1) during 14-18 February 2016. Nepal Academy of Science and Technology (NAST) launched the 5-day technicians' training for 23 women technicians from various educational institutions. The training aimed to enhance capacity of technicians in alternative energy systems like wind, solar and micro-hydro. NAST organized the training in cooperation with Arizona State University of the USA.

Formation of Computer Club and Electronics Club

Under the supervision and guidance of Computer & Electronics Department, new Computer Club and Electronics Club were formed on 14 February 2016.

Electronics Club comprises of members: Sohan Chaudhary (Coordinator), Ramal Maharjan and Sanjay Rana; Computer Club comprises of members: Anup Dhakal (Coordinator), Shree Krishna Khanal, Suprem Tamarakar, Prasant Poudel, Liza Amatya and Tirtha Raj Karki.

Azure training

Azure training was bestowed to all 2nd and 3rd year students of Computer Engineering and Electronics & Communication Engineering on March 2016. Fifty students were involved in the training where they learnt about cloud computing, Azure and hosted their sites online with free token made available by Dreamspark Premium.

Participation in Nepal Nirman and Green Generation Road Show

Thirty students of 1st and 2nd year Computer Engineering (072 & 071 Batch) were involved in the road show on 8 May 2016. Mr. Shrijan Sheila Manandhar, a Youth Spark Advocate for Nepal and employee of WWF explained on the importance of Generation Green.

Interaction Program

An interaction program focused on opportunities and requirements for engineers in Japan was organized on 16 May 2016. Students of 4th year Computer and Electronics Engineering (069 Batch) participated in the program.

MoU Signing between KEC and Digitronix Nepal

To run the Xilinx University Program (XUP), a memorandum of Understanding (MoU) was signed between KEC and Digitronix Nepal on the month of May 2016. Digitronix Nepal acts as a facilitator between KEC and Xilinx. The XUP enables the use of Xilinx FPGA and ZynqSoC tools and technologies for academic teaching and research. XUP provides academic licenses for Xilinx software and advice for university staff

STUDENTS' ORIENTATION PROGRAMME 2016

Kantipur Engineering College Organized Students' Orientation Programme for the newly enrolled 1st year students (2016 Batch) on 30 November 2015 at Lovely Banquet, Lalitpur. Prof. Dr. Triratna Bajracharya, Dean IOE, was the chief guest and Dr. Tara Prasad Pokhrel, Chairman of KEC, chaired the programme. Mr. Maha Datta Paudel, Head of Department of Engineering Science and Humanities welcomed the new students and highlighted the differences between the school and university education. Mr. Paudel also suggested the guardians to associate and coordinate

figures. Er. Sunil Kumar Pokhrel, Ex-Chairman of KEC delivered a significant speech entitled "Engineering Education: Perspective and Challenges" through which he attempted to show the vital role of engineering in the nation building process. These two outstanding lectures really compelled all the newly admitted students and their guardians to think about their decision of getting enrollment in KEC be fruitful and result oriented. Er. Rameshwar Rijal, Principal of KEC talked about the college and its rules and regulations to the newly admitted students. The programme was organized



closely regarding the academic performance of the students. Late Prof. Padma Bahadur Khadka made a paramount and harangue on "Importance of Engineering for the National Development" by depicting facts and

to welcome new students and orient them about the possible challenges and the outcomes students face during their engineering studies. Around 260 students with their parents/ guardians attended the programme.

using Xilinx technology and free to attend worldwide XUP Professor Workshops for university teaching staff.

Presentation of Campus France

Campus France, a French National Agency for the promotion of French higher education, organized a presentation on various possibilities of French education to Nepalese students on 01 June 2016. The session was informative to students who were interested in French higher education system. There were

interactions about Alliance Française de Katmandou, French language courses, official degrees of DELF/DALF, cultural activities and much more during the presentation.

Workshop on CV Writing and Interview Facing Techniques

A workshop on CV writing and Interview facing techniques was organized for 4th year students of Computer and Electronics & Communication Engineering (069 Batch) on 02 June 2016.

Congratulations!!!

Winner of Microsoft Imagine Cup

KEC family congratulates the winner of Microsoft Imagine Cup 2016 which was held on 22 April 2016. You have earned all the praises you are now receiving. The great achievers in the National Final Winner in Game Category were Ojash Shrestha and Bishal Acharya; 1st Runner up in World Citizenship Category was Melisha Ghimire with her team Echo; and 2nd Runner up in Innovation was Bhagya Shah.

2nd Position in Appathon Competition

Many dream, some try and only a few achieve. You are achievers today. Congratulations on this special achievement!! Keep up the good work and remember that sky is the limit to your achievements. We are very gratified with the achievement of our students who grabbed the second

position with NRs. 1 lakh on the title of Human Rights Appathon held on 05 - 07 February 2016. The winners were students of Computer Engineering :Melisha Ghimire, Ojash Shrestha, Leeja Amatya, Bhupendra Ojha and Bhagya Narayan Shah.

ACTIVITIES AT RESEARCH, TRAINING & CONSULTANCY DIVISION

One Day Workshop on Effective Teaching

A one day workshop on Effective Teaching was conducted by RTCD on 28 April 2016 at Local Development Training Academy,

speakers for the workshop who delivered their presentations on Lesson Planning, Effective Teaching Tools and Team Work & Communication respectively. A total number of 45 full-time faculty



Jawalakhel, Lalitpur. The workshop aimed at improving teaching skills and enhancing teamwork and communication among faculty members. Er. Nabin Chandra Sharma, Er. Pradip Kumar Paudyal and Dr. Madan Bista were the guest

members from all the departments actively participated in the workshop sharing their experiences and ideas, relevant to teaching-learning process, among themselves and with the guest speakers.

Faculty Training on GIS

Research, Training and Consultancy Division conducted training on 'GIS Tools and Software' for full time faculty members of Civil Engineering Department in order to enhance knowledge in using GIS related tools and software. Another objective of the training was to enable the faculty members to properly guide students in their GIS incorporated project works. The 20 hours training was conducted from 10 to 24 January 2016. Dr. Narayan Kumar Shrestha, being a GIS expert, provided useful insights to the faculty members on the relevant topics.

Subject Workshops

RTCD conducted one day workshop on various subjects as per the recommendation of Office of the Dean, Institute of Engineering, TU. The workshops were conducted with an aim to develop faculty members and to improve and bring uniformity in exam results. Workshops were performed for subjects - Objected Oriented Programming, Soil Mechanics,

Database Management Systems, Internet & Intranet, Basic Electronics Engineering, and Discrete Structure on the respective dates of 12 May, 22 May, 02 June, 02 June, 21 June and 21 June at KEC. The workshops included presentation from Assistant Dean of IOE, Associate Professor Nagendra Bahadur Amatya, in which he highlighted the past and current result trends and the necessity of the improvement of the results. Similarly, representative from Examination Control Division-IOE provided insights on various examinations related issues. The important part of the workshop was the discussions on the subject related agendas with subject expert and



the participant teachers from different TU affiliated/constituents engineering colleges/campuses.

Students' Training & Internships

In order to shape and sharpen students' skill as per the changing market of technology, RTCD has been regularly organizing different trainings to the students of Civil, Computer and Electronics & Communication Engineering. These trainings are helpful in boosting up the knowledge of the students apart from their defined course works. Some of the offered trainings are – Basic Electronic Circuits and Applications, Micro Controller, Auto CAD, SAP-2000, PHP, Android Development and others as per the need of students.

Industrial tie-up has become a necessity for today's mode of education. For this, RTCD has been in a constant communication with various software companies, consultancies and technical organizations for creating internship opportunities to the potential students.

EDUCATIONAL VISIT & SURVEY CAMP



Survey Camp

Ten day Survey Camp was organized for the students of 3rd year Civil Engineering (2070 Batch) from 11-20 December 2015 at Nepal Electricity Authority (NEA) Training Center and Muhan Pokhari Kholu, Kharipati, Bhaktapur. The coordinator and sub-coordinator of Survey Camp were Er. Imanath Duwadi and Er. Bhakta Raj Joshi respectively. Other team members of the Camp were: Er. Niman Maharjan, Er. Kapil Dev Bhatta, Er. Sabin Paudel, Er. Akshaya Paudel, Er. Bibek Tamang, Er. Basanta Thagunna, Er. Durlab Bartaula, Mr. Bishwa Niraula, Mr. Subash Basnet and Mr. Kumar Puri. The main objectives of the camp are to take detailing of various land feature for the preparation of Topographic Map of NEA Training Center using Total Station, Theodolite and Auto Level, to prepare a Grid Sheet for plotting the details, to make alignment of road and to prepare the Topographic map for the selection of Bridge Axis (Bridge Site Survey).

Educational Tour

A four day field visit was organized for the students of 3rd year Computer and Electronics & Communication Engineering (070 Batch) in three different sites viz. Manakamana Cable Car, Seti Power House and Marsyangdi Hydro Power on 17-20 May 2016 & 10-13 May 2016 respectively. Similarly, the same sites were visited by 4th year students of Computer and Electronics & Communication Engineering (069 Batch) from 21-24 December 2015. The main motto of these visits was to accumulate the knowledge about the application of computer and electronics technology in these sectors. The tour was focused to gain practical knowledge of microprocessor based

instrumentation, control system, mechanical and power system related operations at Manakamana Cable Car (Chitwan) and Marsyangdi Power House. The tour was coordinated by Er. Ravi Chandra Koirala, Er. Anup KC, Er. Sujin Gwachha, Er. Tirtha Acharya, Er. Dipesh Shrestha and Er. Taiyab Ansari.

Geology field Visit

To identify various rocks and minerals, study of River Channel Morphology, handle the Geological Compass (Brunton Compass), study of mass movements, draw the geological route map and to know the significance of geological feature in Civil Engineering structure, Department of Civil Engineering organized a three day field visit for

the students of 2nd year Civil Engineering (071 Batch) at Bhakunde Besi from 31 December 2015- 02 January 2016. The visit was coordinated by Er. Simpson Lamichane and Mr. Pramod Shimkhada.

Transportation & Bio-Engineering Field Visit

A one day transportation field visit was organized for the students of 4th year Civil Engineering (069 Batch) at Bhakunde Besi along Banepa Bardibas Highway from 16-19 May 2016. Er. Sudeep Thapa and Er. Kapil Dev Bhatta supervised and arranged the visit. The main objective of the field visit was to understand various Cross Drainage Structure, Retaining Walls and Hair Pin Bend.

NEW APPOINTMENT & MOTIVATION

Newly Appointed Teachers

Er. Kritika Sharma	Mechanical	Er. Partha Chudal	Computer
Er. Simpson Lamichhane	Civil	Er. Hari Dahal	Computer
Er. Sabin Paudyal	Civil	Er. Prakash Kafle	Computer
Er. Birat Dhakal	Civil	Er. Susheel Joshi	Electronics & Comm.
Er. Safal Bhattarai	Electrical	Dr. Surendra Bdr. Tamrakar	Civil
Er. Narendra Yadav	Electrical	Er. Niraj Bohara	Civil
Er. Santosh Nath	Electronics & Comm.	Er. Bibhu Sharma	Mechanical
Er. Kiran Shrestha	Electronics & Comm.	Er. Saroj Sharma	Electronics & Comm.
Er. Kirti Dhungana	Civil	Er. Sagar Maan Shrestha	Electronics & Comm.
Er. Bibek Tamang	Civil	Er. Manish Maharjan	Computer

Faculty Motivation

Er. Rajeev Prajapati	Chief (Exam Section)	Dr. Surendra Bdr. Tamrakar	Chief (RTCD)
Er. Bikrant Koirala	Deputy Chief (RTCD)	Er. Sudeep Thapa	Head of Department (Civil)
Er. Ajay Kumar Shrestha	Assistant (RTCD)	Er. Ima Nath Duwadi	Deputy Head of Department (Civil)
		Mr. Tek Narayan Adhikari	IT Officer

Distinction Holders 2072/73

I/I Civil 2072

Shantanu Tibrewal 89.78
Uddhav KC 88.89
Dipesh Pandit 87.41
Saurav Ghimire 83.41
Pitambar Pandey 82.82
Krishna Shrestha 81.63

I/I Computer 2072

Gaurav Subedi 86.35
Prakash Ratna Prajapati 82.63
Bishal Malla 82.07

I/I Electronics & Comm. 2072

Bijay Sapkota 86.21
Prabhat Mali 82.35

I/II Civil 2071

Tankar Rokaya 85.15
Abriti Panta 83.86
Suraj Pandey 83.72
Kalyan Adhikari 82.00

I/II Computer 2071

Sushila Sipai 89.24
Ramesh Hyaunmikha 88.62
Digbijaya Shakya 87.24
Subiran Shrestha 85.08
Ajay Dhami 84.31
Rikesh Chhunju 83.39
Sanish Maharjan 82.62
Siddhi Kiran Bajracharya 82.62
Kaushtup Bista 82.00
Nischal Shrestha 81.85
Rahul Deshar 81.70
Avishek Adhikari 81.39
Rachana Maharjan 81.08
Rajesh Mahato 80.31

I/II Electronics & Comm. 2071

Sohan Chaudhary 84.00
Gagan Bdr. Pradhan 81.08
Sushil Chaudhary 80.93
Ramal Maharjan 80.47

II/I Computer 2071

Sushila Sipai 83.55
Subiran Shrestha 83.09

Ramesh Hyaunmikha 82.18
Digbijaya Shakya 80.81
II/II Computer 2070
Amrit Giri 86.34
Ruby Shakya 86.23

II/II Electronics & Comm. 2070

Sandesh Pandey 85.53
Prabindra Pradhan 82.71
Rajendra Saud 80.83
Bibek Khanal 80.48

III/I Civil 2070

Suraj Shrestha 80.46

III/I Computer 2070

Ruby Shakya 81.49

III/II Computer 2069

Raiz Maharjan 81.34
Anu Lama 81.10

III/II Electronics & Comm. 2069

Dipankar Shakya 81.70

IV/I Civil 2069

Rajesh Kr. Chand 80.27

IV/I Computer 2069

Murari Sharma 82.79
Manish Acharya 82.55
Srijal Joshi 82.43
Shristi Shakya 81.94
Aashi Maharjan 81.10

IV/II Civil 2068

Bristi Moktan 84.46
Jakir Hussain 82.31
Kirti Dhungana 81.38
Amit Kr. Thakur 80.00

IV/II Computer 2068

Prakash Kafle 82.93
Anil Acharya 82.00
Sabin Bir Bajracharya 81.60
Partha Chudal 81.47
Neha Shakya 81.47
Binay Gautam 80.13
Sony Sunuwar 80.00

NEWS & EVENTS

Prize Distribution Ceremony

KEC has been celebrating and organizing Saraswati Puja and Prize Distribution coincidentally on the same day. This year the events were celebrated on 13 February 2016.

Since the early days of our college, we

Prasad Pokhrel, Chairman, College Management Committee. Certificates and prizes were distributed in various categories to the students.

Prize for Best Scholar Girl Student was bagged by Sushila Sipai, student of 2nd year Computer Engineering (071 Batch).



have established this tradition of recognizing the excellent results and performances. With this, we expect better motivation and environment for the students, teachers and staff alike. Some of prize categories like Best Student in Drawing, Best Student in Mathematics, Best Student in Structural Analysis, Best Minor Project, and Best Final Year Project really show our commitment towards achieving the excellence.

The ceremony was chaired by Er. Rameshwar Rijal, Principal of KEC and the Chief Guest for the event was Er. Dr. Tara

The prize for Laurel of the College went to Raiz Maharjan, student of 4th year Computer Engineering (069 Batch) for his outstanding achievements. Finally, the Best staff was awarded to Mr. Ishwor Lal Maharjan, Assistant Instructor of Electronics & Electrical Lab.

The ceremony was concluded by the chair person with congratulations to the awarded students and staff. The event was emceed by Susheel Joshi, Lecturer of Computer & Electronics Engineering Department.

Heartfelt Condolence



KEC family expresses its heartfelt condolence

on the sudden and untimely demise of our talented and valued student Rupak Giri of 2nd year Civil Engineering (071 Batch) who passed away on 31 January 2016. May the almighty give the power to bear this irreparable loss to the bereaved family and friends in this time of sorrow.

Students' Activities

Sports Week- 2073

Conferring top priority to "Learning by doing" method through extracurricular activities, KEC has been organizing Sports Week each year for the well being and overall development of students. With the initiation of Students' Main Organizing Committee with members: Pralin Khanal, Sajit Thapa, Birat Pokhrel, Shirish Maharjan and Shree Krishna Khanal, representing existing students' unions, Sports Week 2073 was organized from 10-14 June 2016. The events



included Cricket, Football, Basketball, Volleyball, Badminton, Table Tennis, Chess and Marathon. Principal Er.

Rameshwar Rijal, Vice Principal Dr. Keshar Prasain and Er. Rajeev Prajapati, Coordinator, Sports Week 2073 awarded prizes to the winners and runner-ups of the events.

Welcome Farewell Programme 2073

Welcome and Farewell programme 2073 was organized on 10 July 2016 at Nepal Academy, Kamaladi. The programme was organized with the initiation of Students' Main Organizing Committee with members: Pralin Khanal, Sajit Thapa, Birat Pokhrel, Shirish Maharjan and Shree Krishna Khanal, representing existing students' unions, to welcome the students of batches 2071 and 2072 and to bid a warm farewell to the batches 2067 and 2068. The event was accompanied with cultural programme whereby the students showcased their talents. Er. Dr. Tara Prasad Pokhrel, Chairman of KEC, was the Chief Guest for the programme chaired by Sajit Thapa.

Blood Donation Programme

A blood Donation Program was organized by the students of ANNFSU on 28 December 2015 at KEC with the support of Nepal Red Cross Society.

Saraswati Puja

Saraswati Puja was celebrated on 13 February 2016 at college's own temple. Students, teachers and staff participated in the program and received Tika and Prasad from Priest. Nepal Terai Navajagaran Sangh took the initiation to organize the program.

Electronics Club Activities

Electronics Club conducted a training program on Basic Electronics for the first year students of Electronics & Communication Engineering on 22 February 2016. This training was helpful to enhance practical knowledge on basic electronics components.

Congratulations!!!

KEC family proudly congratulates Igeja Amartya of 2nd year Computer Engineering (071 Batch) for being the winner of Human Trafficking Appathon. Your dedication, passion and perseverance have helped you achieve the excellent award of the year. Congrats!! You really deserve it.

International Linkage

KEC has been collaborating with various international universities for mobility (exchange), training and research projects since its establishment. Till now, KEC has worked being part of 5 Erasmus Mundus mobility projects- EASTWEST Asia Link, eLINK, cLINK, FUSION and Smartlink, funded by European Union (EU). Significant number of students, faculty members and staff have been able to continue their studies, and training and research activities in different European universities.



Mobility from KEC to European Universities (For Year 2015/16)

S.N.	Name	Designation	Programme	Host University and Country
1	Sabindra Patel	Lecturer	Post Graduate	University of Northumbria, UK
2	Summit Bajracharya	Student	Under Graduate	Université LUMIERE LYON2, France
3	Santosh Kumar Chaudhary	Student	Under Graduate	Gheorghe Asachi Technical University of Iasi, Romania
4	Suresh Prasad Thakur	Lecturer	Post Graduate	Gheorghe Asachi Technical University of Iasi, Romania
5	Rabindra Khatri	Department Head	Research & Training	University of Ruse, Bulgaria
6	Bhupesh Kumar Mishra	Division Deputy	PhD	University of the West of Scotland, UK
7	Rameshwar Rijal	Principal	Research & Training	Hellenic Open University, Greece
8	Manish Dahal	Student	Under Graduate	University of the West of Scotland, UK

GUEST LECTURE AND INTERACTION SESSION

Dr. Keshav Dahal, Professor at University of The West of Scotland, UK, delivered a guest lecture on Genetic Algorithm (GA) and Optimization Modeling on 27 December 2015 at KEC. Students of fourth year Computer and Electronics Engineering attended

the lecture. Along with background concept, the lecture covered application and research perspective and was followed by an active interaction session. Likewise, during his visit to KEC on 29 March 2016, Prof. Dahal had a brief interaction session with faculty members on

Research Initiation and Paper Writing. In the programme he shared his experience and expertise in research arena and also highlighted the European and British research systems and mechanisms.

Final Year Projects of 2068 Batch

Civil Engineering

- Prefeasibility Study of Modi Khola Hydropower Project
- Feasibility Study of Nyam-Nyam Khola Hydropower Project
- Analysis and Design of Composite Bridge
- Analysis and Design of Multi-Storey Seismic Resistant Building
- Seismic Resistant Design of Commercial Building
- Analysis and Design of Earthquake Resistant Multistoried RCC Building.
- Analysis and Design of Earthquake Resistant Multistoried Commercial Building
- Seismic Resistant Design of Multi Storied Building
- Design of Mailung Khola Hydropower Project
- Analysis and Design of Earthquake Resistant Building Structure

Electronics & Communication Engineering

- Automated Cleaner
- Digital Stethoscope
- E-Griha
- Visible Light Communication based Authentication System
- Smart Cart
- Telemedicine
- Solar Energy Audit
- Wireless Sensor Network
- SMS based e-Notice Board
- Solar Charge Controller Based on Buck Converter
- Android Controlled Surveillance Robot
- Agri Bot
- Optical Printing
- Smart Refueling System
- Pick and Place Robot
- Public Bus Fare Management System Using RFID

Computer Engineering

- Handyman Finder
- Jarvis The Navigator
- Easy Route
- HR File Explorer
- Easy Commute
- Student Information System
- Gantabya: The Road Guide
- Techno School
- Online Class Network (OCN)
- Virtual Touch
- Remote PC Monitoring and Control
- Scan Up
- Server Security and Alert System
- Milk Data Automation
- Photo Media
- Futsal Groove
- Micro Finance
- Airline Reservation System
- SaraHR
- Marriage: A Card Game
- Online Rental System
- Voice Login

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