



An Undertaking of Bhaktapur Municipality

# Khwopa Engineering College

Affiliated to Purbanchal University

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NEWSLETTER

## Purbanchal University Faculty of Engineering Successfully Concludes "Curriculum Development Workshop" for ME Earthquake Master's Level Program



Chief Guest Prof. Dr. Yadav Raj Koirala, the Vice chancellor, Purbanchal University on opening ceremony of "Curriculum Development Workshop"

23<sup>rd</sup> Asar

Purbanchal University's Faculty of Engineering recently organized a two-day "Curriculum Development Workshop" for the Master's Level Programs. The event, held on the 7<sup>th</sup> and 8<sup>th</sup> of July, 2023, aimed to develop syllabus on newly introduced some programs and revise the syllabus to meet the current demands and advancements in the field of earthquake engineering. The workshop was graced by prominent dignitaries from

academia, industry, researchers, scholars, and people's representatives, adding significant value to the event. The opening session was inaugurated by Chief Guest Prof. Dr. Yadav Raj Koirala



and chaired by Prof. Debi Prashad Bhattarai, the esteemed Dean of the Faculty of Engineering, Purbanchal University.

One of the highlights of the workshop was the session on ME Earthquake syllabus revision, which was expertly chaired by Prof. Dr. Gokarna Bahadur Motra from the Institute of Engineering (IoE). Dr. Rajan Suwal and Dr. kshitij



Charana Shrestha from IoE, along with Abhinash Kumar Mandal and Rabin Bhattarai from the Constituent Campus, Faculty of Engineering, Purbanchal University, were among the experts actively involved in revising the syllabus.

The workshop also witnessed the valuable contributions of several distinguished professionals and academics in the field of earthquake engineering. Assoc. Prof. Er. Sujan Maka, the Principal of Khwopa Engineering College, led the faculties from KhEC, while Assoc. Prof. Er. Manjip Shakya, Head of the Post Graduate Department

of Earthquake Engineering, played a crucial role.

The lineup of experts also included Senior Lecturer Dr. Subeg Man Bijukchhen, the Coordinator of the Research and Development Unit at KhEC, and Senior Lecturers Mr. Arjun Kumar Gaire and Er. Sudeep Karanjeet. Additionally, Prof. Dr. Chandra Kiran Kawan from Khwopa College of Engineering and Dr. Satish Paudel, a part-time faculty member at KhEC, contributed significantly to the revision process.

During the concluding remarks on the ME Earthquake Syllabus revision, Assoc. Prof. Er. Sujan Maka extended his heartfelt gratitude to the Faculty of Engineering, Purbanchal University, and especially to

Dean Prof. Debi Prashad Bhattarai for their unwavering support in revising the curriculum. He also expressed his gratitude to all the experts who played a pivotal role in shaping the revised syllabus. Mr. Maka extended his special thanks to Prof. Prem Nath Maskey for leading the process of revising the curriculum on ME earthquake.

The revised ME Earthquake syllabus is expected to align the academic program with the latest advancements in earthquake engineering, equipping students with the necessary knowledge and skills to tackle the challenges of this critical field effectively.

## A Presentation on “THE FOURTH INDUSTRIAL REVOLUTION (4IR) AND EDUCATION”

31<sup>st</sup> Asar

Department of Electronics, Communication and Automation Engineering organized a presentation on “The Fourth Industrial Revolution (4IR) And Education on 31 Asar 2080. The Presenter Er. Rabindra Phoju took the stage to present the ambitious vision for integrating the Fourth



Industrial Revolution (4IR) into its educational framework. The event was attended by faculty members and students.

Vice Principal Er. Rabindra Phoju began his presentation by defining the elements of the 4IR and how they would impact the education system. He expressed that the Industrial Revolution 4.0 and Education 4.0 are interconnected concepts that represent the integration

of advanced technologies and innovative approaches both industry and education. He also outlined the evolution of the Industrial revolution from IR 1.0 to IR 4.0.

Within the context of IR 4.0, he also mentioned that countries like Japan are already advancing towards the phase of IR 5.0 and Society 5.0. He also provided an example of China, where various technologies have already been implemented to enhance and elevate their education system.

Additionally, he elucidated that due to the differing impacts of the technology, there are predictions of an increase in social pain, as the industrial revolution had led to a division among people into two distinct groups: those who have



benefited from these advancements and those who have not.

Furthermore, he emphasized that



despite the continuous advancement of technology, AI is not yet as effective as humans, particularly in task that requires complex decision-making and creativity. Currently, AI is mainly utilized for routine tasks and data processing. However, it falls short when it comes to replicating the full range of human capabilities. Therefore, even with the remarkable technologies progress, AI still cannot entirely replace human capabilities.

Finally, he concluded his presentation by highlighting the importance of developing students as compasses, enabling them to navigate confidently through each phase of their lives.

Following the presentation, Principal Er. Sujan Maka addressed audiences with great enthusiasm for their attentive participation in the

presentation. Principal Sujan Maka expressed his firm belief that 4IR was not just about embracing technology but also about fostering a growth mindset among students and educators.

He further emphasized the importance of encouraging imagination and critical thinking, stating that technology alone could not solve complex challenges without human resourcefulness.

He also mentioned that the education system in Nepal has not kept up well with the changes brought by the industrial revolution and technology. The system has been primarily focused on achieving high grades in final exams rather than adapting to the change needs of the modern world. However, at Khwopa Engineering College, we have been implementing various technologies to enhance the quality of educations for our students.

In conclusion, the event marked a significant step forward in embracing the Fourth Industrial Revolution and equipping students with skills and mindset needed to thrive in an ever-changing world.

## Book Talk on "The Brick and the Bull: An Account of Handigaun, the Ancient Capital of Nepal"

18<sup>th</sup> Asar

Khwopa Engineering College (KhEC) and Khwopa College of Engineering (KhCE)



jointly organized a captivating book talk on the book entitled "The Brick and the Bull: An Account of Handigaun, the Ancient Capital of Nepal" on Asar 18, 2080. The event took place at the college premises and saw a keen audience comprising faculties and staff members.

The book, authored by the distinguished Prof. Dr. Sudarshan Raj Tiwari, offers a fascinating insight into the historical significance of Handigaun, the ancient capital of Nepal. The program, organized by the Library Section of KhEC and KhCE, aimed to shed light on the rich heritage of the Kathmandu Valley.

The presenter for the event was the Senior Lecturer, Dr. Subik Kumar Shrestha, who began by introducing the book and sharing the author's perspective. The program was structured to cover various aspects related to Handigaun's history and cultural heritage.

The audience was taken on a journey through time as the following topics were presented:

1. Introduction and the author's perspective on Handigaun's historical significance.
  2. Handigaun's location and its introduction.
  3. Insights into Andipringaa, a notable aspect of the region's heritage.
  4. An exploration of Nepal's history, from the Gopal and Kirat periods to the Lichchhavi era.
  5. The arrival of the brick and bull, a pivotal moment in Handigaun's history.
  6. An exploration of the reasons why Handigaun is considered an ancient city.
  7. The significance of the Jaat and Jyapu communities in the region's cultural fabric.
  8. Dr. Subik Kumar Shrestha shared his own experiences from a site visit to Handigaun.
  9. The historical and cultural importance of Tunaldevi.
  10. Ancient town planning ideas that have shaped Handigaun's urban landscape.
  11. The celebration of Jatras, with a focus on the Satyanarayan Jatra.
  12. Insights into ancient buildings like Madhyam Rajkul, Mandev, Mangriha, Maneshwar, and Kailashkut Bhawan.
- The program concluded with an address by Principal Sujan Maka of KhEC, who emphasized the relevance and importance of such books in preserving and understanding the history of the Kathmandu Valley. He urged every individual to study such literary works to gain a deeper appreciation for their cultural roots and stand firm on the foundation of historical facts. The event proved to be an enriching experience for all attendees, fostering a greater connection with Nepal's rich past.

## Recent Result of KhEC Students Presented and Analyzed in Series of Meetings

31<sup>th</sup> Asar

Recent result of KhEC students in final exams and internal assessments have been analytically presented by respective exam representatives of four different departments for further discussion among the subject faculty in presence of Head of Exam Section, Vice Principal and the Principal of the college.

On 8 Asar 2080, Exam Representative of Science and Humanities Departments Sr. lecturer Keshav Paudel gave a presentation on the results of board exams and internal assessment of first semester and second semester of Civil Engineering Students-2078 batch with reference to past five years' results.

Similarly, Er. Migma Joshi, Exam Representative of Department of Electronics, Communication and Automation Engineering presented on results of final exams and assessments of the students of its concern from 2075 batch to 2077, batch and an elongated discussion was held among the subject faculty following the presentation on 26 Asar 2080.

On 29 Asar 2080, Senior Lecturer Sushma Bajracharya, Exam Representative, Architecture Department, delivered a presentation on results of final exams and assessments of its Students of 6 batches (2017 to 2022) among the concern Subject faculty to identify the trends of results and areas for improvement in future.

Sr. Lecturer, Shyam Sundar

Basukala, Exam Representative of Civil Engineering Department presented on the results of board exams and assessments of 3 batches of Civil Engineering Students (2075 to 2077 batches) on 10 Shrawan 2080 among the concerned faculty members.

After listening to the presentation and deliberations keenly in all these meetings, Principal Er. Sujan Maka, while delivering his final remarks, suggested further specific close discussion among the subject faculty to reach more specific and valuable conclusion for individual subjects.

### International Conference on Technologies for Computer, Electrical, Electronics & Communication (ICT-CEEL 2023)

October 11<sup>th</sup>-13<sup>th</sup>, 2023

## Call for Papers



#### Topics

**Computer Science and Engineering**

- Computer Vision and Image Analysis
- Big Data and Cloud Computing
- Computer Networks and Communication
- Artificial Intelligence and Machine Learning
- Human-Computer Interaction
- Theoretical Computer Science
- Data Structures, Algorithms and Optimization Technique
- Network and Cybersecurity
- Data Mining and Knowledge Engineering
- Game Theory
- Quantum Computing
- Virtual, Augmented, and Mixed Reality
- Natural Language Processing
- Blockchain Technology

**Electronics and Communication**

- Communication System
- Digital Signal Processing
- Antennas, Microwave and Propagations
- Remote Sensing and Applications
- Electronics Circuit & Control
- Bioinformatics
- Robotics and Industrial Automation
- Plasma and Nano Technology
- IOT and Embedded System
- Quantum Communication
- Agro-electronics

**Electrical Engineering**

- Smart Grid Monitoring
- Electrical Vehicles and Charging Station
- Distributed Generation System
- Challenges of Autonomous Power Supply
- Green Energy
- Power Electronics and Converters/ Drives and Controls
- Power System Dynamics and Reliability
- Power Generation, Transmission, Distribution and Energy Storage
- Energy Mix and Optimization
- Waste to Energy

#### Key Dates

Paper Submission : 20<sup>th</sup> June 2023 to 30<sup>th</sup> July 2023  
Acceptance date : 15<sup>th</sup> August 2023  
Camera Ready Paper : 15<sup>th</sup> September 2023



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# International Conference on Technologies for Computer, Electrical, Electronics & Communication (ICT-CEEL 2023)

October 11<sup>th</sup>-13<sup>th</sup>, 2023

## Call for Papers



**Key Dates :** Paper Submission 30<sup>th</sup> July 2023 (Extended) | Acceptance date 15<sup>th</sup> August 2023 | Camera Ready Paper 15<sup>th</sup> September 2023 | Conference on October 11<sup>th</sup>-13<sup>th</sup>, 2023



**Prof. F. Gonzalez-Longatt, Ph.D.**

Francisco M. Gonzalez-Longatt (Senior Member IEEE) is currently a full professor of electrical power engineering with Institutt for elektro, IT og kybernetikk, Universitetet i Sørøst-Norge, Norway. He is the Leader & Founder of DigEnSysLab. He has prolific research productivity including several industrial research projects and consultancy worldwide. Also, he is the author or editor of several books (Spanish and English).



**Associate Prof. Ashish Khanna, Ph.D.**

Dr. Ashish Khanna [IEEE Member'2019, Senior Member'2020, MACM] has expertise in Teaching, Entrepreneurship, and Research & Development with specialization in Computer Science and Engineering Subjects. He is part of world's leading 2% research community list from STANFORD UNIVERSITY, USA. His research interest includes, Distributed Systems and its variants (MANET, FANET, VANET, IoT), Machine learning. He has around 200 accepted and published research papers and book chapters in reputed SCI, Scopus journals, conferences and reputed book series including 101 papers accepted and published in TOP SCI indexed Journals.

<https://ictceel.khwopaconference.com>

## Keynote Speakers



**Djamila Amimer, Ph.D.**

Djamila Amimer is an experienced business leader and entrepreneur, CEO and founder of Mind Senses Global. Her 20-year business experience cover a broad range of skills across AI, machine learning, commercial deals, business strategy, energy, supply chain, shipping & trading, business resilience and climate change. Djamila is a LinkedIn Top Voice in AI and ranked among the Top 10 global thought leaders in AI, emerging technologies and predictive analytics.



**Prof. Kim Hyeon-Tae, Ph.D**

Kim Hyeon-Tae is a Professor of Department of Biosystem Engineering at Gyeongsang National University and the Director of Gyeongsang National University (Institute of Smart Farm). His main research focuses are animal welfare and precision livestock, animal bio-metric, precision agriculture, environment control greenhouses, plant factories, and smart farms with AI. He serves as Vice-President, Director, and Editor of The Korean Society for Bio-Environment Control, Vice President and Director of The Korean Society for Agricultural Machinery.



**Kishore Tanikella**  
Director - Silicon Architecture at AMD (HYD)

Kishore Tanikella is the Director of Engineering for Programmable Products in AMD Hyderabad. He leads the Silicon Architecture group for Programmable products in AMD Hyderabad helping architect multiple generations of high-end and low-end Adaptive FPGAs. Responsibilities include Silicon Architecture definition and evaluation, System Performance Modeling and Analysis and Product planning for these devices.

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# 3<sup>rd</sup> International Conference on Earthquake Engineering and Post Disaster Reconstruction Planning

(3<sup>rd</sup> ICEE-PDRP 2023), 17<sup>th</sup>-19<sup>th</sup> Oct 2023



## Call for Papers

### Themes

- Engineering Seismology
- Geotechnical Earthquake Engineering
- Assessment, Analysis, and Retrofitting of Structures
- Analysis, Design, and Design Criteria of Structures
- Non-structural Components
- Damage, Vulnerability, and Risk Assessment
- Dynamic Characterization and Structure Health Monitoring
- Infrastructure and Lifeline Systems
- Social, Cultural and Economic Aspects
- Lesson Learnt from Past Earthquakes
- Temporary Shelter
- Reconstruction Issues in Historic Towns
- Reconstruction Issues in Urban Settlement
- Information Management in Pre and Post Disaster Scenes
- Open space/ Evacuation space-Use and Planning
- Communities and Relief works
- Stake holders and Partnership in Reconstruction
- Government Policies and Strategies
- Relocation/ Regeneration/ Settlement Planning
- Conservation and Restoration of Heritage Structures
- Disaster Risk Management of Heritage Sites
- Integration of DRR into Urban Design and Planning
- Incentives for Disaster Resilient Reconstruction
- Earthquake Disaster Risk Mitigation
- Reconstruction Issues in Rural Areas
- Reconstruction and Resource Management
- Human Behaviour of Affected Individual and Community in Disaster Situations

### Key Dates

Abstract Submission : 15<sup>th</sup> June 2023

Notification of Acceptance date : 30<sup>th</sup> June 2023

Camera Ready Paper : 15<sup>th</sup> September 2023

Early Bird Registration 15<sup>th</sup> September 2023



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