IOEGC-16 :: Session Details (Day 1 - April 18, 2025)

S.N.	Conference ID	Submission ID	Submission Title	Presenting Author	Session	Mode of Presentation
1	A1-1	290	Response of Bridge Pier after Deck Continuity	Bhesh Raj Chalise	A1 Bridge Engineering	Online
2	A1-2	321	Determination of Performance of Different Type of Bailey Bridge of Different Configurations	Samir Thapa		
3	A1-3	195	Seismic Performance Assessment for Multi-Span Reinforced Concrete Arch Bridge	Bashu Dev Timalsina		
4	A1-4	81	Comparison of Performance of Three versus Two Girder Systems of Reinforced Concrete T Girder Bridges	Sadiksha Kandel		
5	A1-5	188	Long Term Effects of Creep and Shrinkage on the Structural Behavior of Prestressed Concrete I-Girder Bridge	Rojan Thapa		
6	A1-6	109	Analytical Damage Fragility Assessment of Reinforced Concrete Bridge Piers	Sandesh Tripathi		
7	A2-1	74	Breast Cancer Detection with CNN-Based Deep Learning and Explainable Artificial Intelligence	Sahil Subedi	A2 Artificial Intelligence / Machine Learning-I	Online
8	A2-2	178	Predictive Modeling for Optimization of LTE Network Quality Using Semi-Supervised Learning on Measurement Report Data	Nishan Nepal		
9	A2-3	291	Estimation and Prediction of PM2.5 and PM10 Concentration in Kathmandu Valley using Remote Sensing and Machine Learning	Indra Paudel		
10	A2-4	69	Price Prediction of Petroleum products in Nepal using Machine Learning Algorithms	Kanchan Dutta		
11	A2-5	159	AI-Powered Video Editing: Automating Silence and Error Removal for Efficiency	Rajad Shakya		
12	A2-6	221	Coverage Analysis of Digital Mobile Radio using Longley-Rice And Rec. Itu-R P.1812-6 Propagation based on Voice Channel Performance Criterion inside Kathmandu Valley	Nabin Baniya		

S.N.	Conference ID	Submission ID	Submission Title	Presenting Author	Session	Mode of Presentation
13	A3-1	199	Techno-Financial Analysis of Hybrid Power System of Rural Telecom Sector and Power Optimization using Genetic Algorithm	Samar Bariya	A3 Electrical Generation and transmission-I	Online
14	A3-2	377	Optimal Multiple Distributed Generators Placement and Recloser – Fuse Co-ordination by using Water Cycle Algorithm in a Radial Distributed Network	Saurab Bhattarai		
15	A3-3	409	Dynamic Thermal Rating for Congestion Management in High Renewable Regions: Case Study of Dana-Kushma-New Butwal 220~kV Line	Khil Nath Aryal		
16	A3-4	432	Long Term Analysis of Generation Adequacy of INPS	Pawan Karki		
17	A3-5	256	Impact Assessment of BESS on frequency response of power system with high DG penetration	Priyanka Karki		
18	A3-6	548	Optimal Distributed Generation Allocation and Optimal Network Reconfiguration to improve the performance of Distribution System	Subash Panta		
19	A4-1	147	Investigation of barriers to the adoption of BIM (Building Information Modeling) in Nepal: Multi-case Study Approach	Bibek Himalaya	A4 Building Construction Management	Physical
20	A4-2	62	Assessment of Factors Causing Delay in Commercial Building Construction Projects in Kathmandu Valley, Nepal	Alok Raj Chaudhary		
21	A4-3	384	Risk Management in Selected Building Construction Projects within Kathmandu Metropolitan City, Nepal	Manu Poudel		
22	A4-4	435	Assessment on Adoption of Alternative Building Materials in Nepal	Rupak Gautam		
23	A4-5	83	Optimizing Construction Scheduling through Building Information Modeling (BIM): Advancing Project Efficiency in Nepal	Sushil Basnet		
24	A4-6	238	Artificial Neural Network Model for Predicting Construction Duration of Building Projects in Nepal	Sarun Bhomi		

S.N.	Conference ID	Submission ID	Submission Title	Presenting Author	Session	Mode of Presentation
25	B1-1	15	LSTM-Based Weather Forecasting for Dharan, Nepal: A Machine Learning Approach	Mandip Rai	B1 Climate Change	Online
26	B1-2	351	How crop water requirements are projected to change with climate change in Chandra Mohan Irrigation Project in Nepal?	Sandesh Rai		
27	B1-3	539	Assessing the Climate Resilience of High-Mountain Hydropower Under Varying Demand and Shifts Induced by a Decarbonized Transportation Sector	Sujit Upaddhaya Regmi		
28	B1-4	471	Enhanced Stream Flow Prediction Using Ensemble Learning and LSTM Techniques on Time Series Data: A Case Study of the Bagmati River at Sundarijal	Bikram KC		
29	B1-5	161	Analyzing the Future Flooding and Flood Hazard Mapping under CMIP6 Climate Projection Using HEC-RAS 2D Modelling of Kamala River Basin	Yogesh Paudel		
30	B1-6	105	Tracing the Potential Transport Pathways of Wildfire-Related Air Masses to the Khumbu Glacier Using HYSPLIT Backward Trajectories	Aashutosh Paudel		
31	B2-1	91	Image Forgery Detection Using Capsule Network based on VGG19	Nabin Lal Shrestha	B2 Artificial Intelligence / Machine Learning-II	Online
32	B2-2	211	Image Colorization using Conditional Self Attention GAN	Anudit Adhikari		
33	B2-3	101	Real Time Flight Scheduling at TIA using Classical Optimization Techniques	Pavan Khanal		
34	B2-4	257	Airport Visibility Prediction Using Supervised Machine Learning Algorithms	Bhoj Raj Adhikari		
35	B2-5	271	Nepali Music Genres Classification Using Convolutional Neural Network	Prabin Lamichhane		
36	B2-6	263	Hybrid Approach to NEPSE Index Prediction: ARIMA, LSTM, and Transformer Models	Dhurba Subedi		

S.N.	Conference ID	Submission ID	Submission Title	Presenting Author	Session	Mode of Presentation
37	B3-1	27	Rolling Bearing Fault Diagnosis on Vibration-Based Condition Monitoring of Induction Machines Using Machine Learning	Prakash Dahal	B3 ML in Electrical Engineering	Online
38	B3-2	339	An Intelligent Deep Convolutional Neural Network Based Islanding Detection for Multi-DG Systems	Om Prakash Jaiswal		
39	B3-3	426	Distribution System Power Quality Improvement Using STATCOM in IEEE 14 bus system	Govinda Kumar Jaiswal		
40	B3-4	477	Deep Neural Network-Based Optimal Power Flow and Security Assessment Under Critical Contingencies	Panas Bhattarai		
41	B3-5	207	Stator Inter-Turn Fault Detection by Analyzing Impedance Using Frequency Response Analysis Technique	Manju Koirala		
42	B3-6	281	Optimal Relay Coordination Scheme for Active Radial Distribution Network using hybrid Salp-Swarm Algorithm and Linear Programming	Basant Raj Tiwari		
43	B4-1	447	Seismic Performance Evaluation and Retrofitting of Stone Masonry Building	Bipin Thapa	B4 Seismic Performance of Structures-I	Physical
44	B4-2	66	Seismic Performance Evaluation of Dressed Stone Masonry	Sumit Paudel		
45	B4-3	229	Seismic Response of Multistorey RC Buildings on Sloping Grounds	Abhinav Paudel		
46	B4-4	244	Comparative Analysis of Seismic Performance of a 12 story RC Building with Shear walls and Viscous wall dampers	Anish Maharjan		
47	B4-5	248	Nonlinear Seismic Evaluation of Multi-storey Reinforced Concrete Frame Structures	Srijal Kunwar		
48	B4-6	427	Effect of Soil Structure Interaction on Seismic Response of RC Structure: A Case Study of Pre-Existing Hotel Building at Kathmandu Valley	Sushmita dahal		

S.N.	Conference ID	Submission ID	Submission Title	Presenting Author	Session	Mode of Presentation
49	C1-1	407	MLR Model for Prediction of Construction Duration of Bridge Projects in Nepal	Ashesh Ghimire	C1 Construction and Project Management -I	Online
50	C1-2	417	Assessing Key Factors Affecting Labor Productivity in Construction Site	Sanish Maharjan		
51	C1-3	528	An Analysis of Association Between Project Size, Project Duration and Percentage Below Engineers estimate of Bridge Construction Projects in Nepal	Sujan Shrestha		
52	C1-4	118	Examining the Effectiveness of PPR Amendments in Ensuring Construction Project Completion Success Rates in Nepal: A Case Study of Postal Highway	Anupras Niraula		
53	C1-5	234	Analyzing Competition with Bidding Trends and Relationships between Project Size, Number of Bidders and Percentage below Estimate in Public Construction Procurement	Bhugol Khanal		
54	C1-6	355	Assessing whether existing bid capacity formula restricts competition in Nepal's Public Procurement	Bishwash Parajuli		
55	C2-1	324	Line Detection Algorithm	Gulshan Chaurasia	C2 Computer Vision & Image Processing-I	Online
56	C2-2	35	Accelerating Image Enhancement Through Advanced Layout Designs: A Performance Study of Fast ACE	Suman Shrestha		
57	C2-3	130	Image Captioning in Nepali using CNN-Transformer Architecture	Sagar Paudel		
58	C2-4	403	A Comprehensive Study on Addressing Source Target Domain Mismatch in Segregation of Fruits Using Deep Neural Network	Surya Prasad Timilsina		
59	C2-5	325	Nepali Handwriting Word Synthesis using a Progressive GAN	Dhruba Thapa		
60	C2-6	239	Ranjhana Lipi Handwritten Character Generation Using Conditional Generative Adversarial Network	Nagendra lal karn		

S.N.	Conference ID	Submission ID	Submission Title	Presenting Author	Session	Mode of Presentation
61	C3-1	99	Hybrid MPPT for PV Converter: Integrating Long Short-Term Memory (LSTM) Networks with Perturb and Observe (P\&O) Technique for Real-Time Optimization	Rachhak Shahu	C3 Power Electronics/System	Online
62	C3-2	343	Sensor-less Commutation of Brushless DC Motor Based on Zero- Crossing Detection of Line Voltage Differences	Aashish Acharya		
63	C3-3	519	High-Efficiency Gallium Nitride-Based LLC Resonant DC-DC Converter for Electric Vehicle Charging Systems	Amrit Ghimire		
64	C3-4	457	Discrete Wavelet Transform Based Fault Distance Estimation Scheme For Transmission Line	Ranjit Sah		
65	C3-5	509	Voltage Impact Analysis for VSC-Based DGs Connected to the Primary Distribution System	Upendra Bhattarai		
66	C3-6	358	Design and Anticipated Performance of Proposed 10 MW Solar Power Plant	Sanjeev Kunwar		
67	C4-1	556	Flood Fragility Analysis of RC Residential Building	Kalyan Adhikari	C4 Structural Engineering - I	Physical
68	C4-2	46	Performance of Outrigger Building System due to Axial Shortening Effects	Saugat Upreti		
69	C4-3	287	Investigation of Bridge Responses and Differential Settlement Subjected to Dynamic Excitation	Suraj Shrestha		
70	C4-4	549	Response Modification Factor (R) for RC Bridge in Mountainous Region of Nepal	Badal Budha		
71	C4-5	67	Comparative Multi-Objective Optimization of Pratt, Howe, and Warren Truss Bridges for a 60m Span Using Genetic Algorithms	Nripesh Poudel		
72	C4-6	391	Pounding Effect on Adjacent Reinforced Concrete and Steel Framed Structure	Binaya Thakali		