PEC CPD Activities Calendar for Year 2022

PEB Name: University of Engineering and Technology (UMT) School of Engineering (SEN)

PEB Reg. #: PEB-P-UMTLHR-0026

Name of PEB Coordinator: Eng. Dr. Muhammad Usman Rashid

ELECTRICAL ENGINEERING DEPARTMENT

Sr. #	CPD Title	CPD Category - Type	Location	Dates	Collaboration	Resource Person	CPD Credit Points
1	Image Processing through Raspberry Pi	C-Lecture	SEN Building and online through Zoom	24th Feb 2022	Faculty from Electrical Engineering Department, SEN and PEC	Bilal Anwar and Dr. Shakeel Ahmad	0.5
2	Deployment of Machine Learning/Deep Learning in real time scenario	C-Lecture	SEN Building and online through Zoom	3rd March 2022	Industry professional from Affiniti and Fatima Group and PEC	Muaaz Zakria and M. Huzaifa Bashir	0.5
3	Machine learning for speech signal processing	C-Lecture	SEN Building and online through Zoom	24th March 2022	Faculty from Electrical Engineering Department, SEN and PEC	Khalid Ijaz and Muhammad Asim Butt	0.5

#	Title	Type	Location	Date	Faculty/Speaker	Name	CPD
4	Finite State Machine implementation using FPGA	Training/Workshop	SEN Building and online through Zoom	5th May 2022	Faculty from Electrical Engineering Department, SEN and PEC	Awais Saeed and Dr. Farhat Kaleem	0.5

CIVIL ENGINEERING DEPARTMENT

#	Title	Type	Location	Date	Faculty/Speaker	Name	CPD
1	Latest tools and techniques in hydropower designs: A case study of Power Waterways	C-Lecture	SEN Building and online through Zoom	1st Feb. 2022	Faculty from Electrical Engineering Department, SEN and PEC	Dr. Usman Rashid	0.5
2	Next Generation Construction Techniques	C-Lecture	SEN Building and online through Zoom	29th March, 2022		Dr. Salman Azhar	0.5
3	The in-situ health assessment of damaged structures	C-Lecture	SEN Building and online through Zoom	15th April, 2022	Faculty from Electrical Engineering Department, SEN and PEC	Dr. Syed Ali Rizwan	0.5
4	Optimization of Water Resources Management: A case study of Large Reservoirs	C-Lecture	SEN Building and online through Zoom	2nd May, 2022	Faculty from Electrical Engineering Department, SEN and PEC	Dr. Usman Rashid	0.5
5	Introduction of dynamic lapse rate in hydrological modeling	C-Lecture	SEN Building and online through Zoom	15th May, 2022	Faculty from Electrical Engineering Department, SEN and PEC	Dr. Asif Naseer	0.5

6	Artificial Intelligence in Geotechnical Engineering: Applications, Modeling and Future Directions	C-Lecture	SEN Building and online through Zoom	1st June, 2022	Faculty from Electrical Engineering Department, SEN and PEC	Dr. Nouman Raja	0.5
7	Rehabilitation of Reinforced Concrete Structures using Composite Materials	C-Lecture	SEN Building and online through Zoom	16th June, 2022	Faculty from Electrical Engineering Department, SEN and PEC	Dr. Zafar Baig	0.5
8	Assessment and prediction of cracking pattern in expansive soils	C-Lecture	SEN Building and online through Zoom	4th July, 2022	Faculty from Electrical Engineering Department, SEN and PEC	Dr. Taseer Abbas	0.5
9	Structural Analysis with MATLAB	C-Lecture	SEN Building and online through Zoom	15th July, 2022	Faculty from Electrical Engineering Department, SEN and PEC	Dr. Iffat Siddique	0.5
10	Excel as Research Data Analysis Tool	C-Lecture	SEN Building and online through Zoom	15th August, 2022	Faculty from Electrical Engineering Department, SEN and PEC	Dr. Iffat Siddique	0.5
11	Disaster Management techniques	C-Lecture	SEN Building and online through Zoom	2nd Sep, 2022	Faculty from Electrical Engineering Department, SEN and PEC	Dr. Ahmed Ali Gul	0.5