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| **PROPOSED CPD Activities Calendar for Year 2024** |
| **PEB Name:** | **University of Engineering and Technology (UMT)****School of Engineering (SEN)** |
| **PEB Reg. #:** | PEB-P-UMTLHR-0026 |
| **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 | 30th Feb 2024 | 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 2024 | 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 | 29th March 2024 | SEN and PEC | Khalid Ijaz and Muhammad Asim Butt | 0.5 |
| 4 | Finite State Machine implementation using FPGA | Training/ Workshop  | SEN Building and online through Zoom | 15th May 2023 | SEN and PEC | Awais Saeed and Dr. Farhat Kaleem | 0.5 |
| 5 | Latest tools and techniques in hydropower designs: A case study of Power Waterways | C-Lecture | SEN Building and online through Zoom | 28st Feb, 2024 | SEN and PEC | Dr. Usman Rashid | 0.5 |
| 6 | Introduction of dynamic lapse rate in hydrological modeling | C-Lecture | SEN Building and online through Zoom | 17th March, 2024 | SEN and PEC | Dr. Asif Naseer | 0.5 |
| 7 | Artificial Intelligence in Geotechnical Engineering: Applications, Modeling and Future Directions | C-Lecture | SEN Building and online through Zoom | 1st April, 2024 | SEN and PEC | Dr. Nouman Raja | 0.5 |
| 8 | Rehabilitation of Reinforced Concrete Structures using Composite Materials | C-Lecture | SEN Building and online through Zoom | 19th May, 2024 | SEN and PEC | Dr. Zafar Baig | 0.5 |
| 9 | Disaster Management techniques | C-Lecture | SEN Building and online through Zoom | 22nd Aug, 2024 | SEN and PEC | Dr. Ahmed Ali Gul | 0.5 |