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| **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** |
| **Sr. #** | **CPD Title** | **CPD Category - Type** | **Location**  | **Dates**  | **Collaboration**  | **Resource Person**  | **CPD Credit Points** |
|  | **ELECTRICAL ENGINEERING DEPARTMENT** |  |  |  |  |  |  |
| 1 | Brief introduction to Raspberry Pi and demonstration of image processing using Rpi board | C-Lecture | SEN, UMT | 24-02-2022 | SEN, UMT and PEC | Engr. Dr. Shakeel Ahmad | 0.5 |
|  | **INDUSTRIAL ENGINEERING DEPARTMENT** |  |  |  |  |  |  |
| 2 | Manufacturing 4.0: Teams of human and robots in factories of the future. | C-Lecture | SEN, UMT | 11-05-2022 | SEN, UMT and PEC | Dr. Ali Ahmad Malik | 0.5 |
|  | **MECHANICAL ENGINEERING DEPARTMENT** |  |  |  |  |  |  |
| 3 | OBE training on Complex Engineering Problem | C-Lecture | SEN, UMT | 09-03-2022 | SEN, UMT and PEC | Prof. Dr. M. Pervez Mughal | 0.5 |
| 4 | Emerging Manufacturing Technologies | C-Lecture | SEN, UMT | 26-05-2022 | SEN, UMT and PEC | Prof. Dr. Ghulam Hussain | 0.5 |
|  | **CIVIL ENGINEERING DEPARTMENT** |  |  |  |  |  |  |
| 5 | Latest tools and techniques in hydropower design: A case study of power waterways | C-Lecture | SEN, UMT | 01-02-2022 | SEN, UMT and PEC | Prof. Dr. Usman Rashid | 0.5 |
| 6 | Next Generation Construction Techniques | C-Lecture | SEN, UMT | 29-03-2022 | SEN, UMT and PEC | Dr. Salman Azhar | 0.5 |
| 7 | How to select appropriate materials to repair concrete surfaces | C-Lecture | SEN, UMT | 30-03-2022 | SEN, UMT and PEC | Prof. Dr. Jahangir Mirza | 0.5 |
| 8 | Advanced Sustainable Materials for concrete structures | Workshop | SEN, UMT | 31-03-2022 | SEN, UMT and PEC | Prof. Dr. Jahangir Mirza | 01 |
| 9 | Health and Safety Management System in Projects: Fire Protection & Prevention | C-Lecture | SEN, UMT | 11-05-2022 | SEN, UMT and PEC | Engr. Ali Hassan | 0.5 |
| 10 | Key to deliver projects successfully | C-Lecture | SEN, UMT | 07-06-2022 | SEN, UMT and PEC | Mr. Safdar Mahmood Tahir | 0.5 |
| 11 | Advanced Visualization Technologies for Design and Construction (More focused) | C- Lecture | SEN, UMT | 09-12-2022 | SEN, UMT and PEC | Dr. Salman Azhar | 0.5 |