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| **Electrical Courses List** |
| No  | Code  | Course Title  | Duration (Days ) | Remarks |
| 1 | ELETP01 | Electrical Power system Generation Operation, selection , installation , Protection , Control and troubleshooting  | 5 days  |  |
| 2 | ELETP02 | Electrical Power Transformers Operation, Selection , Protection , installation And Troubleshooting | 5 days  |  |
| 3 | ELETP03 | Power Cable Selection components , Manufacturing , Installation and Fault location  | 5 days  |  |
| 4 | ELETP04 | LV/MV Low &Medium Cable splicing , Termination and fault location  | 5 days  |  |
| 5 | ELETP05 | OHTL Overhead Transmission Lines Operation, Maintenance and Live Work Activities | 5 days  |  |
| 6 | ELETP06 | Low & Medium Voltage Circuit Breakers operation , Selection , Component , Maintenances and troubleshooting | 5 days  |  |
| 7 | ELETP07 | Electrical AC/DC Motor Operation , installation ,selection, maintenances and Troubleshooting | 5 days  |  |
| 8 | ELETP08 | Electrical AC/DC Drives Operation , installation ,selection , maintenances and Troubleshooting | 5 days  |  |
| 9 | ELETP09 | Uninterruptable Power Supplies UPS Operation, selection & installation maintenances and Troubleshooting & battery system  | 5 days  |  |
| 10 | ELET10 | Electrical Emergency & Standby Power Systems operation , Selection , Component and troubleshooting | 5 days  |  |
| 11 | ELET11 | Electrical Submersible Pumps (ESP) Technology Design and Sizing | 5 days  |  |
| 12 | ELETP12 | LV/MV Low & Medium Voltage Switchgears operation , Selection , maintenances , Component and troubleshooting | 5 days  |  |
| 13 | ELE13 | Energy Saving Technologies and Smart Systems | 5 days  |  |
| 14 | ELETP14 | Batteries Operation, Selection and Troubleshooting For Industrial Applications | 4 days  |  |
| 15 | ELETP15 | Conventional / Classic Control Systems operation , troubleshooting and design  | 4 days  |  |
| 16 | ELETP16 | Programmable Logic Controllers PLC For Electrical Power system Applications | 4 days  |  |
| 17 | ELE17 | Modern electrical Power/Energy Management System PMS and smart technology  | 5 days  |  |
| 18 | ELETP18 | Preparation for CompEX certificate EX01,02,03 & 04 | 5 days  |  |
| 19 | ELETP19 | Electrical and Instrumentations Installation In Hazardous Area And Hazard Area Classifications according to IEC | 5 days  |  |
| 20 | ELET20 | Power System Protection and Advanced Protection Techniques operation ,Component and troubleshooting | 5 days  |  |
| 21 | ELET21 | Protection Relaying Systems Coordination, Selectivity and Discrimination | 5 days  |  |
| 22 | ELE22 | Electrical Power system standard Quality Improvement And Power Factor Correction ,Harmonics Effects and Elimination Methods | 5 days  |  |
| 23 | ELETP23 | Electric Earthing system (Grounding ) And Bonding For Personnel and Equipment Safety and Lightning Systems | 5 days  |  |
| 24 | ELET24 | Electric Safety For Electric Responsible team  | 3 days  |  |
| 25 | ELEP25 | Electrical Transient Analysis Program ETAP Level #1(Software ) | 5 days  |  |
| 26 | ELEP26 | Electrical Transient Analysis Program ETAP Level #2(Software ) | 5 days  |  |
| 27 | ELEP27 | Arc Flash Hazard Impact, Control and Prevention Techniques | 4 days  |  |
| 28 | ELET28 | Electrical international Standards For Electric Drawing , Schematics And Symbols | 4 days  |  |
| 29 | ELETP29 | Electrical systems Inspection , Maintenance and Troubleshooting For Electric Power Systems | 5 days  |  |
| 30 | ELET30 | Fundamentals Of Electrical Power Distribution Systems | 5 days  |  |
| 31 | ELETP31 | (LV/MV) Low Voltage / Medium Voltage Isolation , Lockout & Tagout  | 3 days  |  |
| 32 | ELET32 | Basic Electricity for Electrical and Non Electrical Persons | 3 days  |  |
| 33 | ELE33 | Electric for Non-Electric Engineers | 4 days  |  |
| 34 | ELT34 | Electrical Circuits systems basics & Fundamentals | 3 days  |  |
| 35 | ELETP35 | Electrical Equipment system Maintenance and troubleshooting | 5 days  |  |
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|  | **Courses Code**  |  |  |
|  | **ELETP00** | **EL : Electrical**  |  |  |
|  | **E: Engineer** |  |  |
|  | **T :Technician**  |  |  |
|  | **P : Practical**  |  |  |
|  | **00 : Course number**  |  |  |