**DAE Electrical Automation Technology**

**Minimum Qualification of Teacher/ Instructor**

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| **FIRST YEAR** | | |
| **S#** | **Course Name** | **Min Qualification** |
| 1 | Islamiat & Pakistan Studies | 16 Year Education in relevant Field |
| 2 | Chinese -1 |  |
| 3 | English | 16 Year Education in relevant Field |
| 4 | Applied Mathematics-I | 16 Year Education in relevant Field |
| 5 | Applied Chemistry | 16 Year Education in relevant Field |
| 6 | Business Management & Industrial Economics | 16 Year Education in relevant Field |
| 7 | Computer Applications | 16 Year Education in relevant Field |
| 8 | Principles of Electrical Engineering | 16 Year Education in relevant Field  i.e B.E/BSC/B-TECH (Electrical)  OR  D.A.E (Electrical) with 5 years Teaching Experience. |
| 9 | Basic Electrical Drawing |
| 10 | Basic Electronics-I |
| 11 | Workshop Practice (Electrical) |

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| **SECOND YEAR** | | |
| **S#** | **Course Name** | **Min Qualification** |
| 1 | Islamiat & Pak Studies | 16 Year Education in relevant Field |
| 2 | Applied Mathematics-II | 16 Year Education in relevant Field |
| 3 | Chinese Ⅱ |  |
| 4 | Understanding China |  |
| 5 | Applied Physics | 16 Year Education in relevant Field |
| 6 | Applications of Computers in Elect. Tech. | 16 Year Education in relevant Field |
| 7 | D.C. Machines & Batteries | 16 Year Education in relevant Field  i.e B.E/BSC/B-TECH (Electrical)  OR  D.A.E (Electrical) with 5 years Teaching Experience. |
| 8 | Electrical Instruments & Measurements |
| 9 | AC Machine |
| 10 | Digital Logic Design |

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| **THIRD YEAR** | | |
| **S#** | **Course Name** | **Min Qualification** |
| 1 | **Islamist & Pakistan Studies** | 16 Year Education in relevant Field |
| 2 | **Chinese Synthesis -1** |  |
| 3 | **Chinese Listening** |  |
| 4 | **Spoken Chinese** |  |
| 5 | **Electrical Chinese** |  |
| 6 | **Electronic skill training** |  |
| 7 | **Installation and maintenance of electrical control system** |  |
| 8 | **Introduction to Artificial Intelligence** |  |
| 9 | **Chinese Synthesis -2** |  |
| 10 | **Chinese Reading and Writing** |  |
| 11 | **Industrial Robot Technology** |  |
| 12 | **The Design of Intelligent Product Based on Arduino** |  |
| 13 | **Installation and Commissioning of PLC Control System** |  |
| 14 | **Frequency Conversion and Servo System** |  |
| 15 | **Power supply and distribution technology** |  |