**Course Schedules (Registration Date Extended)**

Last Date of Registration: ~~June 27~~ **July 15\*, 2019** ;Class starts from: ~~July 1~~ **July 18, 2019**\*

**ADVANCED Course on Industrial Automation and PLC: BDT 6000 (for CUET Students)**

 **BDT 10000 (For Professionals)**

**Training Course on PLC BDT 4000 (For CUET Students)**

 **BDT 7000 (For Professionals)**

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| --- | --- | --- | --- | --- | --- |
| **Day** | **Topics** | **Teacher** | **Time \*\*** |  |  |
| **1** | **Refreshment and Inaugural Ceremony** | Prof. Dr. M. A MatinBhuiyanDr. S.A NahianMs. SadiaTasnim | **CUET: 3:00 PM** |
| **2** | * **PLC Basics**
* **Basic Circuits and Relays**
 | Prof. Dr. M. A MatinBhuiyanDr. S.A NahianMs. SadiaTasnim | **IEB: 7PM** | **Theories** | **Training Course on PLC** | **ADVANCED Course on Industrial Automation and PLC** |
| **3** | * **Ladder Diagram and Logic Development**
* **Digital Input and Output of PLC**
 | Ms. SadiaTasnim | **IEB: 7PM** |
| **4** | * **Timer and Counter**
 | Ms. SadiaTasnim |  **IEB: 7PM** |
| **5** | * **Different types of Industrial Sensor and Actuators**
* **Introduction of 3phase Motor, VFD**
 | Ms. SadiaTasnim |  **IEB: 7PM** |
| **6** | * **Digital Input and Output of PLC**
* **PLC Timer and Counter**
* **Interactive Projects**
 | Dr. S.A Nahian | **CUET: 3:30PM** | **Practical** |
| **7** | **Written EXAM (@ IEB: 7:00PM🡪 END of Basic Course)** |
| * **Introduction of HMI and PLC analog operations**
 | Ms. SadiaTasnim |  **IEB: 7:30PM** | **Theories** |  |
| **8** | * **Communication Protocols**
* **HMI design**
* **HMI-PLC Communications**
 | Dr. S.A Nahian |  **IEB: 7PM** |
| **9** | * **Illustrative examples of analog inputs, outputs and HMI communication**
* **3 Phase Motor drive**
 | Dr. S.A Nahian | **CUET: 3:30PM** | **Practical** |
| **CUET: 3:00PM** |
| **10** | * **PLC-VFD MODBUS interaction for 3 phase motor control**
* **Student’s self-practice**
 | Dr. S.A Nahian | **CUET: 3:00PM** |
| **11** | **Group project for Advance course (CUET: 3:00PM)** |
| **12** | **Industrial Tour for both Basic and Advanced Course(depends on Industrial Schedule)** |
|  | **Award Certificates** | **CUET: 3:00PM** |  |  |

**\* Registration or Inauguration dates can be varied with IET official decision.**

**\*\* Date and time can be re-scheduled by consulting with students**