# Faculty of Technology

## M.Tech. Chemical Engineering

### (R 2021) Semester – I

**Course Code: CX 4111**
**Course Title: Computational Programming Laboratory for Chemical Engineers**

| Sl. No. | Description of Equipment | Required numbers (for batch of 25 students) |
|---|---|---|
| 1 | **Server Requirement**<br>Processor: i7<br>Hard Disk: 1TB<br>RAM: 64GB<br>MODEL: Power Edge; Tower Server<br>Microsoft Window Server –R2012<br>MY SQL – R2016 | **01** |
| 2 | **System Requirement**<br>Processor: i3<br>Hard Disk: 500GB<br>RAM: 4GB<br>Operating system : Windows 10 | **15** |
| 3 | **Software Required**<br>Open source Microsoft Office Excel 2007 package | **01** |
| 4 | **Software Required**<br>MATLAB single user license | **01** |
| 5 | **Software Required**<br>Open source chemical Engineering simulation software / ASPEN TECH with Floating licensing | **01** |

# Faculty of Technology

## M.Tech. Chemical Engineering

### (R 2021) Semester – II

### CX4211 Separation Techniques Laboratory

| Sl. No. | Description of Equipment | Required numbers (for batch of 25 students |
|---|---|---|
| **1** | MCD Distillation Column | 01 |
| **2** | RDC extraction Unit | 01 |
| **3** | Fixed Bed Adsorption Unit | 01 |
| **4** | Vacuum filtration setup | 01 |
| **5** | Wetted Wall Column | 01 |
| **6** | Thin layer / column Chromatography | 01 |
| **7** | Crystallizer | 01 |
| **8** | Software Required: Process simulation software tool | 25 |