

Faculty of Mechanical Engineering

M.E. CAD/CAM

(R 2017) Semester – I

ED5161 CAD LABORATORY

(Requirements for a batch of 25 students)

| Sl. No. | Description of Equipment | Quantity required (R) | Quantity available (A) | Deficiency (R - A) |
|----------------|--|------------------------------|-------------------------------|---------------------------|
| 1. | Modeling and drafting of Mechanical components – Assembly using Parametric and feature based Packages like PRO-E / SOLID WORKS /CATIA / NX etc | 25 | | |
| 2. | Printer | 1 | | |

Faculty of Mechanical Engineering

M.E. CAD/CAM

(R 2017) Semester – I

ED5162 ADVANCED ANALYSIS AND SIMULATION LABORATORY

(Requirements for a batch of 25 students)

| Sl. No. | Description of Equipment | Quantity required (R) | Quantity available (A) | Deficiency (R - A) |
|----------------|---|------------------------------|-------------------------------|---------------------------|
| 1. | Simulation Software – kinematics and dynamics simulation software like ADAMS , MATLAB etc | 25 | | |
| 2. | Analysis software – FEA Packages like ANSYS / NASTRAN ABAQUS etc | 25 | | |
| 3. | Color Printer | 1 | | |

Faculty of Mechanical Engineering

M.E. CAD/CAM

(R 2017) Semester – II
CC5211 CAM Laboratory

(Requirements for a batch of 25 students)

| Sl. No. | Description of Equipment | Quantity required (R) | Quantity available (A) | Deficiency (R - A) |
|---------|---|-----------------------|------------------------|--------------------|
| 1. | CAM Software for tool path generation for planer machining, contour machining, drilling, turning etc. & post processing modulus for different CNC controllers | 10 | | |
| 2. | Medium production type CNC turning center with popular industrial type controller | 1 | | |
| 3. | Medium production type CNC machining center with popular industrial type controller | 1 | | |
| 4. | Bench Model CMM | 1 | | |
| 5. | Vision & image processing software | 2 | | |
| 6. | Data Processing Software | 2 | | |