

RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

New Scheme Based On AICTE Flexible Curricula

Mechanical Engineering, IV-Semester

ME406- SOFTWARE LAB

- [1] . Role of computers in design and manufacture. Drawing soft ware, configuration, function and facilities, parametric representation, examples of drawings and systems
- [2] Surface modeling, curves and surface representation – composite surfaces, case studies in CAD, parametric representation analytic and synthetic curves, surface manipulation, design and engineering applications,
- [3] Current developments in CAD, feature based modeling,, design by feature,
- [4] Solid modeling, boundary representation, analytic solid modeling, constructive solid geometry, sweep representation, design and engineering applications,
- [5] Strategic plan of CAD system design and development, graphic exchange, features recovery, etc.

BOOKS:

1. Donald H, Paulin M, Computer graphics, Prentice Hall,
2. Ibrahim z., CAD/CAM, Theory and Practice, McGraw Hill,
3. Mc mohan C, Browne , CAD/ CAM Principles- practice and manufacturing management, Pearson Education AsiaLtd,