

BIJU PATNAIK UNIVERSITY OF TECHNOLOGY BPUT ORISSA

PLASTIC ENGINEERING

| <u>3rd SEMESTER</u> | | | | <u>4th SEMESTER</u> | | | |
|---|--|----------------------|----------------|---|--|----------------------|----------------|
| <i>THEORY</i> | | <i>Contact Hours</i> | | <i>THEORY</i> | | <i>Contact Hours</i> | |
| <i>Code</i> | <i>Subject</i> | <i>L-T-P</i> | <i>Credits</i> | <i>Code</i> | <i>Subject</i> | <i>L-T-P</i> | <i>Credits</i> |
| 01 | Mathematics – III | 3-1-0 | 4 | 01 | Mathematics – IV | 3-1-0 | 4 |
| 02 | Fluid Mechanics & Hydraulic Machines | 3-0-0 | 3 | 02 | Polymer Structure & Properties Relationship | 3-0-0 | 3 |
| 03 | Material Sciences | 3-0-0 | 3 | 03 | Plastic Materials & Application | 3-1-0 | 4 |
| 04 | Fundamentals of Polymer Science | 3-0-0 | 3 | 04 | Additives & Compounding | 3-0-0 | 3 |
| 05 | Engineering Economics & Costing OR Organisational Behaviour | 3-0-0 | 3 | 05 | Organizational Behaviour OR Engineering Economics & Costing | 3-0-0 | 3 |
| 06 | Object Oriented Prog using C++ OR Relational Database & Management Systems (RDBMS) | 3-0-0 | 3 | 06 | Relational Database & Management Systems (RDBMS) OR Object Oriented Prog using C++ | 3-0-0 | 3 |
| Credits (Theory) | | | 19 | Credits (Theory) | | | 20 |
| <i>PRACTICALS/SESSIONALS</i> | | | | <i>PRACTICALS/SESSIONALS</i> | | | |
| 01 | Mechanical Engineering Lab. OR Machine Shop & Fabrication Practice | 0-0-3 | 2 | Machine Shop and Fabrication Practice OR Mechanical Engineering Lab | | 0-0-3 | 2 |
| 03 | OOPS Computer Lab OR Relational database & Mgt. System Lab. | 1-0-3 | 2 | Relational database & Mgt. System Lab OR OOPS Computer Lab | | 0-0-3 | 2 |
| 04 | COMMUNICATION AND INTERPERSONAL SKILLS FOR CORPORATE READINESS | 1-0-3 | 2 | Polymer Chemistry Lab. | | 0-0-3 | 2 |
| Credits (Practicals/ Sessionals) | | | 6 | Credits (Practicals/Sessionals) | | | 6 |
| TOTAL SEMESTER CREDITS | | | 25 | TOTAL SEMESTER CREDITS | | | 26 |