

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**PLASTIC TECHNOLOGY**  
**B. E. SEMESTER: VII**

Subject Name: **Project-I**

Subject Code: **170001**

Teaching Scheme				Evaluation Scheme			
Theory	Tutorial	Practical	Total	University Exam (E)		Mid Sem Exam (Theory) (M)	Practical (Internal)
				Theory	Practical		
0	0	4	4	0	100	0	50

Sr. No	Course Content
1.	<p>As part of requirement of practical project work, student has to identify his project in stage 1. (ie Project I) which he will continue as Project II. (in next semester)</p> <p>For identification of Project work, the student may follow any one of the options.</p> <ol style="list-style-type: none"> <li>1. Industrial training of 3 to 4 weeks at the end of semester V and/or VI. ie. before start of semester VII, under the guidance of industrial person or faculty. A student will identify an industrial problem to work on.</li> <li>2. Industrial Problem identified by the faculty and or industrial person may be assigned as Project work.</li> <li>3. Faculty may assign a research based work as project to students.</li> </ol> <p>In preparing the report he may include the following topics.</p> <ol style="list-style-type: none"> <li>1. Introduction</li> <li>2. Definitions</li> <li>3. Raw materials/selection criteria of process</li> <li>4. Process in details.</li> <li>5. Various process parameters</li> <li>6. Properties</li> <li>7. Application</li> <li>8. Test</li> <li>9. Recent development in topic</li> <li>10. Cost Estimation.</li> <li>11. Environmental Issues.</li> <li>12. Fire and Safety measures</li> <li>13. Conclusion</li> </ol>

#### 14. Appendix

1. Demand/supply gape
2. Name of the manufacturers
  - a) Raw material
  - b) Machine
  - c) Mold/die
  - d) Auxiliary equipment
3. Process control and instrumentation

#### 15. References