



GUJARAT TECHNOLOGICAL UNIVERSITY
Syllabus for Bachelor of Vocation (B.Voc.), 6th Semester
Branch: Production Technology
Subject Name: Project Work
Subject Code: 21160303

Type of course: Engineering Science

Prerequisite: Zeal to learn the subject

Rationale: The necessity of the project work has been emphasized on group work. Proper group functioning is a prerequisite for maximizing output from a problem-solving group in work environment, proper organization of project work should be able to simulate such a situation that the students may be able to effectively work in groups and thus gain confidence to effectively take up responsibilities in their careers.

Teaching and Examination Scheme:

Teaching Scheme			Credit C	Examination Marks				Total Marks
L	T	P		Theory Marks		Practical Marks		
				ESE (E)	PA (M)	ESE (V)	PA (I)	
0	0	10	10	0	0	100	100	200

L- Lectures; T- Tutorial/Teacher Guided Student Activity; P- Practical; C- Credit; ESE- End Semester Examination; PA- Progressive Assessment

Content:

On the basis of learning in the B. Voc. Programme, a project to be taken up by the student strengthening his/ her vocational skills. This shall consist of work carried out by a student during the sixth semester with the main purpose of developing the ability of applying the knowledge gained in the studies to some practical problems. A student is required to carry out project work related to Production Technology under the supervision / guidance of faculty member. The project may be based on any of the following suggested list:

Design, analysis and/or fabrication,

- Product design and development,
- Design and development of laboratory equipment's /test rigs,
- Industry based project
- Industry need based basic survey or Testing or Analysis etc.

Preliminary literature review, objective, methodology and scope of project work undertaken will be presented in form of report for end semester certificate from Head of department for examination.

PROJECT WORK

The following points, concerning the project should be noted:

1. A record of all calculations, drawings and designs must be kept.
2. Student will work either individually or in a group of 3 or 4.
3. Written report must be available to the supervisor at the end of the course.

This report should be neatly written and produced in a suitable folder which bears the name of the college, the title of the project and the name of the contributor and the dates of the work. Although the reports will obviously vary from project to project, yet, they should in general, conform to the following pattern:

- a) **Summary:** A summary of the report which should not exceed one page in length.
- b) **Index:** The report should be logically indexed.



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- c) **Introduction:** This should introduce the reader to the objectives of the exercise.
- d) **Main body:** this will vary considerably from project to project and will contain all design calculations, drawings, results etc.
- e) **Conclusion:** This will state the main conclusions of the exercise.
- f) **Bibliography:** A list of all references used. In general, you will find that a well presented brief concise and logical report will score a higher assessment than a badly presented, lengthy muddled and illogical report.

List of Open Source Software/learning website: <https://nptel.ac.in/course.php>