

Program: Diplomain RubberTechnology (Sandwich Pattern)										
Course Code: RT22601				Course Title: Inplant Training						
Compulsory / Optional: Compulsory										
Teaching Scheme and Credits				Examination Scheme						
L	P	TU	Total	TH (2.30 Hrs.)	TS1 (1Hr.)	TS2 (1 Hr.)	PR	OR	TW	Total
-	20	--	20	-	-	-	-	50	50	100

Abbreviations: L- Theory Lecture, P-Practical, TU-Tutorial, TH- Theory Paper TS1 & TS2- Term Tests,

PR-Practical, OR-Oral, TW: Term Work (progressive assessment) , \* Indicates assessment by External Examiner else internal practical skill test , # indicates Self, on- line learning Mode, @ indicates on line examination

Note: For Minimum passing marks under various heads, refer, examination rule AR26.

#### Rationale:

An Engineer Technologist will face number of problems while working in the industry during his employment after passing out of an institute. The idea of placing a student in the industry before passing out is to give him enough exposure (for period of 20-24 weeks) to manufacturing operations , quality control procedures, product management operations of the machineries and raw materials used so that he is confident to work in the industry, During the training student is expected to understand a commercial establishment , their operations , their customers and marketing strategies, original equipment manufacturers and replacement market wherever applicable .

**Course Outcomes:** Student should be able to

CO1	To acquire knowledge about raw material and their manufacturers,
CO2	To acquire knowledge about machinery.
CO3	To execute work and delegate work.
CO4	To have human interaction.
CO5	To behave with colleagues and co-workers.
CO6	To become familiar with modern test equipments
CO7	To understand the commercial work.

**Course Content Details:**

Unit No	Topics / Sub-topics
	<p>As per the directives from Board of Apprenticeship and Training (BOAT) a student is eligible for Placement in manufacturing unit, Technical service laboratory, research and development laboratory and even with educational institute laboratory for training of minimum of 20 weeks.</p> <p>During the training the student is expected to acquire knowledge and information about the activities , customer relations, quality control methods, machinery operations and maintenance, testing equipment operation and calibration procedures, standard practice, international standards organizations and their test methods, technical literature, new developments etc..</p> <p>In short a student must be sincerely interested in grooming herself/himself so that he becomes most eligible candidate for employment.</p> <p>After completion of the training of around 20 to 24 weeks in the industry a student is supposed to submit a detailed report preferably in first person presenting pictures of all the necessary and relevant facts without any personal feelings.</p> <p>Style of report is important for the reader who may be a technical or non-technical person, an expert and a third person not concerned with the training. The report should consist of major headings, result , conclusions and comments. The details of the equipments used , procedure followed observations, calculations must be numbered and these must be referred to in the main report. Statistical and data tablets necessary but not essential can be placed in the appendix. The report should be written in such a way that a student should be able to refer the same in future. The report must reflect everything new the student has come across in the industry thus enlarging his horizon.</p> <ul style="list-style-type: none"> <li>• Report must have a formal title or a title page.</li> <li>• Report must have preface in the beginning.</li> </ul> <p>Stating the purpose of the report, sources of the information and the authority under whom the work is conducted.</p> <p>The acknowledgement page follows the preface. The trainee has to express their gratitude where they underwent training and to the sponsor of the Programme.</p> <p>Table of contents or index.</p> <p>Objectives of Training Programme.</p> <p>Report divided into chapters or sections, major headings depending on the area and the of operations.</p> <p>Each chapter may include organizational details of the particular industry, section wise report, learning experiences etc.</p>

	<p>Chapter I: Introduction of the Industry , Location , Turn over, Man Power, Technical , non technical Skill personnel, Products and marketing .</p> <p>Chapter II: Organizational structure-hierarchy, administration chart, communication system and Categories of Communications between personnel and department.</p> <p>Chapter III: Department section wise report , introduction of the department, equipments in the Department, roll of the engineers, learning experiences, work culture, materials and safety and problem solving strategies. Incentives for production, quality control , Introduction to the next department.</p> <p>Chapter IV: Industry based learning materials collected:- photographs, charts, diagrams, pictures, Specifications, research papers, technical etc.</p> <p>Chapter V: Suggestion for curriculum Modifications :- if perceived changes in the curriculum could be suggested which may include new technology, new techniques, obsolete techniques etc, with proper justification best on observation best on observation/experience during training.</p>
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**Appendix :** This section could contain charts, tables, diagrams , photographs etc. necessary but essential in the main frame of the report but must be referred to in the main report.

. Plant lay out and descriptions of the apparatus may be supported with well labeled diagrams rather than descriptions.

. Essential tablets, charts, figures, graphs, drawings have to be included in each chapter.

Except for the suggestions and recommendations report must be written in past tense and first person.

Coordinator,  
Curriculum Development,  
Department of Rubber Technology

Head of Department  
Department of Rubber Technology

I/C, Curriculum Development Cell

Principal



**GOVERNMENT POLYTECHNIC MUMBAI**  
 (Academically Autonomous Institute, Government of Maharashtra)  
**Teaching and Examination Scheme (P22)**  
 with effect from AY 2022-23

**Programme: Diploma in Rubber Technology (Sandwich Pattern)**

**Term / Semester - VI**

Course Code	Course Title	Teaching Hours/Contact Hours				Credits	Examination Scheme (Marks)						
		L	P	TU	Total		Theory			PR	OR	TW	Total
							TH	TS1	TS2				
RT22601	Inplant Training		20		20	20					50	50	<b>100</b>
<b>Total Contact Hours</b>					<b>20</b>								
<b>Overall Credits</b>					<b>186</b>								

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**\* Indicates assessment by External Examiner else internal assessment, # indicates self, on- line learning Mode, @ indicates on line examination**

**Note: Duration of Examination--TS1&TS2 -1hour, TH- 2:30 hours, PR/OR – 3 hours per batch, SCA- Library - 1 hour, Sports- 2 hours, Creative Activity-2 hours  
 Self, online learning Mode through MOOCS /Spoken Tutorials / NPTEL / SWAYAM / FOSSEE etc.**

Coordinator,  
 Curriculum Development,  
 Department of Rubber Technology

In-Charge  
 Curriculum Development Cell

Head of Department  
 Department of Rubber Technology

Principal

