FR. Conceicao Rodrigues College of Engineering

Father Agnel Ashram, Bandstand, Bandra-west, Mumbai-50

Department of Production Engineering

T.E. (Production) (semester VI) (2020-2021)

Lab Plan

Subject: Process Engineering and Tooling Laboratory (PEL601) **Credits-01**

Faculty: Dr. A.B.Rane

1. Syllabus.

Sr no	Design Exercise /Assignment.
01	Assignment on introduction to process engineering.
02	Assignment on Part print analysis.
03	Prepare Tolerance Chart Design for one component.
04	Design of Tool Layout for production lathe.
05	Design process planning sheet with process picture.
06	Design of Cams for Traub Automat.

CO Statements

Learner will be able to

PEL601.1	Do Part print analysis
PEL601.2	Design Cams for Traub automat
PEL601.3	Prepare process planning sheet with process picture
PEL601.4	Design Tool layout for production lathe

CO-PO-PSO Mapping.

CO# / PO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
PEL601.1	3	0	3	-	-	-	-	-	-	-	-	2
PEL601.2	3	2	3	-	-	-	-	-	-	-	-	2
PEL601.3	3	2	3	-	-	-	-	-	-	-	-	2
PEL601.4	3	2	3	-	-	-	-	-	-	-	-	2

CO# / PSO#	PSO1	PSO2
PEL601.1	3	-
PEL601.2	3	-
PEL601.3	3	-
PEL601.4	3	-

CO Assessment

Final CO achievement = 80 % of Direct assessment + 20 % of Indirect assessment

Direct assessment = 40 % of Assignment + 60 % of End semester result

In-direct assessment = Course exit survey

Curriculum Gap/Content beyond syllabus (if any).

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Assignment Plan

Week No.	Topics	Hours (Per Batch)
Week 4 (15/2/2021 to 20/2/2021)	Assignment on introduction to process engineering.	**2**
Week 5 (22/2/2021 to 27/2/2021)	Assignment on Part print analysis.	**2**
Week 6 (01/3/2021 to 06/3/2021)	**Unit Test 1**	**2**
Week 7 (08/3/2021 to 13/3/2021)	Prepare Tolerance Chart Design for one component.	**2**
Week 8 (15/03/2021 to 20/3/2021)	Design of Tool Layout for production lathe.	**2**
Week 9 (22/03/2021 to 27/3/2021)	Design process planning sheet with process picture.	**2**

Week 10 (29/03/2021 to 3/04/2021)	Design process planning sheet with process picture.	**2**
Week 11 (05/4/2021 to 10/4/2021)	Design of Cams for Traub Automat.	**2**
Week 12 (12/4/2021 to 17/4/2021)	Design of Cams for Traub Automat.	**2**
Week 13 (19/4/2021 to 24/4/2021)	Estimation of Process time	**2**
Week 14 (26/4/2021 to 30/4/2021)	**Unit Test 2**	
	Term End	