



Mechanical Engineering Department

Academic Year – 2021-22	Class: TE
Semester – I	Date :
CO: CO5	PO: PO1, PO12

Innovative Teaching Methods

Title of Innovation method/activity: Innovative Teaching Learning Method (Case study/Product survey) for Process planning of any component.

1. Name of Faculty: Mrs. V.V. Ahire
2. Subject: Machining Science and Technology
3. Objective of Method:
 - I. To get acquainted with Process Planning Method.
 - II. To get familiar with various Steps in Process Planning

4. Topic Covered through Activity:

Process Planning.

5. Description of method with Benefits:

Forming different group of the students consisting of maximum Six numbers. They should carry out a case study/product survey focused on Process Planning of different manufactured components. Each group will prepare a report and present the same in class based on the topic Selected by them. Grading will be done as per rubrics given to the presentation.

Benefits of method:

- It helps students to compare different Manufacturing Process.
- It teaches students to discuss contents with group and improves communication skills.
- It helps focus attention and engage students in comprehending the reading material.

The method:

Monitor and support students as they work through the following in this method:

- 1) Forming different group of students consisting maximum 6 members in each group.
- 2) Each group is to select with different Components for process planning.
- 3) Each group will prepare a Report and present their topic.
- 4) It will be graded based on rubrics assigned.

Roles and Responsibilities

- **Teacher**
 - Develop the awareness about Process planning method
 - Provide the study material on Process planning method.
 - Remain available during the completion of task.
 - Prepare assessment methodology.
- **Student**
 - Go through all the aspects of manufacturing process and process planning.
 - Once topic is Selected, prepare a report and present the topic.
 - Actively participate in group and contribute by means of discussion.
- **Group**
 - Forming the group of members as per the guidelines.
 - Understand and discuss to finalize the best content for the Selected topic.
 - Assign the work within the group to achieve the task within stipulated time period.

6. Assessment Tools

Content	6	3	0
	Excellent	Good	Not acceptable
	The content are appropriate with no smudges	The content are acceptable with little smudges	The content are not appropriate
Report	6	3	0
	Excellent	Good	Not acceptable
	The Report is very well organized and expressive.	The Report is well organized with little expressive.	The Report does not seem to be acceptable
Presentation	6	3	0
	Excellent	Good	Not acceptable
	The content is very well explained and clarity in speech	The content is well explained with little hesitation	The content delivery is not proper and acceptable
Timeliness	2	0	
	Up to due date	After due date	
	Report Submitted on time	Report submitted after due date	

7. Evaluation sheet of attendee

Roll No.	Name of students (Div. A)	Content	Presentation	Report	Timeliness
1	AHER HARSH DATTATRAY				
2	AHIRRAO GANESH UMESH	3	6	3	2
3	AHIRRAO KOMAL MAHENDRA	6	3	3	2
4	AMBRE KETAN BHAUSAHEB				
5	ATRE MRUNALI SONAJI	3	3	3	2
6	BACHHAV KUNAL DEVIDAS	6	6	3	2
8	BACHHAV SIDDHANT SUNIL	3	6	3	2
9	BAGUL BHARAT RAJU	3	6	3	2
10	BAHIRAM SHUBHAM MOTILAL	3	3	3	2
11	BAVISKAR TEJAS SANTOSH	3	6	6	2
12	BHANDARE RUSHIKESH KAILAS				
13	BHANDARE SURAJ SANTOSH	3	3	3	2
14	BODKE ANIKET PRAKASH	3	3	3	2
15	BODKE SUSHANT RAJENDRA	3	6	3	2
16	BOKIL HARSHAL HEMANT				

17	BORADE SWAPNIL TUKARAM				
18	BORASTE SAMARTH BHAGWAT	3	3	3	2
19	BORGUDE PRATIKSHA ASHOK	6	3	3	2
20	BUDHAWANT VISHAL ASHOK				
21	BUNDELKHANDI NISHANT PRAVIN	3	3	3	2
22	CHAUDHARI BHUSHAN RAJENDRA	6	6	3	2
23	CHAUDHARI UDAY YUVRAJ	3	3	3	2
24	CHAURE MINESH MAHESH				
25	CHAVAN RUSHIKESH MANOJ	3	6	3	2
26	DERLE ANKUSH SANTOSH	3	6	3	2
27	DESHMUKH ATHARVA ABHAY	3	3	3	2
29	DHATRAK JAYESH SANJAY	3	6	3	2
30	DHONDGE GAURAV PUSHPARAO	6	6	3	2
31	DUGAJE ROHIT RAMESH	3	6	3	2
32	GADAKH SAKSHI VISHWAS	3	6	3	2
33	GADAKH VISHWAJEET RAJENDRA	3	6	3	2
34	GAIKWAD ONKAR HEMANT	3	6	3	2
35	GHARATE ROHIT HIRALAL				
36	GHAYAL ANIKET ARUN	6	6	3	2
37	GHOLAP SHUBHAM VIJAY				
38	GHOTEKAR PRATIK VITHOBA	3	3	3	2
39	GIRI AJINKYA DEVIDAS	3	3	3	2
40	GONDE DEVIKA DIPAKRAO	3	6	3	2
41	GUJARATHI ANAND ANIL	3	3	3	2
42	GUNJAL SHIVRAJ GAJENDRA	6	6	3	2
43	HIRE ANANT SUNIL				
44	HIRE PRASAD DIPAK				
45	HOLKAR SHRADDHA SUDHIR	3	6	3	2
46	JADHAV GIRISH PRAVIN	3	3	3	2
47	JADHAV MUKTA MAHENDRA				
48	JADHAV PRATHAMESH DINESH	6	6	3	2
49	JADHAV SHUBHAM PANDIT				
50	JADHAV UMESH SHRIRAM				
51	KADAM AMEY APPASAHEB	6	6	3	2
52	KAMBLE MANAV SATISH	3	3	3	2
53	KAPADNIS NEHA RAJENDRA	3	6	3	2
54	KAPURE YASH DEEPAK	3	3	3	2
55	KARDILE YASH ASHOK	3	3	3	2
56	KELKAR LOKESH DNYANESHWAR				
57	KHAIRE PRANALI KESHAV	6	3	3	2

58	KHAIRNAR AMOL KEVAL				
59	KHAIRNAR ANIKET SANJAY	3	3	3	2
60	KHAIRNAR RUTUJ SANJAY	3	3	3	2
61	KHAIRNAR SUSHAN NARENDRA	6	6	3	2
62	KHAIRNAR YASHODEEP ARUN	3	3	3	2
63	KHODE PRATHMESH SOMNATH	3	3	3	2
64	KHOLE VISHAL RAMNATH	6	6	3	2
65	KIRTIWAR VAIBHAV ASHOK	3	3	3	2
66	KOTHAWADE GAURAV MURLIDHAR	3	3	3	2
67	KOTHAWADE PUSHKAR RAJENDRA	3	3	3	2
68	KOTKAR ABHISHEK SHARAD	3	3	3	2
69	KUSHARE VAIBHAV DNYANESHWAR	6	6	3	2
70	LABHADE YUVRAJ RAMCHANDRA	6	6	3	2
71	LAHANE ANIKET KAILAS	6	6	3	2
72	LAWAND ANIKET SUBHASH	6	6	3	2
73	MAHALE JAY RAJENDRA	6	6	3	2
74	MALI OMKAR MANOJ	3	3	3	2
75	MONDHE PURUSHOTTAM BALU	3	3	3	2
76	PAGARE SHAILESH SAHEBRAO				
77	PANGRE YASHRAJ SUNIL				
78	PATALE ROHIT BHAUSAHEB	3	3	3	2
79	PATIL GAYATRI CHUNILAL	6	3	3	2
80	PATIL ISHAN MILIND				
81	PAWAR RUSHIKESH RAM				
82	SHELAR ADITYA SANJAY	3	6	3	2
83	SHETE KRUSHNA MADHUKAR	3	3	3	2
84	SHILWAN ROHIT KISHOR	3	3	3	2
85	SHINDE MONALI RAMDAS	3	3	6	2
86	SONASKAR SARTHAK SANTOSH				
87	SONAWANE PIYUSH RAJENDRA	3	3	3	2
88	TUPE ANIKET BALASAHEB	6	3	3	2
89	WADKAR NAGESH SHIVAJI	3	3	3	2

8. Impact Analysis

SN	3- High/Excellent	2 - Moderate /Average	1- Slight/Poor
1. Did you understand and cover the objective of the activity?	39	12	
2. Do you find that methodology is helpful to cover the content beyond syllabus?	40	11	
3. Does this helps you for building a good team?	37	14	
4. Does the content covered are relevant and will be helpful as a life-long learning?	41	9	1
5. Can you want to conduct such activity again?	37	13	1

9. Activity Picture



10. For review and critique contact: e-mail address of faculty and HOD
ahire.vaishali@kbtcoe.org, hod.mech@kbtcoe.org

Mrs. V. V. Ahire
Subject In charge

Dr. A. B. Kakade
NBA Coordinator

Mr. P.C. Shete
Module Coordinator

Dr. V. C. Shewale
HOD