

## GANDHI SCHOOL OF ENGINEERING BHABANDHA, BERHAMPUR SESSION PLAN

## 3RD SEMESTER, BRANCH-MECHANICAL(GROUP 1) PRODUCTION TECHNOLOGY(TH-1)

Name of the Faculty –ER. JAGNYA PRASAD BEHERA									
Topics to be taken				Actually Taken					
SL NO & CHAPTER	No. of Periods assigned by SCTE & VT	Details of the topics	PLANNING DATE	Details of the topics	ACTUAL DATE	Remarks			
1. Metal Forming Processes	7	1.1 Extrusion: Definition & Classification 1.2 Explain direct, indirect and impact extrusion process. 1.3 Define rolling. Classify it. 1.4 Differentiate between cold rolling and hot rolling process. 1.5 List the different types of rolling mills used in Rolling process	1/08/2023 TO 11/08/2023	1.1 Extrusion: Definition & Classification 1.2 Explain direct, indirect and impact extrusion process. 1.3 Define rolling. Classify it. 1.4 Differentiate between cold rolling and hot rolling process. 1.5 List the different types of rolling mills used in Rolling process	1/08/2023 3/08/2023 4/08/2023 7/08/2023 8/08/2023 10/08/2023 11/08/2023				

2. Welding 16	2.1 Define welding and classify various welding processes 2.2 Explain fluxes used in welding 2.3 Explain Oxy-acetylene welding process 2.4 Explain various types of flames used in Oxy-acetylene welding process 2.5 Explain Arc welding process 2.6 Specify arc welding electrodes 2.7 Define resistance welding and classify it 2.8 Describe various resistance welding processes such as butt welding, spot welding, flash welding, projection welding and seam welding 2.9 Explain TIG and MIG welding process 2.10 State different welding defects with causes and remedies.	то	2.1 Define welding and classify various welding processes 2.2 Explain fluxes used in welding 2.3 Explain Oxy-acetylene welding process 2.4 Explain various types of flames used in Oxy-acetylene welding process 2.5 Explain Arc welding process 2.6 Specify arc welding electrodes 2.7 Define resistance welding and classify it 2.8 Describe various resistance welding processes such as butt welding, spot welding, flash welding, projection welding and seam welding 2.9 Explain TIG and MIG welding process 2.10 State different welding defects with causes and remedies.	14/08/2023 17/08/2023 18/08/2023 21/08/2023 22/08/2023 22/08/2023 25/08/2023 25/08/2023 29/08/2023 1/09/2023 4/09/2023 7/09/2023 8/09/2023 11/09/2023 12/09/2023	
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4. Powder metallurgy	7	4.1 Define powder metallurgy process. 4.2 State advantages of powder metallurgy technology technique 4.3 Describe the methods of producing components by powder metallurgy technique. 4.4 Explain sintering. 4.5 Economics of powder metallurgy.	17/10/2023 TO 7/11/2023	4.1 Define powder metallurgy process. 4.2 State advantages of powder metallurgy technology technique 4.3 Describe the methods of producing components by powder metallurgy technique. 4.4 Explain sintering. 4.5 Economics of powder metallurgy.	17/10/2023 19/10/2023 31/10/2023 2/11/2023 3/11/2023 6/11/2023 7/11/2023	
5. Press Work	7	5.1 Describe Press Works: blanking, piercing and trimming. 5.2 List various types of die and punch 5.3 Explain simple, Compound & Progressive dies 5.4 Describe the various advantages & disadvantages of above dies.	9/11/2023 TO 23/11/2023	5.1 Describe Press Works: blanking, piercing and trimming. 5.2 List various types of die and punch 5.3 Explain simple, Compound & Progressive dies 5.4 Describe the various advantages & disadvantages of above dies.	9/11/2023 10/11/2023 16/11/2023 17/11/2023 20/11/2023 21/11/2023 23/11/2023	

6. Jigs and fixtures	7	6.1 Define jigs and fixtures 6.2 State advantages of using jigs and fixtures 6.3 State the principle of locations 6.4 Describe the methods of location with respect to 3-2-1 point location of rectangular jig 6.5 List various types of jig and fixtures.		6.1 Define jigs and fixtures 6.2 State advantages of using jigs and fixtures 6.3 State the principle of locations 6.4 Describe the methods of location with respect to 3-2-1 point location of rectangular jig 6.5 List various types of jig and fixtures.	24/11/2023 28/11/2023 30/11/2023 1/12/2023 4/12/2023 7/12/2023 8/12/2023	
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JARRELIA

H.O.D Mochanical Engineering Sendhi School of Engg

HOD, MECHANICAL



## GANDHI SCHOOL OF ENGINEERING BHABANDHA, BERHAMPUR SESSION PLAN

## 3RD SEMESTER, BRANCH-MECHANICAL(GROUP 2) PRODUCTION TECHNOLOGY(TH-1)

Name of the Faculty –PROF. SOMANATH BHUTIA  Topics to be taken			Actually Taken			
SL NO & CHAPTER	No. of Periods assigned by SCTE & VT	Details of the topics	PLANNING DATE	Details of the topics	ACTUAL DATE	Remarks
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