

GANDHI SCHOOL OF ENGINEERING BHABANDHA, BERHAMPUR SESSION PLAN

3RD SEMESTER, BRANCH-MECHANICAL(GROUP 1)

PRODUCTION TECHNOLOGY(TH-1)

Name of the Faculty –ER. ASISH KUMAR BEHERA

	uity Litt	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 	16/09/2022 TO 28/09/2022	 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 	16/09/2022 20/09/2022 21/09/2022 23/09/2022 24/09/2022 27/09/2022 28/09/2022	

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. 	30/09/2022 TO 5/11/2022	 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 processs 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. 	30/09/2022 11/10/2022 12/10/2022 14/10/2022 15/10/2022 15/10/2022 21/10/2022 26/10/2022 28/10/2022 28/10/2022 29/10/2022 29/10/2022 29/10/2022 2/11/2022 2/11/2022 5/11/2022	
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 3.1 Define Casting and Classify various Casting processes. 3.2 Explain the procedure of Samould casting. 3.3 Explain different types of m sands with their composition a properties. 3.4 Classify different pattern ar state various pattern allowance 3.5 Classify core. 3.6 Describe construction and working of cupola and crucible furnace. 3.7 Explain die casting method. 3.8 Explain centrifugal casting strue centrifugal casting, centrif with advantages, limitation and of application. 3.9 Explain various casting defewith their causes and remedies 	and holding nd es. 9/11/2022 TO 7/12/2022	 3.1 Define Casting and Classify the various Casting processes. 3.2 Explain the procedure of Sand mould casting. 3.3 Explain different types of molding sands with their composition and properties. 3.4 Classify different pattern and state various pattern allowances. 3.5 Classify core. 3.6 Describe construction and working of cupola and crucible furnace. 3.7 Explain die casting method. 3.8 Explain centrifugal casting such as true centrifugal casting, centrifuging with advantages, limitation and area of application. 3.9 Explain various casting defects with their causes and remedies. 	9/11/2022 11/11/2022 12/11/2022 15/11/2022 19/11/2022 22/11/2022 23/11/2022 25/11/2022 26/11/2022 29/11/2022 30/11/2022 30/11/2022 3/12/2022 6/12/2022
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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. 	9/12/2022 TO 20/12/2022	 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. 	9/12/2022 10/12/2022 13/12/2022 14/12/2022 16/12/2022 17/12/2022 20/12/2022	
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. 	21/12/2022 TO 31/12/2022	 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. 	21/12/2022 23/12/2022 24/12/2022 27/12/2022 28/12/2022 30/12/2022 31/12/2022	

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. 	3/01/2023 TO 21/01/2023	 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. REVISION- 	3/01/2023 4/01/2023 6/01/2023 10/01/2023 10/01/2023 13/01/2023 14/01/2023 20/01/2023 21/01/2023	
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Nochanical Engineering Gendhi School of Engg.

HOD, MECHANICAL

Asish Kumar Behosta **CLASS COVERED BY**



GANDHI SCHOOL OF ENGINEERING BHABANDHA, BERHAMPUR SESSION PLAN

3RD SEMESTER, BRANCH-MECHANICAL(GROUP 2)

PRODUCTION TECHNOLOGY(TH-1)

Name of the Faculty –ER. ASISH KUMAR BEHERA

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