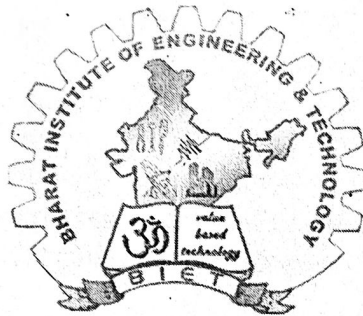


# BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY

**SIVARAM VIHAR, GHATAKESWAR HILLS  
MOHADA, BERHAMPUR (GM.)**



## STUDENT'S ATTENDANCE REGISTER

Time \ Day	11:35 - 12:25	12:25 - 1:15		2:45 - 3:35	
Mon	← →				
Tue					
Wed				← →	
Thu				← →	
Fri					
Sat					

Year/ Session : 2023 (winter)	Semester from Date: 01/08/2023 To Date : 30/11/2023
Semester & Branch	3 <sup>rd</sup> semester, Mechanical.
Subject with Code	TH-1 - Production Technology.
Name of the Faculty Member	Er. M. Poshan Kumar Patro.
No of Weeks;	No of Days per Week Class Allotted : 04

# B.I.E.T., COURSE PLAN

Month	Week	Class Day	Theory/Practical Topic
Aug	1 <sup>st</sup>	21/8/23	Ch-1:- Metal forming process
		21/8/23	1.1 - Extrusion :- Def <sup>n</sup> & Classification.
	2 <sup>nd</sup>	3/8/23	1.2 - Explain direct, indirect & impact
		7/8/23	Extrusion process.
	3 <sup>rd</sup>	7/8/23	1.3 - Define rolling. Classify it.
		9/8/23	1.4 - Differentiate bet <sup>n</sup> cold rolling
	4 <sup>th</sup>	10/8/23	& hot rolling process.
		14/8/23	1.5 - List the different types of rolling mills used in Rolling process.
	5 <sup>th</sup>		Ch-2 :- welding.
		16/8/23	2.1 - Define welding & classify various welding process.
	6 <sup>th</sup>	17/8/23	2.2 - Explain fluxes used in welding.
		21/8/23	2.3 - Explain oxy-acetylene welding.
	7 <sup>th</sup>	21/8/23	2.4 - Explain various types of flames used in oxy-acetylene welding.
		23/8/23	
	8 <sup>th</sup>	24/8/23	2.5 - Explain arc welding process.
		28/8/23	2.6 - specify arc welding electrodes.
		28/8/23	

nature of the Faculty:

*[Signature]*

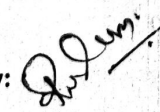
Signature of the Principal/Course Co-ordinator/HOD:

*[Signature]*  
10/10/23

Monday - 2 classes.

# B.I.E.T., COURSE PLAN

Month	Week	Class Day	Theory/Practical Topic	
<u>Sept</u>	<u>2nd</u>	31/8/23	2.7 - Define resistance welding & classify it.	
		4/9/23	2.8 - Describe various resistance welding processes such as Butt welding, spot welding, flash welding, projection welding & seam welding.	
		4/9/23		
	7/9/23			
	<u>3rd</u>	11/9/23	11/9/23	2.9 - Explain TIG & MIG welding process.
		11/9/23		
		13/9/23	2.10 - State different welding defects with causes & remedies.	
	<u>Ch-3 - Casting</u>			
	<u>4th</u>		14/9/23	3.1 - Define casting & classify the various casting processes.
			18/9/23	3.2 - Explain the procedure of sand mould casting.
			18/9/23	
			21/9/23	3.3 - Explain different types of molding sands with their composition & properties.

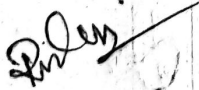
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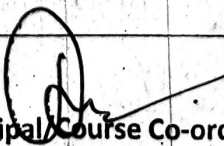
Signature of the Principal/Course Co-ordinator/HOD: 

AP

# B.I.E.T., COURSE PLAN

onth	Week	Class Day	Theory/Practical Topic	
<u>OCT</u>	<u>5th</u>	25/9/23	3.4 - Classify different pattern & state various pattern allowances.	
		25/9/23		
		27/9/23	3.5 - classify core.	
	<u>1st</u>	28/9/23	28/9/23	3.6 - Describe construction & working of cupola & crucible furnace.
			4/10/23	
			5/10/23	
			5/10/23	
	<u>2nd</u>	9/10/23	9/10/23	3.7 - Explain die casting method, 3.8 - Explain centrifugal casting such as true centrifugal casting, centrifuging with advantages, limitation and area of application.
			9/10/23	
			11/10/23	
	<u>3rd</u>	12/10/23	12/10/23	3.9 - Explain various casting defects with their causes & remedies.  <u>Ch-04 - powder Metallurgy</u>
			16/10/23	
16/10/23				
		18/10/23	4.1 - Define powder metallurgy process. 4.2 - state advantages of powder metallurgy technology technique.	

nature of the Faculty: 

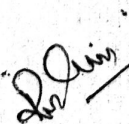
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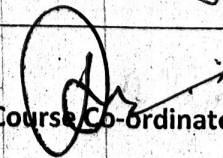
AP

Monday - 2 classes

# B.I.E.T., COURSE PLAN

Month	Week	Class Day	Theory/Practical Topic	
<u>NOV</u>		19/10/23	4.3 - Describe the methods of producing components by powder metallurgy technique.	
		30/10/23		
		<u>5<sup>th</sup></u>	30/10/23	4.4 - Explain sintering.
	<u>1<sup>st</sup></u>	01/11/23	4.5 - Economics of powder metallurgy	
		2/11/23		
		<u>2<sup>nd</sup></u>	<u>Ch-05 - Press work</u>	
	<u>3<sup>rd</sup></u>		6/11/23	5.1 - Blanking, Piercing & trimming
			6/11/23	
		<u>4<sup>th</sup></u>	8/11/23	5.2 - List various types of die & punch.
			9/11/23	5.3 - Explain simple, compound & progressive die.
		13/11/23		
		<u>5<sup>th</sup></u>		13/11/23
15/11/23				
<u>Ch-06 - Jigs &amp; fixture</u>				
<u>6<sup>th</sup></u>		16/11/23	6.1 - Define Jig & Fixture.	
		20/11/23	6.2 - Advantages of using Jig & Fixture.	

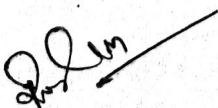
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# B.I.E.T., COURSE PLAN

Month	Week	Class Day	Theory/Practical Topic
		20/11/23	6.3 - State the principle of location.
		22/11/23	6.4 - Describe the methods of location with 3-2-1 point location of rectangular jig.
		23/11/23	
		29/11/23	6.5 - List various types of jigs & fixtures.
		30/11/23	

Nature of the Faculty:



Signature of the Principal/Course Co-ordinator/HOD:

