

# BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY

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



## STUDENT'S ATTENDANCE REGISTER

Time	9.05	10.45	11.30		
Day	9.55	11.30	12.25		
Tues		✓			
Wednes	✓				
Thurs			✓		
Sat			✓		

Year/ Session	
Semester & Branch	6 <sup>th</sup> Sem, Civil department
Subject with Code	Th-02 Construction Management
Name of the Faculty Member	Monalisa Parola

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

Month	Week	Class Day	Theory/Practical Topic
February			1) <u>Introduction to construction Management</u> :-
		14.02.2023	i) Aims and objectives of construction Management .
		15.02.2023	ii) Functions of construction management
		17.02.2023	iii) The construction team components owner, Engineer, architect, contractor, their functions and interrelationship and jurisdiction .
February		21.02.2023	iv) Resources for construction Management - men, machines, Materials, Money .
		22.02.2023	2) <u>Constructional planning</u> i) importance of construction planning.
February		23.02.2023	ii) Developing work breakdown structure for construction work .
		24.02.2023	iii) Construction planning stages pre-tender stage, Post-tender stage .
		25.02.2023	iv) Construction scheduling by bar charts preparation of bar charts for simple construction works .
		28.02.2023	v) Preparation of schedules for labor Materials, Machinery, Finance for

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Signature of the Principal/Course Co-ordinator/HOD: [Signature] 11.2.23



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Month	Week	Class Day	Theory/Practical Topic
MARCH	1 <sup>st</sup>	1.03.2023	Small work.
		3.03.2023	vi) limitation of bar chart. vii) Construction, scheduling by network techniques - definition of term, PERT & CPM, advantages & disadvantages of 2 techniques. → Network analysis, estimation of time & critical path, application of PERT & CPM techniques in sample construction works.
March	2 <sup>nd</sup>	4.03.2023	3. <u>Material and Stores Management</u> i) Classification of stores. Storage of stock.
		10.03.2023	
	3 <sup>rd</sup>	10.03.2023	ii) <u>Assess of Materials</u> indent, invoice, bin card
		14.03.2023	

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

Month	Week	Class Day	Theory/Practical Topic
March	4TH	15.03.2023	4. <u>Construction Site Management</u>
		17.03.2023	i) Job layout objectives, review Plans, specifications, layout of equipments.
		18.03.2023	ii) location of equipment, organizing labour at site.
		21.03.2023	iii) Job layout for different construction site.
		22.03.2023	iv) Principle of storing material at site.
March			5. <u>Construction Organization</u>
March		22.03.2023	i) Introduction. characteristics, structure, importance.
		23.03.2023	ii) Organization type - line & staff, functions & their characteristics.
		24.03.2023	iii) Principles of organization - meaning & significance of terms - control, authority, responsibility, Job & task.

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

Month	Week	Class Day	Theory/Practical Topic
March	5 <sup>TH</sup>	25.03.2023	10) Leadership - necessity, style of leadership, role of leader.
		28.03.2023	11) Human relations - relation with subordinates, peers, Supervisors, characteristics of group behaviour, Mob
		29.03.2023	Psychology; handling of grievances, labour welfare.
			6. Construction labour & labour Management
		29.03.2023	12) Preparing labour schedule
APRIL	1 <sup>ST</sup>	31.03.2023	13) Essential steps for optimum labour output.
		4.04.2023	14) Labour characteristics
		5.04.2023	15) Wages & their payment
	2 <sup>ND</sup>	8.04.2023	16) Labour incentives
		11.04.2023	17) Motivation - classification of motives, different

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Month	Week	Class Day	Theory/Practical Topic
April		12-04-2023	<p>approaches to Motivation.</p> <p>1. <u>Equipment Management</u></p> <p>i) preparing the equipment schedule.</p>
		13-04-2023	ii) identification of different alternative equipment.
April	2nd	14-04-2023	iii) Importance of owning & operating costs in making decision.
		15-04-2023	iv) hiring & purchase of equipment.
		18-04-2023	v) inspection & testing of equipment.
April	3rd	19-04-2023	vi) Equipment maintenance.
		20-04-2023	7. <u>Quality Control</u>
		21-04-2023	ei) concept of quality in construction.
		25-04-2023	ii) Quality standards during construction.
		26-04-2023	after construction, destructive & non destructive methods.
		27-04-2023	

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Month	Week	Class Day	Theory/Practical Topic	
MAY	1 <sup>ST</sup>	28.04.2023	9) <u>Monitoring Progress</u>	
		29.04.2023	10) Program & progress of work.	
		2.05.2023	11) Work study	
		3.05.2023	12) Analysis & control of physical & financial	
		4.05.2023	Progress corrective measures.	
		6.05.2023	10) <u>Safety Measurement in Construction</u>	
	2 <sup>ND</sup>	9.05.2023	11) Importance of safety	
		10.05.2023	12) Causes and effects of accidents in construction works.	
		11.05.2023	13) Safety Measures in work sites for excavation, scaffolding, formwork, fabrication, demolition.	
		12.05.2023	14) Development of safety consciousness.	

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

Month	Week	Class Day	Theory/Practical Topic
May	3 <sup>rd</sup>	13.05.2023	v) Safety legislation - Workman's Compensation act, contract labour act.
		14.05.2023	ii) Role of vulnerability Atlas of India in construction project.
		16.05.2023	ii) Introduction to vulnerability atlas of India, Concepts of natural hazards & disasters & vulnerability profile of India.
		17.05.2023	iii) Earthquake hazard & vulnerability, magnitude, & intensity scales of earthquake, seismic zones, earthquake hazard maps, types of structure & damage classification, effects on housing & resistant measures.
		19.05.2023	iv) Wind / cyclone hazard & vulnerability, wind speed & pressures, wind hazard &

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Month	Week	Class Day	Theory/Practical Topic
May			Cyclone occurrence maps, Storm surveys & cyclone resistant measures.
		20-05-2023	vi) Flood hazards & vulnerability, Flood hazard & flood prone areas of the country; General protection of habitants & flood resistant construction.
		23-05-2023	vii) Landslides, Tsunamis & thunderstorm hazards & vulnerability, landslide & thunderstorm incidence maps, measures against tsunami hazards. viii) Housing vulnerability risk tables & usage of vulnerability atlas of India inclusion of vulnerability atlas in tender documents.

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