

Lesson Plan

2026(5)

Subject :- Construction management

Name of faculty:- -Rajashree saho

Semester : 4th

Class allotted- 45


Branch :- Civil engg.

| Discipline | Semester:- | From date:-22/12/2025 To date:18/04/2026 | Teaching Aid |
|------------|-------------------------------|--|--------------|
| Subject: | No. of days/ per week 3p/w | Theory/ Practical –Topics/Lesson | |
| Week | Date/Period | | |

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| 1 | 22/12/2025 to 27/12/2025 | 1.Construction industry and management •Organization-objectives, principles of organization, types of organization: government/public and private construction industry, Role of various personnel in construction organization | White board, marker |
| 2 | 29/12/2025 to 03/01/2026 | • Agencies associated with construction work-owner, promoter, builder, designer, architects. Role of consultant for various activities: Preparation of Detailed Project Report (DPR), monitoring of progress and quality, settlement of disputes. | White board, marker |
| 3 | 05/01/2026 to 10/01/2026 | 2.Site Layout • Principles governing site layout • Factors affecting site layout. | White board, marker |
| 4 | 12/01/2026 to 17/01/2026 | • Preparation of site layout. • Land acquisition procedures and providing compensation. | White board, marker |
| 5 | 19/01/2026 To 24/01/2026 | 3.Planning and scheduling • Identifying broad activities in construction work & allotting time to it, Methods of Scheduling, Development of bar charts, Merits & limitations of bar chart. | White board, marker |
| 6 | 26/01/2026 To 31/01/2026 | • Elements of Network: Event, activity, dummy activities, Precautions in drawing Network, Numbering the events. | White board, marker |
| 7 | 02/02/2026 To 07/02/2026 | • CPM networks, activity time estimate, Event Times by forward & backward pass calculation, start and finish time of activity, project duration. Floats: Types of Floats Free, independent and total floats, critical activities and critical path, | White board, marker |
| 8 | 09/02/2026 To 14/02/2026 | • Purpose of crashing a network, Normal Time and Cost, Crash Time and Cost, Cost slope, Optimization of cost and duration. | White board, marker |
| 9 | 16/02/2026 To 21/02/2026 | • Material Management- Ordering cost, inventory carrying cost, Economic Order Quantity | White board, marker |
| 10 | 23/02/2026 To 28/02/2026 | • Store management, various records related to store management, | White board, marker |
| 11 | 02/03/2026 To 07/03/2026 | inventory control by ABC technique, Introduction to material procurement through portals (e.g. www.inampro.nic.in). | White board, marker |

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| | 09/03/2026 To 14/03/2026 | 4. Construction Contracts and Specifications • Types of Construction contracts | White board, marker |
| | 16/03/2026 To 21/03/2026 | • Contract documents, specifications, general special conditions | White board, marker |
| 14 | 23/03/2026 To 28/03/2026 | • Contract Management, procedures involved in arbitration and settlement (Introduction only) | White board, marker |
| 15 | 30/03/2026 ,to 04/04/2026 | 5. Safety in Construction • Safety in Construction Industry—Causes of Accidents, Remedial and Preventive Measures. | White board, marker |
| 16 | 06/04/2026 to 11/04/2026 | • Labour Laws and Acts pertaining to Civil construction activities (Introduction only) | White board, marker |
| 17 | 13/04/2026 To 18/04/2026 | • Labour Laws and Acts pertaining to Civil construction activities (Introduction only) | White board, marker |


Signature of HOD


Signature of faculty