

**DEPARTMENT OF CIVIL ENGINEERING  
SIRDA POLYTECHNIC SUNDERNAGAR  
DISTT.- MANDI (H.P.) - 175019**

**LESSON PLAN**

Program Name	Civil Engineering
Subject Name	Design of Steel Structures
Subject Code	CEPC304(Th)
Semester	6th
Subject Teacher Name	Er. Shivani

**Evaluation Scheme**

S. No.	Subject Name	Study Scheme (Hrs/week)		Marks Distribution in Evaluation Scheme					
				Internal Assessment			External Assessment		
		Th	Pr	Th	Pr	Total	Th	Pr	Total
1	Design of Steel Structures	4	0	40	0	40	60	0	100
	Design of Steel Structures Lab	0	2	0	40	40	0	60	100
<b>Reference Books</b>		(1) Duggal, S. K., Limit State Design of Steel Structures, McGraw - Hill Publications, (2) Subramanian N., Design of Steel Structures, Oxford University Press							

**Teaching Plan**

	Name of Topic	Proposed Date	Actual Date	Remarks
<b>Unit-I Structural Steel and Sections</b>	Terminology	27.01.2026		
	Terminology	28.01.2026		
	Properties of structural steel as per IS code	29.01.2026		
	Properties of structural steel as per IS code	31.01.2026		
	grades of steel	03.02.2026		
	Designation of structural steel sections as per IS handbook and IS: 800	04.02.2026		
	Designation of structural steel sections as per IS handbook and IS: 800	05.02.2026		
	Classification of sections in Limit State Method.	07.02.2026		
	Classification of sections in Limit State Method.	10.02.2026		

ted  
s (LSM)

	Types of Bolts (Theory only)	11.02.2026		
	Types of Bolts (Theory only)	17.02.2026		
	Forces in Bolts Types of Bolts (Theory only) Forces in Bolts	18.02.2026		
	Types of Bolted joints with Sketches (Butt Joint and Lap Joint)	19.02.2026		
	Types of Bolted joints with Sketches (Butt Joint and Lap Joint)	21.02.2026		
	Terminology & IS 800 Provisions for Gauge, Pitch, End & Edge Distance	24.02.2026		
	Patterns of Bolting (Chain, Diamond, Staggered)	25.02.2026		
	Gross and net cross-sectional area of bolted members	26.02.2026		
	Design of bolted connections & Efficiency of a joint	28.02.2026		
	Design of bolted connections & Efficiency of a joint	03.03.2026		
	(Numerical problems on Ordinary Bolts only)	05.03.2026		
	(Numerical problems on Ordinary Bolts only)	07.03.2026		
	(Numerical problems on Ordinary Bolts only)	10.03.2026		
	<b>CLASS TEST-1</b>	<b>11.03.2026</b>		
<b>Unit III Welded Connections (LSM)</b>	Introduction, advantages, and disadvantages of welded joint, defects in welds	12.03.2026		
	Types of welds and their symbols	17-03-26		
	Terminology & IS 800 provisions for Size, Throat Thickness, End Returns etc. Longitudinal, Transverse & Intermittent welds	18-03-26		
	Terminology & IS 800 provisions for Size, Throat Thickness, End Returns etc. Longitudinal, Transverse & Intermittent welds	19-03-26		
	Terminology & IS 800 provisions for Size, Throat Thickness, End Returns etc. Longitudinal, Transverse & Intermittent welds	24-03-26		
	Design of fillet weld (Plate section, Single & Double Angle Section) and butt weld subjected to axial load (Descriptive No numerical on plug and slot welds)	25-03-26		
<b>Unit IV Tension Members (LSM)</b>	Introduction to tension members, Types of section used in axial tension.	26-03-26		
	Gross and net cross-sectional area of tension members (Numerical problems on Plate & Angles Sections only)	27-03-26		
	Gross and net cross-sectional area of tension members (Numerical problems on Plate & Angles Sections only)	28-03-26		
	Gross and net cross-sectional area of tension members (Numerical problems on Plate & Angles Sections only)	29-03-26		



**Unit-V Compression Members(LSM)**

Analysis & Design of tension member with welded and bolted connections (Plate 40)	30-03-26		
SAME	31-03-26		
Single & Double Angle Sections only) Introduction to Lug Angle and Tension splice (Theory only)	01-04-26		
SAME	02-04-26		
SAME	03-04-26		
SAME	04-04-26		
Types of sections used, Effective length, Radius of	05-04-26		
SAME	06-04-26		
slenderness ratio and its limit, Buckling Class, Effective length	07-04-26		
slenderness ratio and its limit, Buckling Class, Effective length	08-04-26		
Analysis and Design of axially loaded welded and bolted connections using tables and	09-04-26		
Analysis and Design of axially loaded welded and bolted connections using tables and	10-04-26		
Analysis and Design of axially loaded welded and bolted connections using tables and	11-04-26		
Equations of IS 800 (I-Section,	12-04-26		
Equations of IS 800 (I-Section,	13-04-26		
Double Angle Section and Single angle section)	14-04-26		
Double Angle Section and Single angle section)	15-04-26		
Double Angle Section and Single angle section)	16-04-26		

**Unit-VI Beams(LSM)**

<b>CLASS TEST-2</b>			
Introduction, Different steel sections used, Simple and built-up sections,	18-04-26		
Introduction, Different steel sections used, Simple and built-up sections,	21-04-26		
Plastic Hinge, Plastic section Modulus	22-04-26		
Class of Section	23-04-26		
Design of simple I section -Check for shear only (Low Shear & High Shear).	25-04-26		
Design of simple I section -Check for shear only (Low Shear & High Shear).	28-04-26		
Design of simple I section -Check for shear only (Low Shear & High Shear).	29-04-26		
Design of simple I section -Check for shear only (Low Shear & High Shear).	30-04-26		
Revision	02-05-26		
Revision	05-05-26		
Revision	06-05-26		
Revision	07-05-26		
Revision	08-05-26		
Revision	09-05-26		
Revision	10-05-26		
Revision	11-05-26		
Revision	12-05-26		

**Assignments**

Assignment No.	Contents of syllabus covered	Proposed Date	Actual Date	Remarks
A-1	Unit-I, Unit-II	02-03-26		
A-2	Unit-III, Unit-IV, Unit-V	10-04-26		

**Class Test / House Test**

Name of Test	Syllabus of Tests	Proposed Date	Actual Date	Remarks
Class Test - I	Unit-I, Unit-II, some topics of Unit-III	As per HPTSB Academic Calender		
Class Test - II	some topics of Unit-III, Unit-IV, Unit-V			
House Test	Unit-I to Unit-VI			

*[Handwritten Signature]*

(Signature of Teacher)

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(Signature of HOD)



**DEPARTMENT OF CIVIL ENGINEERING  
SIRDA POLYTECHNIC SUNDERNAGAR  
DISTT.- MANDI (H.P.) - 175019**

**LESSON PLAN**

Program Name	Civil Engineering
Subject Name	Public Health Engineering
Subject Code	CEPC302 & CEPC306
Semester	6TH
Subject Teacher Name	Er. Ritika Gil

**Evaluation Scheme**

S. No.	Subject Name	Study Scheme (Hrs/week)		Marks Distribution in Evaluation Scheme					
				Internal Assessment			External Assessment		
		Th	Pr	Th	Pr	Total	Th	Pr	Total
1	Public Health Engineering	3	0	40	0	40	60	0	100
	Public Health Engineering lab	0	2	0	40	40	0	60	100
<b>Reference Books</b>		(1) Sharma S.C, Environmental Engineering, Khanna Publishing House, New Delhi							
		(2) Rao, C.S., Environmental Pollution Control Engineering, New Age International							

**Teaching Plan**

	Name of Topic	Proposed Date	Actual Date	Remarks
<b>Unit-I Sources, Demand and Quality of water</b>	Water supply schemes - Objectives, components.	30.01.2026		
	Sources of water: Surface and Subsurface sources of water. Intake Structures, Definition and types, Factors governing the location of an intake structure, Types of intakes.	31.01.2026		
	Sources of water: Surface and Subsurface sources of water, Intake Structures, Definition and types, Factors governing the location of an intake structure, Types of intakes.	02.02.2026		
	Demand of water: Factors affecting rate of demand, Variations of water demands, forecasting of population, Methods of forecasting of population, (Simple problems on forecasting of population), Design period, estimating	06.02.2026		
	Demand of water: Factors affecting rate of demand, Variations of water demands, forecasting of population, Methods of forecasting of population, (Simple problems on forecasting of population), Design period, estimating	07.02.2026		
	Demand of water: Factors affecting rate of demand, Variations of water demands, forecasting of population, Methods of forecasting of population, (Simple problems on forecasting of population), Design period, estimating	09.02.2026		
	Quality of water: Need for analysis of water, Characteristics of water- Physical, Chemical and Biological tests.	13.02.2026		
	Quality of water: Need for analysis of water, Characteristics of water- Physical, Chemical and Biological tests.	16.02.2026		
<b>Unit-II Purification of water</b>	Purification of Water: Objectives of water treatment, Aeration- objects and methods of aeration, Plain sedimentation, Sedimentation with coagulation, principles of coagulation, types of coagulants, Jar Test, process of	20.02.2026		
	Purification of Water: Objectives of water treatment, Aeration- objects and methods of aeration, Plain sedimentation, Sedimentation with coagulation, principles of coagulation, types of coagulants, Jar Test, process of	21.02.2026		
	Purification of Water: Objectives of water treatment, Aeration- objects and methods of aeration, Plain sedimentation, Sedimentation with coagulation, principles of coagulation, types of coagulants, Jar Test, process of	23.02.2026		
	Purification of Water: Objectives of water treatment, Aeration- objects and methods of aeration, Plain sedimentation, Sedimentation with coagulation, principles of coagulation, types of coagulants, Jar Test, process of	27.02.2026		
	Filtration - mechanization of filtration, classification of filters: slow sand filter, rapid sand filter, pressure filter. Construction and working of slow sand filter and rapid sand filter, operational problems in filtration.	28.02.2026		
	Filtration - mechanization of filtration, classification of filters: slow sand filter, rapid sand filter, pressure filter. Construction and working of slow sand filter and rapid sand filter, operational problems in filtration.	02.03.2026		
	Filtration - mechanization of filtration, classification of filters: slow sand filter, rapid sand filter, pressure filter. Construction and working of slow sand filter and rapid sand filter, operational problems in filtration.	06.03.2026		
	Filtration - mechanization of filtration, classification of filters: slow sand filter, rapid sand filter, pressure filter. Construction and working of slow sand filter and rapid sand filter, operational problems in filtration.	07.03.2026		
	Filtration - mechanization of filtration, classification of filters: slow sand filter, rapid sand filter, pressure filter. Construction and working of slow sand filter and rapid sand filter, operational problems in filtration.			

Unit-III Conveyance and Distribution of water	Conveyance Types of Pipes used for conveyance of water, choice of pipe material. Types of joints & Types of valves- their use, location and function on a pipeline	09.03.2026		
	<b>Class Test - I</b>	<b>13.03.2026</b>		
	Conveyance Types of Pipes used for conveyance of water, choice of pipe material. Types of joints & Types of valves- their use, location and function on a pipeline	16.03.2026		
	Conveyance Types of Pipes used for conveyance of water, choice of pipe material. Types of joints & Types of valves- their use, location and function on a pipeline	20.03.2026		
	Distribution of water: Methods of distribution of water- Gravity, pumping, and combined system. Service reservoirs - functions and types. Layouts of distribution of Water-Dead end system, grid iron system, circular system, radial system, their suitability, advantages, and disadvantages	23.03.2026		
	Distribution of water: Methods of distribution of water- Gravity, pumping, and combined system. Service reservoirs - functions and types. Layouts of distribution of Water-Dead end system, grid iron system, circular system, radial system, their suitability, advantages, and disadvantages	27.03.2026		
	Distribution of water: Methods of distribution of water- Gravity, pumping, and combined system. Service reservoirs - functions and types. Layouts of distribution of Water-Dead end system, grid iron system, circular system, radial system, their suitability, advantages, and disadvantages	28.03.2026		
	Distribution of water: Methods of distribution of water- Gravity, pumping, and combined system. Service reservoirs - functions and types. Layouts of distribution of Water-Dead end system, grid iron system, circular system, radial system, their suitability, advantages, and disadvantages	30.03.2026		
Unit-IV Domestic sewage and System of Sewerages	Building Sanitation: Necessity of sanitation, Necessity to treat domestic sewage. Definitions - Sewage, Sullage, types of sewage. Definition of the terms related to Building Sanitation- Water pipe, Rainwater pipe, Soil pipe, Sullage pipe, Vent pipe.	04.04.2026		
	Building Sanitation: Necessity of sanitation, Necessity to treat domestic sewage. Definitions - Sewage, Sullage, types of sewage. Definition of the terms related to Building Sanitation- Water pipe, Rainwater pipe, Soil pipe, Sullage pipe, Vent pipe.	06.04.2026		
	Building Sanitation: Necessity of sanitation, Necessity to treat domestic sewage. Definitions - Sewage, Sullage, types of sewage. Definition of the terms related to Building Sanitation- Water pipe, Rainwater pipe, Soil pipe, Sullage pipe, Vent pipe.	10.04.2026		
	Building Sanitation: Necessity of sanitation, Necessity to treat domestic sewage. Definitions - Sewage, Sullage, types of sewage. Definition of the terms related to Building Sanitation- Water pipe, Rainwater pipe, Soil pipe, Sullage pipe, Vent pipe.	13.04.2026		
	<b>Class Test - II</b>	<b>17.04.2026</b>		
	Systems of Sewerage and Sewer Appurtenances: Types of Sewers, Systems of sewerage, self- cleansing velocity and non-scouring velocity, Laying, Testing and maintenance of sewers, Manholes and Drop Manhole-component parts, location, spacing, construction details, Sewer Inlets, Street Inlets.	18.04.2026		
	Systems of Sewerage and Sewer Appurtenances: Types of Sewers, Systems of sewerage, self- cleansing velocity and non-scouring velocity, Laying, Testing and maintenance of sewers, Manholes and Drop Manhole-component parts, location, spacing, construction details, Sewer Inlets, Street Inlets.	20.04.2026		
	Systems of Sewerage and Sewer Appurtenances: Types of Sewers, Systems of sewerage, self- cleansing velocity and non-scouring velocity, Laying, Testing and maintenance of sewers, Manholes and Drop Manhole-component parts, location, spacing, construction details, Sewer Inlets, Street Inlets.	24.04.2026		
	Systems of Sewerage and Sewer Appurtenances: Types of Sewers, Systems of sewerage, self- cleansing velocity and non-scouring velocity, Laying, Testing and maintenance of sewers, Manholes and Drop Manhole-component parts, location, spacing, construction details, Sewer Inlets, Street Inlets.	25.04.2026		

Unit-V Architecture and Settlement of Sewage	Analysis of sewage Characteristics of sewage BOD, COD and its significance Control Pollution Control Board Norms for discharge of treated sewage Objects of sewage treatment and flow diagram of conventional sewage treatment plant	21.04.2026		
	Analysis of sewage Characteristics of sewage BOD, COD and its significance Control Pollution Control Board Norms for discharge of treated sewage Objects of sewage treatment and flow diagram of conventional sewage treatment plant	02.05.2026		
	Analysis of sewage Characteristics of sewage BOD, COD and its significance Control Pollution Control Board Norms for discharge of treated sewage Objects of sewage treatment and flow diagram of conventional sewage treatment plant	04.05.2026		
	Analysis of sewage Characteristics of sewage BOD, COD and its significance Control Pollution Control Board Norms for discharge of treated sewage Objects of sewage treatment and flow diagram of conventional sewage treatment plant	08.05.2026		
	Treatment of Sewage Screening Types of screens Grit removal Skimming Sedimentation of sewage Aerobic and anaerobic process Sludge digestion Tricking filters Activated sludge process Disposal of sewage Oxidation Pond Oxidation ditch Septic tank	18.05.2026		
	Treatment of Sewage Screening Types of screens Grit removal Skimming Sedimentation of sewage Aerobic and anaerobic process Sludge digestion Tricking filters Activated sludge process Disposal of sewage Oxidation Pond Oxidation ditch Septic tank	22.05.2026		
	Treatment of Sewage Screening Types of screens Grit removal Skimming Sedimentation of sewage Aerobic and anaerobic process Sludge digestion Tricking filters Activated sludge process Disposal of sewage Oxidation Pond Oxidation ditch Septic tank	23.05.2026		
	Treatment of Sewage Screening Types of screens Grit removal Skimming Sedimentation of sewage Aerobic and anaerobic process Sludge digestion Tricking filters Activated sludge process Disposal of sewage Oxidation Pond Oxidation ditch Septic tank	25.05.2026		

#### Assignments

Assignment No	Contents of syllabus covered	Proposed Date	Actual Date	Remarks
A-1	Unit-I, Unit-II	06.03.2026		
A-2	Unit-III, Unit-IV	04.04.2026		

#### Class Test / House Test

Name of Test	Syllabus of Tests	Proposed Date	Actual Date	Remarks
Class Test - I	Unit-I, Unit-II	As per HPTSB Academic Calendar		
Class Test - II	Unit-III Some topics of Unit-IV			
House Test	Unit-I to Unit-V			

#### Lab Plan

Sr. No.	Name of Practical	Proposed Date	Actual Date	Remarks
1	Determine pH value of given sample of water	27.01.2026		
2	Determine the turbidity of the given sample of water	03.02.2026		
3	Determine residual chlorine in a given sample of water	10.02.2026		
4	Determine suspended dissolved solids and total solids of given sample of water	17.02.2026		
5	Determine the dissolved oxygen in a sample of water	24.02.2026		
6	Undertake a field visit to water treatment plant and prepare a report	3.03.2026		
7	Determine the optimum dose of coagulant in a given raw water sample by jar test	10.03.2026		
8	Determine the optimum dose of coagulant in a given raw water sample by jar test	17.03.2026		
9	Draw sketches of various valves used in water supply pipeline	24.03.2026		
10	Draw sketches of various valves used in water supply pipeline	31.03.2026		
11	Draw a sketch of one pipe and two pipe system of plumbing	07.04.2026		
12	Draw a sketch of one pipe and two pipe system of plumbing	21.04.2026		
13	Draw a sketch of one pipe and two pipe system of plumbing	28.04.2026		
14	Prepare a report of a field visit to sewage treatment plant	05.05.2026		
15	Prepare a report of a field visit to sewage treatment plant	19.05.2026		
16	Prepare a report of a field visit to sewage treatment plant	26.05.2026		

*Ajika*  
24/01/26  
(Signature of Teacher)

Principal

(Signature of HOD)

SIRDA Polytechnic, Sundernagar Distt. Mandi (H.P.)

Principal,  
SIRDA Polytechnic,  
Naufakha, P. O. Kanald  
Sunder Nagar Mandi (H.P.)

**SIRDA Polytechnic, Naulakha**

**Lesson Plan**

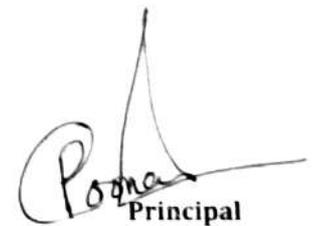
**Name** : Er. Ajay Kumar  
**Branch** : CSE/CIVIL  
**Semester** : 6TH  
**Subject** : Entrepreneurship & Start-ups  
**Code** : HS 302

Lecture Day	Topic	Proposed Date	Actual Date	Remarks
1	UNIT 1 - Introduction to Entrepreneurship and Start-Ups	27-01-2026		
2	Introduction to Entrepreneurship and Start-Ups	28-01-2026		
3	• Definitions, Traits of an entrepreneur,	29-01-2026		
4	Intrapreneurship	30-01-2026		
5	Motivation,	03-02-2026		
6	• Types of Business Structures,	04-02-2026		
7	• Types of Business Structures,	05-02-2026		
8	• Types of Business Structures,	06-02-2026		
9	Similarities/differences between entrepreneurs and managers.	10-02-2026		
10	Similarities/differences between entrepreneurs and managers.	11-02-2026		
11	Revision	12-02-2026		
12	Revision	13-02-2026		
13	UNIT 2 - Business Ideas and their implementation	17-02-2026		
14	Business Ideas and their implementation	18-02-2026		
15	• Discovering ideas and visualizing the business	19-02-2026		
16	• Discovering ideas and visualizing the business	20-02-2026		
17	• Activity map	24-02-2026		
18	• Activity map	25-02-2026		
19	• Business Plan	26-02-2026		
20	• Business Plan	27-02-2026		
21	• Business Plan	03-03-2026		
22	Revision	05-03-2026		
23	Revision	06-03-2026		
24	Revision	10-03-2026		
25	UNIT 3 -Idea to Start-up	11-03-2026		
26	Idea to Start-up	12-03-2026		
27	CT 1	13-03-2026		
28	• Market Analysis-Identifying the target market,	17-03-2026		
29	• Competition evaluation	18-03-2026		
30	Strategy Development,	19-03-2026		
31	Strategy Development,	20-03-2026		
32	• Marketing	24-03-2026		
33	accounting,	25-03-2026		
34	accounting,	27-03-2026		
35	• Risk analysis	31-03-2026		
36	Revision	01-04-2026		

37	UNIT 4 –Management	02-04-2026		
38	• Company's Organization Structure.	04-04-2026		
39	• Company's Organization Structure.	07-04-2026		
40	• Recruitment and management of talent	08-04-2026		
41	• Recruitment and management of talent	09-04-2026		
42	• Financial organization and management	10-04-2026		
43	• Financial organization and management	16-04-2026		
44	CT 2	17-04-2026		
45	Revision	21-04-2026		
46	UNIT 5-Financing and Protection of Ideas	22-04-2026		
47	• Financing methods available for start-ups in India	23-04-2026		
48	• Financing methods available for start-ups in India	24-04-2026		
49	• Communication of Ideas to potential investors–Investor Pitch	28-04-2026		
50	• Communication of Ideas to potential investors–Investor Pitch	29-04-2026		
51	• Patenting and Licenses	30-04-2026		
52	Revision	05-05-2026		
53	UNIT 6 -Exit strategies for entrepreneurs	06-05-2026		
54	Exit strategies for entrepreneurs	07-05-2026		
55	bankruptcy.	08-05-2026		
56	succession	19-05-2026		
57	harvesting strategy.	20-05-2026		
58	harvesting strategy.	21-05-2026		
59	Revision	22-05-2026		
60	Revision	26-05-2026		

  
Subject Teacher

  
H.O.D.

  
Principal

Principal,  
SIRDA Polytechnic,  
Naulakha, P. O. Kanak,  
Sunder Nagar, Mandi (HP)

**DEPARTMENT OF COMPUTER ENGINEERING**  
**SIRDA POLYTECHNIC SUNDERNAGAR**  
**DISTT. - MANDI (H.P.) - 175019**

**LESSON PLAN**

Program Name	civil and cse
Subject Name	Technical Communication
Subject Code	ASE 302
Semester	6th
Subject Teacher Name	Promila Sharma

	Name of Topic	Proposed Date	Actual Date	Remarks
<b>Unit-I</b> <b>Fundamental of</b> <b>Technical</b> <b>communication</b>	<b>Introduction:</b>	28-01-2026		
	Language as a tool of communication	30/01/2026		
	Language as a tool of communication	31-01-2026		
	Feature of Technical communication	02-02-2026		
	Feature of Technical communication	04-02-2026		
	Distinction between General and Technical communication	06-02-2026		
	Distinction between General and Technical communication	07-02-2026		
	Channels of communication at workplace: Downward, upward, Lateral or Horizontal, Diagonal, Grapevine, Consensus	09-02-2026		
	Channels of communication at workplace: Downward, upward, Lateral or Horizontal, Diagonal, Grapevine, Consensus	11-02-2026		
	Channels of communication at workplace: Downward, upward, Lateral or Horizontal, Diagonal, Grapevine, Consensus	13-02-2026		
	Barriers to Communication and overcoming barriers	14-02-2026		
	Barriers to Communication and overcoming barriers	16-02-2026		
Barriers to Communication and overcoming barriers	18/2/2026			
<b>Unit-II</b> <b>Technical writing</b>	<b>Types of Technical writing</b>	20-02-2025		
	Drafting skills: Agenda and Minutes of Meeting, Official and Business Correspondence	21-02-2026		
	Drafting skills: Agenda and Minutes of Meeting, Official and Business Correspondence	23-02-2026		
	Defferent format of Report writing	25/2/2026		
	Defferent format of Report writing	27-02-2026		
	Basic of Grammar: Spotting errors in sentence	28-02-2026		
	Basic of Grammar: Spotting errors in sentence	02-03-2026		
	Basic of Grammar: Spotting errors in sentence	06-03-2026		
	Basic of Grammar: Spotting errors in sentence	06-02-2026		
	Basic of Grammar: Spotting errors in sentence	07-03-2026		
	resume Writing and covering letter	09-03-2026		

	resume Writing and covering letter	11-03-2026		
	<b>CT-1</b>	13-03-2026		
	resume Writing and covering letter	16-03-2026		
	Concept and Significance of Presentation skills	18-03-2026		
	Concept and Significance of Presentation skills	20-03-2026		
	Steps of a effective Presentation	23-03-2026		
	Steps of a effective Presentation	25-03-2026		
	Steps of a effective Presentation	27-03-2026		
	elements of effective presentation skills,including public speaking clarity of substance; Emotion,Humour, Overcoming fear, confident speaking, Audience Analylysis and retention of audience interest	28-03-2026		
	elements of effective presentation skills,including public speaking clarity of substance; Emotion,Humour, Overcoming fear, confident speaking, Audience Analylysis and retention of audience interest	30-03-2026		
	elements of effective presentation skills,including public speaking clarity of substance; Emotion,Humour, Overcoming fear, confident speaking, Audience Analylysis and retention of audience interest	01-04-2025		
	elements of effective presentation skills,including public speaking clarity of substance; Emotion,Humour, Overcoming fear, confident speaking, Audience Analylysis and retention of audience interest	04-04-2026		
	how to improve Presentation skills	06-04-2026		
	<b>CT-2</b>	08-04-2026		
	how to improve Presentation skills	10-04-2026		
	What are speaking skills and characteristics of a Good speech	13-04-2026		
	What are speaking skills and characteristics of a Good speech	17-04-2026		
	What are speaking skills and characteristics of a Good speech	18-04-2026		
	What is panel discussion and its procedure	20-04-2026		
	What is panel discussion and its procedure	22-04-2026		
	job interview skills-what to do before after end during interview	24-04-2026		
	job interview skills-what to do before after end during interview	25-04-2026		
	job interview skills-what to do before after end during interview	27-04-2026		
	body language examples and their meanings - positive and negative. body language for interviews	29-04-2026		
	body language examples and their meanings - positive and negative. body language for interviews	02-05-2026		
	body language examples and their meanings - positive and negative. body language for interviews	04-05-2026		
<b>Unit-III Presentation skills</b>				
<b>unit IV Speaking skills</b>				

difference between etiquettes and manners table etiquettes business ,business etiquettes, telephone etiquettes, dressing etiquettes ,and workplace etiquettes, how to get a long with opposite gender	06-05-2026		
difference between etiquettes and manners table etiquettes business ,business etiquettes, telephone etiquettes, dressing etiquettes ,and workplace etiquettes, how to get a long with opposite gender	08-11-2026		
difference between etiquettes and manners table etiquettes business ,business etiquettes, telephone etiquettes, dressing etiquettes ,and workplace etiquettes, how to get a long with opposite gender	11-05-2026		
what are the elements of voice modulation (quality intonation; pronunciation; articulation; stress and accent; tips for better voice modulation	13/5/2026		
what are the elements of voice modulation (quality intonation; pronunciation; articulation; stress and accent; tips for better voice modulation	15-05-2026		
what are the elements of voice modulation (quality intonation; pronunciation; articulation; stress and accent; tips for better voice modulation	16-05-2026		
Revision	18-05-2026		
Revision	20/5/2026		
Revision	22-05-2026		
Revision	23-05-2026		
Revision	25-05-2026		

  
(Signature of Teacher)

  
(Signature of HOD)

  
Principal  
SIRDA Polytechnic  
Sundernagar Distt. Mandi  
(H.P.)  
Sundernagar,  
SIRDA Polytechnic,  
Naulakha, P. O. Kanald  
Sunder Nagar, Mandi (HP)

**DEPARTMENT OF CIVIL ENGINEERING  
LESSON PLAN**

Program Name	Civil Engineering
Subject Name	Basics of Management
Subject Code	EEVOE 304
Semester	6TH
Subject Teacher Name	Er Anu Singha

**Evaluation Scheme**

S. No.	Subject Name	Study Scheme (Hrs/week)		Marks Distribution in Evaluation Scheme			
		Th	Pr	Internal Assessment		External Assessment	
				Th	Pr	Th	Total
1	Basics of Management	4	0	40	0	60	100
Reference Books		(1) Principles of Management by Philip Kotler TEE Publication (2) Modern Management Techniques by SL Goel: Deep and Deep Publications Pvt Limited , Rajouri Garden, New Delhi.					

**Teaching Plan**

	Name of Topic	Proposed Date	Actual Date	Remarks
Unit-1 Introduction to Management	Definitions and concept of Management	27.01.2026		
	Functions of management- planning	29.01.2026		
	Functions of management- planning	31.01.2026		
	organizing, staffing	02.02.2026		
	organizing, staffing	03.02.2026		
	coordinating and controlling	05.02.2026		
	Various areas of management	07.02.2026		
	Structure of an Organization	09.02.2026		
	Structure of an Organization	10.02.2026		
Unit 2: Self-Management and Development	Life Long Learning Skills	12.02.2026		
	Concept of Personality Development	16.02.2026		
	Ethics and Moral values	17.02.2026		
	Concept of Physical Development	19.02.2026		
	Significance of health	21.02.2026		
	hygiene, body gestures,	23.02.2026		
	Concept Time Management	24.02.2026		
	Time Management importance	26.02.2026		
	Intellectual Development: Reading skills, speaking,	28.02.2026		
	listening skills, writing skills	28.02.2026		
	listening skills, writing skills	03.03.2026		
	(Note taking, rough draft, revision, editing and final drafting),	05.03.2026		
	(Note taking, rough draft, revision, editing and final drafting),	07.03.2026		
	Revision	09.03.2026		
	Revision	10.03.2026		
	Class Test - I	12.03.2026	CT 1	
	Concept of Critical Thinking	16.03.2026		
Problem Solving (approaches, steps and cases)	17.03.2026			
Problem Solving (approaches, steps and cases)	19.03.2026			
Unit 3: Leadership and Motivation	types of leadership	23.03.2026		
	qualities of a good leader	23.03.2026		
	Concept and importance of motivation-drives	24.03.2026		
	Concept and importance of motivation-drives	28.03.2026		
	Concept and importance of motivation-incentives	30.03.2026		
	Concept and importance of motivation-incentives	31.03.2026		
	types of motivation	02.04.2026		
types of motivation	04.04.2026			

Unit 4: Legal Environment and Business	a) Various labour laws and its necessity	06.04.2026		
	Salient features of Income Tax Act - computation of income tax on salary income.	07.04.2026		
	Sales and Excise Tax Act-VAT&	09.04.2026		
	Revision	13.04.2026		
	Revision	16.04.2026		
	CT 2	18.04.2026		
	Excise duty and Factory Act. 1948.	20.04.2026		
	b) Labour Welfare Schemes including wage payment-types.	21.04.2026		
	system of wage payment and incentives.	23.04.2026		
	c) Intellectual Property Rights(IPR)- Concepts, infringements	25.04.2026		
	remedies related to patents, copy rights, trademarks and designs.	25.04.2026		
	d) Accident and Safety- Meaning and concept of accident and safety.	27.04.2026		
	causes, safety precautions and various measures after accidents	28.04.2026		
	Unit-5 Total Quality Management	Meaning of Total Quality Management	30.04.2026	
concept of Total Quality Management		02.05.2026		
various factors/measures to achieve TQM in an organization.		04.05.2026		
various factors/measures to achieve TQM in an organization.		05.05.2026		
Standards and Codes-National & International.		07.05.2026		
Standards and Codes-National & International.		18.05.2026		
Revision		19.05.2026		
Revision		21.05.2026		
Revision		23.05.2026		
Revision		25.05.2026		
Revision		26.05.2026		

#### Assignments

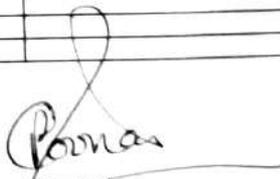
Assignment No.	Contents of syllabus covered	Proposed Date		
A-1	Unit-I, Unit-II	02.03.2026		
A-2	Unit-III, Unit-IV	01.04.2026		

#### Class Test / House Test

Name of Test	Syllabus of Tests	Proposed Date		
Class Test - I	Unit-I, Unit-II	As per HPTSB Academic Calendar		
Class Test - II	Unit-III, Some topics of Unit-IV			
House Test	Unit-I to Unit-IV			

  
Subject Teacher

  
HOD

  
Principal

Principal,  
SIRDA Polytechnic,  
Naulakha, P. O. Kanald,  
Sunder Nagar, Mandi (J.K.)

**DEPARTMENT OF CIVIL ENGINEERING  
SIRDA POLYTECHNIC SUNDERNAGAR  
DISTT. - MANDI (H.P.) - 175019**

**LESSON PLAN**

Program Name	Civil Engineering
Subject Name	Indian Constitution
Subject Code	AU302
Semester	6TH
Subject Teacher Name	Er. Pankaj Thakur

**Evaluation Scheme**

S. No.	Subject Name	Study Scheme (Hrs/week)		Marks Distribution in Evaluation Scheme					
				Internal Assessment			External Assessment		
		Th	Pr	Th	Pr	Total	Th	Pr	Total
1	Indian Constitution	2	0	40	0	40	60	0	100
<b>Reference Books</b>		(1) "Introduction to the Constitution of India" by M.V.Pylee,,4th Edition, Vikas publication,2005.							
		(2) The Constitution of India by B.L. Fadia, Sahitya Bhawan, New Edition 2017							

**Teaching Plan**

	Name of Topic	Proposed Date	Actual Date	Remarks
<b>Unit-I Introduction to Constitution</b>	History of making of the Indian Constitution	28.01.2026		
	Meaning and importance of the Constitution	30.01.2026		
	Salient features and Preamble of Indian Constitution	04.02.2026		
	Fundamental rights- meaning and limitation	06.02.2026		
	Directive principles of state policy and Fundamental duties -their enforcement and their relevance	11.02.2026		
	Directive principles of state policy and Fundamental duties -their enforcement and their relevance	18.02.2026		
<b>Unit-II Union Government</b>	Structure of Union Government	20.02.2026		
	Union Executive- President, Vice-president, Prime Minister, Council of Ministers	25.02.2026		
	Union Executive- President, Vice-president, Prime Minister, Council of Ministers	27.02.2026		
	Union Legislature- Parliament and Parliamentary proceedings	06.03.2026		
	Union Legislature- Parliament and Parliamentary proceedings	11.03.2026		
	<b>Class Test - I</b>	<b>13.03.2026</b>		
	Union Judiciary-Supreme Court of India – composition and powers and function	18.03.2026		
<b>Unit-III State and Local Governments</b>	Structure of State Government, State Executive- Governor, Chief Minister, Council of Ministers	20.03.2026		
	State Legislature-State Legislative Assembly and State Legislative Council	25.03.2026		
	State Legislature-State Legislative Assembly and State Legislative Council	27.03.2026		

	State Judiciary-High court	01.04.2026		
	State Judiciary-High court	08.04.2026		
	Local Government-Panchayat raj system with special reference to 73rd	10.04.2026		
	<b>Class Test - II</b>	<b>17.04.2026</b>		
	Urban Local Self Govt. with special reference to 74th Amendment	22.04.2026		
<b>Unit-IV</b> Election provisions. Emergency provisions. Amendment of the constitution	Election Commission of India-composition, powers and functions and electoral process	24.04.2026		
	Election Commission of India-composition, powers and functions and electoral process	29.04.2026		
	Types of emergency-grounds, procedure, duration and effects.	06.05.2026		
	Types of emergency-grounds, procedure, duration and effects.	08.05.2026		
	Amendment of the constitution- meaning, procedure and limitations	20.05.2026		
	Amendment of the constitution- meaning, procedure and limitations	22.05.2026		

### Assignments

Assignment No.	Contents of syllabus covered	Proposed Date	Actual Date	Remarks
A-1	Unit-I, Unit-II	06.03.2026		
A-2	Unit-III, Unit-IV	01.04.2026		

### Class Test / House Test

Name of Test	Syllabus of Tests	Proposed Date	Actual Date	Remarks
Class Test - I	Unit-I, Unit-II	As per HPTSB Academic Calender		
Class Test - II	Unit-III			
House Test	Unit-I to Unit-III			

  
24/01/2026  
(Signature of Teacher)

  
(Signature of HOD)

  
Principal  
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