

**Government Polytechnic Kullu at Seobagh Distt Kullu H.P. 175138**


**Department of Automobile Engineering**

**Lesson Plan w.e.f 27-01-2026 to 27-05-2026**

Name of Subject:-			<b>Basics of Electric &amp; Hybrid Vehicle</b>	Session:-	<b>Jan- June 2026</b>
Name of Teacher:-			<b>Er Vivek Singh &amp; Er. Rishav</b>	Semester:-	<b>6th Semester</b>
Designation:-			<b>HOD &amp; Lecturer (Automobile Engg)</b>	Scheme:-	<b>N-2022</b>
Sr No	Month	Week	Contents		Remarks
1	January	Week 5	<b>UNIT-I: Electric Vehicles:</b> Introduction; History of Hybrid and Electric Vehicles;		
2	February	Week 1	Social and Environmental importance of Hybrid and Electric Vehicles; Components.		
		Week 2	Vehicle mechanics; Roadway fundamentals,		
		Week 3	Vehicle kinetics, Dynamics of vehicle motion; Propulsion System Design.		
		Week 4	<b>Unit-II: Battery:</b> Basics: Types; Parameters: Capacity, Discharge rate.		
3	March	Week 1	State of charge, State of Discharge, Depth of Discharge;		
		Week 2	<b>Class Test-1</b>		
		Week 3	Technical characteristics, Battery pack Design, Properties of Batteries.		
		Week 4	<b>Unit-III: DC &amp; AC Electrical Machines:</b> Motor and Engine rating; Requirements; DC machines.		
		Week 5	Three phase A/c machines; Induction machines;		
4	April	Week 1	Permanent magnet machines; Switched reluctance machines.		
		Week 2	<b>Class Test-2</b>		
		Week 3	<b>Unit-IV: Electric Vehicle Drive Train:</b> Transmission configuration;		
		Week 4	Components: Gears, Differential, Clutch, Brakes;		
		Week 5	Regenerative braking		
5	May	Week 1	Motor sizing; Fuel efficiency analysis.		
		Week 2	<b>House Test</b>		
		Week 3	<b>Unit-V: Hybrid Electric Vehicles:</b> Types: Parallel, Series.		
		Week 4	Parallel and Series configurations; Drive train; Sizing of components.		
		Week 5	Basics of Micro, Mild, Mini, Plug-in and Fully hybrid.		

  
Signature of Teacher

(Er Vivek Singh) (Er Rishav)

  
Signature of H.O.D

**Government Polytechnic Kullu at Seobagh Distt Kullu H.P. 175138**


**Department of Automobile Engineering**

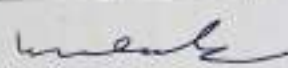
**Lesson Plan w.e.f 27-01-2026 to 27-05-2026**

Name of Subject:-			Industrial Engineering	Session:-	Jan- June 2026
Name of Teacher:-			Er. Pankaj Kumar	Semester:-	6th Semester
Designation:-			W/S Superintendent	Scheme:-	N-2022
Sr No	Month	Week	Contents	Remarks	
1	January	Week 5	UNIT-I: Plant Engineering: Plant; Selection of site of industry; Plant layout; Principles of a good layout; Types; Process; Product and Fixed position;		
2	February	Week 1	Techniques to improve Layout; Principles of Material handling equipment; Plant maintenance; Importance; Break down maintenance; Preventive maintenance and Scheduled maintenance.		
		Week 2	Plant Safety: Importance; Accident: Causes and Cost of an Accident, Accident Proneness, Prevention of Accidents; Industrial disputes; Settlement of Industrial disputes.		
		Week 3	Collective bargaining; Conciliation; Mediation; Arbitration; Indian Factories Act 1948 and its provisions related to health, welfare and safety.		
		Week 4	UNIT-II: Work Study: Productivity; Methods of improving Productivity, Importance of good working conditions. Method Study: Definition; Objectives; Selection of a job for method study.		
3	March	Week 1	Basic procedure for conduct of Method study; Tools used; Operation process chart; Flow process chart; Two handed process chart; Man Machine chart; String diagram and flow diagram. Work Measurement: Definition; Basic procedure in making a time study; Employees rating factor; Application of time allowances: Rest, Personal, Process, Special and Policy allowances;		
		Week 2	Class Test-1		
		Week 3	Calculation of standard time; Numerical Problems; Basic concept of production study; Techniques of Work Measurement; Ratio delay study; Synthesis from standard data; Analytical estimating and Pre determined Motion Time System (PMTS).		
		Week 4	UNIT-III: Production Planning and Control: Introduction; Major functions of Production Planning and Control; Pre planning; Methods of forecasting; Routing and Scheduling; Dispatching and Controlling; Concept of Critical Path Method (CPM); Types of Production: Mass Production, and Job Order Production; Characteristics;		
		Week 5	Economic Batch Quantity (EBQ); Principles of Product and Process Planning; Make or Buy decision; Numerical problems. Quality Control: Definition; Objectives; Types of Inspection: First piece, Floor and Centralized Inspection; Advantages and Disadvantages.		
4	April	Week 1	Statistical Quality Control; Types of Measurements; Method of Variables; Method of Attributes; Uses of X, R, p and c charts; Operating Characteristics curve (O.C curve); Sampling Inspection; Single and Double Sampling plan; Concept of ISO 9001:2008 Quality Management System Registration/Certification procedure; Benefits of ISO to the organization.		
		Week 2	Class Test-2		
		Week 3	UNIT-IV: Principles of Management: Definition of Management; Administration; Organization; F.W. Taylor's and Henry Fayol's Principles of Management; Functions of Manager.		
		Week 4	Types of Organization: Line, Staff, Taylor's Pure functional types; Line and staff and committee type; Directing; Leadership; Styles of Leadership; Qualities of a good leader;		



		Week 5	Motivation; Positive and Negative Motivation; Modern Management Techniques; Just In Time; Total Quality Management (TQM); Quality circle; Zero defect concept; 5S Concept; Management Information Systems. Personnel Management: Responsibility of Human Resource Management; Selection Procedure;	
5	May	Week 1	Training of Workers; Apprentice Training; On the Job training and Vestibule School Training; Job Evaluation and Merit Rating; Objectives and Importance; Wages and Salary Administration; Components of Wages; Wage Fixation; Type of Wage Payment: Halsey's 50% Plan, Rowan's Plan and Emerson's efficiency plan; Numerical Problems.	
		Week 2	<b>House Test</b>	
		Week 3	<b>UNIT-V: Financial Management:</b> Fixed and Working Capital; Resources of Capital; Shares Preference and Equity Shares; Debentures; Type of debentures; Public Deposits; Factory Costing: Direct Cost, Indirect Cost; Factory Overhead;	
		Week 4	Selling Price of a product; Profit; Numerical Problems; Depreciation; Causes; Methods: Straight line, sinking fund and percentage on Diminishing Value Method; Numerical Problems.	
		Week 5	Material Management: Objectives of good stock control system; ABC analysis of Inventory; Procurement and Consumption cycle; Minimum Stock, Lead Time, Reorder Level-Economic Order Quantity problems; Supply Chain.	

  
Signature of Teacher  
(Er Pankaj Kumar)

  
Signature of H.O.D

Government Polytechnic Kullu at Seobagh Distt Kullu H.P. 175138

Civil Engineering Department

Lesson Plan w.e.f 27/01/2026 to 27/05/2026

Branch : Automobile Engineering

Semester: 6th Sem

Session: Jan- May 2026

Subject:-Indian Constitution

Name of Subject Teacher :Lekh Raj Sharma

Designation :HOD AS&H

Sr No	Week / Month	Name of the chapter	Topics to be covered
1	27 Jan - 31 Jan	Introduction to Constitution	History of making of the Indian Constitution. <input checked="" type="checkbox"/> Meaning and importance of the Constitution
2	02 Feb - 07 Feb	Introduction to Constitution	Salient features and Preamble of Indian Constitution.
3	09 Feb - 13 Feb	Introduction to Constitution	Fundamental rights- meaning and limitations.
4	16 Feb - 21 Feb	Introduction to Constitution	Directive principles of state policy and Fundamental duties -their enforcement
5	23 Feb - 28 Feb	Union Government:	Structure of Union Government.
6	02 Mar - 07 Mar	Union Government:	Union Executive- President, Vice-president, Prime Minister, Council of Ministers
7	09 Mar - 13 Mar		<b>Class Test -I,Revision</b>
8	16 Mar - 20 Mar	Union Government:	Union Legislature- Parliament and Parliamentary proceedings.
9	23 Mar - 28 Mar	Union Government:	Union Judiciary-Supreme Court of India – composition and powers and function
10	30 Mar - 04 Apr	State and Local Governments	Structure of State Government.
11	06 Apr - 10 Apr		<b>Class Test -II ,Revision</b>
12	13 Apr - 18 Apr	State and Local Governments	State Executive- Governor, Chief Minister, Council of Ministers
13	20 Apr - 25 Apr	State and Local Governments	State Legislature-State Legislative Assembly and State Legislative Council. <input checked="" type="checkbox"/> State Judiciary-High court.
14	27 Apr - 02 May	State and Local Governments	Local Government-Panchayat raj system with special reference to 73rd and Urban Local Self Govt. with special reference to 74th Amendment.
15	04 May -08 May		<b>House Test -I</b>

Lekh Raj Sharma  
27/01/26

Lekh Raj Sharma  
27/01/26

16	11 May - 16 May	Election provisions, Emergency provisions, Amendment of the constitution	Election Commission of India-composition, powers and functions and electoral process.
17	18 May - 23 May	Election provisions, Emergency provisions, Amendment of the constitution	Types of emergency-grounds, procedure, duration and effects. □ Amendment of the constitution-meaning, procedure and limitations.
18	25 May - 26 May		Revision Work

Teacher signature  
L.R.Sharma

*[Signature]*  
27/01/26

H.O.D AS&H  
L.R.Sharma

*[Signature]*  
27/01/26



**Government Polytechnic Kullu at Seobagh Distt Kullu H.P. 175138**

**Department of Automobile Engineering**

**Lesson Plan with 27-01-2026 to 27-05-2026**

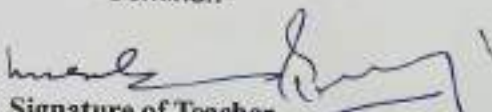
Name of Subject:-	Seminar	Session:- Jan- June 2026
Name of Teacher:-	Er. Vivek Singh Er. Pankaj Kumar	Semester:- 6th Semester
Designation:-	HOD & W/S Supdt.	Scheme:- N-2022

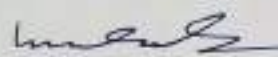
Sr. No.	Student Name	Board Roll No.	Topics for Phase-1	Scheduled date
1	Ajay Vishvakarma	230814102002	Management, Administration & Organisation. Functions of Manager	06-02-2026
2	Aryan	230814102004	FW Taylor's & Henry Fayol's Principle of Management	06-02-2026
3	Naveen Thakur	230814102016	Types of Organisation-Line & Staff	06-02-2026
4	Praveen Kumar	230814102019	Taylor's pure functional type: Line & staff & Committee type	13-02-2026
5	Raj Singh	230814102020	Directing VS Leadership. Motivation type: positive & negative motivation	13-02-2026
6	Raj Thakur	230814102021	Style of Leadership, Qualities of good leader	13-02-2026
7	Saurabh	230814102026	Just in Time & TQM	20-02-2026
8	Tiyush Rawat	230814102034	Quality Circle & Zero defect Concept	20-02-2026
9	Ujjwal	230814102035	5S Concept & Management information system	20-02-2026
10	Vinayak	230814102036	Responsibility of HR Management & Selection Procedure	27-02-2026
11	Yash Pal	230814102037	Training of workers & Apprentice Trainee	27-02-2026
12	Gaurav	240824102001	OJT, Vestibule School training	27-02-2026
13	Hemant Kumar	240824102002	Job Evaluation & Merit rating	06-03-2026
14	Manish Sharma	240824102003	Wages & salary Administration, Components of wages	06-03-2026
15	Mayank Negi	240824102004	Wage Fixation & types of wage payments	06-03-2026
16	Rishank	240824102006	Hasley's 50% Plan & Rowan's Plan	20-03-2026
17	Ritvik Kishore	240824102007	Emerson's Efficiency plan	20-03-2026
18	Sahil Thakur	240824102008	Fixed & working capital, Resources of Capital	20-03-2026
19	Sujal Kumar	240824102009	Preference Shares, Equity shares, Debenture & its types	27-03-2026
20	Yashveer	240824102011	Public Deposits, Factory Costing- Direct & Indirect cost, Factory Overheads, Selling price & profit	27-03-2026
21	Ajay Chauhan	240824102012	Depreciation- Causes, Methods-Sinking fund, Straight line & percentage on diminishing value method	27-03-2026
22	Akshay Kumar	240824102013	Material Management & objectives of good stock control system	17-04-2026
23	Gaurav Rana	240824102014	ABC analysis of inventory, Procurement & consumption cycle & Supply chain	17-04-2026
24	Gaurav Rana	240824102015	Minimum stock, Lead time, re-order level-Economic order quantity problems	17-04-2026
25	Vijay Chauhan	240824102017	Concept of Critical Path Method (CPM); Types of Production: Mass Production, and Job Order Production	24-04-2026

26	Nitish Thakur	240824102017	Economic Batch Quantity (EBQ); Principles of Product and Process Planning	24-04-2026
27	Nitin Kumar	240824102019	Make or Buy decision, Quality Control: Definition & Objectives	24-04-2026
28			Types of Inspection: First piece, Floor and Centralized Inspection; Advantages and disadvantages	15-05-2026
29			Quality Control, Sampling Inspection, Single and Double Sampling plan, Types of inspections	15-05-2026

**Guidelines for Students:**

- 1 Students have to prepare atleast 30 slides for their Seminar
- 2 A student may be allotted time of 15 minutes for presentation & 05 minutes for Q&A session
- 3 The students in the audience may ask the questions on the Seminar topic from the presenter after the Seminar.

  
**Signature of Teacher**  
 (Er Vivek Singh) (Er Pankaj Kumar)

  
**Signature of H.O.D**



Government Polytechnic Kullu at Seobagh Distt Kullu H.P. 175138					
Department of Automobile Engineering					
Lesson Plan w.e.f 27-01-2026 to 27-05-2026					
Name of Subject:-		Major Project		Session:-	Jan-May 2026
Name of Teacher:-		Er. Vivek Singh, Er. Pankaj Kumar, Er. Rishav, Er. Maneet Guleria		Semester:-	6th Semester
Designation:-		HOD, W/Supdt, Lect, W/Supdt		Scheme:-	N-2022
Sr No	Month	Week	Contents	Remarks	
1	January	Week 5	Project work inculcates skills like problem - solving .		
2	February	Week 1	Creative thinking, design, thinking.		
		Week 2			
		Week 3	Time - managment & Planning		
		Week 4	report- writing.(Initial)		
3	March	Week 1	report- writing & Leadership		
		Week 2	<b>Class Test -I</b>		
		Week 3	Team work		
		Week 4			
		Week 5			
4	April	Week 1	report- writing.		
		Week 2	<b>Class Test -II</b>		
		Week 3	project submission(initial)		
		Week 4	project (improvement)		
		Week 5			
5	May	Week 1	report- writing.		
		Week 2	<b>House Test</b>		
		Week 3	project outcome		
		Week 4	project submission(Final)		
		Week 5	<b>Presentation.</b>		

Signature of Teacher

Er. Vivek Singh, Er. Pankaj Kumar, Er. Rishav, Er. Maneet Guleria

Signature of H.O.D



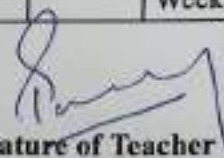
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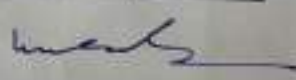
**Department of Automobile Engineering**

**Lesson Plan w.e.f 27-01-2026 to 27-05-2026**

Name of Subject:-	<b>Open Elective-III (Production Planning and Control)</b>	Session:-	<b>Jan- June 2026</b>
Name of Teacher:-	<b>Er. Pankaj Kumar</b>	Semester:-	<b>6th Semester</b>
Designation:-	<b>W/S Superintendent</b>	Scheme:-	<b>N-2022</b>

Sr No	Month	Week	Contents	Remarks
1	January	Week 5	<b>Unit-I: Introduction:</b> Types of production. - Job, batch and mass production;	
2	February	Week 1	Concept of planning, scheduling, routing, dispatching and follow up; Break even analysis	
		Week 2	Plant Location and Layout: Factors affecting the site selection of plant; Factors affecting plant layout;	
		Week 3	Types of layout - Process, product, combination and fixed position.	
		Week 4	<b>Unit-II: Inventory Control:</b> Material purchasing; store keeping; functions and duties of store department;	
3	March	Week 1	Definition of inventory; Types of inventory; ABC analysis;	
		Week 2	<b>Class Test-1</b>	
		Week 3	Procurement cost; carrying charges; lead-time; reorder point; Economic ordering quantity; simple direct numerical problems; Concept of JIT	
		Week 4	<b>Unit-III: Inspection and Quality Control( Problems omitted):</b> Inspection needs; types of inspection; stages of inspection.	
		Week 5	Statistical quality control; Process capability.	
4	April	Week 1	Control charts for variables – X and R chart; control chart for fraction defectives (P chart); control chart for number of defects (C chart).	
		Week 2	<b>Class Test-2</b>	
		Week 3	<b>Unit-IV: Material Handling: Principles of material handling:</b> Hoisting equipment - Fork lift truck, cranes;	
		Week 4	Conveying equipment - Package conveyor, gravity roller conveyors, screw conveyors, flight or scraper conveyors, bucket conveyors, belt conveyors, and pneumatic conveyors.	
		Week 5	Repair and maintenance: Objectives and importance of maintenance; Different types of maintenance;	
5	May	Week 1	Nature of maintenance problem; Range of maintenance activities; Procedure of preventive maintenance; Schedules of preventive maintenance; Advantages of preventive maintenance	
		Week 2	<b>House Test</b>	
		Week 3	<b>Unit-V: Cost estimation and control( Problems omitted):</b> Functions of cost estimation; Estimation procedure;	
		Week 4	Elements of cost; ladder of costs; Depreciation-concept and methods of calculating depreciation; Overhead expanses;	
		Week 5	Cost control - capital cost control (planning and scheduling) operating cost control.	

  
Signature of Teacher  
(Er Pankaj Kumar)

  
Signature of H.O.D

**Government Polytechnic Kullu at Seobagh Distt Kullu H.P. 175138**

**Electrical Engineering Department**

**Lesson Plan w.e.f 27/01/2026 to 27/05/2026**

Branch : ( Civil, Electrical,  
Automobile)Engineering

Semester: 6th Sem

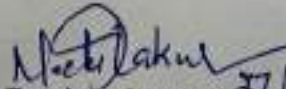
Session: Jan- May 2026


Subject: Entrepreneurship and Start-ups

Name of the teacher : Neetu Thakur

Designation : Lecturer English

Sr No	Week / Month	Name of the chapter	Topics to be covered
1	1st (27 Jan - 31 Jan)	<b>UNIT 1 – Introduction to Entrepreneurship and Start-Ups</b>	Definitions, Traits of an entrepreneur, Intrapreneurship, Motivation.
2	2nd (02 Feb - 07 Feb)		Types of Business Structures, Similarities/differences between entrepreneurs and managers.
3	3rd (09 Feb - 13 Feb)		Similarities/differences between entrepreneurs and managers.
4	4th (16 Feb - 21 Feb)	<b>UNIT 2 – Business Ideas and their implementation</b>	Discovering ideas and visualizing the business
5	5th (23 Feb - 28 Feb)		Discovering ideas and visualizing the business, Activity map Business Plan
6	6th (02 Mar - 07 Mar)	<b>UNIT 3 –Idea to Start-up</b>	Market Analysis–Identifying the target market,
7	7th (09 Mar - 13 Mar)		1st Class Test, Revision
8	8th (16 Mar - 20 Mar)		Competition evaluation and Strategy Development, Marketing and accounting, Risk analysis
9	9th (23 Mar - 28 Mar)	<b>UNIT 4 –Management</b>	Risk analysis Company's Organization Structure,
10	10th (30 Mar - 04 Apr)		Recruitment and management of talent. Financial organization and management
11	11th (06 Apr - 10 Apr)		2nd Class Test, Revision
12	12th (13 Apr - 18 Apr)		Recruitment and management of talent. Financial organization and management
13	13th (20 Apr - 25 Apr)	<b>UNIT 5-Financing and Protection of Ideas</b>	Introduction
14	14th (27 Apr - 02 May)		Financing methods available for start-ups in India Communication of Ideas to potential investors–Investor Pitch
15	15th (04 May -08 May)		House Test
16	16th (11 May - 16 May)		Financing methods available for start-ups in India Communication of Ideas to potential investors–Investor Pitch
17	17th (18 May - 23 May)	<b>UNIT 6 –Exit strategies for entrepreneurs</b>	Introduction, bankruptcy, and succession and harvesting strategy.
18	18th (25 May - 26 May)		bankruptcy, and succession and harvesting strategy.

  
Teacher signature 27/01/26  
Neetu Thakur

  
H.O.D. (Auto)



**Government Polytechnic Kullu at Seobagh Distt Kullu H.P. 175138**

**Applied Sciences And Humanities Department**

**Lesson Plan w.e.f 27/01/2026 to 27/05/2026**

Branch : ( Civil, Electrical,  
Automobile)Engineering

Semester: 6th Sem

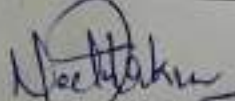
Session: Jan- May 2026

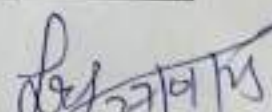
Subject: Technical Communication OE-II

Name of the teacher : Neetu Thakur

Designation : Lecturer English

Sr No	Week / Month	Name of the chapter	Topics to be covered
1	1st (27 Jan - 31 Jan)	<b>Unit I: Introduction.</b>	Fundamentals of Technical Communication Language as a tool of Communication Features of Technical Communication Distinction between General and Technical Communication . Channels of Communication at workplace.
2	2nd (02 Feb - 07 Feb)		Barriers to Communication and overcoming barriers. Doubt removing session Revision of unit 1.
3	3rd (09 Feb - 13 Feb)	<b>Unit II: Technical Writing</b>	Types of Technical writing, Drafting skills: Agenda and Minutes of Meetings, Official and Business Correspondence
4	4th (16 Feb - 21 Feb)		Drafting skills: Agenda and Minutes of Meetings, Official and Business Correspondence
5	5th (23 Feb - 28 Feb)		Different formats of Report writing
6	6th (02 Mar - 07 Mar)		Basics of Grammar: Spotting errors in sentences (Noun, Pronoun, Verb, Adverb, Adjective, Preposition, Conjunction, Article, Modals, Tenses, Punctuation)
7	7th (09 Mar - 13 Mar)		<b>1st Class Test, Revision</b>
8	8th (16 Mar - 20 Mar)		Basics of Grammar
9	9th (23 Mar - 28 Mar)		Resume Writing and Covering letter
10	10th (30 Mar - 04 Apr)		Resume Writing and Covering letter
11	11th (06 Apr - 10 Apr)		<b>2nd Class Test, Revision</b>
12	12th (13 Apr - 18 Apr)	<b>Unit III: Presentation Skills</b>	Concept and Significance of Presentation skills Steps of a Effective Presentation
13	13th (20 Apr - 25 Apr)		Elements of Effective Presentation skills, How to improve Presentation Skills
14	14th (27 Apr - 02 May)	<b>Unit IV: Speaking skills</b>	What are Speaking Skills and Characteristics of a Good Speech What is Panel Discussion and its procedure
15	15th (04 May - 08 May)		<b>House Test</b>
16	16th (11 May - 16 May)		Job Interview Skills, Body Language Examples and their Meanings, Etiquettes and Manners
17	17th (18 May - 23 May)		What are the elements of Voice modulation.
18	18th (25 May - 26 May)		<b>Revision</b>

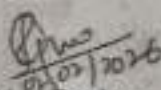
  
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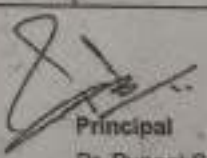
  
HOD

Government Polytechnic Kullu						
Lesson Plan for the Session January 2026 - May 2026						
Subject Name : Introduction to E-Commerce (COOE302)				Subject Teacher: Dr. Rigzin Angmo		
Sr no	Month	Week	Date	Name of Chapter	Contents to be taught	Remarks
1	January	1	28/01/2026		An Overview of Electronic Commerce	
2			29/01/2026		Advantages & Disadvantages of E - Commerce,	
3			30/01/2026		Advantages & Disadvantages of E - Commerce,	
4			31/01/2027		Threats of E - Commerce,	
5	February	2	04/02/2026	Unit-1 : Introduction to E-Commerce	Cyber Law	
6			05/02/2026		E-Commerce Technologies: Different types of Networking for E-Commerce, Internet, Intranet & Extranet, EDI Systems	
7			06/02/2026		E-Commerce Technologies: Different types of Networking for E-Commerce, Internet, Intranet & Extranet, EDI Systems	
8			07/02/2026		E-Commerce Technologies: Different types of Networking for E-Commerce, Internet, Intranet & Extranet, EDI Systems	
9		3	11/02/2026		WAP, Mobile Computing,	
10			12/02/2026		Wireless Web, Web Security	
11			13/02/2026		Infrastructure Requirement for E - Commerce,	
12		4	18/02/2026		Discussion + Revision	
13			19/02/2026		Discussion + Revision	
14			20/02/2026		Business Models of e -commerce: Model Based on transaction type,	
15			21/02/2026		Model Based on Transaction Party - B2B, B2C, C2B, C2C	
16		5	25/02/2026	UNIT-II: Business Models of E - Commerce	Model Based on Transaction Party - B2B, B2C, C2B, C2C	
17			26/02/2026		Model Based on Transaction Party - B2B, B2C, C2B, C2C	
18			27/02/2026		B2B, B2C,	
19			28/02/2026		C2B, C2C	
20	March	6	05/03/2026		E - Governance	
21			06/03/2026		E - Governance	
22			07/03/2026		Discussion + Revision	
23		7	11/03/2026		Class test 1	
24			12/03/2026		Discussion	
25			13/03/2026		Benefits, EDI working concepts, Applications	
26		8	18/03/2026	UNIT-III: Electronic Data Interchange	Applications of EDI	
27			19/03/2026		Protocols (UN EDI FACT )	
28			20/03/2026		Protocols (UN EDI FACT )	
29			25/03/2026		Data Encryption (DES / RSA)	
30		9	27/03/2026		Data Encryption (DES / RSA)	
31			28/03/2026		EDI implementation difficulties	
32			01/04/2026		Discussion + Revision	



33	April	10	02/04/2026	UNIT-IV: Electronic Payment Systems	Electronic Payment Systems	
34			04/04/2026		Electronic Cash	
35		11	08/04/2026		Class test 2	
36			09/04/2026		Discussion	
37			10/04/2026		Smart Cards and Electronic Payment Systems,	
38		12	16/04/2026		Smart Cards and Electronic Payment Systems,	
39			17/04/2026		Credit Card Based Electronic Payment Systems	
40			18/04/2026		Credit Card Based Electronic Payment Systems	
41		13	22/04/2026		Risks in Electronic Payment Systems.	
42			23/04/2026		Discussion + Revision	
43			24/04/2026		Discussion + Revision	
44	May	14	29/04/2026	UNIT-V: Security issues in E - Commerce	Risk in E - Commerce,	
45			30/04/2026		Security for E - Commerce	
46		15	02/05/2026		Security Standards,	
47			06/05/2026		House Test (Tentative)	
48			07/05/2026		Discussion + Revision	
49			08/05/2026		Firewall,	
50		16	13/05/2026		Cryptography,	
51			14/05/2026		Key Management,	
52			15/05/2026		Password Systems	
53			16/05/2026		Digital certificates,	
54		17	20/05/2026		Digital signatures	
55			21/05/2026		Discussion + Revision	
56			22/05/2026		Discussion + Revision	
57			23/05/2026		Discussion + Revision	

  
 Subject Teacher  
 Dr. Rigzin Angmo  
 Lect. Comp. Engg.  
 GP Kullu

  
 Principal  
 Dr. Puneet Sood  
 GP Kullu

**Government Polytechnic Kullu at Seobagh Distt Kullu H.P. 175138**

**Civil Engineering Department**

**Lesson Plan w.e.f 27/01/2026 to 27/05/2026**

Branch : **Civil Engineering**

Semester: **6th Sem**


Session: **Jan- May 2026**

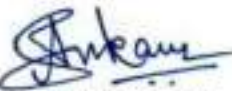
Subject: **Engineering Geology (CEOE 302)**

Name of the teacher : **Er Parveen Kumar**

Designation : **Lecturer Civil Engg**

Sr No	Week / Month	Name of the chapter	Topics to be covered
1	1st (27 Jan - 31 Jan)	Unit I: Introduction	Introduction and branches of Geology, Importance of Engineering Geology.
2	2nd (02 Feb - 07 Feb)	Unit I: Introduction	Scope of engineering geology, Geology in construction jobs, Geology in water resource development, Geology in town and regional planning.
3	3rd (09 Feb - 13 Feb)	Unit II: The Earth	A brief account of theory of origin of Earth. Size, Shape, mass, density.
4	4th (16 Feb - 21 Feb)	Unit II: The Earth	Atmosphere of Earth. Internal structure and chemical composition of Earth.
5	5th (23 Feb - 28 Feb)	Unit III: General Geology	Geological work of atmosphere (rock Weathering) types and effect.
6	6th (02 Mar - 07 Mar)	Unit III: General Geology	Geological works of rivers, wind, glaciers as agents of erosion, transportation and deposition Resulting Features and Importance in Engineering.
7	7th (09 Mar - 13 Mar)		<b>1st Class Test, Revision</b>
8	8th (16 Mar - 20 Mar)	Unit IV: Study of rocks	Types of rocks (Igneous, Sedimentary & Metamorphic rocks). Their composition and engineering importance.
9	9th (23 Mar - 28 Mar)	Unit IV: Study of rocks	Engineering properties of rocks as material for construction: building stones, properties and important building stones.
10	10th (30 Mar - 04 Apr)	Unit IV: Study of rocks	Building stone as road material, quality of aggregate, common road aggregate
11	11th (06 Apr - 10 Apr)		<b>2nd Class Test, Revision</b>
12	12th (13 Apr - 18 Apr)	Unit V: Structural Geology	Dip and strike, apparent dip and true dip.
13	13th (20 Apr - 25 Apr)	Unit V: Structural Geology	Folds, elements of fold, types of fold, causes of folding. Fault terminology, classification of faults. Significance of faults.
14	14th (27 Apr - 02 May)	Unit VI: Geological investigations	Introduction and objective of geological investigations
15	15th (04 May - 08 May)		<b>House Test</b>
16	16th (11 May - 16 May)	Unit VI: Geological investigations	Methods of geological investigations, Geophysical investigations
17	17th (18 May - 23 May)	Unit VI: Geological investigations	Seismic method of investigation, Gravitational method Acoustic methods.
18	18th (25 May - 26 May)		<b>Revision</b>

  
Teacher signature  
Er Parveen Kumar

  
H.O.D Civil Engg  
Er Adit Rana