

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:-		Basics of Electric & Hybrid Vehicle	Session:-	Jan- June 2026
Name of Teacher:-		Er Vivek Singh & Er. Rishav	Semester:-	6th Semester
Designation:-		HOD & Lecturer (Automobile Engg)	Scheme:-	N-2022
Sr No	Month	Week	Contents	Remarks
1	January	Week 5	UNIT-I: Electric Vehicles: 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	Unit-II: Battery: Basics; Types; Parameters; Capacity, Discharge rate.	
3	March	Week 1	State of charge, State of Discharge, Depth of Discharge;	
		Week 2	Class Test-1	
		Week 3	Technical characteristics, Battery pack Design, Properties of Batteries.	
		Week 4	Unit-III: DC & AC Electrical Machines: 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	Class Test-2	
		Week 3	Unit-IV: Electric Vehicle Drive Train: Transmission configuration;	
		Week 4	Components: Gears, Differential, Clutch, Brakes;	
		Week 5	Regenerative braking	
5	May	Week 1	Motor sizing; Fuel efficiency analysis.	
		Week 2	House Test	
		Week 3	Unit-V: Hybrid Electric Vehicles: 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

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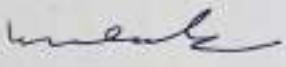
Department of Automobile Engineering

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	House Test	
		Week 3	UNIT-V: Financial Management: 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****Subject:-Indian Constitution****Semester: 6th Sem****Name of Subject Teacher :Lekh Raj Sharma****Session: Jan- May 2026****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. 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		Class Test -I, Revision
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		Class Test -II , Revision
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. 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		House Test -I

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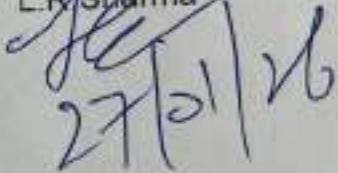
16	11 May - 16 May	Election provisions, Emergency provisions, Amendment of the constitution	Election Commission of India-composition, powers and functions and electoral process.
17	18 May - 23 May	Election provisions, Emergency provisions, Amendment of the constitution	Types of emergency-grounds, procedure,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

Teacher signature
L.R.Sharma



27/01/16

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



27/01/16

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****Session:- Jan- June 2026**

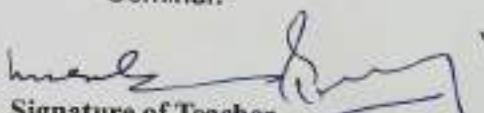
Name of Subject:-	Seminar	Session:- Jan- June 2026
Name of Teacher:-	Er. Vivek Singh Er. Pankaj Kumar	Semester:- 6th Semester
Designation:-	HOD & W/S Supdt.	Scheme:- N-2022

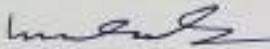
Sr. No.	Student Name	Board Roll No.	Topics for Phase-1	Scheduled date
1	Ajay Vishvakarma	230814102002	Management, Administration & Organisation. Functions of Manager	06-02-2026
2	Aryan	230814102004	FW Taylor's & Henry Fayol's Principle of Management	06-02-2026
3	Naveen Thakur	230814102016	Types of Organisation-Line & 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 inculates 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	Class Test -I	
		Week 3		
		Week 4	Team work	
		Week 5		
4	April	Week 1	report- writing.	
		Week 2	Class Test -II	
		Week 3	project submission(initial)	
		Week 4	project (improvement)	
		Week 5		
5	May	Week 1	report- writing.	
		Week 2	House Test	
		Week 3	project outcome	
		Week 4	project submission(Final)	
		Week 5	Presentation.	

Signature of Teacher

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

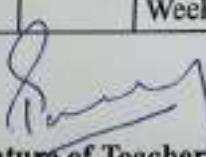
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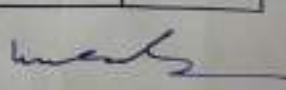
Government Polytechnic Kullu at Seobagh Distt Kullu H.P. 175138

Department of Automobile Engineering

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

Name of Subject:-		Open Elective-III (Production Planning and Control)	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: Introduction: 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	Unit-II: Inventory Control: Material purchasing; store keeping; functions and duties of store department;	
3	March	Week 1	Definition of inventory; Types of inventory; ABC analysis;	
		Week 2	Class Test-1	
		Week 3	Procurement cost; carrying charges; lead-time; reorder point; Economic ordering quantity; simple direct numerical problems; Concept of JIT	
		Week 4	Unit-III: Inspection and Quality Control(Problems omitted): 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	Class Test-2	
		Week 3	Unit-IV: Material Handling: Principles of material handling: 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	House Test	
		Week 3	Unit-V: Cost estimation and control(Problems omitted): 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

Subject: Entrepreneurship and Start-ups

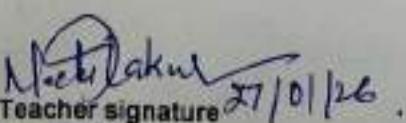
Semester: 6th Sem

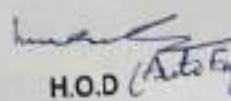
Name of the teacher : Neetu Thakur

Session: Jan- May 2026

Designation : Lecturer English

Sr No	Week / Month	Name of the chapter	Topics to be covered
1	1st (27 Jan - 31 Jan)	UNIT 1 – Introduction to Entrepreneurship and Start-Ups	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)		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)	UNIT 3 –Idea to Start-up	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)	UNIT 4 -Management	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)		Introduction
14	14th (27 Apr - 02 May)	UNIT 5-Financing and Protection of Ideas	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)		Introduction, bankruptcy, and succession and harvesting strategy.
18	18th (25 May - 26 May)	UNIT 6 –Exit strategies for entrepreneurs	bankruptcy, and succession and harvesting strategy.


Teacher signature 27/01/26
Neetu Thakur


H.O.D (Acting)

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

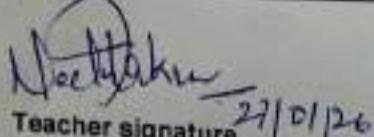
Session: Jan- May 2026

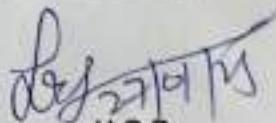
Subject: Technical Communication OE-II

Name of the teacher : Neetu Thakur

Designation : Lecturer English

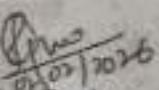
Sr No	Week / Month	Name of the chapter	Topics to be covered
1	1st (27 Jan - 31 Jan)	Unit I: Introduction.	Fundamentals of Technical Communication Language as a tool of CommunicationFeatures of Technical Communication Distinction between General and Technical Communication . Channels of Communication 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)	Unit II:Technical Writing	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)		1st Class Test, Revision
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)		2nd Class Test, Revision
12	12th (13 Apr - 18 Apr)	Unit III:Presentation Skills	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)	Unit IV:Speaking skills	What are Speaking Skills and Characteristics of a Good Speech What is Panel Discussion and its procedure
15	15th (04 May -08 May)		House Test
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)		Revision

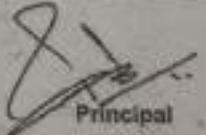

Teacher signature 27/01/2026


H.O.D.

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	Unit-1 : Introduction to E-Commerce	An Overview of Electronic Commerce	
2			29/01/2026		Advantages & Disadvantages of E – Commerce,	
3			30/01/2026		Advantages & Disadvantages of E – Commerce,	
4			31/01/2026		Threats of E – Commerce,	
5		2	04/02/2026		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	February	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			18/02/2026		Discussion + Revision	
13		4	19/02/2026		Discussion + Revision	
14			20/02/2026	UNIT-II: Business Models of E – Commerce	Business Models of e – commerce: Model Based on transaction type,	
15			21/02/2026		Model Based on Transaction Party - B2B, B2C, C2B, C2C	
16			25/02/2026		Model Based on Transaction Party - B2B, B2C, C2B, C2C	
17		5	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		9	25/03/2026		Data Encryption (DES / RSA)	
30			27/03/2026		Data Encryption (DES / RSA)	
31			28/03/2026		EDI Implementation difficulties	
32			01/04/2026		Discussion + Revision	

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


 02/04/2026
 Subject Teacher
 Dr. Rizgin 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

Subject: Engineering Geology (CEOE 302)

Semester: 6th Sem

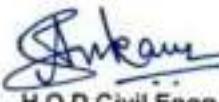
Name of the teacher : Er Parveen Kumar

Session: Jan- May 2026

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)		1st Class Test, Revision
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)		2nd Class Test, Revision
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)		House Test
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)		Revision

Teacher signature
Er Parveen Kumar


H.O.D Civil Engg
Er Adit Rana