

Govt. Polytechnic Kullu (H.P.)
Engineering Workshop Practices Planning

Branch : Electrical Engineering

Semester: 1st

Subject : Engineering Workshop Practices

Session: Aug. - Nov. -2025

Teacher: Narender Kumar , WSI Electronics

Workshop	Month	Week	Detail of Contents	Reference Resources	Remarks
Electrical House Wiring	Aug.	Week 2	Demonstration of advance power tools, pneumatic tools, electrical wiring tools and accessories. Practice on simple lamp circuits (i) one lamp controlled by one switch by surface conduit wiring,	R1	
		Week 3			
		Week 4			
		Week 5			
	Sep.	Week 1	(ii) Lamp circuits connection of lamp and socket by separate switches (iii) Connection of Fluorescent lamp/tube light		
		Week 2			
		Week 3			
		Week 4			
	Oct.	Week 1	(iv) simple lamp circuits-in- stall bedroom lighting. v) Simple lamp circuits- install stair case wiring.		
		Week 2			
		Week 3			
		Week 4			
	Nov.	Week 1	vi) Demonstration of measurement of Current, Voltage, Power and Energy.vii) Demonstration of advance power tools, pneumatic tools, electrical wiring tools and accessories. viii) Tools for Cutting and drilling Report Checking and evaluation.		
		Week 3			
		Week 4			
		Week 5			

Teacher's references.

R1. A text book of Electrical Workshop practices by Dr. Umesh Rathore ,Katson Publication.

Signature of Teacher

Foreman

Workshop Supdt.

H.O.D.(AS&H)

Govt. Polytechnic Kullu (H.P.)
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Session: Aug. - Nov. -2025

Teacher: Anurudh, WSI Fitting

Workshop	Month	Week	Detail of Contents	Reference Resources	Remarks
Fitting Workshop	Aug.	Week 2	i) Demonstration of different fitting tools and drilling machines and power tools	R1,R2	
		Week 3			
		Week 4			
		Week 5			
Fitting Workshop	Sep.	Week 1	ii) Demonstration of different operations like chipping, filing, drilling.	R1,R2	
		Week 2			
		Week 3			
		Week 4			
Fitting Workshop	Oct.	Week 1	li) Demonstration of different operations like tapping, sawing, cutting etc.	R1,R2	
		Week 2			
		Week 3			
		Week 4			
Fitting Workshop	Nov.	Week 1	iii) One simple fitting job involving practice of chipping, filing, drilling, tapping, cutting etc. Report Checking and evaluation.	R1,R2	
		Week 3			
		Week 4			
		Week 5			

Teacher's references.

R1. A Text Book Workshop Technology by Dr. R. K. Singal

R2. Workshop Practices by Swarn singh

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H.O.D.(AS&H)

Govt. Polytechnic Kullu (H.P.)
Engineering Workshop Practices Planning

Branch : Electrical Engineering

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Subject : Engineering Workshop Practices

Session: Aug. - Nov. -2025

Teacher: Bhupinder , WSI Welding

Workshop	Month	Week	Detail of Contents	Reference Resources	Remarks
Welding Workshop	Aug.	Week 2 Week 3 Week 4 Week 5	i) Demonstration of different welding tools / machines.	R1,R2	
	Sep.	Week 1 Week 2 Week 3 Week 4 Week 5	ii) Demonstration on Arc Welding, Gas Welding, MIG, MAG welding, gas cutting and rebuilding of broken parts with welding		
	Oct.	Week 1 Week 2 Week 3 Week 4 Week 5	ii) Demonstration on gas cutting and rebuilding of broken parts with welding		
	Nov.	Week 1 Week 3 Week 4 Week 5	iii) One simple job involving butt and lap joint Report Checking and evaluation Report Checking and evaluation		

Teacher's references.

R1. A Text Book Workshop Technology by Dr. R. K. Singal

R2. Advanced Welding Technology by Dr. S.P. Tewari

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Govt. Polytechnic Kullu (H.P.)
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Session: Aug. - Nov. -2025

Teacher: Swarn Singh , Foreman Instructor

Workshop	Month	Week	Detail of Contents	Reference Resources	Remarks
Carpentry Workshop	Aug.	Week 2 Week 3 Week 4 Week 5	i) Demonstration of different wood working tools / machines.	R1	
		Week 1 Week 2 Week 3 Week 4 Week 5	ii) Demonstration of different wood working processes, like planing, marking, chiseling, grooving, turning of wood etc.		
		Week 1 Week 2 Week 3 Week 4 Week 5	Demonstration of grooving, turning of wood etc.		
		Week 1 Week 3 Week 4 Week 5	iii) One simple job involving any one joint like mortise and tenon dovetail, bridle, half lap etc. Report Checking and evaluation Report Checking and evaluation		

Teacher's references.

R1. Workshop Practices by Swarn Singh , Katson publication

Signature of Teacher

Foreman

Workshop Supdt.

H.O.D.(AS&H)

Govt. Polytechnic Kullu (H.P.)

Lesson Planning

Branch : Electrical , Civil & Automobile Engineering

Semester: 1st

Subject : Engineering Graphics

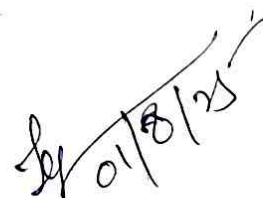
Session: Aug. - Nov. -2025

Teacher : Pankaj Kumar

Sr. No	Month	Week	Sheet	Detail of Contents	Remarks
1.	Aug.	Week 2 Week 3 Week 4	Sheet 1	LETTER WRITING	
3.	Sept.	Week 1-2 Week 3 Week 4 Week 5	Sheet 2 Sheet 3 Sheet 4	DIMENSIONING & TYPES OF LINES PLAIN SCALES & DIAGONAL SCALES ORTHOGRAPHIC PROJECTION-I	
4.	Oct.	Week 1 Week 2 Week 3 Week 4	Sheet 5 Sheet 6 Sheet 7 Sheet 8	ORTHOGRAPHIC PROJECTION-II ORTHOGRAPHIC PROJECTION-III ISOMETRIC VIEWS MISSING LINES AND VIEWS	
6.	Nov.	Week 1 Week 3 Week 4 Week 5	Sheet 9 Sheet 10 Sheet 11 Sheet 12 Sheet 13 Sheet 14	FREE HAND SKETCH-I FREE HAND SKETCH-II AUTO CAD-I AUTO CAD-II AUTO CAD-III AUTO CAD-IV	


01/8/2025

Signature of Teacher


01/8/25

Signature of H.O.D.