



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

DEPARTMENT OF

MECHANICAL ENGINEERING

ENGINEERING WORKSHOP COURSE FILE

Branch: ECE

Class: B.Tech- I Year-I sem

Subject: ENGINEERING WORKSHOP

Code: R22MED1124

Academic Year: 2022-2023

Regulation: R22

Core/Elective/H&S:MECH

Credits: 2.5

Prepared By

Name: B.SANTHOSH KUMAR

Assistant Professor.

Verified By:

Head of the Department:

Name:



Lab Course File - Check List

LAB FILE:

S.NO.	NAME OF THE FILE	Y/N
1	V.M,PEO - HoD signed Xerox Copy	Y
2	PO,PSOs - HoD signed Xerox Copy	Y
3	PO,PSOs, COs and Mapping - prepared and signed by faculty in charge	Y
4	List of Experiments as per the syllabus - University Xerox copy	Y
5	List of Experiments including additional experiments and	Y
6	their CO, PO/PSOs mapping - prepared and signed by faculty in charge	Y
7	Class time table highlighting the lab - HoD signed Xerox copy	Y
8	Model practical End exam questions - prepared and signed by faculty in charge	Y
9	Schedule of end practical examinations - HoD signed Xerox copy	Y
10	List of examiners - HoD signed Xerox copy	Y
11	Cycle chart to know the batch size of experiments setup –	Y
12	prepared and signed by faculty in charge	Y
13	Lab occupancy chart (including names of Lab, faculty in charges and support staff)	Y
14	- prepared and signed by Lab in charge	Y
15	List of Major equipment - prepared and signed by Lab in charge	Y
16	List of the equipment(S.No., Description, suppliers, Date of purchase, Unit price,	Y
17	quantity, total) - prepared and signed by lab in charge	Y
18	List of Labeling/Number code of the equipment –	Y
19	prepared and signed by faculty in charge	Y

REGISTER/DOCUMENTS

S.NO.	NAME OF THE REGISTER/DOCUMENTS	Y/N
1	Stock Register (which includes date of purchase, supplier, Indent, GRN, bill number)	Y
2	-prepared and signed by Lab in charge	Y
3	Maintenance register(allocate minimum one page for each equipment)	Y
4	- prepared and signed by Lab in charge	Y
5	Consumables register(allocate minimum one page for each equipment)	Y
6	- prepared and signed by Lab in charge	Y
7	Student Log-in Register -prepared and signed by Lab in charge	Y
8	Service/Repair register - prepared and signed by Lab in charge	Y
9	Equipment operation manual provided by the manufacturer	Y
10	File of filled indents forms/Register - prepared and signed by faculty in charge	Y



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

INSTITUTION VISION

To be a premier Institution in Engineering & Technology and Management with competency, values and social consciousness.

INSTITUTION MISSION

- IM₁** Provide high quality academic programs, training activities and research facilities.
- IM₂** Promote continuous Industry-Institute interaction for employability, Entrepreneurship, leadership and research aptitude among stakeholders.
- IM₃** Contribute to the economical and technological development of the region, state and nation.

PRINCIPAL



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R. Dist

Department of Electronics & Communication Engineering



Sri Indu College of Engineering & Technology :: Sheriguda (V)/ R.R. Dist

Department of Electronics & communication Engineering

DEPARTMENT VISION

To be a centre of excellence in Electronics and Communication Engineering Education
to produce professionals for ever-growing needs of society

DEPARTMENT MISSION

The Department has following Missions:

DM1: To promote and facilitate student-centric learning.

DM2: To involve in activities that enable overall development of stakeholders.

DM3: To provide holistic environment with state-of-art facilities for students to develop solutions
for various social needs.

DM4: Organize trainings in Embedded Systems with Industry interaction.

Head of the Department



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

Sri Indu College of Engineering & Technology :: Sheriguda (V)/ R.R.Dist

Department of Electronics & communication Engineering

PROGRAM OUTCOMES (POs) & PROGRAM SPECIFIC OUTCOMES (PSOs)



PO	Description
PO 1	Engineering Knowledge: Apply the knowledge of mathematics/ science/ engineering fundamentals/ and an engineering specialization to the solution of complex engineering problems.
PO 2	Problem Analysis: Identify/ formulate/ review research literature/ and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics/ natural sciences/ and engineering sciences.
PO 3	Design / development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety/ and the cultural/ societal/ and environmental considerations.
PO 4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments/ analysis and interpretation of data/ and synthesis of the information to provide valid conclusions.
PO 5	Modern tool usage: Create/ select/ and apply appropriate techniques/ resources/ and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO 6	The engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal/ health/ safety/ legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO 7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts/ and demonstrate the knowledge of/ and need for sustainable development.
PO 8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice
PO 9	Individual and team work: Function effectively as an individual/ and as a member or leader in diverse teams/ and in multidisciplinary settings.
PO 10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large/ such as/ being able to comprehend and write effective reports and design documentation/ make effective presentations/ and give and receive clear instructions.



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PO 11	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work/ as a member and leader in a team/ to manage projects and in multidisciplinary environments.
PO 12	Life-long learning: Recognize the need for/ and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological Change
Program Specific Outcomes	
PSO 1	To manure and empower the SICET-ECE students strong in practical, technical and research domains in the areas of Signal/ Image processing. VLSI and wireless Communication.
PSO 2	To design and develop a prototype system that will incorporate user requirements using modern devices and emerging technology for industry automations.
PSO 3	To make the SICET-ECE students as successful industry ready engineers by imparting essential interpersonal skills and wide spread exposure on multi-disciplinary technologies.

Head of the Department



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Department of Electronics & Communication Engineering

Program Educational Objectives (PEOs)

Program: B. Tech – Electronics & Communication Engineering

- PEO 1: Higher Degrees & Professional Employment:** Graduates with ability to pursue career in core industries or higher studies in reputed institution.
- PEO 2: Domain Knowledge:** Graduates with ability to apply professional knowledge/skills to design and develop product or process.
- PEO 3: Engineering Career:** Graduates with excellence in Electronics and Communication Engineering along with effective inter-personnel skills.
- PEO 4: Lifelong Learning:** Graduates equipped with skills in recent technologies and be receptive to attain professional competence through life-long learning.

Head of the Department



BR22 – B.Tech. - Electronics & Communication Engineering

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution under UGC, New Delhi)

B.Tech. - I Year – I Semester

L T P C
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(R22MED1124) ENGINEERING WORKSHOP

Course Objectives:

- To Study of different hand operated power tools, uses and their demonstration.
- To gain a good basic working knowledge required for the production of various engineering products.
- To provide hands on experience about use of different engineering materials, tools, equipments and processes those are common in the engineering field.
- To develop a right attitude, team working, precision and safety at work place.
- It explains the construction, function, use and application of different working tools, equipment and machines.
- To study commonly used carpentry joints.
- To have practical exposure to various welding and joining processes.
- Identify and use marking out tools, hand tools, measuring equipment and to work to prescribed tolerances.

Course Outcomes: At the end of the course, the student will be able to:

1. Study and practice on machine tools and their operations
2. Practice on manufacturing of components using workshop trades including plumbing, fitting, carpentry.
3. To understand the foundry, house wiring and welding Trades.
4. Identify and apply suitable tools for different trades of Engineering processes including drilling, material removing, measuring, chiseling.
5. Apply basic electrical engineering knowledge for house wiring practice.

Syllabus :

- Introduction to Carpentry : Types Wood, Sizes of Wood or Timber, Characteristics of Wood, Types of Marking and Measuring Tools, Holding Tools, Cutting Tools, Planing Tools, Types of Chisels and their specifications, Drilling and Boring Tools and their Sketches, Wood Working Lathe and its parts, Drilling Machine and its parts, Types of saws, Sawing Machines such as Jigsaw, Bandsaw, Scrollsaw etc., Care and Maintenance of Tools.
- Introduction to Fitting : Holding Tools, Marking and Measuring Tools, Cutting Tools, Taps and Tap Wrenches, Dies and Die Holders, Bench Drilling Machine with Sketch and Specifications, Types of Files, File Card, Types of Hammers, Spanners, Screwdrivers, Fitting operations, Forms of Materials, Care and Maintenance of Tools
- Introduction of Tin-Smithy : Sheet Materials, Hand Tools, Hammers, Stakes, Sheet Metal Joints, Revets and Screws, Soldering and Brazing.
- Introduction to Foundry : Casting and its components such as Molding sands and their types, Properties, Types patterns, Pattern making materials, Tools used for the Molding, Melting Furnaces such as Cupola, Pot Furnace, Crucible Furnace
- Introduction to Welding : Various Welding processes such as Arc Welding, Gas Welding, Resistance Welding, Thermit Welding, Friction Welding, Elementary Symbols of the Welding, Transformers, Motor Generators, Rectifiers, Welding cables, Electrodes and their types, Electrode Holders, Techniques of Welding, Gas Welding their Types
- Introduction to House-wiring : Types of the Tools using House-wiring, Types of Housewiring System, Fuses, Circuit Breakers, Switches, Sockets and Common House-wiring Methods, Various Symbol for Electrical Items.



BR22 – B.Tech. - Electronics & Communication Engineering

- Introduction to Black Smithy : Tools and equipment used in the Black Smithy, Forging Temperatures of metals.
- Introduction to the Plumbing, Machine Shop, Metal Cutting, Power Tools.

1. TRADES FOR EXERCISES:

At least two exercises from each trade:

- I. Carpentry – (T-Lap Joint, Dovetail Joint, Mortise & Tenon Joint)
- II. Fitting – (V-Fit, Dovetail Fit & Semi-circular fit)
- III. Tin-Smithy – (Square Tin, Rectangular Tray & Conical Funnel)
- IV. Foundry – (Preparation of Green Sand Mould using Single Piece and Split Pattern)
- V. Welding Practice – (Arc Welding & Gas Welding)
- VI. House-wiring – (Parallel & Series, Two-way Switch and Tube Light)
- VII. Black Smithy – (Round to Square, Fan Hook and S-Hook)

2. TRADES FOR DEMONSTRATION & EXPOSURE:

Plumbing, Machine Shop, Metal Cutting (Water Plasma), Power tools in construction and WoodWorking

TEXT BOOKS:

1. Workshop Practice /B. L. Juneja / Cengage
2. Workshop Manual / K. Venugopal / Anuradha.

REFERENCE BOOKS:

1. Work shop Manual - P. Kannaiah/ K.L. Narayana/ Scitech
2. Workshop Manual / Venkat Reddy/ BSP



B.Tech. - I Year - I semester

SUB Name: ENGINEERING WORKSHOP

SUB CODE: R22MED1124

Course out comes (COs):

At the end of the course the student will be able to:

Course Outcomes	Statements
C114.1	Study and practice on machine tools and their operations. (L4-Analyzing)
C114.2	Practice on manufacturing of components using workshop trades including plumbing, fitting, carpentry. (L4-Analyzing)
C114.3	To understand the foundry, house wiring and welding Trades. (L4-Analyzing)
C114.4	Identify and apply suitable tools for different trades of Engineering processes including drilling, material removing, measuring, chiseling. (L4-Analyzing)
C114.5	Apply basic electrical engineering knowledge for house wiring practice. (L4-Analyzing)

Course Articulation Matrix:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C114.1	2	2	1	2	1	-	-	-	-	1	1	2	2	2	-
C114.2	2	2	1	3	1	2	-	-	-	2	1	2	2	2	-
C114.3	2	2	1	2	1	-	-	-	-	-	1	2	2	2	-
C114.4	2	2	1	3	3	-	-	-	-	-	1	2	2	2	-
C114.5	2	2	1	3	2	1	-	-	-	-	1	2	2	2	-
C114	2	2	1	2.1	1.3	0.5	-	-	-	0.5	1	2	2	2	-



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

ACADEMIC CALENDAR 2022-2023



SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution under UGC, New Delhi)
Recognized under 2(i) and 12(B) of UGC Act 1956
NBA Accredited, Approved by AICTE and Permanently affiliated to JNTUH
Sheriguda (V), Ibrahimpatnam, R.R.Dist, Hyderabad - 501 510

D4

BR-22

Lr.No.SICET/AUTO/DAE/BR-22/Academic Cal./655/2022

Date: 27.10.2022

I B.TECH. ACADEMIC CALENDAR
ACADEMIC YEAR : 2022-2023

Dr.G. SURESH,
Principal,

To,
All the HODs
Sir,

Sub: SICET (Autonomous) - Academic & Evaluation - Academic Calendar for I B.Tech - I & II Semester for the academic year 2022-23 – Reg.

The approved Academic Calendar for I B.Tech – I & II Semester for the academic year 2022-23 is given below:

I SEMESTER

S.NO.	EVENT	PERIOD	DURATION
1.	Induction & Orientation Programme	03.11.2022	
2.	1 st Spell of Instructions for covering First Two and a half Units	03.11.2022 – 28.12.2022	8 Weeks
3.	I Mid Examinations	29.12.2022 – 04.01.2023	1 Week
4.	Submission of I Mid Term Examination Marks to the Autonomous Section on or before	10.01.2023	
5.	2 nd Spell of Instructions for covering Remaining Two and a half Units	05.01.2023 – 02.03.2023	8 Weeks
6.	II Mid Examinations	03.03.2023 – 09.03.2023	1 Week
7.	Preparation & Practical Examinations and Remedial Mid Test (RMT)	10.03.2023 – 16.03.2023	1 Week
8.	Submission of II Mid Term Examination Marks to the Autonomous Section on or before	16.03.2023	
9.	I Semester End Examinations	17.03.2023 – 01.04.2023	2 Weeks
Commencement of Class-Work for I B.Tech - II Semester 03.04.2023			

II SEMESTER

S.NO.	EVENT	PERIOD	DURATION
1.	Commencement of II Sem Class Work	03.04.2023	
2.	1st Spell of Instructions for covering First Two and a half Units (Including Summer Vacation)	03.04.2023 – 10.06.2023	10 Weeks
	Summer Vacation	15.05.2023 – 27.05.2023	2 Weeks
3.	I Mid Examinations	12.06.2023 – 17.06.2023	1 Week
4.	Submission of I Mid Term Examination Marks to the Autonomous Section on or before	23.06.2023	
5.	2nd Spell of Instructions for covering Remaining Two and a half Units	19.06.2023 – 12.08.2023	8 Weeks
6.	II Mid Examinations	14.08.2023 – 19.08.2023	1 Week
7.	Preparation & Practical Examinations and Remedial Mid Test (RMT)	21.08.2023 – 26.08.2023	1 Week
8.	Submission of II Mid Term Examination Marks to the Autonomous Section on or before	26.08.2023	
9.	II Semester End Examinations	28.08.2023 – 09.09.2023	2 Weeks
Commencement of Class Work for II B.Tech – I Semester - 11.09.2023			

Copy to all the Heads of the Depts. and AO.

CONTROLLER OF EXAMINATIONS
Sri Indu College of Engineering & Technology
(An Autonomous Institution under JNTUH)
Sheriguda (V), Ibrahimpatnam, R.R. Dist-501510.

DIRECTOR
(Academic Audit)

PRINCIPAL

Sri Indu College of Engineering & Technology
(An Autonomous Institution Under JNTUH)
Sheriguda (V), Ibrahimpatnam, R.R. Dist-501510.



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

Academic year: 2022-2023

SUB NAME:ENGINEERING WORKSHOP

SUB CODE: R22MED1124

TIME TABLE

Course: B.Tech. - I Year – I Semester

Branch/Section: ECE-A

Time/D ay	9:40am- 10:30am I	10:30- 11:20am II	11:20- 12:10pm III	L U N C H	12:40- 01:45pm IV	1:45- 2:50pm V	2:50- 4:00pm VI
MON	M&C	ESE	CPE		← CPE LAB →		
TUE	COUNS	← Elements of ECE →			M&C	AP	CPE
WED	← EWS →				M&C	CPE	AP
THU	ESE	CPE	AP		← AP LAB →		
FRI	AP	LIB	EWS		ESE	CPE	M&C
SAT	← ELCS LAB →				ESE	AP	M&C

Course: B.Tech. - I Year – I Semester

Branch/Section: ECE-B

Time/D ay	9:40am- 10:30am I	10:30- 11:20am II	11:20- 12:10pm III	L U N C H	12:40- 01:45pm IV	1:45- 2:50pm V	2:50- 4:00pm VI
MON	AP	M&C	CPE		← CPE LAB →		
TUE	← AP LAB →				AP	CPE	EWS
WED	ESE	M&C	M&C		ESE	AP	CPE
THU	M&C	CPE	AP		← EWS →		
FRI	AP	← Elements of ECE →			M&C	CPE	ESE
SAT	ESE	COUNS	LIB		← ELCS LAB →		



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

TIME	09:40am To 10:30am	10:30am To 11:20pm	11:20am To 12:10pm		12:40pm To 1:45pm	1:45pm To 2:50pm	2:50pm To 4:00pm
DAY	1	2	3		4	5	6
MON				L U N C H			
TUE	← CE & ECE-B →				← AI&DS-B →		
WED	← AI&DS-A →				← AI&ML-A →		
THU					← ME & ECE-A →		
FRI	← IOT →						
SAT	← AI&ML-B →						

Faculty signature



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

Academic year: 2022-2023

Course: B.Tech. - I Year – I Semester (ECE)

SUB Name: ENGINNERING WORKSHOP

SUB CODE: R22MED1124

Lab External Exam Questions:

Exp No		Questions	CO	BT LEVEL
1	1	To To make a T- lap joint from the given two reapers	CO1	VI
2	2	To To make a Dove Tail- lap joint from the given two reapers	CO1	VI
3	3	To To make a v-fitting from the given two ms pieces	CO2	VI
4	4	To To make a Half round fitting from the given two ms pieces	CO2	VI
5	5	To To prepare T- joint by using arc welding	CO3	VI
6	6	To To prepare Corner joint by using arc welding	CO3	VI
7	7 a	To To give connection to two lights controlled by one switch in series	CO5	III
8	7 b	To To give connection to one light controlled by two –way switches	CO5	III
9	8	To To make Rectangular Tray using the given sheet metal	CO2	VI
10	9	To To make Square Tin using the given sheet metal	CO2	VI
11	10 a	To To make a Square Rod from a given round rod ,by following hand forging operations	CO4	III
12	10 b	To To prepare Single piece pattern by using the green sand mould	CO4	III
13	11	To To make a S-Hook from a given round rod ,by following hand forging operations	CO3	VI
14	12	To To make a Square Rod from a given round rod ,by following hand forging operations	CO3	VI

Faculty in-charge



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

Course: B.Tech. - I Year – I Semester (ECE)

SUB Name: ENGINEERING WORKSHOP

SUB CODE: R22MED1124

LIST OF EXPERIMENTS CYCLE WISE CHART

S.No	No. of Cycle	Name of the Experiment
1.	I	To make a T- lapjoint from the given two reapers
2		To make a Dove Tail- lapjoint from the given two reapers
3		To make a v-fitting from the given two ms pieces
4	II	To make a Half round fitting from the given two ms pieces
5		To make Rectangular Tray using the given sheet metal
6		To make Square Tin Tray using the given sheet metal
7	III	a) To give connection to two lights controlled by one switch in series b) To give connection to one light controlled by two –way switches
8		To make a S-Hook from a given round rod ,by following hand forging operations
9		To make a Square Rod from a given round rod ,by following hand forging operations
10	IV	a) To prepare Single piece pattern by using the green sand mould b) To prepare Split piece pattern by using the green sand mould
11		To prepare T- joint by using arc welding
12		To prepare Corner joint by using arc welding



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R. Dist

Department of Electronics & Communication Engineering

Course: B.Tech. - I Year – I Semester (ECE)

SUB Name: ENIGERRING WORKSHOP

SUB CODE: R22MED1124

Lab Experiments setup Cycle chart

Week batch	week-1	week-2	week-3	week-4	week-5	week-6	week-7	week-8	week-9	week-10	week-11	week-12
Batch-1	Ex-1	Ex-2	Ex-3	Ex-4	Ex-5	Ex-6	Ex-7	Ex-8	Ex-9	Ex-10	Ex-11	Ex-12
Batch-2	Ex-12	Ex-1	Ex-2	Ex-3	Ex-4	Ex-5	Ex-6	Ex-7	Ex-8	Ex-9	Ex-10	Ex-11
Batch-3	Ex-11	Ex-12	Ex-1	Ex-2	Ex-3	Ex-4	Ex-5	Ex-6	Ex-7	Ex-8	Ex-9	Ex-10
Batch-4	Ex-10	Ex-11	Ex-12	Ex-1	Ex-2	Ex-3	Ex-4	Ex-5	Ex-6	Ex-7	Ex-8	Ex-9
Batch-5	Ex-9	Ex-10	Ex-11	Ex-12	Ex-1	Ex-2	Ex-3	Ex-4	Ex-5	Ex-6	Ex-7	Ex-8
Batch-6	Ex-8	Ex-9	Ex-10	Ex-11	Ex-12	Ex-1	Ex-2	Ex-3	Ex-4	Ex-5	Ex-6	Ex-7
Batch-7	Ex-7	Ex-8	Ex-9	Ex-10	Ex-11	Ex-12	Ex-1	Ex-2	Ex-3	Ex-4	Ex-5	Ex-6
Batch-8	Ex-6	Ex-7	Ex-8	Ex-9	Ex-10	Ex-11	Ex-12	Ex-1	Ex-2	Ex-3	Ex-4	Ex-5
Batch-9	Ex-5	Ex-6	Ex-7	Ex-8	Ex-9	Ex-10	Ex-11	Ex-12	Ex-1	Ex-2	Ex-3	Ex-4
Batch-10	Ex-4	Ex-5	Ex-6	Ex-7	Ex-8	Ex-9	Ex-10	Ex-11	Ex-12	Ex-1	Ex-2	Ex-3

Faculty in charge

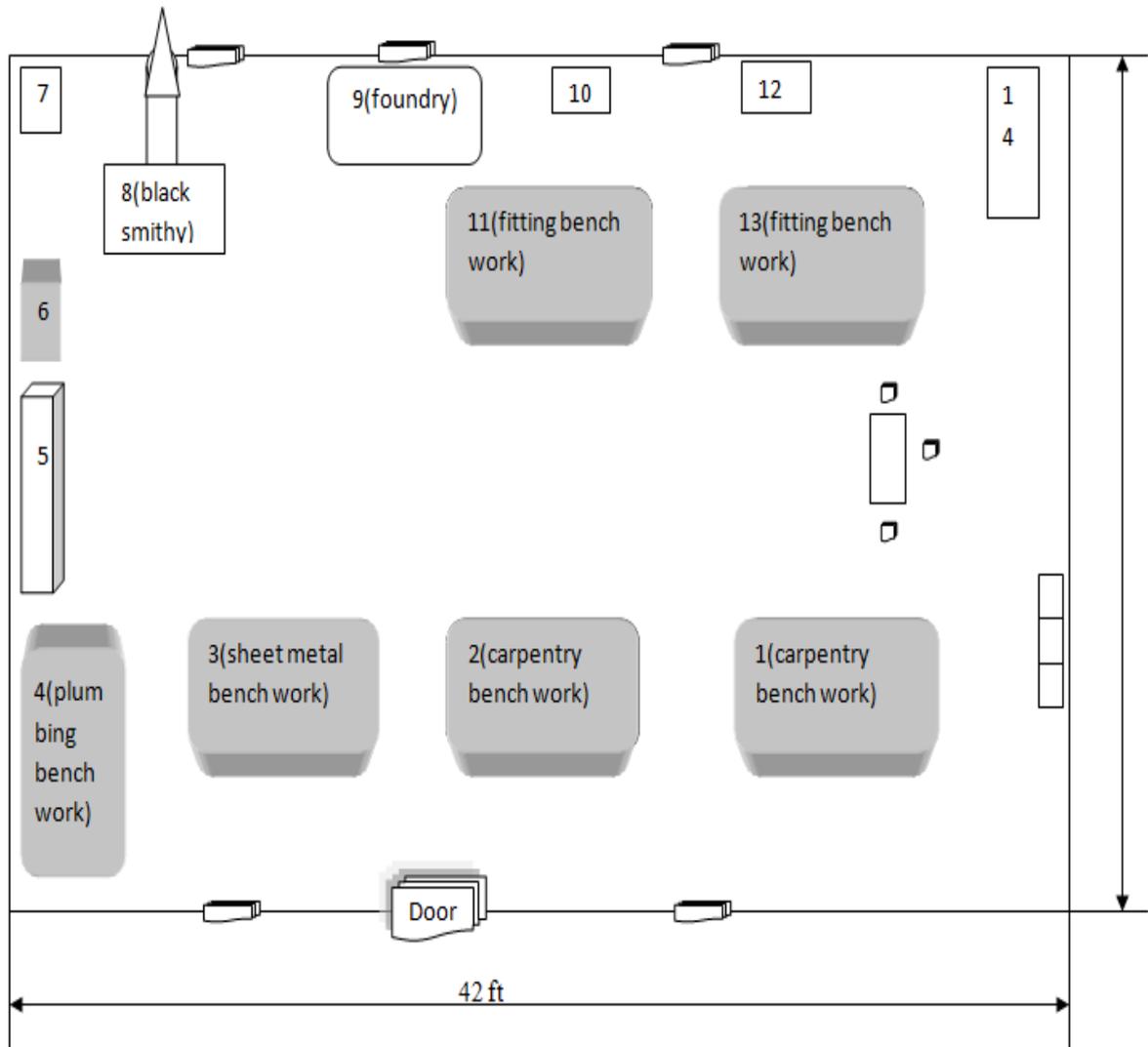


Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

ENGINEERING WORKSHOP LAB -I

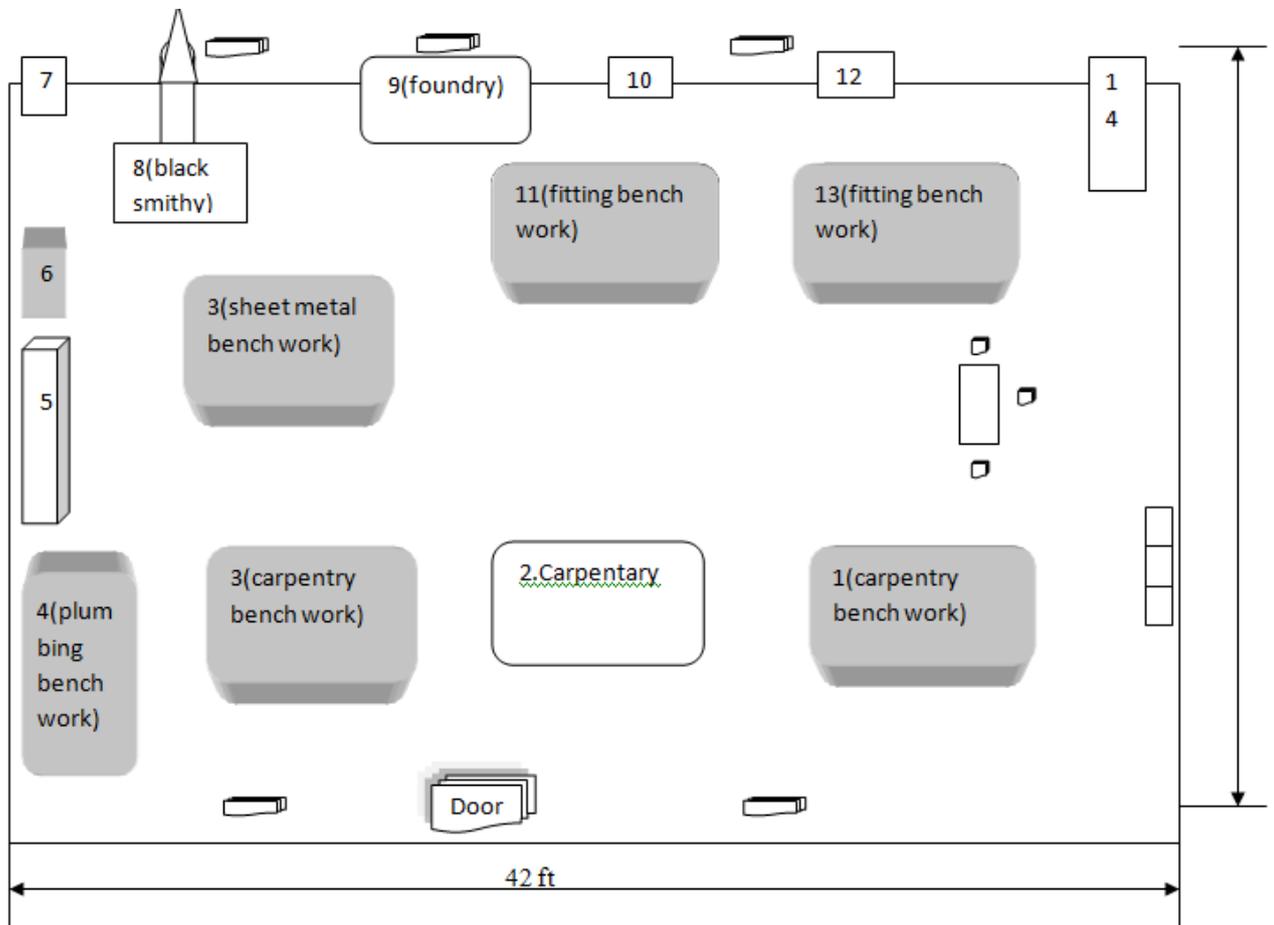
Room no: GF-116





ENGINEERING WORKSHOP LAB -II

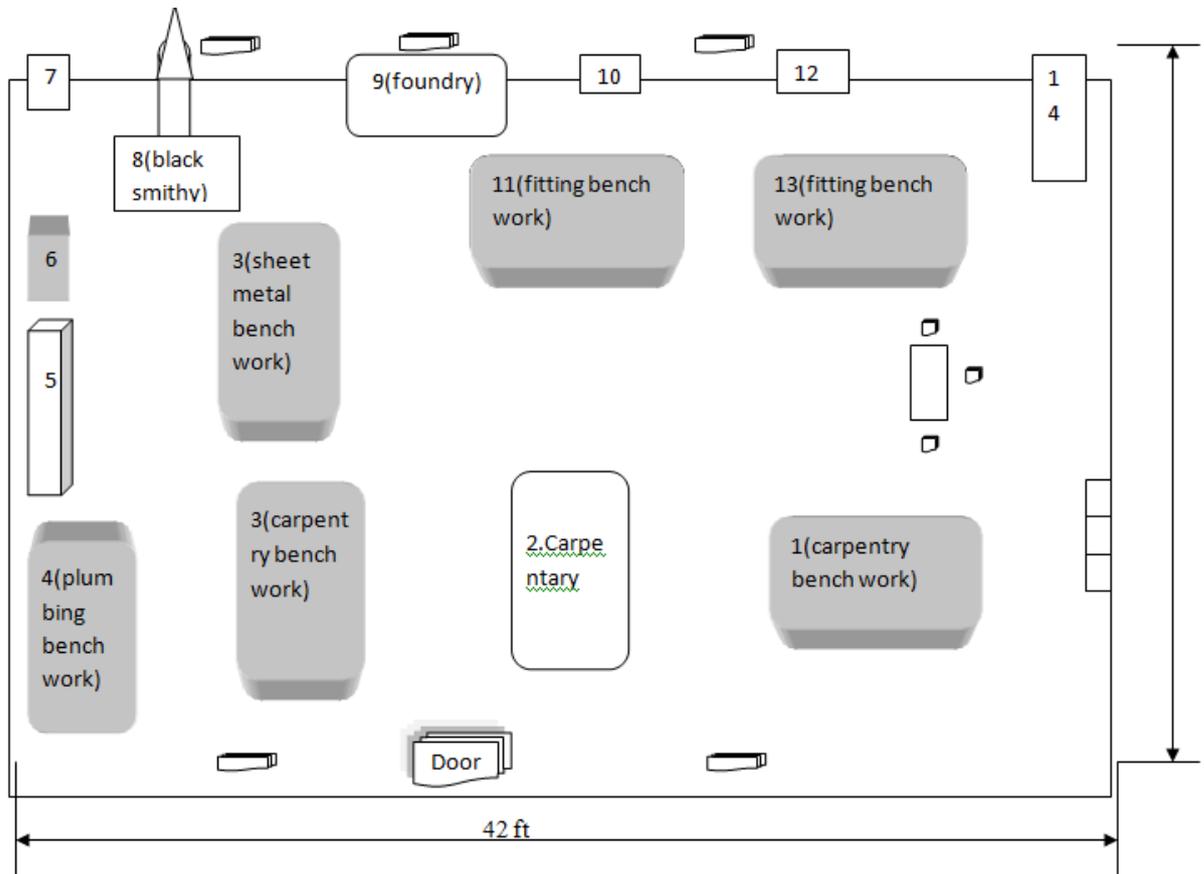
Room no:GF-114





ENGINEERING WORKSHOP LAB -III

Room no:GF-105





Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

Course: B.Tech. - I Year – I Semester (ECE)

SUB Name: ENGINEERING WORKSHOP

SUB CODE: R22MED1124

Students Batches for Lab Experiments setup Cycle chart

ECE-A Section-Batch-A1			
BATCHES	HT No.	Name of the Candidate	REMARKS
Batch-1	22D41A0401	A LIKHITHA	
	22D41A0402	ABBANAGONI TRISHA	
	22D41A0403	ACIREDDY SNEHALATHA	
Batch-2	22D41A0404	AEMME SURYA PRAKASH	
	22D41A0405	AKA SANVITHA	
	22D41A0406	ALUGUBELLI SRAVAN KUMAR REDDY	
Batch-3	22D41A0407	AMARAGONDA VIJAY	
	22D41A0408	AMBADI SHIVAMANI	
	22D41A0409	AMME RAJESH	
Batch-4	22D41A0410	ANANYA BALLALA	
	22D41A0411	ARKA SUNNY BHARGAV	
	22D41A0412	BANOTH GOPICHAND NAYAK	
Batch-5	22D41A0413	BANOTH THARUN KUMAR	
	22D41A0414	BINGI SRUTHI	
	22D41A0415	BODA HARIKA	
Batch-6	22D41A0416	BODDU BHAVITHA	
	22D41A0417	BODDUPALLY SPOORTHI	



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Department of Electronics & Communication Engineering

	22D41A0418	BODOLLA SANDEEP	
Batch-7	22D41A0419	BOMMA PRANAVI	
	22D41A0420	BOPPA SHARVAN	
	22D41A0421	BOTTE ANIL	
Batch-8	22D41A0422	CHAKALI VAMSHI	
	22D41A0423	CHANDANAPU CHANDRA VIKAS	
	22D41A0424	CHELIMANDLA ARAVIND KUMAR	
Batch - 9	22D41A0425	DAMMOJU HARSHITHA	
	22D41A0426	DEVIREDDY HARATHI	
	22D41A0427	DHANAVATH MANJULA	
	22D41A0428	DUMPETA VENKATESH	
Batch 10	22D41A0429	ERAMALLA VIKRANTH GOUD	
	22D41A0430	G ANJALI	
	22D41A0431	G B SHIVA SAI KRISHNA	
	22D41A0432	GADDAM SRIRAM	
	22D41A0433	GANJI MANOJ KUMAR	

ECE-A Section-Batch-A2			
BATCHES	HT No.	Name of the Candidate	REMARKS
Batch-1	22D41A0434	GANJI SAI TEJA	
	22D41A0435	GANNEBOINA AADITYA	
	22D41A0436	GOTTIPATI VENKATESWARLU	
Batch-2	22D41A0437	GUJJETI GANESH KARTHIKEYA	
	22D41A0438	JATAVATH MUNI	
	22D41A0439	JURRU SURESH	
Batch-3	22D41A0440	K SATHISH KUMAR	
	22D41A0441	KADEM MAITHILI	
	22D41A0442	KAMBALAPALLY MANIKANTA REDDY	



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R. Dist

Department of Electronics & Communication Engineering

Batch-4	22D41A0443	KAMSANI NISHITHA	
	22D41A0444	KANCHARLA NANDITHA	
	22D41A0445	KANDURI AKSHAYA REDDY	
Batch-5	22D41A0446	KANUKULA VAMSHI	
	22D41A0447	KANUKULA VARDHAN	
	22D41A0448	KARANGULA ROSHINI	
Batch-6	22D41A0449	KARNATI TEJASWINI	
	22D41A0450	KATAM RAKESH	
	22D41A0451	KATHERAPAKA SNEHA	
Batch-7	22D41A0452	KETHAVATH MOUNIKA	
	22D41A0453	KOMMU SHIVANI	
	22D41A0454	KONGARA RITHIKA	
Batch-8	22D41A0455	KOPPU RAMYASRI	
	22D41A0456	KOPPULA SHIVA KUMAR	
	22D41A0457	KORRA PAVAN KUMAR	
Batch-9	22D41A0458	KOTAPATI SRINIVASULU	
	22D41A0459	KOTHAGOLLA MANASA	
	22D41A0460	KOTHAKAPU JAI ADITYA REDDY	
	22D41A0461	KUNDARAPU BHANU PRASANNA	
Batch-10	22D41A0462	LADE SOWJANYA	
	22D41A0463	LAXMI NAARASIMHA	
	22D41A0464	MADDI MANISHA	

ECE-B Section-Batch-B1			
BATCHES	HT No.	Name of the Candidate	REMARKS
Batch-1	22D41A0465	MADHAGONI RUTHIKA GOUD	



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R. Dist

Department of Electronics & Communication Engineering

	22D41A0466	MADHAGOUNI DIVYA	
	22D41A0467	MALLREDDY ANANYA	
	22D41A0468	MANCHIRYALA MANASWINI	
Batch-2	22D41A0469	MAREDDY NAVEEN REDDY	
	22D41A0470	MAROJU PRAVALIKA	
	22D41A0471	MOHAMMED MATEEN	
Batch-3	22D41A0472	MOHD ABDUL RIYAN	
	22D41A0473	MUDDAM SAI KOUSHIK	
	22D41A0474	MUNUGAPATI SRILAKSHMI	
Batch-4	22D41A0475	NAGILLA SRAVANI	
	22D41A0476	NAGULA KEERTHI	
	22D41A0477	NALLA RANJITH REDDY	
Batch-5	22D41A0478	NALLA SIDDARDHA REDDY	
	22D41A0479	NALLA USHASRI	
	22D41A0480	NALLAVELI KALYAN BABU	
Batch-6	22D41A0481	NARLAGIRI JAGADEESHWAR	
	22D41A0482	NENAVATH PRIYANKA	
	22D41A0483	OGGU AYODHYA	
Batch-7	22D41A0484	PAJJURI HARSHITHA	
	22D41A0485	PALLEPATI SAI SHIVA DIKSHITH	
	22D41A0486	PANDI HARSHITHA	
Batch-8	22D41A0487	PANUGANTI BHARATH	
	22D41A0488	PASUPULA SINDHUJA	
	22D41A0489	PATHULOTHU KRISHNA	
Batch-9	22D41A0490	PEDDAVENA ANVESH	
	22D41A0491	PEDDI ANJALI	
	22D41A0492	PITTALA NANDINI	



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

Batch-10	22D41A0493	POVAKU SHIVANI	
	22D41A0494	PURUSHOTHAM SATHWIK	
	22D41A0495	PUTCHAKAYALA MALLIKARJUNA RAO	
	22D41A0496	PUTTA KAVERI	
	22D41A0497	RAGANAMONI SHIVA SHANKER	
	22D41A0498	RAMADAS HARSHMITHA	

ECE-B Section-Batch-B2			
BATCHES	HT No.	Name of the Candidate	REMARKS
Batch-1	22D41A0499	RAMAVATH NAVEENA	
	22D41A04A0	RAMAVATH RAGHAVENDRA	
	22D41A04A1	RAYAPU SUDHEER REDDY	
	22D41A04A2	SAIPREETAM VINNAKOTA	
Batch-2	22D41A04A3	SANDHYA JUPALLY	
	22D41A04A4	SANUVALA KARTHIK	
	22D41A04A5	SAYNI NITHIN KUMAR	
Batch-3	22D41A04A6	SEELAM SIVA NAGA LAKSHMI	
	22D41A04A7	SHAIK ABID	
	22D41A04A8	SURAM SRIJA	
Batch-4	22D41A04A9	SURAPALLY NANDINI	
	22D41A04B0	TANGALAPALLY NARSAIAH	
	22D41A04B1	TENAGA SAI HANSIKA	
Batch-5	22D41A04B2	THAMMISHETTY SHREEJA	
	22D41A04B3	THANGALLAPALLY AKHILA	
	22D41A04B4	THOKALA SAI CHANDANA	
Batch-6	22D41A04B5	THOTAPALLI SAI SUBRAMANYAM	



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R. Dist

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	22D41A04B6	TIRUGAMALLA MUKESH KUMAR	
	22D41A04B7	TOTAPALLI SUSHMA	
Batch-7	22D41A04B8	TURPU SREEJA	
	22D41A04B9	UDUTHALA RAVI GOUD	
	22D41A04C0	VADDEGONI NAGARAJU	
Batch-8	22D41A04C1	VADLAMUDI VIJAY KUMAR	
	22D41A04C2	VADLAMUDI YASWANTH	
	22D41A04C3	VALIJALA MAHENDER	
Batch-9	22D41A04C4	VANAPOSA KRANTHI KUMAR	
	22D41A04C5	VEGINATI RAVI KUMAR	
	22D41A04C6	VEMIREDDY VENKATA SAHITHI	
Batch-10	22D41A04C7	YADALA SAI	
	22D41A04C8	YERRABOiena VASANTH KUMAR	
	22D41A04C9	PATI SHIVA KUMAR REDDY	
	21D41A0467	B PAVAN	



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

Academic Year: 2022-23 I Semester

Course: B.Tech. - I Year – I Semester (ECE)

SUB Name: ENGINEERING WORKSHOP LAB

SUB CODE: R22MED1124

EWS LAB Occupancy TIME TABLE-Lab-1

TIME/ DAY	9:40am to 10:30am	10:30 am to 11:20am	11:20am to 12:10pm	12:10pm to 12:40pm	12:40pm to 1:30pm	1:30pm to 2:20pm	2:20pm to 3:10pm	3:10pm to 4:00pm
MON				L U N C H				
TUE								
WED		ECE-A						
THUR							ECE-B	
FRI								
SAT								
LAB OCCUPANCY				Ews Lab in charge: B.santhosh kumar				
				Lab-1(GF-105)				
A Section	Faculty Incharge:			B.Santhosh kumar				
	Lab assistant:			Naresh				
B Section	Faculty Incharge:			B.santhosh kumar				
	Lab assistant:			Naresh				

Lab In charge



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

Course: B.Tech. - I Year – I Semester (ECE)

SUB Name: ENGINEERING WORKSHOP LAB

SUB CODE: R22MED1124

EWS lab Occupancy TIME TABLE-Lab-2

Room No : GF-114

TIME/ DAY	9:40am to 10:30am	10:30 am to 11:20am	11:20am to 12:10pm	12:10pm to 12:40pm	12:40pm to 1:30pm	1:30pm to 2:20pm	2:20pm to 3:10pm	3:10pm to 4:00pm
MON				L U N C H				
TUE								
WED		ECE-A						
THUR							ECE-B	
FRI								
SAT								

LAB OCCUPANCY		EWS Lab in charge: D.Dharma
		Lab-2 (GF-114)
A Section	Faculty In charge:	D.Dharma
	Lab assistant:	parmesh
B Section	Faculty In charge:	D.Dharma
	Lab assistant:	parmesh

Lab In charge



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

Engineering Workshop LAB(R22MED1124)- MID MARKS						
S.No	Roll Number					
	Max Marks	1	2	Ave	L P	T
1	22D41A0401	26	27	27	10	37
2	22D41A0402	26	27	27	10	37
3	22D41A0403	23	25	24	10	34
4	22D41A0404	20	22	21	10	31
5	22D41A0405	26	27	27	10	37
6	22D41A0406	25	26	26	10	36
7	22D41A0407	22	24	23	10	33
8	22D41A0408	19	22	21	10	31
9	22D41A0409	21	23	22	10	32
10	22D41A0410	26	27	27	10	37
11	22D41A0411	25	26	26	10	36
12	22D41A0412	22	24	23	10	33
13	22D41A0413	24	26	25	10	35
14	22D41A0414	24	26	25	10	35
15	22D41A0415	26	27	27	10	37
16	22D41A0416	22	25	24	10	34
17	22D41A0417	22	26	24	10	34
18	22D41A0418	26	27	27	10	37
19	22D41A0419	25	27	26	10	36
20	22D41A0420	23	25	24	10	34
21	22D41A0421	22	23	23	10	33
22	22D41A0422	26	26	26	10	36
23	22D41A0423	23	25	24	10	34
24	22D41A0424	24	27	26	10	36
25	22D41A0425	25	26	26	10	36
26	22D41A0426	25	27	26	10	36
27	22D41A0427	25	26	26	10	36



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

28	22D41A0428	25	26	26	10	36
29	22D41A0429	24	25	25	10	35
30	22D41A0430	25	26	26	10	36
31	22D41A0431	22	24	23	10	33
32	22D41A0432	23	25	24	10	34
33	22D41A0433	24	27	26	10	36
34	22D41A0434	23	25	24	10	34
35	22D41A0435	23	26	25	10	35
36	22D41A0436	23	26	25	10	35
37	22D41A0437	23	25	24	10	34
38	22D41A0438	23	26	25	10	35
39	22D41A0439	21	23	22	10	32
40	22D41A0440	21	23	22	10	32
41	22D41A0441	21	26	24	10	34
42	22D41A0442	21	23	22	10	32
43	22D41A0443	23	25	24	10	34
44	22D41A0444	26	27	27	10	37
45	22D41A0445	26	27	27	10	37
46	22D41A0446	23	25	24	10	34
47	22D41A0447	21	23	22	10	32
48	22D41A0448	20	23	22	10	32
49	22D41A0449	23	25	24	10	34
50	22D41A0450	22	23	23	10	33
51	22D41A0451	22	26	24	10	34
52	22D41A0452	23	26	25	10	35
53	22D41A0453	26	27	27	10	37
54	22D41A0454	26	27	27	10	37
55	22D41A0455	26	27	27	10	37
56	22D41A0456	20	22	21	10	31
57	22D41A0457	22	25	24	10	34
58	22D41A0458	22	25	24	10	34
59	22D41A0459	22	25	24	10	34
60	22D41A0460	23	24	24	10	34
61	22D41A0461	26	27	27	10	37
62	22D41A0462	24	26	25	10	35
63	22D41A0463	21	23	22	10	32



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

64	22D41A0464	26	27	27	10	37
65	22D41A0465	24	26	25	10	35
66	22D41A0466	23	25	24	10	34
67	22D41A0467	25	27	26	10	36
68	22D41A0468	25	27	26	10	36
69	22D41A0469	25	26	26	10	36
70	22D41A0470	25	26	26	10	36
71	22D41A0471	22	10	16	Ab	16
72	22D41A0472	24	26	25	10	35
73	22D41A0473	24	26	25	10	35
74	22D41A0474	25	27	26	10	36
75	22D41A0475	26	27	27	10	37
76	22D41A0476	24	26	25	10	35
77	22D41A0477	23	25	24	10	34
78	22D41A0478	23	25	24	10	34
79	22D41A0479	26	27	27	10	37
80	22D41A0480	22	24	23	10	33
81	22D41A0481	24	26	25	10	35
82	22D41A0482	24	26	25	10	35
83	22D41A0483	25	26	26	10	36
84	22D41A0484	25	27	26	10	36
85	22D41A0485	26	26	26	10	36
86	22D41A0486	24	25	25	10	35
87	22D41A0487	24	27	26	10	36
88	22D41A0488	24	27	26	10	36
89	22D41A0489	24	26	25	10	35
90	22D41A0490	23	24	24	10	34
91	22D41A0491	24	25	25	10	35
92	22D41A0492	24	25	25	10	35
93	22D41A0493	26	27	27	10	37
94	22D41A0494	24	26	25	10	35
95	22D41A0495	24	25	25	10	35
96	22D41A0496	23	25	24	10	34
97	22D41A0497	22	25	24	10	34
98	22D41A0498	26	27	27	10	37
99	22D41A0499	26	27	27	10	37



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R. Dist

Department of Electronics & Communication Engineering

100	22D41A04A0	25	26	26	10	36
101	22D41A04A1	25	26	26	10	36
102	22D41A04A2	23	26	25	10	35
103	22D41A04A3	22	27	25	10	35
104	22D41A04A4	22	24	23	10	33
105	22D41A04A5	26	27	27	10	37
106	22D41A04A6	26	27	27	10	37
107	22D41A04A7	26	27	27	10	37
108	22D41A04A8	24	27	26	10	36
109	22D41A04A9	23	25	24	10	34
110	22D41A04B0	22	27	25	10	35
111	22D41A04B1	25	27	26	10	36
112	22D41A04B2	25	27	26	10	36
113	22D41A04B3	21	26	24	10	34
114	22D41A04B4	25	26	26	10	36
115	22D41A04B5	26	26	26	10	36
116	22D41A04B6	22	25	24	10	34
117	22D41A04B7	26	27	27	10	37
118	22D41A04B8	25	27	26	10	36
119	22D41A04B9	23	26	25	10	35
120	22D41A04C0	22	23	23	10	33
121	22D41A04C1	8	24	16	10	26
122	22D41A04C2	25	26	26	10	36
123	22D41A04C3	23	25	24	10	34
124	22D41A04C4	22	24	23	10	33
125	22D41A04C5	23	25	24	10	34
126	22D41A04C6	24	26	25	10	35
127	22D41A04C7	23	23	23	10	33
128	22D41A04C8	24	26	25	10	35
129	22D41A04C9	22	22	22	10	32
130	22D41A0467	8	10	9	7	16
131	21D41A04G2		A	0	A	0



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

Course: B.Tech. - I Year – I Semester (ECE)

BR-22

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution Under 2(f) and 12(B) of UGC Act 1956, New Delhi)

I B.Tech - I Semester – MID –I Examinations

(R22MED1124) ENGINEERING WORKSHOP LAB

(Common to CE,MECH,ECE,AI&DS,AIML,IOT)

D4

Sl.no	Exp No	Questions	CO	BT LEVEL
1	1	To To make a T- lap joint from the given two reapers	CO1	VI
2	2	To To make a Dove Tail- lap joint from the given two reapers	CO1	VI
3	3	To To make a v-fitting from the given two ms pieces	CO2	VI
4	4	To To make a Half round fitting from the given two ms pieces	CO2	VI
5	5	To To prepare T- joint by using arc welding	CO3	VI
6	6	To To prepare Corner joint by using arc welding	CO3	VI
7	7 a	To To give connection to two lights controlled by one switch in series	CO5	III
8	7 b	To To give connection to one light controlled by two –way switches	CO5	III



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

BR-22

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

D4

(An Autonomous Institution Under 2(f) and 12(B) of UGC Act 1956, New Delhi)

I B.Tech - I Semester – Lab MID-II Examinations

(R22MED1124) ENGINEERING WORKSHOP LAB

(Common to CE,MECH,ECE,AI&DS,AIML,IOT)

Sl.no	Exp No	Questions	CO	BT LEVEL
1	1	To To make Rectangular Tray using the given sheet metal	CO2	VI
2	2	To To make Square Tin using the given sheet metal	CO2	VI
3	3	To To make a S-Hook from a given round rod ,by following hand forging operations	CO4	III
4	4	To To make a Square Rod from a given round rod ,by following hand forging operations	CO4	III
5	5	To To prepare Single piece pattern by using the green sand mould	CO3	VI
6	6	To To prepare Split piece pattern by using the green sand mould	CO3	VI



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

BR-22

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

D4

(An Autonomous Institution Under 2(f) and 12(B) of UGC Act 1956, New Delhi)

I B.Tech - I Semester – Lab End Examinations, March-2023

(R22MED1124) ENGINEERING WORKSHOP LAB

(Common to CE,MECH,ECE,AI&DS,AIML,IOT)

Duration: 3 hrs

Max Marks: 60M

Sl.no	Exp No	Questions	CO	BT LEVEL
1	1	To To make a T- lap joint from the given two reapers	CO1	VI
2	2	To To make a Dove Tail- lap joint from the given two reapers	CO1	VI
3	3	To To make a v-fitting from the given two ms pieces	CO2	VI
4	4	To To make a Half round fitting from the given two ms pieces	CO2	VI
5	5	To To prepare T- joint by using arc welding	CO3	VI
6	6	To To prepare Corner joint by using arc welding	CO3	VI
7	7 a	To To give connection to two lights controlled by one switch in series	CO5	III
8	7 b	To To give connection to one light controlled by two –way switches	CO5	III
9	8	To To make Rectangular Tray using the given sheet metal	CO2	VI
10	9	To To make Square Tin using the given sheet metal	CO2	VI
11	10 a	To To make a Square Rod from a given round rod ,by following hand forging operations	CO4	III
12	10 b	To To prepare Single piece pattern by using the green sand mould	CO4	III
13	11	To To make a S-Hook from a given round rod ,by following hand forging operations	CO3	VI



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

14	12	To To make a Square Rod from a given round rod ,by following hand forging operations	CO3	VI
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SUB Name: ENGINEERING WORKSHOP LAB

SUB CODE: R22APH1124

List of Major Equipment (above Rs.10, 000)

S. No.	Name of the Equipments	Quantity
1	POWER HACKSAW	3
2	TABLE CIRCULAR SAW MACHINewith 1.0 HP MOTOR	3
3	WOOD WORKING LATHE	3
4	BENCH DRILLING MACHINE	3
5	WELDING MACHINE	3

Lab In charge



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

Course: B.Tech. - I Year – I Semester (ECE)

SUB Name: ENGINEERING WORKSHOP LAB

SUB CODE: R22MED1124

	Name	Make	Date	Quantity	Unit Cost	Total Cost in Rs.	Installed
1	Carpentry vice	Mek corporation	2/2/2021	15	1950	29250	2/2/2021
2	Vernier calipers	Mek corporation	2/2/2021	3	390	1170	17/2/2021
3	External Micrometer	Mek corporation	2/2/2021	3	390	1170	17/2/2021
4	Bench vice	Mek corporation	2/2/2021	15	3450	17250	2/2/2021
5	Power hacksaw	Mek corporation	2/2/2021	3	26500	79500	2/2/2021
6	Surface plate	Mek corporation	2/2/2021	3	2950	8850	2/2/2021
7	Angle plate	Mek corporation	2/2/2021	3	1080	3240	2/8/2021
8	Vernier height gauge	Mek corporation	2/2/2021	3	3950	11850	17/2/2021
9	Spirit level	Mek corporation	2/2/2021	3	296	2664	17/2/2021
10	Grinding Machine	Mek corporation	2/2/2021	3	2350	7050	2/2/2021
11	Bench shear machine	Mek corporation	2/2/2021	3	2780	8340	2/2/2021
12.	Leg vice	Mek corporation	2/2/2021	3	3250	9750	2/2/2021
13	Stakes	Mek corporation	2/2/2021	12	780	9360	17/2/2021
14	Anvil	Mek corporation	2/2/2021	3	5150	15450	2/2/2021
15	Swage block	Mek corporation	2/2/2021	3	5150	15450	2/2/2021



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

16	Blower with Smith's hearth(Black smithy)	Mek corporation	2/2/2021	3	6500	19500	2/2/2021
17	Wooden wiring boards	Mek corporation	2/2/2021	3	200	600	17/2/2021
18	Bulb holders	Mek corporation	2/2/2021	15	20	300	17/2/2021
19	Switch boards	Mek corporation	2/2/2021	3	30	90	19/3/2021
20	Bulbs	Mek corporation	2/2/2021	15	15	225	17/2/2021
21	Foundry Lab	Mek corporation	2/2/2021	3	18600	55800	17/2/2021
22	Welding machine	Mek corporation	2/2/2021	3	5500	16500	2/2/2021
23	Pipe vice	Mek corporation	2/2/2021	3	980	2940	2/2/2021
24	Bench drilling machine	Mek corporation	2/2/2021	3	9100	27300	2/2/2021
Total: 343599							

List of Equipments for the Engineering workshop Laboratory As on 1st JULY 2019



Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist

Department of Electronics & Communication Engineering

Lab In charge

Course: B.Tech. - I Year – I Semester (ECE)

SUB Name: ENGINEERING WORKSHOP LAB

SUB CODE: R22MED1124

List of Labeling /Number Code of the equipment:

SICET/MED/EWS/CPVICE/1-15	SICET/MED/EWS/CPVICE/2-15
SICET/MED/EWS/CPVICE/3-15	SICET/MED/EWS/CPVICE/4-15
SICET/MED/EWS/CPVICE/5-15	SICET/MED/EWS/CPVICE/6-15
SICET/MED/EWS/CPVICE/7-15	SICET/MED/EWS/CPVICE/8-15
SICET/MED/EWS/CPVICE/9-15	SICET/MED/EWS/CPVICE/10-15
SICET/MED/EWS/CPVICE/11-15	SICET/MED/EWS/CPVICE/12-15
SICET/MED/EWS/CPVICE/13-15	SICET/MED/EWS/CPVICE/14-15
SICET/MED/EWS/CPVICE/15-15	SICET/MED/EWS/VCALIPERS/1-3
SICET/MED/EWS/VCALIPERS/2-3	SICET/MED/EWS/VCALIPERS/3-3
SICET/MED/EWS/EM/1-3	SICET/MED/EWS/EM/2-3
SICET/MED/EWS/EM/3-3	SICET/MED/EWS/BNVICE/1-15
SICET/MED/EWS/BNVICE/2-15	SICET/MED/EWS/BNVICE/3-15
SICET/MED/EWS/BNVICE/4-15	SICET/MED/EWS/BNVICE/5-15
SICET/MED/EWS/BNVICE/6-15	SICET/MED/EWS/BNVICE/7-15
SICET/MED/EWS/BNVICE/8-15	SICET/MED/EWS/BNVICE/9-15
SICET/MED/EWS/BNVICE/10-15	SICET/MED/EWS/BNVICE/11-15
SICET/MED/EWS/BNVICE/12-15	SICET/MED/EWS/BNVICE/13-15
SICET/MED/EWS/BNVICE/14-15	SICET/MED/EWS/BNVICE/15-15
SICET/MED/EWS/PHS/1-3	SICET/MED/EWS/PHS/2-3
SICET/MED/EWS/PHS/3-3	SICET/MED/EWS/SUPLATE/1-3
SICET/MED/EWS/SUPLATE/2-3	SICET/MED/EWS/SUPLATE/3-3
SICET/MED/EWS/AVPLATE/1-3	SICET/MED/EWS/AVPLATE/2-3
SICET/MED/EWS/AVPLATE/3-3	SICET/MED/EWS/VHGAUGE/1-3
SICET/MED/EWS/VHGAUGE/2-3	SICET/MED/EWS/VHGAUGE/3-3
SICET/MED/EWS/SPIRITLEVEL/1-3	SICET/MED/EWS/SPIRITLEVEL/2-3
SICET/MED/EWS/SPIRITLEVEL/3-3	SICET/MED/EWS/BSM/2-3
SICET/MED/EWS/GRINDING MAH/1-3	SICET/MED/EWS/LEGVICE/1-3
SICET/MED/EWS/GRINDING MAH/2-3	SICET/MED/EWS/LEGVICE/3-3
SICET/MED/EWS/GRINDING MAH/3-3	SICET/MED/EWS/STAKES/2-12
SICET/MED/EWS/BSM/1-3	SICET/MED/EWS/STAKES/4-12
SICET/MED/EWS/BSM/3-3	SICET/MED/EWS/STAKES/6-12
SICET/MED/EWS/LEGVICE/2-3	SICET/MED/EWS/STAKES/8-12
SICET/MED/EWS/STAKES/1-12	SICET/MED/EWS/STAKES/10-12
SICET/MED/EWS/STAKES/3-12	SICET/MED/EWS/STAKES/12-12



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SICET/MED/EWS/STAKES/5-12	SICET/MED/EWS/WWB/2-3
SICET/MED/EWS/STAKES/7-12	SICET/MED/EWS/BULB HOIDERS/1-15
SICET/MED/EWS/STAKES/9-12	SICET/MED/EWS/BULB HOIDERS/3-15
SICET/MED/EWS/STAKES/11-12	SICET/MED/EWS/BULB HOIDERS/5-15
SICET/MED/EWS/ANV/1-3	SICET/MED/EWS/BULB HOIDERS/7-15
SICET/MED/EWS/ANV/2-3	SICET/MED/EWS/BULB HOIDERS/9-15
SICET/MED/EWS/ANV/3-3	SICET/MED/EWS/BULB HOIDERS/11-15
SICET/MED/EWS/SBLOCK/1-3	SICET/MED/EWS/BULB HOIDERS/13-15
SICET/MED/EWS/SBLOCK/2-3	SICET/MED/EWS/BULB HOIDERS/15-15
SICET/MED/EWS/SBLOCK/3-3	SICET/MED/EWS/SWITCH BOARDS/2-3
SICET/MED/EWS/AB/1-3	SICET/MED/EWS/FOUNDRY LAB/1-3
SICET/MED/EWS/AB/2-3	SICET/MED/EWS/FOUNDRY LAB/3-3
SICET/MED/EWS/AB/3-3	SICET/MED/EWS/WM/2-3
SICET/MED/EWS/WWB/1-3	SICET/MED/EWS/PIPE VICE/1-3
SICET/MED/EWS/WWB/3-3	SICET/MED/EWS/PIPE VICE/3-3
SICET/MED/EWS/BULB HOIDERS/2-15	SICET/MED/EWS/BDM/2-3
SICET/MED/EWS/BULB HOIDERS/4-15	SICET/MED/EWS/BULBS/1-3
SICET/MED/EWS/BULB HOIDERS/6-15	SICET/MED/EWS/BULBS/3-3
SICET/MED/EWS/BULB HOIDERS/8-15	
SICET/MED/EWS/BULB HOIDERS/10-15	
SICET/MED/EWS/BULB HOIDERS/12-15	
SICET/MED/EWS/BULB HOIDERS/14-15	
SICET/MED/EWS/SWITCH BOARDS/1-3	
SICET/MED/EWS/SWITCH BOARDS/3-3	
SICET/MED/EWS/FOUNDRY LAB/2-3	
SICET/MED/EWS/WM/1-3	
SICET/MED/EWS/WM/3-3	
SICET/MED/EWS/PIPE VICE/2-3	
SICET/MED/EWS/BDM/1-3	
SICET/MED/EWS/BDM/3-3	
SICET/MED/EWS/BULBS/2-3	

Lab In charge



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ENGINEERING WORKSHOP LAB

DO's

1. Conduct in a responsible manner at all times in the laboratory.
2. Keep the work area clean, neat and free of any unnecessary objects.
3. Read the description, procedure and precautions of the experiment in the lab manual.
4. Place all sensitive electronic equipment safely on experimental table.
5. Before using the equipment one must read the labels and instructions carefully.
6. Set up and use the equipment as directed by the lab instructor.
7. Circuit connections are to be done only in power off mode.
8. Checkout the circuit connections before switching on the power.
9. Increase the power readings from minimum to maximum.
10. All procedures and experimental data should be recorded in the lab observation notebook.
11. Switch of the power in the circuit after completion of the experiment.
12. Any failure / break-down of equipment must be reported to the instructor.
13. Return the material properly after the completing the experiment.
14. Replace the materials in proper place after work.
15. Be careful when handling optical items like prisms, gratings etc.

DON'Ts

1. Do not wear loose clothing and do not hold any conducting materials in contact with skin when the power is on.
2. Do not touch any equipment or other materials in the laboratory area until instructed by instructor.
3. Do not modify or damage the laboratory equipment in any way unless the modification is directed by the instructor.
4. Do not handle electrical equipment and connections with wet hands.
5. Do not try to connect power in to the circuit without proper understanding of the circuit diagram.
6. Do not look directly into laser source.
7. Do not short any battery box or power supply, it may damage retina in your eye.
8. Never switch on the power button of the circuit until it has been approved by instructor.

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ENGINEERING WORKSHOP LAB - 1

INVENTORY LIST:

S.No	Name of the inventory item	Quantity
1	College vision and mission board	1
2	Department vision and mission board	1
3	List of equipment's board	1
4	Types of electrical switches board	1
5	Tube lights	2
6	Fans	4
7	Safety guide line board	1
8	Program educational outcomes board	1
9	Program outcomes board	1
10	Notice board	1

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ENGINEERING WORKSHOP LAB - 2

INVENTORY LIST:

S.No	Name of the inventory item	Quantity
1	College vision and mission board	1
2	Department vision and mission board	1
3	List of equipment's board	1
4	Types of electrical switches board	1
5	Tube lights	2
6	Fans	4
7	Safety guide line board	1
8	Program educational outcomes board	1
9	Program outcomes board	1
10	Notice board	1

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ENGINEERING WORKSHOP LAB - 3

INVENTORY LIST:

S.No	Name of the inventory item	Quantity
1	College vision and mission board	1
2	Department vision and mission board	1
3	List of equipment's board	1
4	Types of electrical switches board	1
5	Tube lights	2
6	Fans	4
7	Safety guide line board	1
8	Program educational outcomes board	1
9	Program outcomes board	1
10	Notice board	1

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