



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

Department of Artificial Intelligence & Data Science Engineering

DEPARTMENT OF

MECHANICAL ENGINEERING

ENGINEERING WORKSHOP COURSE FILE

Branch: AI&DS

Class: B.Tech- I Year-I sem

Subject: ENGINEERING WORKSHOP LAB

Code: R22MED1124

Academic Year: 2022-2023

Regulation: R22

Core/Elective/H&S:MECH

Credits: 2.5

Prepared By

Name: MD.GOUSE

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 Artificial Intelligence & Data Science 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 Artificial Intelligence & Data Science Engineering

DEPARTMENT VISION

. To be a technologically adaptive centre for computing by grooming the students as top notch professionals.

DEPARTMENT MISSION

The Department has following Missions:

DM₁ .To offer quality education in computing.

DM₂ To provide an environment that enables overall development of all the stakeholders.

DM₃ To impart training on emerging technologies .

DM₄ . To encourage participation of stakeholders in Research and Development.

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Head of the Department



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.
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 apply the knowledge of Software Engineering, Data Communication, Web Technology and Operating Systems for building IOT and Cloud Computing applications.
PSO 2	Design, develop and test software systems for worldwide network of computers to provide solutions to real world Problems.
PSO 3	Analyze and recommend the appropriate IT infrastructure required for the implementation of a project

Head of the Department



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

Department of Artificial Intelligence & Data Science Engineering

Program Educational Objectives (PEOs)

Program: B. Tech – Artificial intelligence & Data Science 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 Artificial intelligence & data science 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. –ARTIFICIAL INTELLIGENCE & DATA SCIENCE

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution under UGC, New Delhi)

B.Tech. - I Year – I Semester

L T P C
0 1 3 2.5

(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 right attitude, team working, precision and safety at workplace.
- 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.
- Introduction to Black Smithy : Tools and equipment used in the Black Smithy, Forging Temperatures of metals.



BR22 – B.TECH. –ARTIFICIAL INTELLIGENCE & DATA SCIENCE

- 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 Wood Working

TEXTBOOKS:

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

REFERENCE BOOKS:

1. Workshop 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	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO1 2	PSO 1	PSO 2	PSO 3
	PO1	PO2	PO3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO1 2	PSO 1	PSO 2	PSO 3
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 Artificial Intelligence & Data Science Engineering

ACADEMIC CALENDAR 2022-2023



SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution under UGC, New Delhi)
Recognized under 2(f) 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			

V. ACE
ACE

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S. DEAN
DEAN

S. PRINCIPAL
PRINCIPAL

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 Artificial Intelligence & Data Science Engineering

Academic year: 2022-2023

SUB NAME:ENGINEERING WORKSHOP

SUB CODE: R22MED1124

TIME TABLE

Course: B.Tech. - I Year – I Semester

Branch/Section: AI&DS-A



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

I B.Tech I Semester AI&DS- A - TIME TABLE 2022-23

ROOM NO: F-103

w.e.f: 10-11-2022

Time/Day	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	AP		← EWS →		
TUE	PPS	AP	COUNS		EWS	AP	ESE
WED	← AP LAB →				M&C	AP	PPS
THU	← ELCS LAB →				M&C	PPS	ESE
FRI	← PPS LAB →				M&C	PPS	AP
SAT	M&C	PPS	ESE		← Elements of CSE →		

COURSE CODE	COURSE NAME	FACULTY NAME
M&C	Matrices And Calculus	S Praveen Kumar
AP	Applied Physics	S Ramu
PPS	Programming for Problem Solving	
EWS	Engineering Workshop	Md Ghouse
ESE	English for Skill Enhancement	K Sai Kumar
Elements of CSE	Elements of Computer Science & Engineering	Dr.Adeline Johnsana.J.S
AP LAB	Applied Physics Laboratory	S Ramu
PPS LAB	Programming for Problem Solving Laboratory	
ELCS LAB	English Language and Communication Skills Laboratory	K Sai Kumar
COUNS	Counseling	
CLASS COORDINATOR: S Praveen Kumar		TIME TABLE INCHARGE: S Ramu

Head of the Department

Principal



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

Department of Artificial Intelligence & Data Science Engineering

Course: B.Tech. - I Year – I Semester

Branch/Section: AI&DS-B



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

I.B.Tech I Semester AI&DS- B - TIME TABLE 2022-23

ROOM NO: F-104

w.e.f: 10-11-2022

Time/Day	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	← PPS LAB →				AP	PPS	M&C
TUE	ESE	M&C	PPS		← AP LAB →		
WED	PPS	ESE	M&C		← Elements of CSE →		
THU	AP	ESE	M&C		← ELCS LAB →		
FRI	← EWS →				PPS	AP	COUNS
SAT	ESE	AP	AP		M&C	PPS	EWS

COURSE CODE	COURSE NAME	FACULTY NAME
M&C	Matrices And Calculus	S Praveen Kumar
AP	Applied Physics	Dr P Anand
PPS	Programming for Problem Solving	
EWS	Engineering Workshop	Md Ghouse
ESE	English for Skill Enhancement	JD Beulah
Elements of CSE	Elements of Computer Science & Engineering	Dr.Adeline Johnsana.J.S
AP LAB	Applied Physics Laboratory	Dr P Anand
PPS LAB	Programming for Problem Solving Laboratory	
ELCS LAB	English Language and Communication Skills Laboratory	JD Beulah
COUNS	Counseling	
CLASS COORDINATOR: S Praveen Kumar		TIME TABLE INCHARGE: S Ramu

Head of the Department

Principal

TIME	09:40am To 10:30am	10:30am To 11:20pm	11:20am To 12:10pm	L U N C H	12:40pm To 1:45pm	1:45pm To 2:50pm	2:50pm To 4:00pm	
DAY	1	2	3		4	5	6	
MON								
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 Artificial Intelligence & Data Science Engineering

Academic year: 2022-2023

Course: B.Tech. - I Year – I Semester (AI&DS)

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 Artificial Intelligence & Data Science Engineering

Course: B.Tech. - I Year – I Semester (AI&DS)

SUB Name: ENGINNERING 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 Artificial Intelligence & Data Science Engineering

Course: B.Tech. - I Year – I Semester (AI&DS)

SUB Name: ENIGERRING WORKSHOP

SUB CODE: R22MED1124

Lab Experiments setup Cycle chart

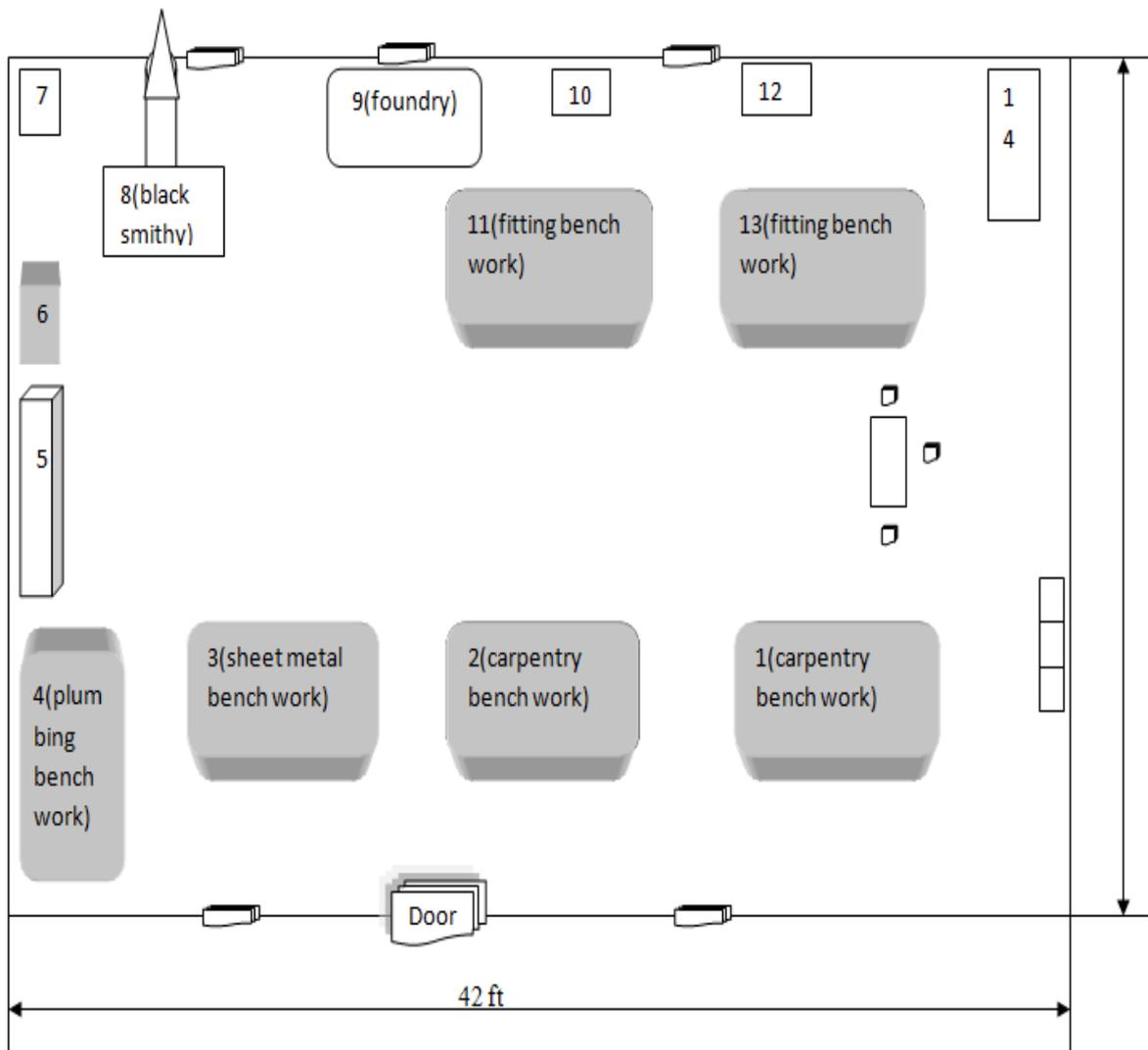
Week batch	week-1	week-2	week-3	week-4	week-5	week-6	week-7	week-8	week-9	week-10	week-11	week-12
Batch-1	Ex-1	Ex-2	Ex-3	Ex-4	Ex-5	Ex-6	Ex-7	Ex-8	Ex-9	Ex-10	Ex-11	Ex-12
Batch-2	Ex-12	Ex-1	Ex-2	Ex-3	Ex-4	Ex-5	Ex-6	Ex-7	Ex-8	Ex-9	Ex-10	Ex-11
Batch-3	Ex-11	Ex-12	Ex-1	Ex-2	Ex-3	Ex-4	Ex-5	Ex-6	Ex-7	Ex-8	Ex-9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



Engineering Workshop Lab -I

Room no:GF-116



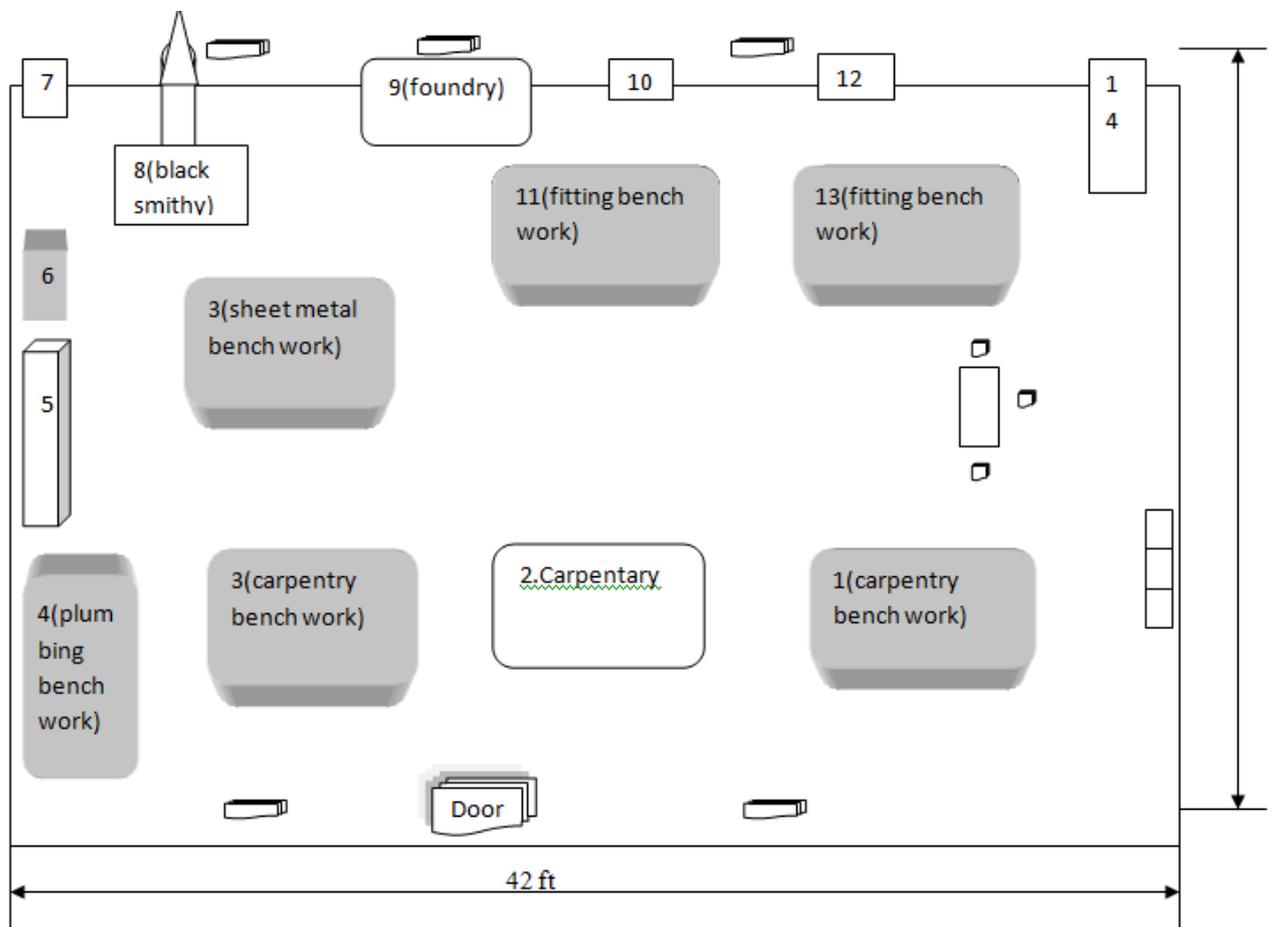


Sri Indu College of Engineering & Technology: Sheriguda (V), R.R.Dist

Department of Artificial Intelligence & Data Science Engineering

Engineering Workshop Lab -II

Room no: GF-114



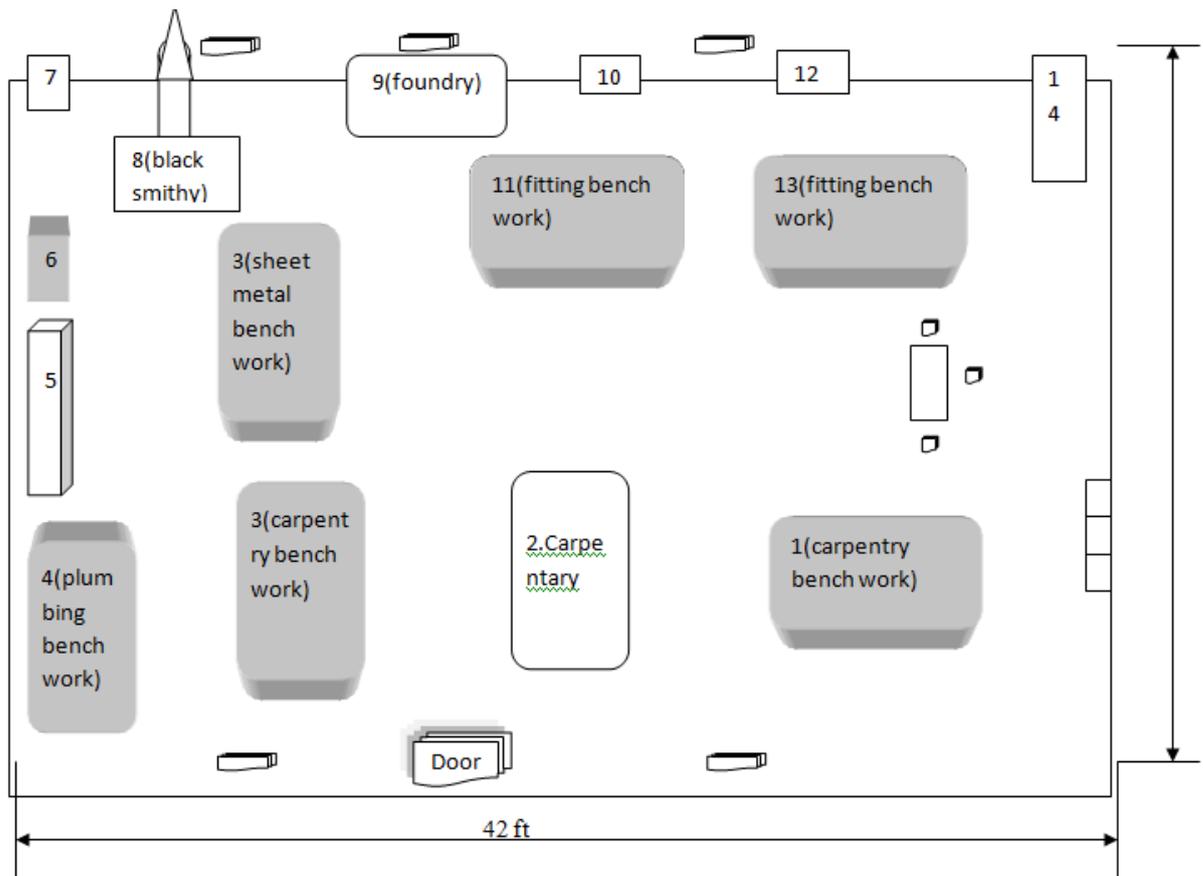


Sri Indu College of Engineering & Technology: Sheriguda (V), R.R.Dist

Department of Artificial Intelligence & Data Science Engineering

Engineering Workshop Lab -III

Room no: GF-105





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

Department of Artificial Intelligence & Data Science Engineering

Course: B.Tech. - I Year – I Semester (AI&DS)

SUB Name: ENGINEERING WORKSHOP

SUB CODE: R22MED1124

Students Batches for Lab Experiments setup Cycle chart

AIDS-A Section-Batch-A1			
BATCHES	HT No.	Name of the Candidate	REMARKS
Batch-1	22D41A7201	AELURI SAI ASHRITH	
	22D41A7202	AINENI KARTHIK	
	22D41A7203	AREDLA POOJITHA	
Batch-2	22D41A7204	BADAVATH VEERANNA	
	22D41A7205	BADETI SAI	
	22D41A7206	BALAPURI VAMSHI	
Batch-3	22D41A7207	BANDARI SHIVA KUMAR	
	22D41A7208	BATHULA MADHUNIKA	
	22D41A7209	BIKUMALLA INDHUJA	
Batch-4	22D41A7210	BM EXCEL BLAZE	
	22D41A7211	BODLA SRUTHIK	
	22D41A7212	BOMMIREDDY SANDHYA REDDY	
Batch-5	22D41A7213	BONAGIRI SAI SETHU	
	22D41A7214	BONDADA PRASAD	
	22D41A7215	BUSHIPAKA SHIVA RAMA RAJU	
Batch-6	22D41A7216	CHATTU MADHU	
	22D41A7217	CHICKLI RAHEEM BASHA	
	22D41A7218	CHIKONDRA SAIKIRAN	
Batch-7	22D41A7219	CHINNA DASARI RAGHAVENDER	



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	22D41A7220	CHIRRA JAYAVARDHAN	
	22D41A7221	CHITHALURI VINAY KUMAR	
Batch-8	22D41A7222	CHITUMALLA ANUDEEP	
	22D41A7223	DENDI SATHWIK REDDY	
	22D41A7224	DEVANA ARUN	
Batch - 9	22D41A7225	DOMA VAISHNAVI	
	22D41A7226	DOTI POOJA	
	22D41A7227	EKBOTE PRANOOSHA	
	22D41A7228	GADDAM ARCHANA	
Batch 10	22D41A7229	GADDIKOPULA ROHITH	
	22D41A7230	GADUDHULA DEEPIKA	
	22D41A7231	GANGADHARA VIVEK KUMAR	
	22D41A7232	GARLAPATI MANITEJA	
	22D41A7233	GATTUPALLI SAI TANMAYEE	

AIDS-A Section-Batch-A2

BATCHES	HT No.	Name of the Candidate	REMARKS
Batch-1	22D41A7234	GOGULA ANJIBABU	
	22D41A7235	GUDAVARTHI SUSHEEL	
	22D41A7236	GUDIPATI NIKITHA	
Batch-2	22D41A7237	GUMMADAPU SAI DHRUVA KUMAR	
	22D41A7238	GUNDE MAHESHWARI	
	22D41A7239	GUNDU BHAVANI	
Batch-3	22D41A7240	GUNTI ANISH KUMAR	
	22D41A7241	GURRAM PRADEEP	
	22D41A7242	GURRAM SREEJA TANMAI	
Batch-4	22D41A7243	GUTHA SHRAVAN KUMAR REDDY	



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	22D41A7244	GUTTULA YASHWANTH KUMAR	
	22D41A7245	JAJEEMOGALA SRINIVAS	
Batch-5	22D41A7246	JALA THIRUMAL	
	22D41A7247	JINUKUNTLA AKHIL KUMAR	
	22D41A7248	JUMBARTHI HEMANTH	
Batch-6	22D41A7249	KALAGARA MOKSHA	
	22D41A7250	KALAGONI VAISHNAVI	
	22D41A7251	KANDGOLE SADASHIV	
Batch-7	22D41A7252	KARRE SHIVA PRIYA	
	22D41A7253	KASARLA SAKSHITH	
	22D41A7254	KATHE NEELAVARDHAN	
Batch-8	22D41A7255	KATTA KARUNAKAR EPHRAIM NOAH KEVIN	
	22D41A7256	KAVETI KUNDAVI	
	22D41A7257	KESHINI ROSHINI	
Batch-9	22D41A7258	KOLA RAKESH	
	22D41A7259	KOLUKULAPALLI PRIYANKA	
	22D41A7260	KOTAVENUKA TEJASWINI	
	22D41A7261	KOTHA RISHIKA	
Batch-10	22D41A7262	KOVVURI YASHWANTH	
	22D41A7263	KUKKALA DILEEP KUMAR	
	22D41A7264	MACHARLA AMRUTHA VARSHINI	

AIDS-B Section-Batch-B1			
BATCHES	HT No.	Name of the Candidate	REMARKS
Batch-1	22D41A7265	MADHINI VISHAL REDDY	



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	22D41A7266	MADUGULA SUMALATHA	
	22D41A7267	MAKKALA GOPINADH	
	22D41A7268	MANAPATI LOKESH	
Batch-2	22D41A7269	MANCHI LEKHA	
	22D41A7270	MANDALA PARAMESH	
	22D41A7271	MASETTI KEERTHANA	
Batch-3	22D41A7272	MATHANGI DILEEP	
	22D41A7273	MENDE GOPI	
	22D41A7274	MERUGU VAISHNAVI	
Batch-4	22D41A7275	MODDU YASHWANTH REDDY	
	22D41A7276	MUKKERA MOHAN	
	22D41A7277	MUTHYALA VARA LAXMI	
Batch-5	22D41A7278	MUTHYAM GANESH KUMAR RAJU	
	22D41A7279	MYSORE SRIDHAR	
	22D41A7280	N MANEESHA	
Batch-6	22D41A7281	N SHIVA	
	22D41A7282	N VISHNU	
	22D41A7283	NANDYALA MANOJ KUMAR	
Batch-7	22D41A7284	NEELA SWARNA SREE	
	22D41A7285	NETHI HARINI	
	22D41A7286	NITTA MALLESH	
Batch-8	22D41A7287	NUNNAGOPULA GOPI	
	22D41A7288	ORUGANTI PRASHANTH	
	22D41A7289	PAGIDALA BHARGAV	
Batch-9	22D41A7290	PALAKURTHI GOPI	



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	22D41A7291	PALLE SANJANA	
	22D41A7292	PALLE SATHVIKA	
Batch-10	22D41A7293	PARNE NIHARIKA	
	22D41A7294	PENDYALA VIVEKANANDA	
	22D41A7295	PESARIKAYALA HANVITHA	
AIDS-B Section-Batch-B2			
BATCHES	HT No.	Name of the Candidate	REMARKS
Batch-1	22D41A7296	PONNALA SHIVACHARAN	
	22D41A7297	POTHULAPALLY THARAKESH SAGAR	
	22D41A7298	POTTI VYSHNAVI	
	22D41A7299	PUCHAKAYALA ARUN REDDY	
Batch-2	22D41A72A0	RATHOD MOUNIKA	
	22D41A72A1	SAI KIRAN KATTA	
	22D41A72A2	SAINI PRAVEEN KUMAR	
Batch-3	22D41A72A3	SAJEED	
	22D41A72A4	SANGIREDDY NALANDA	
	22D41A72A5	SARANGI BHAVYA	
Batch-4	22D41A72A6	SHAIK HAMAD	
	22D41A72A7	SHAIK SOHEL	
	22D41A72A8	SHAIK ZAHEER	
Batch-5	22D41A72A9	SILVERU CHETAN	
	22D41A72B0	SIRIGIRI JAHANGEER	
	22D41A72B1	SIRIKONDA RACHANA	
Batch-6	22D41A72B2	SUMAN ARYA DHAULAGAR	
	22D41A72B3	THALLAPALLI SAI THARUN	
	22D41A72B4	THATIPAMULA AKSHAYA	



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

Department of Artificial Intelligence & Data Science Engineering

Batch-7	22D41A72B5	THATIPARTHI VENKATA PRATHAP REDDY	
	22D41A72B6	THIRAMDAS AKHILA	
	22D41A72B7	THOTA HARI PRANEETH	
Batch-8	22D41A72B8	TOOKALA SANJANA AKSHITHA	
	22D41A72B9	UMANG AGARWAL	
	22D41A72C0	VANGALA RAVI VARMA	
Batch-9	22D41A72C1	VARKALA NAGENDAR REDDY	
	22D41A72C2	VISLAVATH PRAVEEN NAYAK	
	22D41A72C3	VOOTUKURI SHASHI KUMAR	
Batch-10	22D41A72C4	YADLA SHARAN DEEKSHITH REDDY	
	22D41A72C5	YELDANDA SAMEERA REDDY	
	22D41A72C6	YEMREDDY SREEJA	
	22D41A72C7	YERRA SUNIL REDDY	



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

Department of Artificial Intelligence & Data Science Engineering

Academic Year: 2022-23 I Semester

Course: B.Tech. - I Year – I Semester (AI&DS)

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			AI&DS-A	
TUE								
WED								
THUR								
FRI		AI&DS-B						
SAT								
LAB OCCUPANCY					Ews Lab in charge: B.santhosh kumar			
				Lab-1(GF-105)				
A Section	Faculty Incharge:		MD.gouse					
	Lab assistant:		Naresh					
B Section	Faculty Incharge:		MD.gouse					
	Lab assistant:		Naresh					

Lab In charge



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

Department of Artificial Intelligence & Data Science Engineering

Course: B.Tech. - I Year – I Semester (AI&DS)

SUB Name: ENGINEERING WORKSHOP

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		AI&DS-A		
TUE								
WED								
THUR								
FRI	AI&DS-B							
SAT								

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

Lab In charge



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

Department of Artificial Intelligence & Data Science Engineering

Engineering Workshop LAB(R22MED1124)- MID MARKS

S.No	Roll Number					
	Max Marks	1	2	Ave	L P	T
1	22D41A7201	29	29	29	10	39
2	22D41A7202	27	26	27	10	37
3	22D41A7203	29	29	29	10	39
4	22D41A7204	8	5	6.5	6	13
5	22D41A7205	28	28	28	10	38
6	22D41A7206	26	29	28	10	38
7	22D41A7207	29	28	29	10	39
8	22D41A7208	28	28	28	10	38
9	22D41A7209	25	27	26	10	36
10	22D41A7210	29	29	29	10	39
11	22D41A7211	26	28	27	10	37
12	22D41A7212	27	27	27	10	37
13	22D41A7213	25	26	26	10	36
14	22D41A7214	28	28	28	10	38
15	22D41A7215	28	28	28	10	38
16	22D41A7216	26	25	26	10	36
17	22D41A7217	28	26	27	10	37
18	22D41A7218	27	27	27	10	37
19	22D41A7219	29	27	28	10	38
20	22D41A7220	28	27	28	10	38
21	22D41A7221	27	26	27	10	37
22	22D41A7222	28	27	28	10	38
23	22D41A7223	26	25	26	10	36
24	22D41A7224	26	25	26	10	36
25	22D41A7225	28	29	29	10	39
26	22D41A7226	28	28	28	10	38
27	22D41A7227	26	26	26	10	36
28	22D41A7228	26	25	26	10	36



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

Department of Artificial Intelligence & Data Science Engineering

29	22D41A7229	29	28	29	10	39
30	22D41A7230	26	26	26	10	36
31	22D41A7231	27	27	27	10	37
32	22D41A7232	28	25	27	10	37
33	22D41A7233	27	25	26	10	36
34	22D41A7234	27	24	26	10	36
35	22D41A7235	28	27	28	10	38
36	22D41A7236	28	27	28	10	38
37	22D41A7237	29	28	29	10	39
38	22D41A7238	28	29	29	10	39
39	22D41A7239	28	29	29	10	39
40	22D41A7240	29	28	29	10	39
41	22D41A7241	28	28	28	10	38
42	22D41A7242	27	24	26	10	36
43	22D41A7243	27	25	26	10	36
44	22D41A7244	26	26	26	10	36
45	22D41A7245	28	28	28	10	38
46	22D41A7246	24	25	25	10	35
47	22D41A7247	28	27	28	10	38
48	22D41A7248	26	23	25	10	35
49	22D41A7249	27	28	28	10	38
50	22D41A7250	27	27	27	10	37
51	22D41A7251	28	29	29	10	39
52	22D41A7252	28	28	28	10	38
53	22D41A7253	24	26	25	10	35
54	22D41A7254	24	25	25	10	35
55	22D41A7255	27	28	28	10	38
56	22D41A7256	28	28	28	10	38
57	22D41A7257	28	28	28	10	38
58	22D41A7258	27	26	27	10	37
59	22D41A7259	27	26	27	10	37
60	22D41A7260	27	28	28	10	38
61	22D41A7261	27	28	28	10	38
62	22D41A7262	28	28	28	10	38
63	22D41A7263	27	24	26	10	36
64	22D41A7264	29	29	29	10	39



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

Department of Artificial Intelligence & Data Science Engineering

65	22D41A7265	29	28	29	10	39
66	22D41A7266	29	7	18	7	25
67	22D41A7267	29	28	29	10	39
68	22D41A7268	29	29	29	10	39
69	22D41A7269	26	28	27	10	37
70	22D41A7270	26	25	26	10	36
71	22D41A7271	29	29	29	10	39
72	22D41A7272	28	27	28	10	38
73	22D41A7273	26	27	27	10	37
74	22D41A7274	28	29	29	10	39
75	22D41A7275	27	27	27	10	37
76	22D41A7276	26	25	26	10	36
77	22D41A7277	28	26	27	10	37
78	22D41A7278	27	26	27	10	37
79	22D41A7279	28	28	28	10	38
80	22D41A7280	27	28	28	10	38
81	22D41A7281	27	27	27	10	37
82	22D41A7282	25	24	25	10	35
83	22D41A7283	26	26	26	10	36
84	22D41A7284	27	28	28	10	38
85	22D41A7285	28	28	28	10	38
86	22D41A7286	27	26	27	10	37
87	22D41A7287	28	28	28	10	38
88	22D41A7288	27	26	27	10	37
89	22D41A7289	27	27	27	10	37
90	22D41A7290	25	25	25	10	35
91	22D41A7291	26	27	27	10	37
92	22D41A7292	26	26	26	10	36
93	22D41A7293	29	29	29	10	39
94	22D41A7294	29	26	28	10	38
95	22D41A7295	27	26	27	10	37
96	22D41A7296	29	29	29	10	39
97	22D41A7297	25	25	25	10	35
98	22D41A7298	27	26	27	10	37
99	22D41A7299	26	27	27	10	37
100	22D41A72A0	27	27	27	10	37



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Department of Artificial Intelligence & Data Science Engineering

101	22D41A72A1	28	27	28	10	38
102	22D41A72A2	28	28	28	10	38
103	22D41A72A3	27	26	27	10	37
104	22D41A72A4	28	27	28	10	38
105	22D41A72A5	26	28	27	10	37
106	22D41A72A6	28	25	27	10	37
107	22D41A72A7	27	27	27	10	37
108	22D41A72A8	28	25	27	10	37
109	22D41A72A9	28	25	27	10	37
110	22D41A72B0	29	25	27	10	37
111	22D41A72B1	26	24	25	10	35
112	22D41A72B2	26	25	26	10	36
113	22D41A72B3	27	25	26	10	36
114	22D41A72B4	28	26	27	10	37
115	22D41A72B5	28	23	26	10	36
116	22D41A72B6	28	25	27	10	37
117	22D41A72B7	26	27	27	10	37
118	22D41A72B8	27	12	20	10	30
119	22D41A72B9	28	23	26	10	36
120	22D41A72C0	26	26	26	10	36
121	22D41A72C1	28	24	26	10	36
122	22D41A72C2	26	26	26	10	36
123	22D41A72C3	29	28	29	10	39
124	22D41A72C4	29	29	29	10	39
125	22D41A72C5	26	26	26	10	36
126	22D41A72C6	27	27	27	10	37
127	22D41A72C7	26	24	25	10	35
128	22D41A72C8	29	29	29	10	39



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

Department of Artificial Intelligence & Data Science Engineering

BR-20

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 – MID –I Examinations

(R22MED1124) ENGINEERING WORKSHOP LAB

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

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 Artificial Intelligence & Data Science 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,AI ML,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 Artificial Intelligence & Data Science 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
14	12	To To make a Square Rod 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 Artificial Intelligence & Data Science Engineering

Course: B.Tech. - I Year – I Semester (AI&DS)

SUB Name: ENGINEERING WORKSHOP

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 MACHINE WITH 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 Artificial Intelligence & Data Science Engineering

Course: B.Tech. - I Year – I Semester (AI&DS)

SUB Name: ENGINEERING WORKSHOP

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
16	Blower with Smith's hearth(Black smithy)	Mek corporation	2/2/2021	3	6500	19500	2/2/2021



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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

Lab In charge



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Department of Artificial Intelligence & Data Science Engineering

Course: B.Tech. - I Year – I Semester (AI&DS)

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
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



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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



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

Department of Artificial Intelligence & Data Science Engineering

Course: B.Tech. - I Year – I Semester (AI&DS)

SUB Name: ENGINEERING WORKSHOP

SUB CODE: R22MED1124

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.

Lab In charge



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

Department of Artificial Intelligence & Data Science Engineering

Course: B.Tech. - I Year – I Semester (AI&DS)

SUB Name: ENGINEERING WORKSHOP

SUB CODE: R22MED1124

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

Lab In charge



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

Department of Artificial Intelligence & Data Science Engineering

Course: B.Tech. - I Year – I Semester (AI&DS)

SUB Name: ENGINEERING WORKSHOP

SUB CODE: R22MED1124

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

Lab In charge



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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

Lab In charge