SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY
Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

06.07.2018

Submitted To Principal

Respected sir,

Sub: Proposal for conducting value added course (**MACHINE DRAWING**) – Reg.

We have planned to conduct the training program on "**MACHINE DRAWING**" for II, III & IV year Mechanical Engineering students. We assure that this will be very useful for the students to enhance their knowledge in the field of Design.

Your approval is requested to conduct this program.

Thanking you

1. 6/7/18
2. 06/07

Course coordinator
E.SIVASELVAM AP/Mech,
G.VINOTH KUMAR AP/Mech,

6/7/18
HOD/MECH

6/7/18
PRINCIPAL

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindgul – Palani Highway, Dindigul – 624 002.

Phone : 0451 – 2448800 – 99 (100 Lines) Fax: 0451 – 2448855
Email : ssmietdgl@gmail.com Website : www.ssmiet.ac.in

Department of Mechanical Engineering

Date: 06.07.2018

CIRCULAR

It is planned to conduct a training program on **"MACHINE DRAWING"** for II,III & IV year B.E. Mechanical Engineering students from 16/07/2018 onwards. Students those who are interested to attend can register their name with Prof. G.VINOTH KUMAR. AP/ Mech on or before 13.07.2018.

Details about the program

No of students admitted	: **30** (on first come first serve basis)
Duration	: **15 days** (30 hours)
Timing	: **4.30 to 6.30 pm** (without disturbing remedial and coaching classes)

Attendance for the program is compulsory for all days.

1. E. Sivasel 7/7/18
2. G.V 06/07

Course coordinators
E.SIVASELVAM AP/ Mech,
G.VINOTH KUMAR AP/Mech,

6/7/18
HOD/MECH

10/7/18
PRINCIPAL

"Hands on Training in Machine Drawing"

Value Added Course

Academic Year (2018-2019) Odd Semester

Total hours: 30 Hours

16.07.2018-10.09.2018

Department of Mechanical Engineering

SSM INSTITUTE OF ENGINEERING & TECHNOLOGY

Course Coordinators :

1. Mr. E. Sivaselvam,
2. Mr. G. Vinothkumar.

MACHINE DRAWING

COURSE OUTLINE

- Technical Graphics is used to communicate the necessary technical information required for manufacture and assembly of machine components. These drawings follow rules laid down in national and International Organizations for Standards (ISO).
- Hence the knowledge of the different standards is very essential. Students have to be familiar with industrial drafting practices and thorough understanding of production drawings to make themselves fit in industries. The following topics have been covered to fulfill the above objectives.
- Classification of Machine Drawings, Principles of Drawings, Sectioning, Dimensioning, Limits, Fits and Tolerance, Symbols and Conventional Representation, Screw Fasteners, Key Joints, Coupling and its Types, Riveted Joints, Welded Joints, Structural Applications, Assembly Drawings, Production Drawings, Reproduction of Drawing, Introduction of Computer Aided Drafting, Introduction of Solid 3D Modeling.

COURSE DETAIL

S.No.	Topics
1.	**Introduction** • Need of Graphical Language • Importance Machine Drawing Tools (from Instruments to Current Softwares)
2.	**Projections** • Designation • Relative position of views Examples
3.	**Classification of Machine Drawings (with examples)** • Assembly Drawing • Part Drawing • Detailed Drawing
4.	**Principles of Drawings** • Scales as per ISO standards, eg. A3 x 3 (420 x891) • Importance of Title Block and Part list • Lines types (Lines used in Machine Drawings)
5.	**Sectioning** • Cutting Planes and Section Hatching Lines • Half Sections • Aligned Sections • Offset Sections
6.	**Dimensions (with examples)** • Principle of Dimensioning • Counter Sink, • Counter Bores • Spot Faces • Chamfers • Screw Threads • Tapered Features

7.	**Limits, Fits and Tolerance** • Definitions • Classifications of Fits • System of Fits` Computations • Selection of Fits • Method of Indicating Fits on Drawings • Tolerance Grade • Computations of Tolerance • Positions of Tolerance • Fundamental of Deviations Shaft and Hole Terminology Method of Placing • Limit Dimensions
8.	**Abbreviations and Symbols**
9.	**Screwed Fastenings** • Types of Bolts • Designation • Types of Nuts • Types of Screw Designation of Bolted Joints • Stud Joints
10.	**Key Joints** • Types of Key joints • Type of Cotter Joints • Types of Pin Joints and knuckle Joints
11.	**Riveted Joints** • Introduction • Rivet and Riveting • Classification of Rivet Terminology of Riveted Joint Types of Joints
12.	**Welded Joints** • Introduction of Welding Process • Types of Welded Joints • Representation of Welds Symbols and its conventions
13.	**Assembly Drawings Practice** • Sleeve and cotter joint • Spigot and socket joint • Gib and cotter joint • Knuckle joint • Flange coupling • Plummer block • Screw jack

LECTURE 1
INTRODUCTION TO MACHINE DRAWING

1. Graphic Language

A technical person can use the graphic language as powerful means of communication with others for conveying ideas on technical matters. However, for effective exchange of ideas with others, the engineer must have proficiency in (i) language, both written and oral, (ii) symbols associated with basic sciences and (iii) the graphic language. Engineering drawing is a suitable graphic language from which any trained person can visualize the required object. As an engineering drawing displays the exact picture of an object, it obviously conveys the same ideas to every trained eye.
Irrespective of language barriers, the drawings can be effectively used in other countries, in addition to the country where they are prepared. Thus, the engineering drawing is the universal language of all engineers.

2. Importance of Graphic Language

The graphic language had its existence when it became necessary to build new structures and create new machines or the like, in addition to representing the existing ones. In the absence of graphic language, the ideas on technical matters have to be conveyed by speech or writing, both are unreliable and difficult to understand by the shop floor people for manufacturing. This method involves not only lot of time and labor, but also manufacturing errors. Without engineering drawing, it would have been impossible to produce objects such as aircrafts, automobiles, locomotives, etc., each requiring thousands of different components.

3. Need for Correct Drawings

The drawings prepared by any technical person must be clear, unmistakable in meaning and there should not be any scope for more than one interpretation, or else litigation may arise. In a number of dealings with contracts, the drawing is an official document and the success or failure of a structure depends on the clarity of details provided on the drawing. Thus, the drawings should not give any scope for misinterpretation even by accident.
It would not have been possible to produce the machines/automobiles on a mass scale where a number of assemblies and sub-assemblies are involved, without clear, correct and accurate drawings. To achieve this, the technical person must gain a thorough knowledge of both the principles and conventional practice of drawing. If these are not achieved and or practiced, the drawings prepared by one may convey different meaning to others, causing unnecessary delays and expenses in production shops.

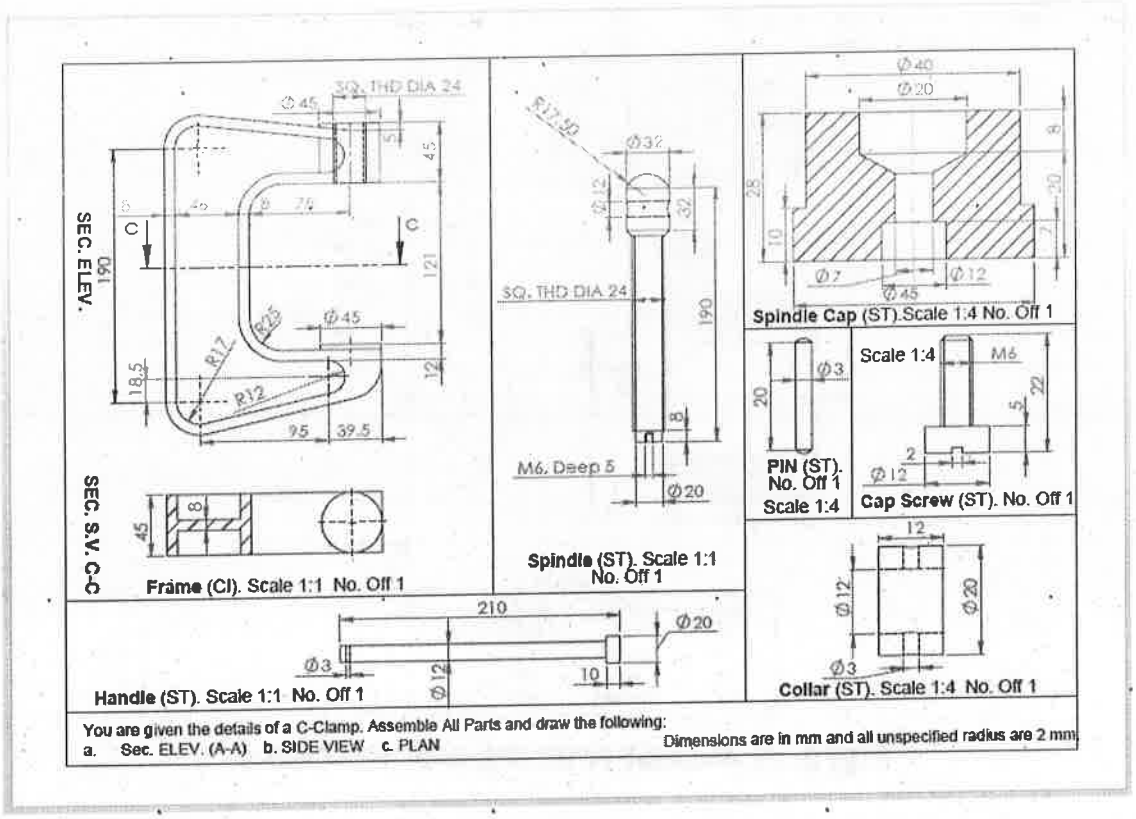


Fig. 2. Part drawing Examples.

4.1.2 Assembly Drawing

A drawing that shows the various parts of a machine in their correct working locations is an assembly drawing. Fig. 3 shows an example of an assembly drawing (Note that the drawing was drawn according to a different drawing standard).

4.1.3 Production Drawing

A production drawing, also referred to as working drawing, should furnish all the dimensions, limits and special finishing processes such as heat treatment, honing, lapping, surface finish, etc., to guide the craftsman on the shop floor in producing the component. The title should also mention the material used for the product, number of parts required for the assembled unit, etc. Fig. 5 shows an example of a production drawing (Note that the drawing was drawn according to a different drawing standard)

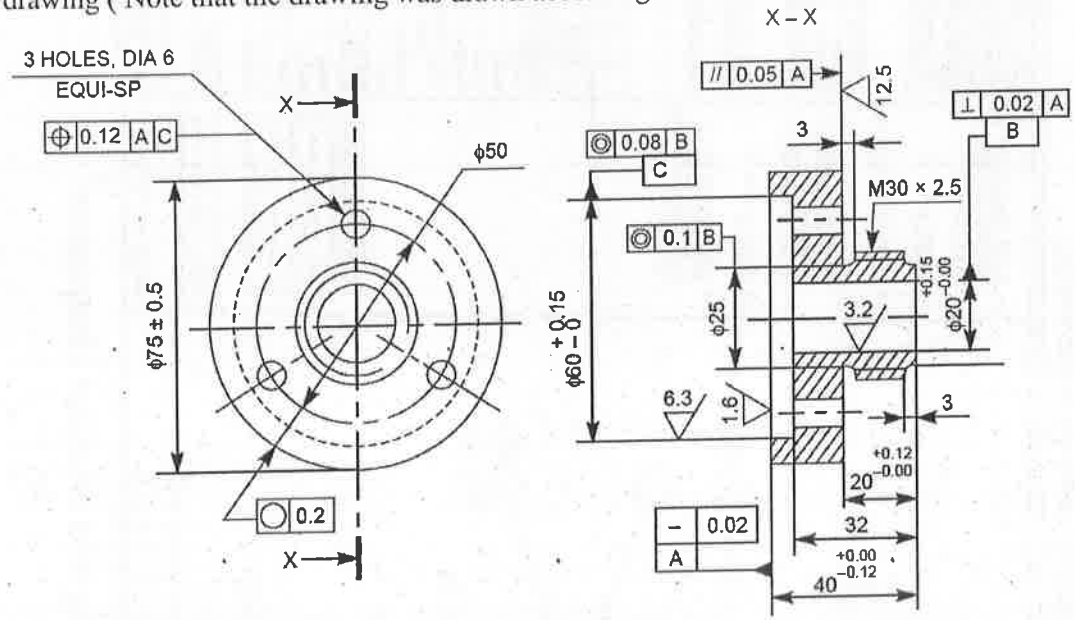


Fig. 5. Production drawing of a machine component

5. Drawing Layout

5.1 Drawing Layout

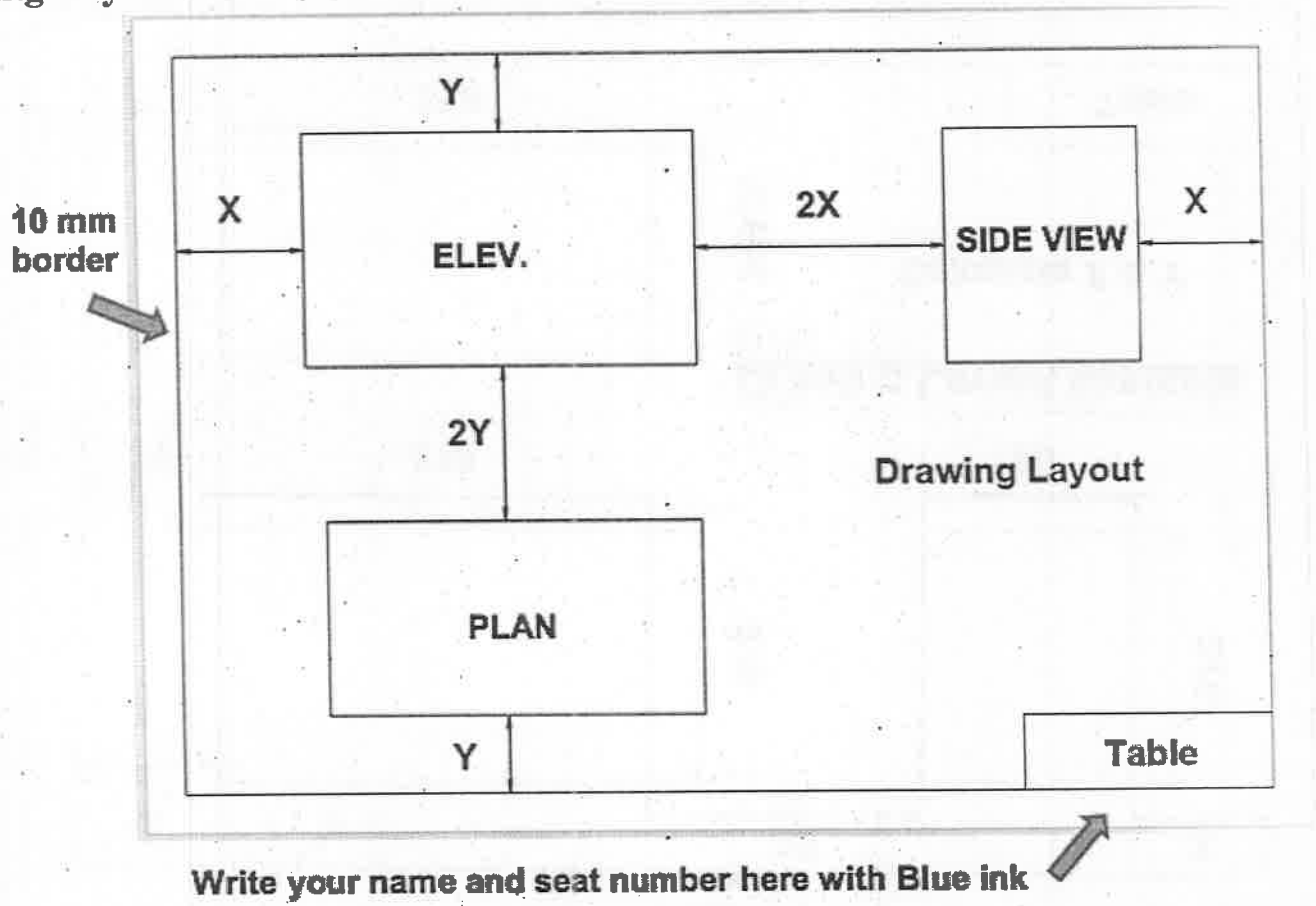


Fig. 7. Drawing Layout.

5.3 Drawing Layout example solution

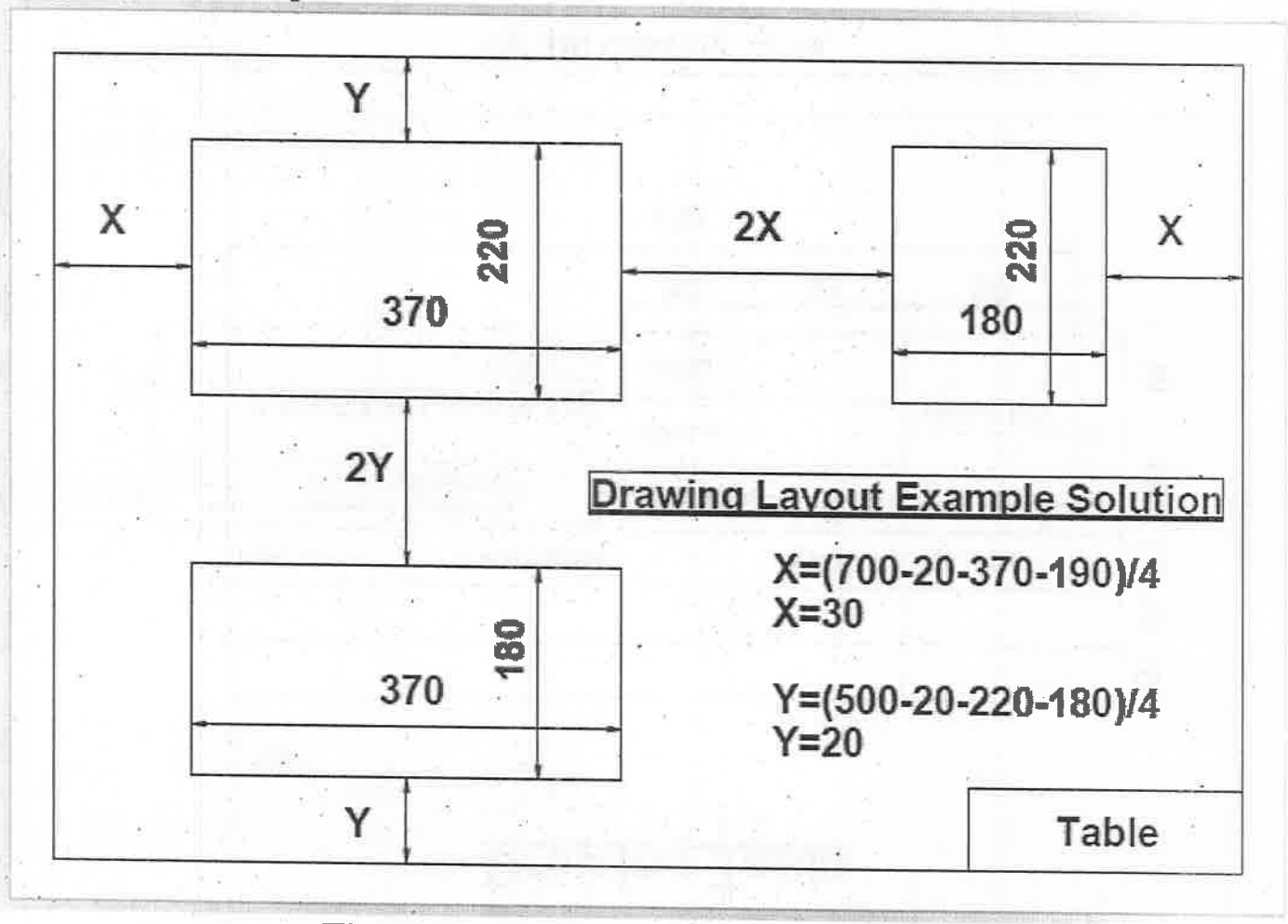


Fig. 9. Drawing Layout Example Solution.

5.5 An example of filled table

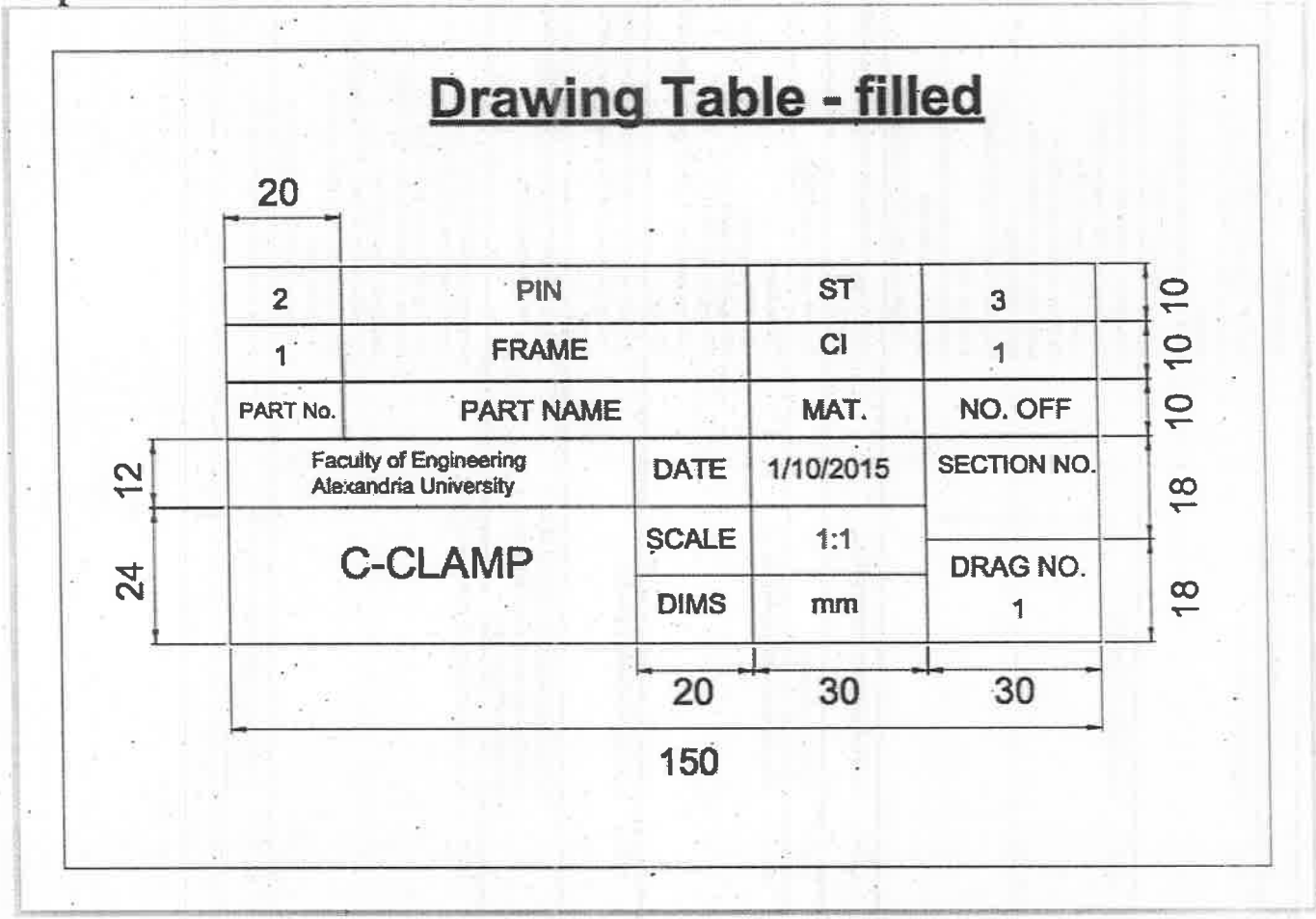


Fig. 11. Filled-Drawing Table.

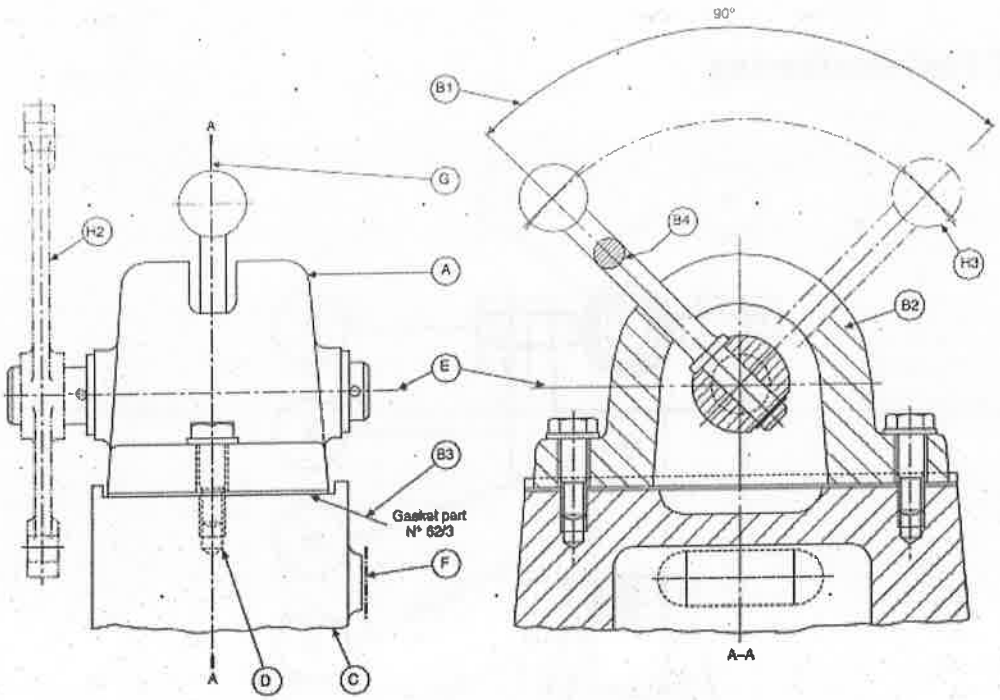


Fig. 12. Example of different line types.

Interrupted view application

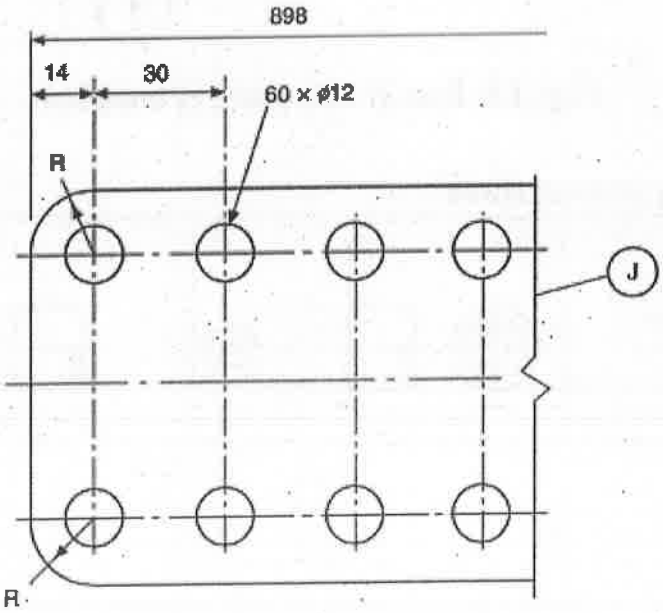
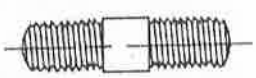
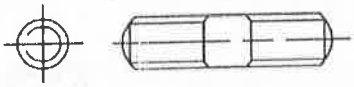
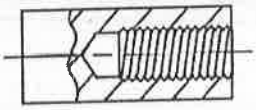
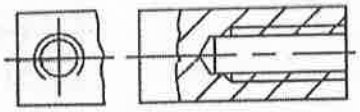


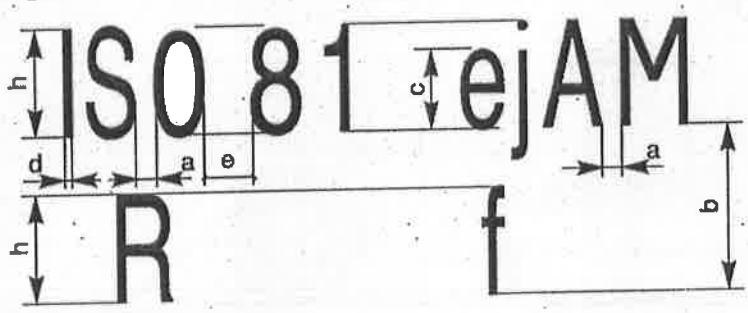
Fig. 13. Interrupted view example.

External screw threads (Detail)		
Internal screw threads (Detail)		

6.4 Abbreviations for Materials

Material	Abbreviation
Aluminum	AL
Bronze	BRZ
Cast Iron	C.I.
Stainless Steel	ST.

7. Lettering



Characteristic		*Ratio*	*Dimensions*, (mm)						
Lettering height (Height of capitals)	h	(14/14)h	2.5	3.5	5	7	10	14	20
Height of lower-case letters (without stem or tail)	c	(10/14)h	—	2.5	3.5	5	7	10	14
Spacing between characters	a	(2/14)h	0.35	0.5	0.7	1	1.4	2	2.8
Minimum spacing of base lines	b	(20/14)h	3.5	5	7	10	14	20	28
Minimum spacing between words	e	(6/14)h	1.05	1.5	2.1	3	4.2	6	8.4
Thickness of lines	d	(1/14)h	0.18	0.25	0.35	0.5	0.7	1	1.4

Indicate the correct and incorrect methods of sectioning of machine elements represented in Fig. 14.

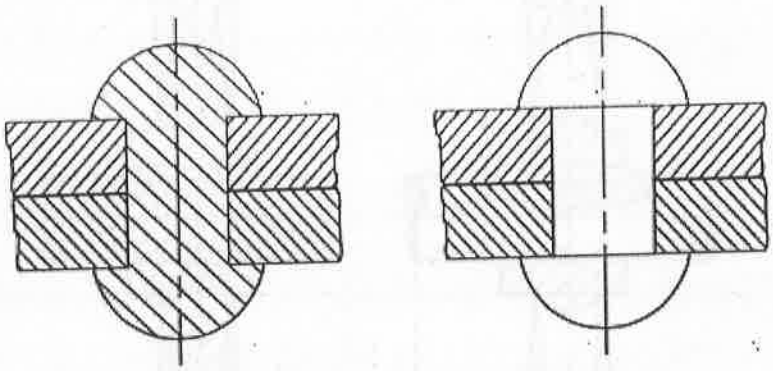


Fig. 17. Hatching of two adjacent parts.

Indicate the correct and incorrect methods of sectioning of machine elements represented in Fig. 15.

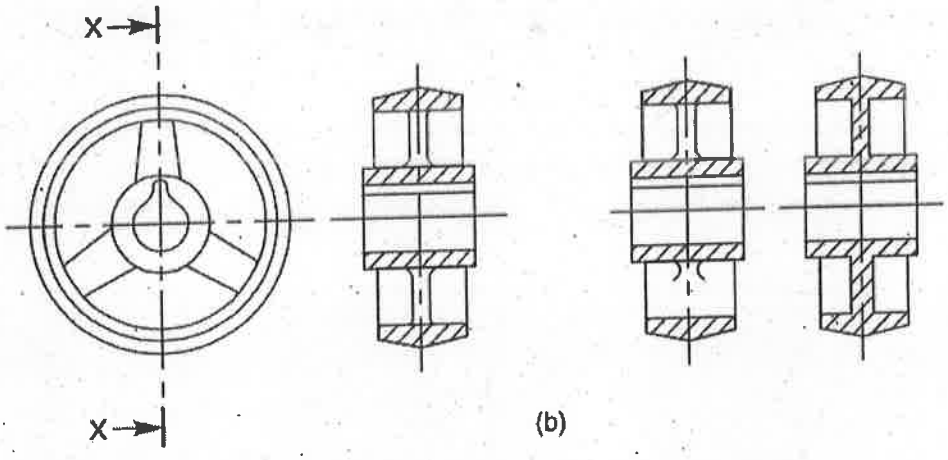


Fig. 18. Hatching of two adjacent parts.

Indicate the correct and incorrect methods of sectioning of machine elements represented in Fig. 19. .

9. Sectional View

A sectional view is obtained by imagining the object, as if cut by a cutting plane and the portion between the observer and the section plane being removed. Figure 4.1a shows an object, with the cutting plane passing through it and Fig., the two halves drawn apart, exposing the interior details.

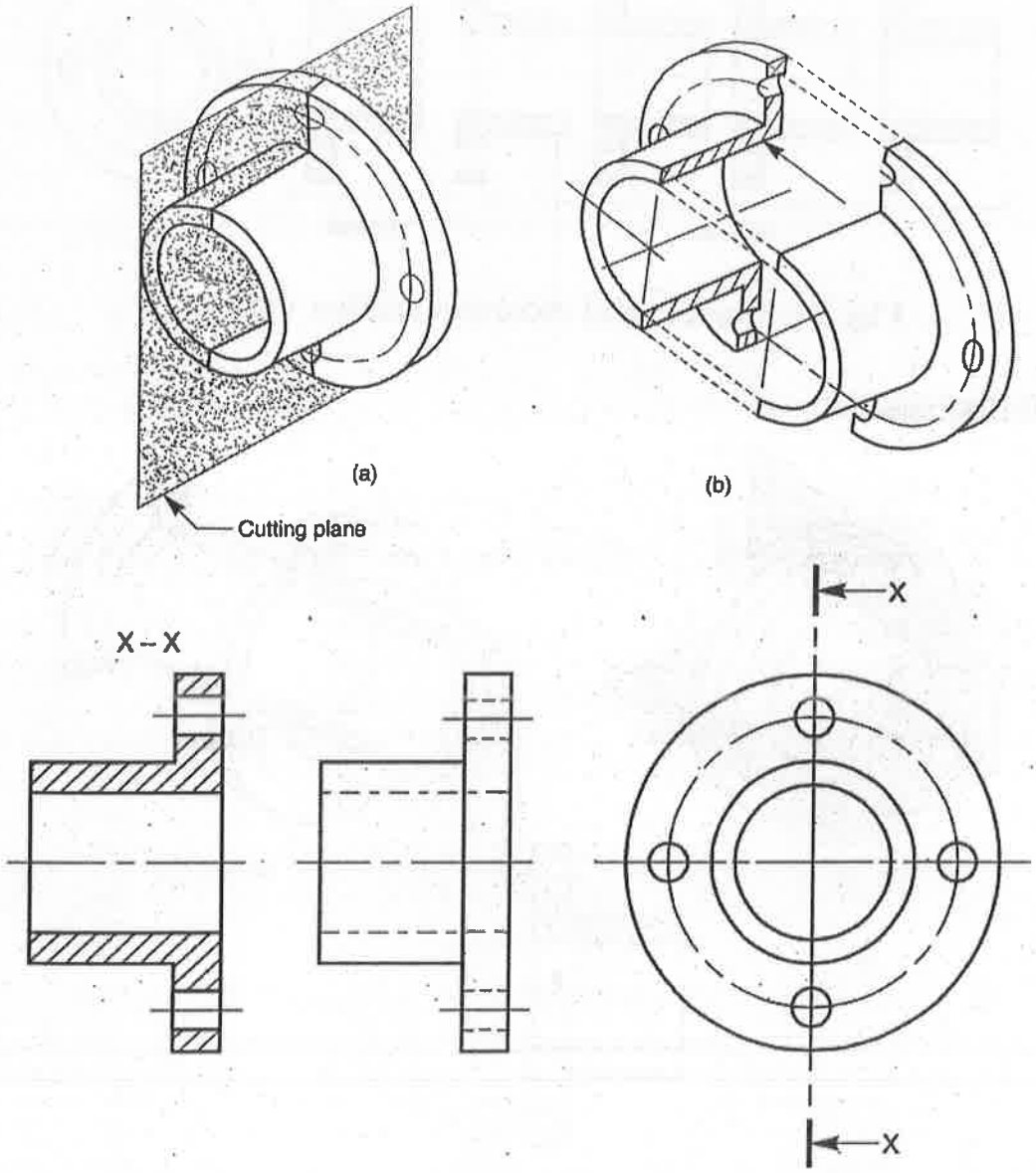


Fig. 20. Section Example.

10. First and Third Angel Projection

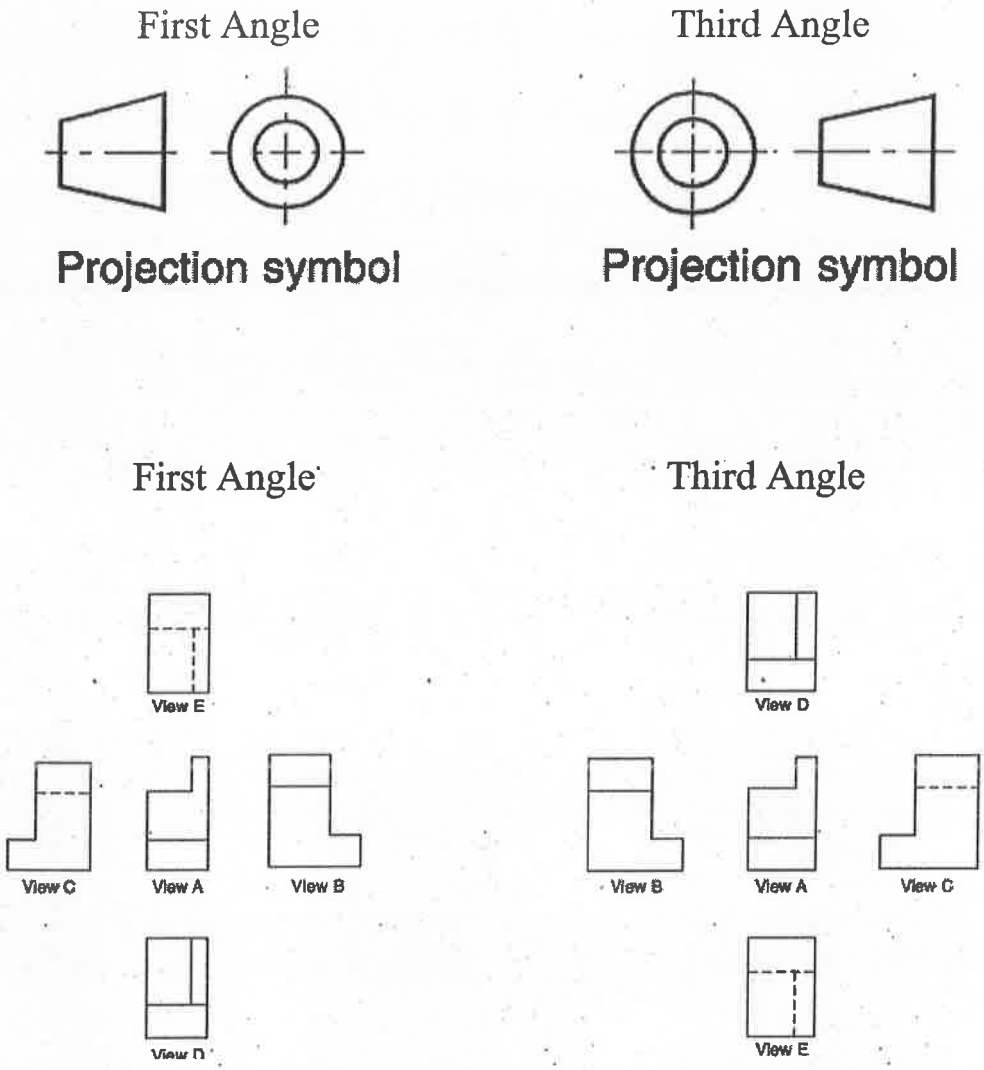
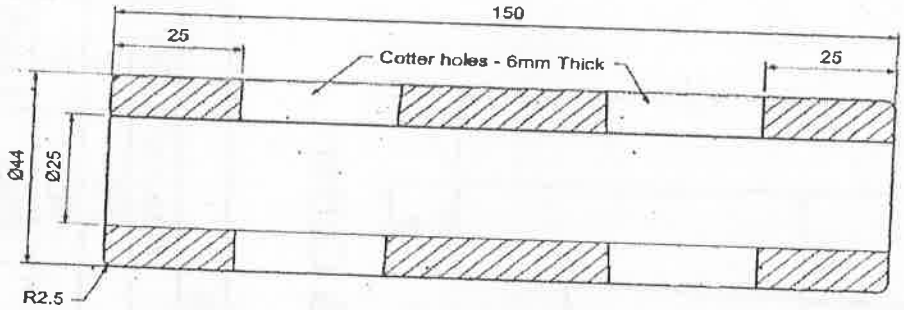
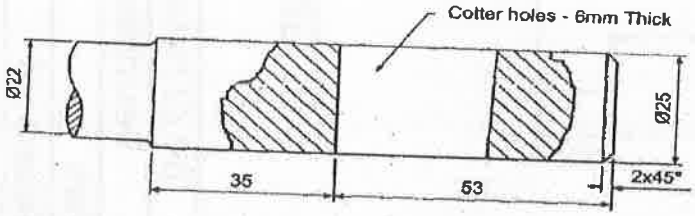


Fig. 23. First and Third Angel Projection.

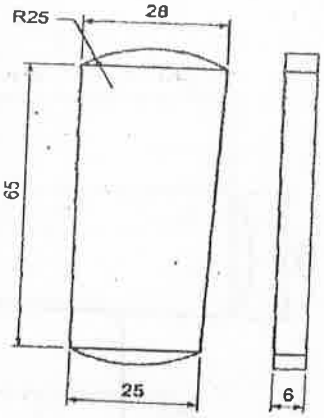
ASSEMBLY OF SLEEVE AND COTTER JOINT



1. Sleeve



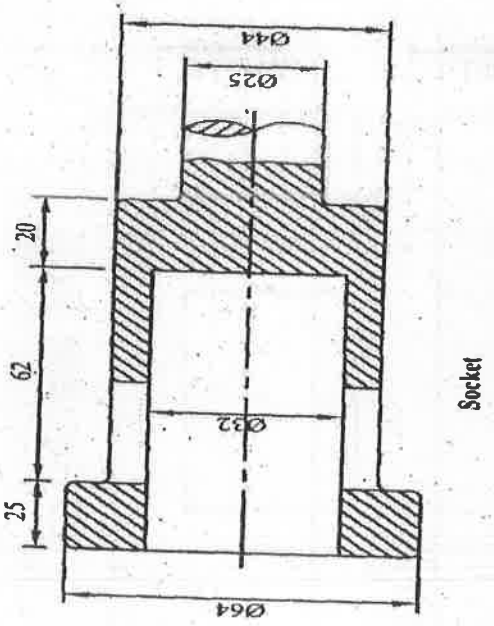
2. Connecting Rod

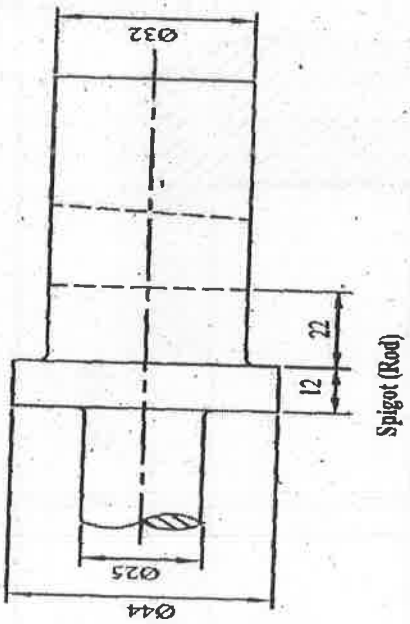


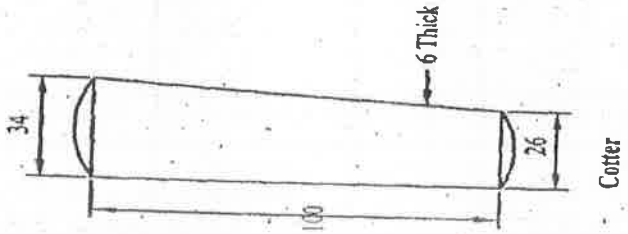
3. Cotter

Bill Of Materials			
Sl no	Description	Material	Qty
1	Sleeve	MS	1
2	Connecting rod	MS	2
3	Cotter	Steel	2

ASSEMBLY OF SOCKET AND SPIGOT JOINT





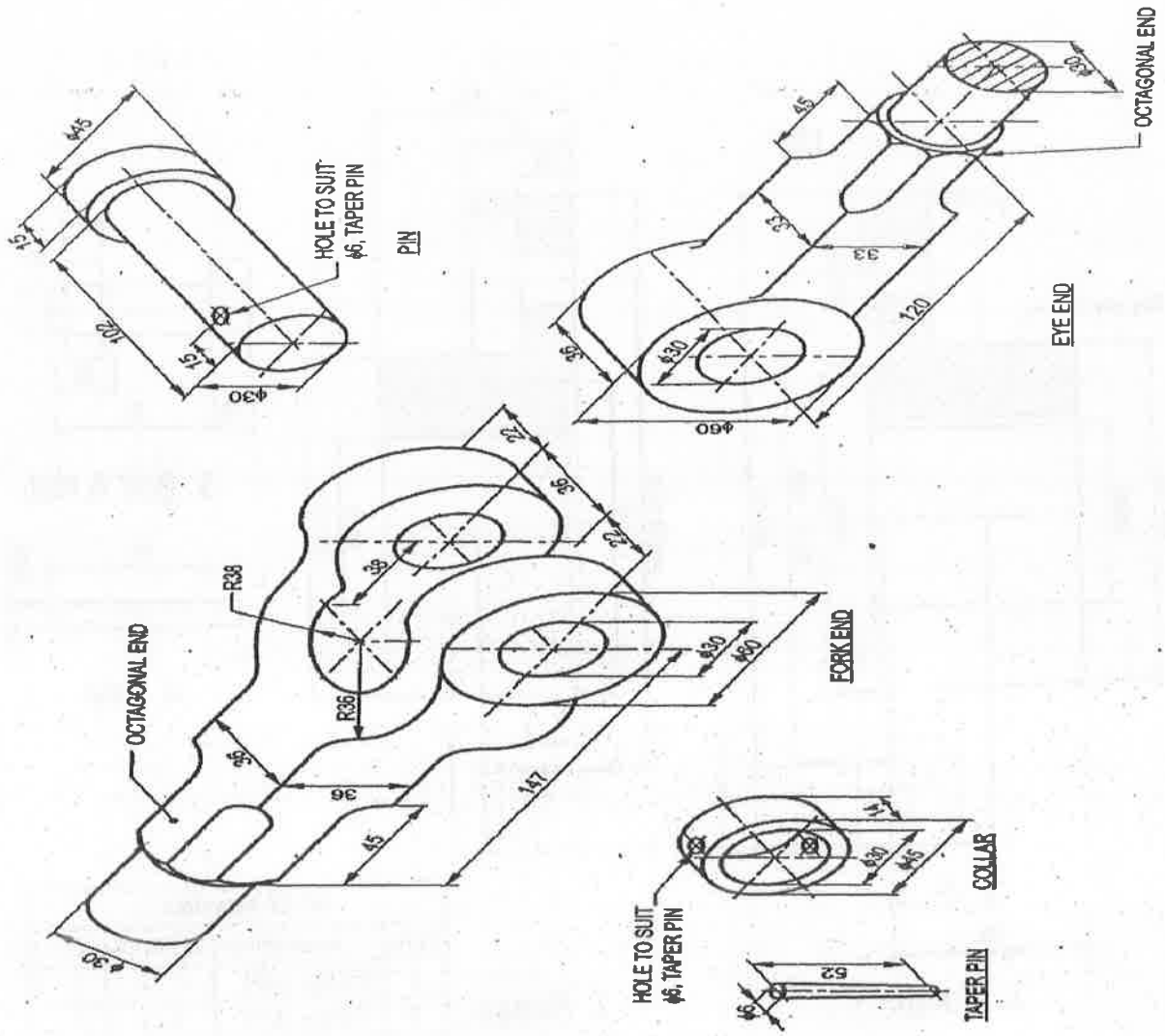


Detailed Drawing of Socket and Spigot Joint

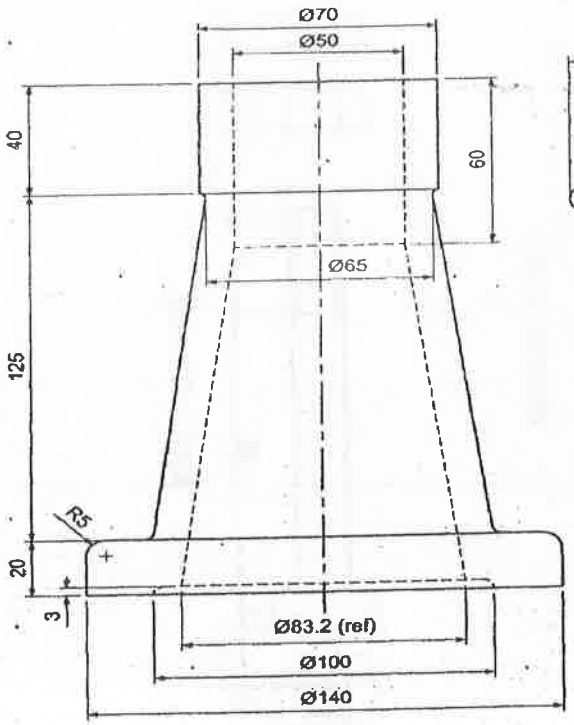
SCALE: 1:1

All dimensions are in mm

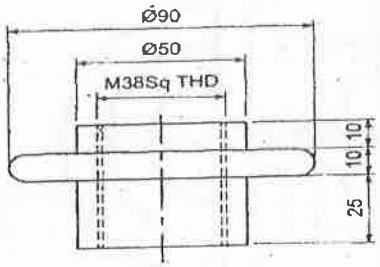
ASSEMBLY OF KNUCKLE JOINT



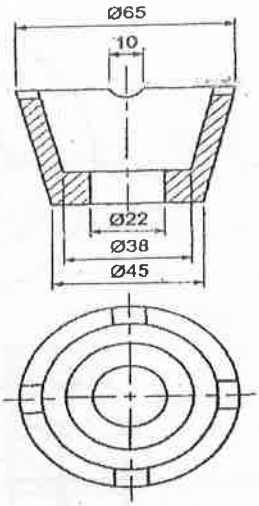
ASSEMBLY OF SCREW JACK



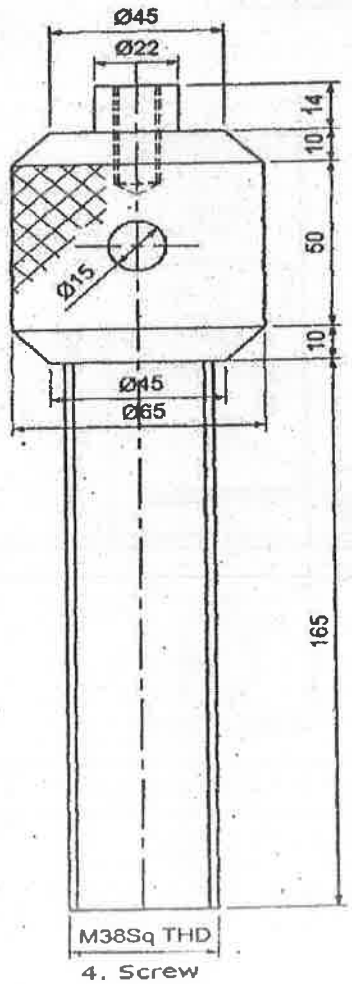
1. Casting



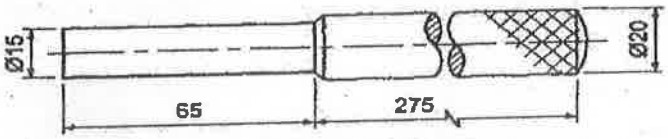
2. Nut



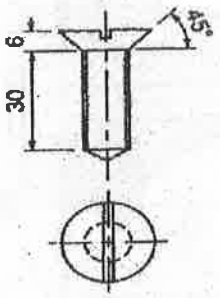
3. Cup



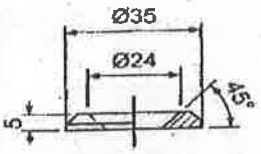
4. Screw



5. Tommy bar



6. Set Screw



7. Washer

Bill Of Materials			
Sl no	Description	Material	Qty
1	Casting	CI	1
2	Nut	MS	1
3	Cup	MS	1
4	Screw	MS	1
5	Tommy bar	MS	1
6	Set Screw	MS	1
7	Washer	MS	1

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL - 624 002

DEPARTMENT OF MECHANICAL ENGINEERING

Value added course attendance detail

Course Name : MACHINE DRAWING

S.No.	Year/ Section	Reg.no.	Date / Student Name	16/07	17/07	18/07	23/07	24/07	25/07	06/08	07/08	08/08	20/08	21/08	27/08	28/08	29/08	10/09
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	II-A	922117114001	ADITHYAN B	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/
2		922117114006	ARULSELVAN K	/	a	/	/	/	/	/	/	/	a	/	a	/	a	/
3		922117114007	ARUN KUMAR E	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4		922117114018	DEEPAK RAJ D	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/
5		922117114019	DEEPAKRAJ T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6		922117114025	DIVYA DHARSHINI K	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/
7		922117114026	ESAKKI DURAI PANDI M	/	/	/	/	a		a	/	/	/	/	/	/	/	/
8		922117114027	ETHIRAJ YOGESH P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9		922117114028	GAJENDREN R	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/
10		922117114030	GRACE A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	II-B	922117114043	JEGAN ROY J	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/
13		922117114044	JEROME F	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/
14		922117114049	KASI VISWANATHAN K	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/
15		922117114053	MANICKAVEL V	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/
16		922117114054	MANIKANDAN P	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/
17		922117114055	MANIKANDARAJA M	/	/	/	/	/	/	a	/	/	/	/	a	/	/	/
18		922117114056	MANOJ KUMAR T	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/
19		922117114058	MATHANRAJ G	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/
20		922117114062	MOHAMED SYED ABUTHAHIR M	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/
21		922117114063	MOHAMED THARIQ G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22		922117114064	MONISHKUMAR M	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/
23		922117114065	MUJIPUR RAHMAN J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24		922117114066	NAGARAJ A	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/
25		922117114067	NAGA SARAVAN B	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/
26		922117114075	NITHIS C	/	/	a	/	a	/	/	/	/	/	/	/	/	/	/
27		922117114076	NITHIS KUMAR K	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/
28		922117114078	PANDIYA RAJ B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29		922117114079	PARAMESHWARAN M	/	/	/	/	/	/	/	/	m	/	/	/	/	/	/
30		922117114080	PARTTHASARATHI K B	/	/	/	/	/	a	/	/	/	/	/	/	/	a	/
31	II-C	922117114123	VINOTH KUMAR R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
32		922117114124	VISHNU BALAJI M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
33		922117114126	YOKESWARAN M S	/	/	/	/	/	/	/	/	/	c	/	/	/	/	/

Course coordinators

[G. Vinoth kumar]

E. Sivaselvan

HOD/MECH

PRINCIPAL

JEROME.F
922117114044
SEC: B

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY
Dindigul-Palani Highway, Dindigul – 624 002, Tamilnadu
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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE ON MACHINE DRAWING

(16.07.18 to 10.09.18)

Evaluation Questionnaire for Value Added Course on Machine Drawing

1-The following is not included in title block of drawing sheet.
a. Sheet No
b. Scale
c. Method of Projection
d. Size of sheet

2-Which of the following represent reducing scale?
a. 1:1
b. 1:2
c. 2:1
d. 10:1

3-In first angle projection method, object is assumed to be placed in
a. First quadrant
b. Second quadrant
c. Third Quadrant
d. Fourth quadrant

4-The following line is used for visible outlines
a. Continuous thick
b. Continuous thin
c. Chain thin line
d. Short zigzag thin

5-The following line is used for dimension line
a. Continuous thick
b. Continuous thin
c. Chain thin line
d. Short zigzag thin

6-The dotted lines represents
a. Hidden edges
b. Projection line
c. Centre line
d. Hatching line

7-Hatching lines are drawn at_____degree to reference line
a. 30
b. 45
c. 60
d. 90

8-In aligned system of dimensioning, the dimensions may be read from
a. Bottom or right hand edges
b. Bottom or left hand edges
c. Only from bottom
d. Only from left side

9-The Length:Width in case of an arrow head is
a. 1:1
b. 2:1

c. 3:1
d. 4:1

11- The internal angle of regular pentagon is___degree.

a. 72
b. 108
c. 120
d. 150

12- The internal angle of regular hexagon is____degree.

a. 72
b. 108
c. 120
d. 150

13-A point 'P' is above Horizontal Plane (HP) and in front of Vertical Plane (VP). The point is in

a. First quadrant
b. Second quadrant
c. Third quadrant
d. Fourth quadrant

14- The side view of an object is drawn in

a. Vertical plane
b. Horizontal plane
c. Profile plane
d. Any of the above

15-Which type of line is part of a dimension?

a. break lines
b. phantom lines
c. extension lines
d. cutting plane lines

16- Which line type is thin and light?

a. visible lines
b. center lines
c. construction lines
d. all of the above

17- Which line type is thick and black?

a. visible lines
b. center lines
c. construction lines
d. all of the above

18- The top, front, and bottom views align in this manner:

a. Horizontally
b. Vertically
c. According to the planar views
d. Parallel to the frontal plane

19- If a plane is parallel to the plane of projection, it appears:

a. True size
b. As a line or edge
c. Foreshortened
d. As an oblique surface

20- This line pattern is composed of three dashes, one long dash on each end with a short dash in the middle:

a. Object
b. Hidden
c. Center
d. Phantom

Name: K. Nithishkumar
Reg.no: 922117114076

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Dindigul-Palani Highway, Dindigul – 624 002, Tamilnadu
Tel. No:0451-2448800-899 (100 lines) Fax : 0451-2448855
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Sec: 'B'

DEPARTMENT OF MECHANICAL ENGINEERING

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20- This line pattern is composed of three dashes, one long dash on each end with a short dash in the middle:

a. Object
b. Hidden
c. Center
d. Phantom

100%

F: Stirred

deepak Raj D
9221 17114018
II "A"

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b. Hidden
c. Center
d. Phantom

85

F. Sirmal

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Value Added Course (2018-2019) Odd Semester

Course Name : Hands on training on Hands on Machine Drawing

Course Coordinators: E.SIVASELVAM & G.VINOTH KUMAR

MARKS STATEMENT FOR VALUE ADDED COURSE

S.No	Reg.No	Name of the Student	Marks Scored
1	922117114001	ADITHYAN	90
2	922117114006	ARULSELVAN K	85
3	922117114007	ARUN KUMAR E	85
4	922117114018	DEEPAK RAJ D	85
5	922117114019	DEEPAK RAJ T	75
6	922117114025	DIVYA DHARSHINI K	85
7	922117114026	M.ESAKKI DURAI PANDI	85
8	922117114027	ETHIRAJ YOGESH P	90
9	922117114028	GAJENDREN.R	75
10	922117114030	GRACE A	85
11	922117114043	JEGAN ROY J	90
12	922117114044	JEROME .F	75
13	922117114049	K KASI VISWANATHAN	85
14	922117114053	MANICKAVEL V	85
15	922117114054	MANIKANDAN P	85
16	922117114055	MANIKANDARAJA M	90
17	922117114056	MANOJKUMAR T	75
18	922117114058	MATHANRAJ G	85
19	922117114062	MOHAMED SYED ABUTHAHIR M	85
20	922117114063	MOHAMED THARIQ G	90
21	922117114064	MONISHKUMAR.M	90
22	922117114065	MUJIPUR RAHMAN	90
23	922117114066	A.NAGARAJ	85
24	922117114067	NAGA SARAVAN B	90
25	922117114075	NITHIS C	85
26	922117114076	NITHIS KUMAR K	100
27	922117114078	PANDIYA RAJ B	95
28	922117114079	PARAMESHWARAN M	90
29	922117114080	K.B.PARTTHASARATHI	90
30	922117114123	R.VINOTH KUMAR	90
31	922117114124	VISHNU BALAJI M	85
32	922117114126	YOKESWARAN M S	90

Faculty Incharge **HoD/Mech.Engg** **Principal**

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E-mail : ssmietdgl@gmail.com

DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE ON MACHINE DRAWING

(16.07.18 to 10.09.18)

FEED BACK FORM

DATE: 08/11/2018

NAME OF THE STUDENT	K. Nithis kumar
YEAR	II year
CONTACT NO./ EMAIL	9944693299. / nithis kumar 115@gmail.com.

1. Course objective and scope in the industry (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
2. Knowledge and exposure of the trainer in the domain (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
3. Content coverage (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
4. Usefulness (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
5. Explanation and Clarity (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor

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(16.07.18 to 10.09.18)

FEED BACK FORM

DATE: 3-11-18.

NAME OF THE STUDENT	T. MANOJKUMAR
YEAR	2nd year.
CONTACT NO./ EMAIL	8072470486/ kumarmanoj45391@gmail.com

1. Course objective and scope in the industry (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
2. Knowledge and exposure of the trainer in the domain (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
3. Content coverage (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
4. Usefulness (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
5. Explanation and Clarity (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE ON MACHINE DRAWING

(16.07.18 to 10.09.18)

FEED BACK FORM

DATE: 11/9/18

NAME OF THE STUDENT	Mohamed Thariq. G
YEAR	2nd
CONTACT NO./ EMAIL	/

1. Course objective and scope in the industry (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
2. Knowledge and exposure of the trainer in the domain (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
3. Content coverage (Please put ✔ mark)	☐ Excellent ☐ Good ☑ Average ☐ Poor
4. Usefulness (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
5. Explanation and Clarity (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor

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(16.07.18 to 10.09.18)

FEED BACK FORM

DATE: 8.11.18

NAME OF THE STUDENT	JEROME
YEAR	2nd Year.
CONTACT NO./ EMAIL	/

1. Course objective and scope in the industry (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
2. Knowledge and exposure of the trainer in the domain (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
3. Content coverage (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
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(16.07.18 to 10.09.18)

FEED BACK FORM

DATE: 8/11/18

NAME OF THE STUDENT	K. Kasi Viswanathan
YEAR	II nd Year
CONTACT NO./ EMAIL	9500436821 Kasi20171999@gmail.com

1. Course objective and scope in the industry (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
2. Knowledge and exposure of the trainer in the domain (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
3. Content coverage (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
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FEED BACK FORM

DATE: _____

NAME OF THE STUDENT	P. Manikandan
YEAR	II
CONTACT NO./ EMAIL	8523907808 / manikandan1905p@gmail.com

1. Course objective and scope in the industry (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
2. Knowledge and exposure of the trainer in the domain (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
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FEED BACK FORM

DATE: _____

NAME OF THE STUDENT	PARAMESHWARAN. M
YEAR	II
CONTACT NO./ EMAIL	9092198697 /

1. Course objective and scope in the industry (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
2. Knowledge and exposure of the trainer in the domain (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
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DATE: 8-11-18

NAME OF THE STUDENT	M. PARAMESHWARAN
YEAR	IInd YEAR
CONTACT NO./ EMAIL	8838088751 / www.parameshwaran987@gmail.com

1. Course objective and scope in the industry (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
2. Knowledge and exposure of the trainer in the domain (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
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DATE: 08/11/2018

NAME OF THE STUDENT	B. PANDIYARAJ
YEAR	II
CONTACT NO./ EMAIL	6381042602 / saipandiyaraj

1. Course objective and scope in the industry (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
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(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai)

Dindigul – Palani Highway, Dindigul – 624 002

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that ***Ms.GRACE.A(922117114030)*** of has successfully completed the value added course on ***"MACHINE DRAWING"*** organized by the Department of Mechanical Engineering, SSM Institute of Engineering and Technology, Dindigul from 16.07.2018 to 10.09.2018

Event Coordinator

Hod/Mech.Engg

Principal

SSM Institute of Engineering and Technology

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai)

Dindigul – Palani Highway, Dindigul – 624 002

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that ***Mr.NITHIS.C(92117114075)*** of has successfully completed the value added course on ***"MACHINE DRAWING"*** organized by the Department of Mechanical Engineering, SSM Institute of Engineering and Technology, Dindigul from 16.07.2018 to 10.09.2018

Event Coordinator

Hod/Mech.Engg

Principal

SSM Institute of Engineering and Technology

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Dindigul – Palani Highway, Dindigul – 624 002

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that ***Mr.JEROME.F (922117114044)*** of has successfully completed the value added course on ***"MACHINE DRAWING"*** organized by the Department of Mechanical Engineering, SSM Institute of Engineering and Technology, Dindigul from 16.07.2018 to 10.09.2018

Event Coordinator	Hod/Mech.Engg	Principal