KAMARAJ®

COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Course

on

CATIA

Academic Year	:	2025-2026 (ODD Semester)
Date / Days	:	14.07.2025 to 19.07.2025 (6 Days)
Duration	:	48 Hours
Organized by	:	KARF Technovate, Kallakurichi.

Verified
30/7/2025
S. Athilakshmi
VAC coordinator

Coordinators

Dr. N. R. Madhan
Dr. R. Sakthivelmurugan

HoD/Mech

Dr. S. Thangakasivajan

Chief Coordinator Academic core

Dr. R. Suresh babu.

KAMARAJ®
COLLEGE OF ENGINEERING & TECHNOLOGY

(**An Autonomous Institution** - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

DEPARTMENT OF MECHANICAL ENGINEERING

Content	Details
Academic Year	2025-2026 (ODD Semester)
Date	14.07.2025 to 19.07.2025 (6 Days)
Name of the Value-added course	CATIA
Duration	48 Hours
No of Credit	2 Credit
Category	Theory (15 Hours) and Lab (33 hours)
Organized by	KARF Technovate, Kallakurichi.
External Coordinator	Er. Jaffar Thajudeen, Manager, KARF Technovate.
Three Member Committee Members	1. Dr. S. Thanga Kasi Rajan, ASP& HoD/Mech 2. Er. R.Sakthivel Murugan, AP/Mech 3. Er. N. R. Madhan, AP/Mech
Internal Coordinators	1. Er. N. R. Madhan, AP/Mech 2. Er. R.Sakthivel Murugan, AP/Mech

Coordinators

Er. N.R. MADHAN

Dr. R. Sakthivelmurugan

HoD/Mech

Dr. S. Thangakasirajan

Chief Coordinator Academic core

Dr. R. Suresh babu

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution - Affiliated to Anna University, Chennai)
S.P.G.Chidambara Nadar - C. Nagammal Campus,
S.P.G.C. Nagar, K. Vellakulam - 625 701 (Near VIRUDHUNAGAR)

APPROVAL BOOK

Book No: Mech

SL. No: 46

Date: 13/06/2025

Value Added Course on CATIA [illegible]

Name of the programme: VAC on CATIA

Date of the programme: 14 07 2025 to 19 07 2025

No of students: 26 Students

Conducted by: KARE [illegible]

Expert: [illegible] Senior Design Expert

Budget: Rs 2000 + GST / student
+ 6 days food & Accommodation for expert

Approval may please be sanctioned for above mentioned amount & permit us to conduct this programme.

[illegible] 13/06/2025 — Signature of Staff — Dr. [illegible]

S. Thangakasiragan 13/06/25 — HoD

[signature] 14/6/25 — PRINCIPAL

OFFICE USE

1) Account Head :
2) Budget allotted :
3) Amount committed / Spent sofar :
4) Balance available

N.R. [signature] R. [signature] S. Thangakasiragan [signature]

Er. N.R. MADHAN
Dr. R. Sakthivelmurugan
Dr. S. Thangakasiragan

O.M. — Secretary

INVOICE

Date: 19-07-2025

From,

T. Jaffar

KARF Technovate,
4/4, Bus Stand Street, Lakkinayakkanpatti Post, Sankarapuram(taluk), Kallakurichi (Dist.), Tamilnadu, 606402
Contact No: 9698257616

To,

Kamaraj College of Engineering & Technology

S.P.G. Chidambara Nagar – C. Nagammal Campus, S.P.G.C.Nagar, K. Vellakulam – 625 701 (Near Virudhunagar).

S. no.	Description	Unit Price	Qty	Total
1	Catia Value Added Course	2000	26	52,000
	SUB AMOUNT:			52,000
(A)	**Total Amount after Deduction of 10 % TDS**			46,800
(B)	**Conveyance charges (Reimbursement if any):**			-
	Total Amount (A +B):			**46,800**
Total in Words	**Forty-Six thousand Eight Hundred rupees only**			

Account Information for Payment	
Name of Proprietor	A.K.THAJUDEEN
Name of Bank	CANARA BANK
Branch	Sankarapuram
Account Number	6451101003363
IFSC Code	CNRB0006451
PAN Card #	AEZPT7642A

T. Jaffar.
(Signature)

Dr. S. Thangkasi ragan
19/7/25

Dr. N.R. MADHAN
Dr. R. Sakthivel murugan

Outlook

Circular | Value Added Course on CATIA

From Madhan.N.R <madhanmech@kamarajengg.edu.in>
Date Wed 7/9/2025 11:12 AM
To 23UME <23ume@kamarajengg.edu.in>
Cc MECH <mech@kamarajengg.edu.in>; HODMECH <hodmech@kamarajengg.edu.in>

1 attachment (683 KB)
Syllabus.pdf;

Dear Students,

It is planned to conduct a **Value Added Course on CAD Modelling Software – "CATIA"** from **14.07.2025 to 19.07.2025**. The course will be held daily from **9:10 AM to 5:30 PM**. The **course syllabus** is attached herewith for your reference.

The training sessions will be handled by a team from **KARF Technovate, Kallakurichi**. At the end of the course, you will undergo assessments comprising both **Internal Assessment** (conducted by our college) and **External Assessment** (conducted by KARF Technovate, Kallakurichi).

You are instructed to attend this program without fail. Leave or on-duty permissions will not be entertained during this period.

Assessment Details:

External Assessment	Internal Assessment	Total
60 Marks	40 Marks	100 Marks

With Regards,
Madhan N R,
Assistant Professor,
Mechanical Department,
KAMARAJ
College of Engg and Tech,
Virudhunagar.

Er. N.R. MADHAN

Dr. R. Sathishvelmurugan

Dr. S. Thangakasivagan

PROGRAM NAME	: CATIA (Parametric Design)
DEPARTMENT	: Mechanical Engineering
YEAR	: 3rd Year
DURATION OF PROGRAM	: 50 HOURS

Session Number	Modules	Topics
Session 1	**INTRODUCTION TO CATIA** **Sketch Creation Tools**	• Basic Terminologies • Concepts Related to CAD • Graphical User Interface & Customize • Understanding View Manipulation • Understanding standard toolbar. • **Entering Sketch Workbench:** Basic Sketching, Positioned Sketching • Understanding Sketch Tools • **Profile Creation Using:** Profile, Predefined Profile, Circle, Spline, Conic, Line, Point, Axis, Creating Construction/ Standard Element • **Constraints** & Sketch Workflow • **Editing Profile using:** Corner, Chamfer, Relimitations, Transformation, 3D Geometry
Session 2	**PART MODELING FEATURES**	• **Introduction to Part Design** • **Creating Sketch-Based Features:** Pad Definition, Drafted Filleted Pad Definition, Pocket Definition, Drafted Filleted Pocket, Shaft Definition, Groove Definition, Hole Definition. • **Creating Reference Element:** Plane Definition • **Creating Sketch-based Feature:** Rib Definition, Slot Definition, Stiffener Definition, Solid Combine Definition • **Applying Dress-Up Features:** Edge Fillet Definition, Variable Fillet Definition, Chordal Fillet Definition, Face-Face Fillet Definition, Tri-tangent Fillet Definition, Chamfer Definition • Exercises for practice
Session 3	**PART MODELING FEATURES**	• **Applying Dress-up Features:** Draft Definition, Draft Reflect Line Definition, Variable Angle Draft Definition, Shell Definition, Thickness Definition, Thread/Tap Definition, Remove/Replace Face Definition

		• **Creating Surface-Based Features:** Split Definition, Thick Surface Definition, Close Surface Definition, Sew Surface Definition • **Creating Reference Element:** Point Definition, Line Definition • **Creating Transformation Features**: Transformation Definition, Rotation Definition, Symmetry Definition, Axis to Axis Definition, Mirror Definition, Pattern – Rectangular/ Circular Pattern Definition, Scale Definition • **Exercises for practice**
Session 4	**PART MODELING FEATURES**	• **Applying Boolean Operations**: Assemble Definition, Add Definition, Remove Definition, Intersect Definition, Union Trim Definition, Remove Lump Definition. • **Applying Advanced Dress-up Features:** Draft both sides, Advanced Draft, Automatic Fillet, Automatic Draft • **Introduction to Assembly Design**: Understanding Top Down & Bottom-Up Approach • **Understanding Product Structure Tools**: New Component, New Product, New Part, Existing Component, Existing Component with Positioning • **Exercises for practice**
Session 5	**ASSEMBLY MODELING**	• **Understanding Constraints Toolbar**: Coincidence Constraints, Contact Constraints, Offset Constraints, Angle Constraints, Fix Component, Fix Together, Quick Constraint, Flexible/Rigid Sub-Assembly, Change Constraint, Reuse Pattern • **Understanding Move Toolbar**: Manipulation, Snap/Smart Move, Explode, Stop Manipulate on Clash. • **Assembly Features**: Split, Hole, Pocket, Add, Remove, Symmetry, Creating Publications. Applying Material
Session 6	**Drafting**	• Introduction to Drafting • Creating New Drawing File • **Creating Projection Views**: Front view, Un folded view, View from 3D, Projection, Auxiliary, Isometric, Advanced Front view

		• **Creating Sectional Views:** Offset Section view, Aligned Section view, Offset Section Cut, Aligned Section Cut. • **Creating Details Views:** Detail, Sketched Detail Profile, Quick Detail, Sketched Quick Detail Profile. • Creating Broken View, Creating Broke out View • Add 3D Clipping, Creating Wizard • **Adding Drawing Sheets:** Sheets, New View, Instantiate 2D Component • **Creating Dimensions Using:** Dimensions, Chained Dimensions, Cumulated Dimensions, Stacked Dimensions, Length Dimension, Angle Dimension, Radius Dimension, Diameter Dimension, Chamfer Dimension, Thread Dimension, Co-ordinate Dimension, Hole Dimension Table, Co-ordinate Dimension Table • **Understanding Annotations Toolbar:** Text, Symbols, Table, Add Leader • **Understanding Geometry creation Toolbar:** Points, Line, Circle and Ellipse, Profiles, Curves • **Understanding Geometry modification Toolbar:** Relimitations, Transformation, Constraints. • Project.

N.R.M.

R. Sakthivelmurugan

S. Thangakasiragan

Dr. S. Thangakasiragan

Er. N.R. MADHAN

Dr. R. Sakthivelmurugan

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
An Autonomous Institution
S.P.G. Chidambara Nadar & K. Nagammal Campus
S.P.G.C. Nagar, K. Vellakulam - 625 701 (Dist.) VIRUDHUNAGAR)

Department of Mechanical Engineering

Name of the course: CATIA
Participants: II year (2023 – 2027 Batch)
Conducted by: KARF TECHNOVATE

Date: 14.07.2025 to 19.07.2025 (6 Days)
Academic Year: 2025 – 2026 ODD
Venue: KCET MECH CAD LAB

Course Outcomes

After successful completion of the CATIA (Parametric Design) course,

Students will be able to

Co's		Details
CO1	:	Understand and utilize the CATIA interface and sketching tools for 2D design creation.
CO2	:	Create parametric 3D part models using basic and advanced Part Design features.
CO3	:	Apply transformation, surface features, and Boolean operations to develop complex part geometries.
CO4	:	Develop mechanical assemblies using bottom-up and top-down assembly techniques with appropriate constraints.
CO5	:	Generate engineering drawings with standard projections, sectional views, dimensions, and annotations using the Drafting Workbench.

Coordinators
Er.N.R. MADHAN
Dr. R. Sakthivelmurugan

HoD/Mech
Dr.S. Thangakarigan

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR)

Department of Mechanical Engineering

Name of the course: CATIA
Participants: III year (2023 – 2027 Batch)
Conducted by: KARF TECHNOVATE

Date: 14.07.2025 to 19.07.2025 (6 Days)
Academic Year: 2025 – 2026 ODD
Venue: KCET MECH CAD LAB

CO - PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
CO1	L	L	H	M	H	-	L	-	L	-	H	H	H
CO2	L	H	H	H	H	-	L	-	L	-	H	H	H
CO3	L	H	H	H	H	-	L	-	L	-	H	H	H
CO4	L	H	H	H	H	-	L	-	L	-	H	H	H
CO5	L	H	H	H	H	-	L	-	L	L	H	H	H

N.R. R.Sakthi

Coordinators

EY. N.R. MADHAN
Dr. R. Sakthivelmurugan

HoD/Mech

Dr. S. Thangakasiraajan

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR)

Department of Mechanical Engineering

Name of the course: CATIA
Participants: III year (2023 – 2027 Batch)
Conducted by: KARF TECHNOVATE

Date: 14.07.2025 to 19.07.2025 (6 Days)
Academic Year: 2025 – 2026 ODD
Venue: KCET MECH CAD LAB

SDG Mapping

CO's	SDG mapping with CO's		
CO1	SDG 04 - Quality Education	SDG 09 - Industry, Innovation, and Infrastructure	-
CO2	SDG 04 - Quality Education	SDG 09 - Industry, Innovation, and Infrastructure	SDG 12 - Responsible Consumption and Production
CO3	SDG 04 - Quality Education	SDG 09 - Industry, Innovation, and Infrastructure	SDG 12 - Responsible Consumption and Production
CO4	SDG 04 - Quality Education	SDG 09 - Industry, Innovation, and Infrastructure	SDG 12 - Responsible Consumption and Production
CO5	SDG 04 - Quality Education	SDG 09 - Industry, Innovation, and Infrastructure	-

Coordinators

Er. N. R. MADHAN
Dr. R. Sakthivelmurugan

HoD/Mech

Dr. S. Thangakasi Nagar

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR)

Department of Mechanical Engineering

Name of the course: CATIA
Participants: II year (2023 – 2027 Batch)
Conducted by: KARF TECHNOVATE

Date: 14.07.2025 to 19.07.2025 (6 Days)
Academic Year: 2025 – 2026 ODD
Venue: KCET MECH CAD LAB

Approval of Board of Study Meeting

Board of Study Meeting: IX

Mode: hybrid mode

Date & Timing: 07.12.2024 & 11.00 AM to 01.30 PM

009.04.03 : Value Added Courses offered if any

Specify the Value added courses conducted in the department

Dr.S Thangakasirajan HOD/Mech informed to BoS members that the following value added courses are offered for Mechanical Engineering students and the ratification needed

to include the credits earned by students from value added courses as over and above credits.

Sl.No.	Name of the Course	Year	Offered by	Date	No of Students
1	CATIA	III/Mech	INVENTATEC, Chennai	31.07.2023 to 05.08.2023	42
2	CAD using UG - NX	II/Mech	CIPET, Madurai	13.02.2024 to 19.02.2024	31
Proposed List of Value Added Course for upcoming Semester: CAD Tool, CAE Tool, CNC Coding, GD&T, HVAC and Piping Engineering.					

All the BoS members ratified and approved the same.

Coordinators

Er. N.R. MADHAN
Dr. R. Sakthivelmurugan

HoD/Mech

Dr. S. Thangakasirajan

KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

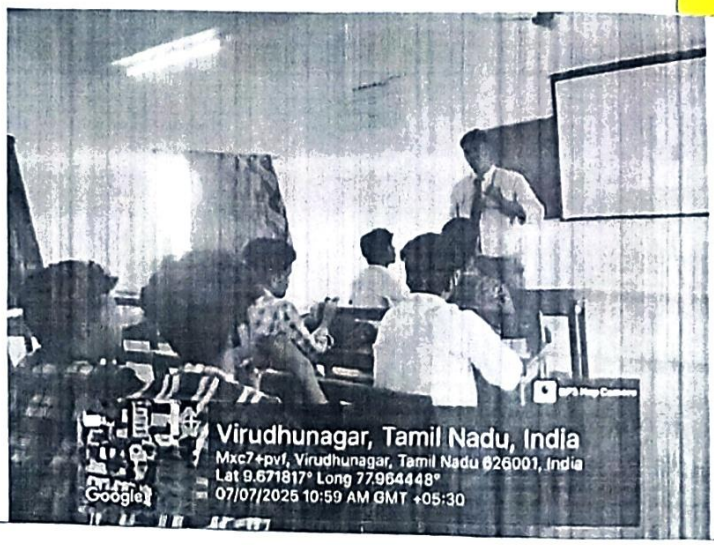
S.P.G Chidambara Nadar & C Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam - 625 701 (Dist. VIRUDHUNAGAR)

DEPARTMENT OF MECHANICAL ENGINEERING

Three-member committee meeting for value added course selection

Agenda		**Value Added Course Selection Meeting**
Date	:	07.07.2025
Time	:	09.10 AM
Venue	:	E15 Hall, Academic Block Four, Third Floor
Members Present	:	**Three Member Committee Members** 1. Dr. S. Thanga Kasi Rajan, ASP& HoD/Mech 2. Er.R.Sakthivel Murugan, AP/Mech 3. Er. N.R. Madhan, AP/Mech **Chairperson** 1. Er.R.Sakthivel Murugan, AP/Mech **Co-ordinators** 1. Er. N.R. Madhan, AP/Mech 1. Er.R.Sakthivel Murugan, AP/Mech **Class representative (2023 – 2027 Batch)** 1. Mr. Karthickeyan. M (23UME006), II Year/ Student 2. Mr. Sahi. D. V. (23UME014), II Year/ Student 3. Mr. Varuneshbalaa. M (23UME024), II Year/ Student 4. Mr. Shivakumaar. M (23UME029), II Year/ Student
Minutes of the Meeting	:	It is optional to complete a Value-Added Course for Regulation 2021. In this regard a three-member committee has been formed and a meeting is organized to select the course for registration. • Meeting started by 09.10 AM. Dr. S. Thanga Kasi Rajan, Associate Professor & Head of the Department, welcome the gathering. He has advised to maintain SOP for value added course. • Er. N. R. Madhan, Assistant Professor & Value-added course incharge has proposed course offered by o **KARF Technovate,** Kallakurichi. • Based on the suggestion and feedback given by the 2021-2025 Batch students, 3 committee members for Value added course and student representative, "CATIA" course is agreed to take in this IV semester for 2023-2027 Batch students. Courses were selected by the students based on their interested. **Justification for the Courses selection:** The justification for the course selection were as follows i. These courses will be useful for their project work ii. It is a 48-hour courses (3 Credits) iii. These courses are useful to meet the Industrial Needs iv. These courses are in emerging areas.

Proof		

Three Member Committee Members

Dr. S. Thanga Kasi Rajan ASP & HoD/Mech
Er.R Sakthivel Murugan, AP/Mech
Er. N.R. Madhan, AP/Mech

Er. N.R.MADHAN
Dr. R. Sakthivelmurugan
Dr. S. Thangakasiragan

Chairperson
Er.R Sakthivel Murugan, AP/Mech
Dr. R. Sakthivelmurugan

HoD/Mech
Dr. S. Thangakasiragan

Chief Coordinator Academic core
Dr. R. Suresh babu

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - G.Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

Department of Mechanical Engineering

Name of the course: CATIA
Participants: III year (2023 – 2027 Batch)
Conducted by: KARF TECHNOVATE

Date: 14.07.2025 to 19.07.2025 (6 Days)
Academic Year: 2025 – 2026 ODD
Venue: KCET MECH CAD LAB

Photo Proof

Inauguration Function on 14.07.2025

Expert Introduction by HoD/Mech

Theory Session handled by Expert

Lab practicing session

External Assessment Rubrics explained by Expert

Internal Assessment Rubrics explained by R. Sakthivel Murugan, AP/Mech.

External Assessment

Students created the CAD modelling for External Assessment on 18.09.2025

Internal Assessment

During the internal assessment, students created real time models were evaluated by 4 Internal Expert Committee

Valedictory Function

Group Photo Session

Coordinators

Er. N.R. MADHAN

Dr. R. Sakthivelmurugan

HoD/Mech

Dr. S. Thangakani Nagan

Outlook

INTERNAL ASSESSMENT NOTIFICATION for Value added Course on CATIA

From Madhan N.R <madhanmech@kamarajengg.edu.in>
Date Thu 7/17/2025 5:41 PM
To 23UME <23ume@kamarajengg.edu.in>
Cc MECH <mech@kamarajengg.edu.in>; manager@karf.in <manager@karf.in>; HODMECH <hodmech@kamarajengg.edu.in>

Dear students,

As part of the value-added course on **CATIA (Parametric Design)**, you are instructed to attend the **Internal Assessment** scheduled on **19th July 2025** without fail. Your active participation is mandatory and will be evaluated based on the following rubrics:

Assessment Rubrics

4 – Excellent, 3 – Very Good, 2 – Good, 1 - Satisfactory

Sl. No.	Description	Maximum Mark	Mark allocated				Mark obtained
			4	3	2	1	
1	Part Complication	15%	15	11.25	7.5	3.75	
2	Modelling Tool Used	15%	15	11.25	7.5	3.75	
3	Accuracy & Finishing	30%	30	22.5	15	7.5	
4	Detailing	30%	30	22.5	15	7.5	
5	Presentation	10%	10	7.5	5	2.5	
Total Mark Awarded							

Course: *Value-Added Course on CATIA*
Date: *19.07.2025 (Saturday)*
Venue: *MECH CAD Lab*
Timing: *10:00 AM to 01:00 PM*

Total Mark = 60% of External Assessment + 40% of Internal Assessment

Note: All students are strictly instructed to **attend the assessment without fail.** Absence will affect your course completion status and certification.

With Regards,
Madhan N.R,
Assistant Professor,
Mechanical Department,
KAMARAJ
College of Engg and Tech
Virudhunagar.

N.R. Madhan
R. Sakthivelmurugan

S. Thanga Kasivagan
Dr. S. Thanga Kasivagan

Er. N.R. MADHAN
Dr. R. Sakthivelmurugan

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution)

Department of Mechanical Engineering

Name of the course: CATIA | **Date: 14.07.2025 to 19.07.2025 (6 Days)**
Participants: III year (2023 – 2027 Batch) | **Academic Year: 2025 – 2026 ODD**
Conducted by: KARF TECHNOVATE | **Venue: KCET MECH CAD LAB**

Internal Assessment Question – CATIA Value-Added Course

Question:

You are required to bring a **real-world product** consisting of a **minimum of 2 parts and a maximum of 5 parts**.

a) Using CATIA, recreate each individual part of the product.

b) Assemble the parts in CATIA to form the complete product.

c) Create the detailed drawing (detailing) of the assembled product.

d) Prepare a presentation explaining:

- The product/model you selected
- The CATIA tools and features used in creating and assembling the model
- The challenges faced and how you addressed them

You will be evaluated based on the accuracy of modeling, assembly, detailing, and presentation clarity.

Coordinators Ex. N.R. MADHAN
Dr. R. Sakthivelmurugan

HoD/Mech
Dr. S. Thangakasivagan

Name Of Course: CATIA
Participants: III year (2023-27 Batch).
Conducted by: KARE TECHNOVATE
Date: 14-07-25 to 19-07-25 (6 Days).
Academic year: 2025-2026 ODD
Venue: KCET MECH CAD LAB.

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS) ★ DEPARTMENT OF MECHANICAL

ROLL NO: 23UMEO08.

Internal Examination.

Evaluator	Maximum Mark
1	96.25
2	96.25
3	100
4	88.75
Average mark.	96

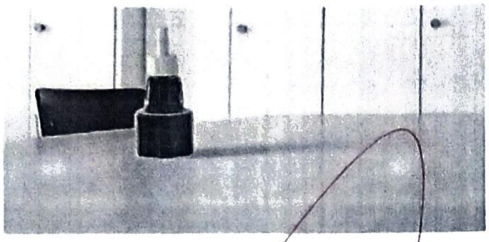
N.R.

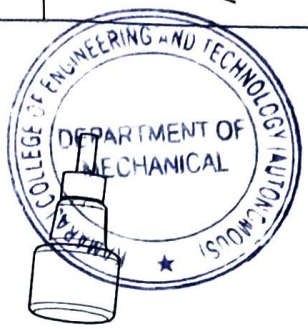
T. 19.7.25
Verified by

N.R. 19/7/25
Co-ordinator

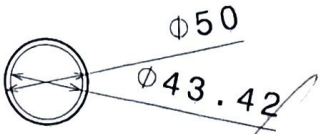
Ev. N.R. MADHAN

Ev. N.R. MADHAN

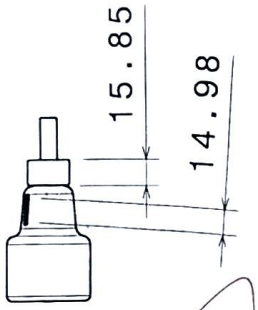




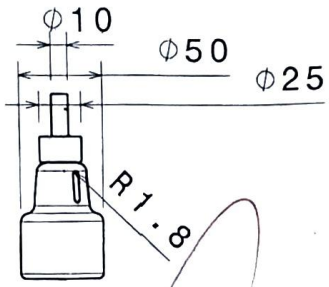
Isometric view
Scale: 1:4



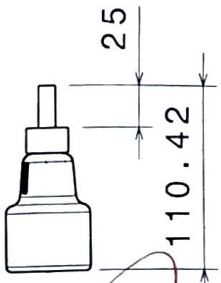
Bottom view
Scale: 1:4



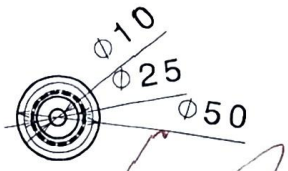
Right view
Scale: 1:4



Front view
Scale: 1:4



Left view
Scale: 1:4



Top view
Scale: 1:4

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

DRAWING TITLE

MOSQUITO KILLER REFILL

DRAWN BY: 23ume008	DATE: 19-07-2025	SIZE: A4	DRAWING NUMBER: 01	REV: X
CHECKED BY: XXX	DATE: 19-07-2025			
DESIGNED BY: XXX	DATE: 19-07-2025	SCALE: 1:4	WEIGHT(kg): 0.027	SHEET: 1/1

Department of Mechanical Engineering.

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS) DEPARTMENT OF MECHANICAL

Name Of the Course : CATIA Date : 14.7.25 to

ROLL NO : 23UMEO20 19.7.25 (6 Days)

Participants : III Year (2023 - 27)

Academic : 2025 - 26 ODD.

Conducted by : KARF TECHNOVATE

Venue : KCET Mech CAD Lab.

Internal Examination. Date : 19.07.2025.

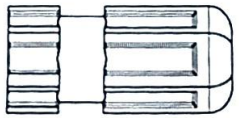
Evaluator	Maximum Mark.
1	90
2	86.25
3	78.75
4	43.75
Average mark	75

Verified by.

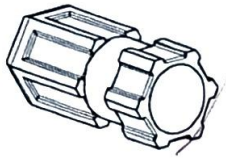
22/07/2025

Coordinators

EV.N.R.MADHAW

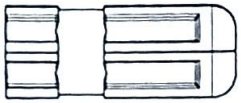


Bottom view
Scale: 1:2



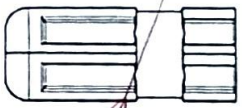
Isometric view
Scale: 1:2

Right view
Scale: 1:2

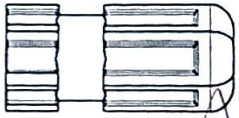


Front view
Scale: 1:2

Left view
Scale: 1:2



Rear view
Scale: 1:2



Top view
Scale: 1:2

30 degrees

This drawing is our property. It can't be reproduced or communicated without our written agreement.		Screw Drivermo]			
DRAWN BY 23ume020	DATE 19-07-2025	DRAWING TITLE XXX			
CHECKED BY XXX	DATE xxx	SIZE A3	DRAWING NUMBER XXX		REV X
DESIGNED BY XXX	DATE xxx	SCALE 1:2	WEIGHT(kg) XXX		SHEET 1/1

Department of Mechanical Engineering

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS) DEPARTMENT OF MECHANICAL

Name of the Course: CATIA
Date: 14.07.25 to 19.07.25
Participant: III year (23-27)
Academic year: 2025 - 2026 ODD
Conducted by: KAR TECHNOVATE
Venue: KECT MECH CAD LAB

Roll no: 03

Internal Examination

Evaluator	Maximum mark
1	36.25
2	50
3	57.5
4	25
	43

T. J 19.7.25
Verified by

N.R. 22/07/2025.
Coordinators

Ev. N.R. MADHAN

Front view
Scale: 1:2

Left view
Scale: 1:2

Top view
Scale: 1:2

DRAWN BY	23ume003
DATE	18 07 2025
CHECKED BY	XXX
APPD	XXX
SIZE	A4
SCALE	1:1
WT.	XXX
DRAWING NUMBER	920423114012

kcet

23ume003

Outlook

Invitation to Evaluate Student Projects – Value-Added Course - reg

From HODMECH <hodmech@kamarajengg.edu.in>
Date Fri 7/18/2025 10:58 PM
To HODECE <hodece@kamarajengg.edu.in>; CONTROLLER OF EXAMINATIONS <coe@kamarajengg.edu.in>
Cc Madhan.N.R <madhanmech@kamarajengg.edu.in>, Sakthivel Murugan.R <sakthivelmuruganmech@kamarajengg.edu.in>

Dear sir

We are pleased to invite you to evaluate the student projects completed as part of our Value-Added course.

We kindly request you to accept our invitation and join us for the evaluation on 19th July 2025 at 2:30 PM in the Mech CAD Lab.

Your presence and feedback will be greatly appreciated.

With thanks and regards

Dr. S. Thanga Kasi Rajan

Get Outlook for Android

N.R.M
R. Sakthi

Ev.N.R.MADHAN
Dr. R. Sakthivel murugan

J.Th.K.Th

Dr.S.Thangakasivagan

KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR)

Department of Mechanical Engineering

Name of the course: CATIA

Participants: III year (2023 – 2027 Batch)

Conducted by: KARF TECHNOVATE

Date: 14.07.2025 to 19.07.2025 (6 Days)

Academic Year: 2025 – 2026 ODD

Venue: KCET MECH CAD LAB

Internal Assessment Report

Details of the Evaluator 1: Dr.R.Suresh Babu,

Chief Coordinator Academic core.

S No	Roll No	Name	Rubrics Mark (Out of 4)					Rubrics Mark (Out of maximum weightage)					Total Mark (100)
			R1	R2	R3	R4	R5	M1	M2	M3	M4	M5	
1	23UME001	HARISH BALA R	1	2	1	1	1	3.75	7.5	7.5	7.5	2.5	28.75
2	23UME002	DHARINEESH S	4	4	4	3	3	15	15	30	22.5	7.5	90
3	23UME003	MUKILARASAN M	2	3	1	1	1	7.5	11.25	7.5	7.5	2.5	36.25
4	23UME004	MUTHURAJA M	4	4	4	4	3	15	15	30	30	7.5	97.5
5	23UME005	BALAGANESH S	2	2	2	1	2	7.5	7.5	15	7.5	5	42.5
6	23UME006	KARTHICKEYAN M	3	4	3	3	3	11.25	15	22.5	22.5	7.5	78.75
7	23UME007	SUBRAMANI PANDI K	4	4	4	3	4	15	15	30	22.5	10	92.5
8	23UME008	ARAVIND KUMAR M	4	3	4	4	4	15	11.25	30	30	10	96.25
9	23UME010	VASANTHKUMAR N	3	3	3	3	2	11.25	11.25	22.5	22.5	5	72.5
10	23UME011	ASHWIN K	4	3	3	3	4	15	11.25	22.5	22.5	10	81.25
11	23UME012	YOKAHARIHARAN D	3	3	3	3	3	11.25	11.25	22.5	22.5	7.5	75
12	23UME013	MAYILKANI B	4	3	3	2	2	15	11.25	22.5	15	5	68.75
13	23UME014	SAHI D V	4	3	2	4	4	15	11.25	15	30	10	81.25
14	23UME015	VISHAL M	4	4	4	4	3	15	15	30	30	7.5	97.5
15	23UME018	THANGAPANDIRAJA M	4	4	4	4	4	15	15	30	30	10	100
16	23UME019	PON GANESH RAM M	4	4	4	4	3	15	15	30	30	7.5	97.5
17	23UME020	BALAKRISHNAN P	4	4	4	3	3	15	15	30	22.5	7.5	90
18	23UME021	GIRIDHARAN N	3	3	2	3	3	11.25	11.25	15	22.5	7.5	67.5
19	23UME023	MAHALINGAM N	3	2	2	3	3	11.25	7.5	15	22.5	7.5	63.75
20	23UME024	VARUNESHBALAA M	4	4	3	4	4	15	15	22.5	30	10	92.5
21	23UME025	ARUN PRAKASH S	3	3	3	3	2	11.25	11.25	22.5	22.5	5	72.5
22	23UME026	SHARUKESH J	3	4	2	3	3	11.25	15	15	22.5	7.5	71.25
23	23UME027	SIVAKUMAR.V	2	2	2	2	2	7.5	7.5	15	15	5	50
24	23UME028	THARUNRAJ.P S	4	3	4	4	3	15	11.25	30	30	7.5	93.75
25	23UME029	SHIVAKUMAAR.M	4	4	3	3	3	15	15	22.5	22.5	7.5	82.5
26	23UME030	ESAKKI SUDHAN.E	4	3	2	2	3	15	11.25	15	15	7.5	63.75

R.S – Sd 19/7/25

Signature of the Evaluator 1
Dr.R.Suresh Babu,
Chief Coordinator Academic core.

S.Thangakasivagan

HoD/Mech

Dr. S. Thangakasivagan

Rubrics Descriptions

R1 - Part Complication (15%), **R2** - Modelling Tool Used (15%) **R3** - Accuracy & Finishing (30%) **R4** – Detailing (30%) **R5** – Presentation(10%)

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - K.Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

Department of Mechanical Engineering

Name of the course: CATIA
Participants: II year (2023 – 2027 Batch)
Conducted by: KARF TECHNOVATE

Date: 14.07.2025 to 19.07.2025 (6 Days)
Academic Year: 2025 – 2026 ODD
Venue: KCET MECH CAD LAB

Internal Assessment Report

Details of the Evaluator 2: Dr.S.Gandhi,
Controller of Examinations.

S No	Roll No	Name	Rubrics Mark (Out of 4)					Rubrics Mark (Out of maximum weightage)					Total Mark (100)
			R1	R2	R3	R4	R5	M1	M2	M3	M4	M5	
1	23UME001	HARISH BALA R	1	2	3	3	3	3.75	7.5	22.5	22.5	7.5	63.75
2	23UME002	DHARINEESH S	3	3	3	3	3	11.25	11.25	22.5	22.5	7.5	75
3	23UME003	MUKILARASAN M	2	2	2	2	2	7.5	7.5	15	15	5	50
4	23UME004	MUTHURAJA M	4	3	3	4	3	15	11.25	22.5	30	7.5	86.25
5	23UME005	BALAGANESH S	2	2	3	3	2	7.5	7.5	22.5	22.5	5	65
6	23UME006	KARTHICKEYAN M	4	3	3	4	3	15	11.25	22.5	30	7.5	86.25
7	23UME007	SUBRAMANI PANDI K	3	3	3	3	3	11.25	11.25	22.5	22.5	7.5	75
8	23UME008	ARAVIND KUMAR M	4	3	4	4	4	15	11.25	30	30	10	96.25
9	23UME010	VASANTHKUMAR N	3	3	4	3	3	11.25	11.25	30	22.5	7.5	82.5
10	23UME011	ASHWIN K	3	2	3	3	2	11.25	7.5	22.5	22.5	5	68.75
11	23UME012	YOKAHARIHARAN D	3	4	3	3	3	11.25	15	22.5	22.5	7.5	78.75
12	23UME013	MAYILKANI B	3	3	3	3	3	11.25	11.25	22.5	22.5	7.5	75
13	23UME014	SAHI D V	3	4	3	4	4	11.25	15	22.5	30	10	88.75
14	23UME015	VISHAL M	3	3	3	4	4	11.25	11.25	22.5	30	10	85
15	23UME018	THANGAPANDIRAJA M	4	3	4	4	3	15	11.25	30	30	7.5	93.75
16	23UME019	PON GANESH RAM M	3	2	3	3	3	11.25	7.5	22.5	22.5	7.5	71.25
17	23UME020	BALAKRISHNAN P	3	4	4	3	3	11.25	15	30	22.5	7.5	86.25
18	23UME021	GIRIDHARAN N	4	3	2	2	3	15	11.25	15	15	7.5	63.75
19	23UME023	MAHALINGAM N	4	3	3	3	3	15	11.25	22.5	22.5	7.5	78.75
20	23UME024	VARUNESHBALAA M	3	4	3	3	4	11.25	15	22.5	22.5	10	81.25
21	23UME025	ARUN PRAKASH S	4	3	4	4	3	15	11.25	30	30	7.5	93.75
22	23UME026	SHARUKESH J	3	3	2	3	2	11.25	11.25	15	22.5	5	65
23	23UME027	SIVAKUMAR.V	2	2	2	3	3	7.5	7.5	15	22.5	7.5	60
24	23UME028	THARUNRAJ.P.S	3	4	3	3	3	11.25	15	22.5	22.5	7.5	78.75
25	23UME029	SHIVAKUMAAR.M	3	3	4	3	3	11.25	11.25	30	22.5	7.5	82.5
26	23UME030	ESAKKI SUDHAN.E	3	3	2	3	3	11.25	11.25	15	22.5	7.5	67.5

S. Gandhi.
Signature of the Evaluator 2
Dr.S.Gandhi,
Controller of Examinations.

HoD/Mech
Dr. S. Thangakani ragavi

Rubrics Descriptions

R1 - Part Complication (15%), R2 - Modelling Tool Used (15%) R3 - Accuracy & Finishing (30%) R4 – Detailing (30%) R5 – Presentation(10%)

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G. Chidambara Nadar - C. Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR)

Department of Mechanical Engineering

Name of the course: CATIA
Participants: II year (2023 – 2027 Batch)
Conducted by: KARF TECHNOVATE

Date: 14.07.2025 to 19.07.2025 (6 Days)
Academic Year: 2025 – 2026 ODD
Venue: KCET MECH CAD LAB

Internal Assessment Report

Details of the Evaluator 3: Dr. S. Thanga Kasi Rajan,
HoD/MECH.

S No	Roll No	Name	Rubrics Mark (Out of 4)					Rubrics Mark (Out of maximum weightage)					Total Mark (100)
			R1	R2	R3	R4	R5	M1	M2	M3	M4	M5	
1	23UME001	HARISH BALA R	2	3	3	3	2	7.5	11.25	22.5	22.5	5	68.75
2	23UME002	DHARINEESH S	4	4	4	4	3	15	15	30	30	7.5	97.5
3	23UME003	MUKILARASAN M	3	3	3	1	2	11.25	11.25	22.5	7.5	5	57.5
4	23UME004	MUTHURAJA M	4	4	4	4	3	15	15	30	30	7.5	97.5
5	23UME005	BALAGANESH S	2	3	3	3	2	7.5	11.25	22.5	22.5	5	68.75
6	23UME006	KARTHICKEYAN M	4	4	4	4	3	15	15	30	30	7.5	97.5
7	23UME007	SUBRAMANI PANDI K	3	4	3	3	3	11.25	15	22.5	22.5	7.5	78.75
8	23UME008	ARAVIND KUMAR M	4	4	4	4	4	15	15	30	30	10	100
9	23UME010	VASANTHKUMAR N	4	4	4	3	3	15	15	30	22.5	7.5	90
10	23UME011	ASHWIN K	4	4	3	4	3	15	15	22.5	30	7.5	90
11	23UME012	YOKAHARIHARAN D	4	4	3	3	3	15	15	22.5	22.5	7.5	82.5
12	23UME013	MAYILKANI B	4	4	4	4	3	15	15	30	30	7.5	97.5
13	23UME014	SAHI D V	4	4	3	4	4	15	15	22.5	30	10	92.5
14	23UME015	VISHAL M	4	4	3	4	4	15	15	22.5	30	10	92.5
15	23UME018	THANGAPANDIRAJA M	4	4	4	3	3	15	15	30	22.5	7.5	90
16	23UME019	PON GANESH RAM M	4	4	4	4	4	15	15	30	30	10	100
17	23UME020	BALAKRISHNAN P	3	4	3	3	3	11.25	15	22.5	22.5	7.5	78.75
18	23UME021	GIRIDHARAN N	4	4	3	4	3	15	15	22.5	30	7.5	90
19	23UME023	MAHALINGAM N	4	4	4	4	3	15	15	30	30	7.5	97.5
20	23UME024	VARUNESHBALAA M	3	4	3	4	4	11.25	15	22.5	30	10	88.75
21	23UME025	ARUN PRAKASH S	4	4	3	3	4	15	15	22.5	22.5	10	85
22	23UME026	SHARUKESH J	4	4	3	3	3	15	15	22.5	22.5	7.5	82.5
23	23UME027	SIVAKUMAR.V	2	2	3	3	2	7.5	7.5	22.5	22.5	5	65
24	23UME028	THARUNRAJ.P.S	3	3	3	3	2	11.25	11.25	22.5	22.5	5	72.5
25	23UME029	SHIVAKUMAAR.M	4	4	4	4	3	15	15	30	30	7.5	97.5
26	23UME030	ESAKKI SUDHAN.E	4	3	3	2	2	15	11.25	22.5	15	5	68.75

Signature of the Evaluator 3
Dr.S.Thanga Kasi Rajan
HoD/MECH

HoD/Mech
Dr. S. Thangakasiraja

Rubrics Descriptions

R1 - Part Complication (15%), **R2** - Modelling Tool Used (15%) **R3** - Accuracy & Finishing (30%) **R4** – Detailing (30%) **R5** – Presentation(10%)

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G. Chidambara Nadar - C. Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near) VIRUDHUNAGAR)

Department of Mechanical Engineering

Name of the course: CATIA
Participants: II year (2023 – 2027 Batch)
Conducted by: KARF TECHNOVATE

Date: 14.07.2025 to 19.07.2025 (6 Days)
Academic Year: 2025 – 2026 ODD
Venue: KCET MECH CAD LAB

Internal Assessment Report

Details of the Evaluator 4: Dr. R. Sakthivel Murugan,

AP/MECH

S No	Roll No	Name	Rubrics Mark (Out of 4)					Rubrics Mark (Out of maximum weightage)					Total Mark (100)
			R1	R2	R3	R4	R5	M1	M2	M3	M4	M5	
1	23UME001	HARISH BALA R	1	1	1	1	1	3.75	3.75	7.5	7.5	2.5	25
2	23UME002	DHARINEESH S	3	3	2	2	2	11.25	11.25	15	15	5	57.5
3	23UME003	MUKILARASAN M	1	1	1	1	1	3.75	3.75	7.5	7.5	2.5	25
4	23UME004	MUTHURAJA M	3	3	3	2	3	11.25	11.25	22.5	15	7.5	67.5
5	23UME005	BALAGANESH S	1	1	1	1	1	3.75	3.75	7.5	7.5	2.5	25
6	23UME006	KARTHICKEYAN M	3	3	3	2	3	11.25	11.25	22.5	15	7.5	67.5
7	23UME007	SUBRAMANI PANDI K	2	2	2	3	3	7.5	7.5	15	22.5	7.5	60
8	23UME008	ARAVIND KUMAR M	4	3	4	3	4	15	11.25	30	22.5	10	88.75
9	23UME010	VASANTHKUMAR N	4	4	4	3	3	15	15	30	22.5	7.5	90
10	23UME011	ASHWIN K	3	3	2	1	1	11.25	11.25	15	7.5	2.5	47.5
11	23UME012	YOKAHARIHARAN D	3	3	2	1	3	11.25	11.25	15	7.5	7.5	52.5
12	23UME013	MAYILKANI B	3	3	4	3	3	11.25	11.25	30	22.5	7.5	82.5
13	23UME014	SAHI D V	4	4	4	3	4	15	15	30	22.5	10	92.5
14	23UME015	VISHAL M	4	2	3	2	3	15	7.5	22.5	15	7.5	67.5
15	23UME018	THANGAPANDIRAJA M	3	2	1	1	2	11.25	7.5	7.5	7.5	5	38.75
16	23UME019	PON GANESH RAM M	4	3	4	2	3	15	11.25	30	15	7.5	78.75
17	23UME020	BALAKRISHNAN P	2	3	2	1	1	7.5	11.25	15	7.5	2.5	43.75
18	23UME021	GIRIDHARAN N	3	3	4	3	3	11.25	11.25	30	22.5	7.5	82.5
19	23UME023	MAHALINGAM N	4	3	4	4	3	15	11.25	30	30	7.5	93.75
20	23UME024	VARUNESHBALAA M	2	3	3	2	3	7.5	11.25	22.5	15	7.5	63.75
21	23UME025	ARUN PRAKASH S	2	3	2	1	2	7.5	11.25	15	7.5	5	46.25
22	23UME026	SHARUKESH J	3	3	4	2	4	11.25	11.25	30	15	10	77.5
23	23UME027	SIVAKUMAR.V	1	1	1	1	1	3.75	3.75	7.5	7.5	2.5	25
24	23UME028	THARUNRAJ.P.S	3	3	3	1	1	11.25	11.25	22.5	7.5	2.5	55
25	23UME029	SHIVAKUMAAR.M	4	3	4	1	3	15	11.25	30	7.5	7.5	71.25
26	23UME030	ESAKKI SUDHAN.E	4	3	2	1	3	15	11.25	15	7.5	7.5	56.25

Signature of the Evaluator 4
Dr. R. Sakthivel Murugan
AP/MECH

HoD/Mech
Dr. S. Thangakasiragan

Rubrics Descriptions

R1 - Part Complication (15%), **R2** - Modelling Tool Used (15%) **R3** - Accuracy & Finishing (30%) **R4** – Detailing (30%) **R5** – Presentation(10%)

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G. Chidambara Nadar - C. Nagammal Campus
S.P.G.C. Nagar, K. Vellakulam - 625 701 (Post), VIRUDHUNAGAR)

Department of Mechanical Engineering

Name of the course: CATIA
Participants: II year (2023 – 2027 Batch)
Conducted by: KARF TECHNOVATE

Date: 14.07.2025 to 19.07.2025 (6 Days)
Academic Year: 2025 – 2026 ODD
Venue: KCET MECH CAD LAB

Internal Assessment Report

E1 - Evaluator 1: Dr.R.Suresh Babu, Chief Coordinator Academic core.
E2 - Evaluator 2: Dr.S.Gandhi, Controller of Examinations.
E3 - Evaluator 3: Dr. S. Thanga Kasi Rajan, HoD/MECH.
E4 - Evaluator 4: Dr. R. Sakthivel Murugan, AP/MECH.

S No	Roll No	Reg No	Name	Evaluator Mark (Out of 100 Marks)				Total Mark (100)
				E1	E2	E3	E4	
1	23UME001	920423114008	HARISH BALA R	28.75	63.75	68.75	25	47
2	23UME002	920423114006	DHARINEESH S	90	75	97.5	57.5	80
3	23UME003	920423114012	MUKILARASAN M	36.25	50	57.5	25	43
4	23UME004	920423114013	MUTHURAJA M	97.5	86.25	97.5	67.5	88
5	23UME005	920423114004	BALAGANESH S	42.5	65	68.75	25	51
6	23UME006	920423114009	KARTHICKEYAN M	78.75	86.25	97.5	67.5	83
7	23UME007	920423114018	SUBRAMANI PANDI K	92.5	75	78.75	60	77
8	23UME008	920423114001	ARAVIND KUMAR M	96.25	96.25	100	88.75	96
9	23UME010	920423114021	VASANTHKUMAR N	72.5	82.5	90	90	84
10	23UME011	920423114003	ASHWIN K	81.25	68.75	90	47.5	72
11	23UME012	920423114023	YOKAHARIHARAN D	75	78.75	82.5	52.5	73
12	23UME013	920423114011	MAYILKANI B	68.75	75	97.5	82.5	81
13	23UME014	920423114015	SAHI D V	81.25	88.75	92.5	92.5	89
14	23UME015	920423114022	VISHAL M	97.5	85	92.5	67.5	86
15	23UME018	920423114019	THANGAPANDIRAJA M	100	93.75	90	38.75	81
16	23UME019	920423114014	PON GANESH RAM M	97.5	71.25	100	78.75	87
17	23UME020	920423114005	BALAKRISHNAN P	90	86.25	78.75	43.75	75
18	23UME021	920423114007	GIRIDHARAN N	67.5	63.75	90	82.5	76
19	23UME023	920423114010	MAHALINGAM N	63.75	78.75	97.5	93.75	84
20	23UME024	920423114020	VARUNESHBALAA M	92.5	81.25	88.75	63.75	82
21	23UME025	920423114002	ARUN PRAKASH S	72.5	93.75	85	46.25	75
22	23UME026	920423114016	SHARUKESH J	71.25	65	82.5	77.5	75
23	23UME027	920423114303	SIVAKUMAR V	50	60	65	25	50
24	23UME028	920423114304	THARUNRAJ P.S	93.75	78.75	72.5	55	75
25	23UME029	920423114302	SHIVAKUMAAR M	82.5	82.5	97.5	71.25	84
26	23UME030	920423114301	ESAKKI SUDHAN.E	63.75	67.5	68.75	56.25	65

Coordinators
Er.N.R. MADHAN
Dr.R. Sakthivelmurugan

HoD/Mech
Dr. S. Thangakasivaggan

Rubrics Descriptions

R1 - Part Complication (15%), R2 - Modelling Tool Used (15%) R3 - Accuracy & Finishing (30%) R4 – Detailing (30%) R5 – Presentation(10%)

Outlook

Circular | VAC on CATIA | External Assessment | 18.07.2025

From Madhan N R <madhanmech@kamarajengg.edu.in>
Date Thu 7/17/2025 12:43 PM
To 23UME <23ume@kamarajengg.edu.in>
Cc Sakthivel Murugan.R <sakthivelmuruganmech@kamarajengg.edu.in>, HODMECH <hodmech@kamarajengg.edu.in>, manager@karf.in <manager@karf.in>

Dear students,

As part of the Value-Added Course, you are instructed to attend the **External Assessment** scheduled on **18.07.2025** without fail. The assessment details are as follows.

External Assessment Rubrics

Sl No.	Description	Mark Allocation
1	Part Diagram	40
2	Assembly Diagram	20
3	Drafting	30
4	Design Consideration	10
Total		100

Venue: MECH CAD LAB

Note: Attendance is mandatory. Ensure you come prepared with all necessary materials.

Final Mark = 60% of External Assessment + 40% of Internal Assessment

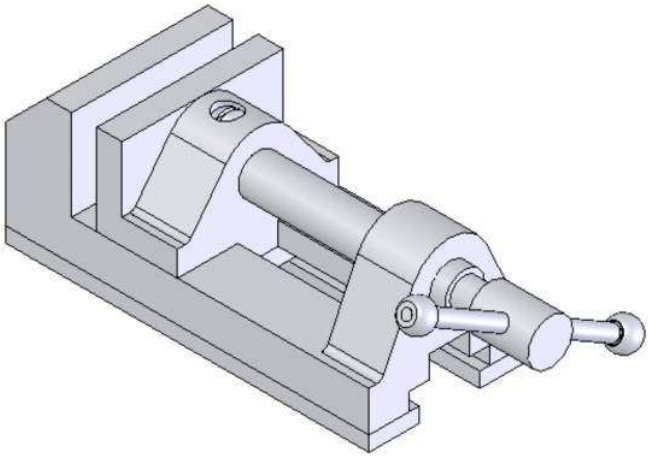
With Regards,
Madhan N R,
Assistant Professor,
Mechanical Department,
KAMARAJ
College of Engg and Tech
Virudhunagar.

Er. N. R. MADHAN
Dr. R. Sakthivelmurugan

Dr. S. Thangakasiragan

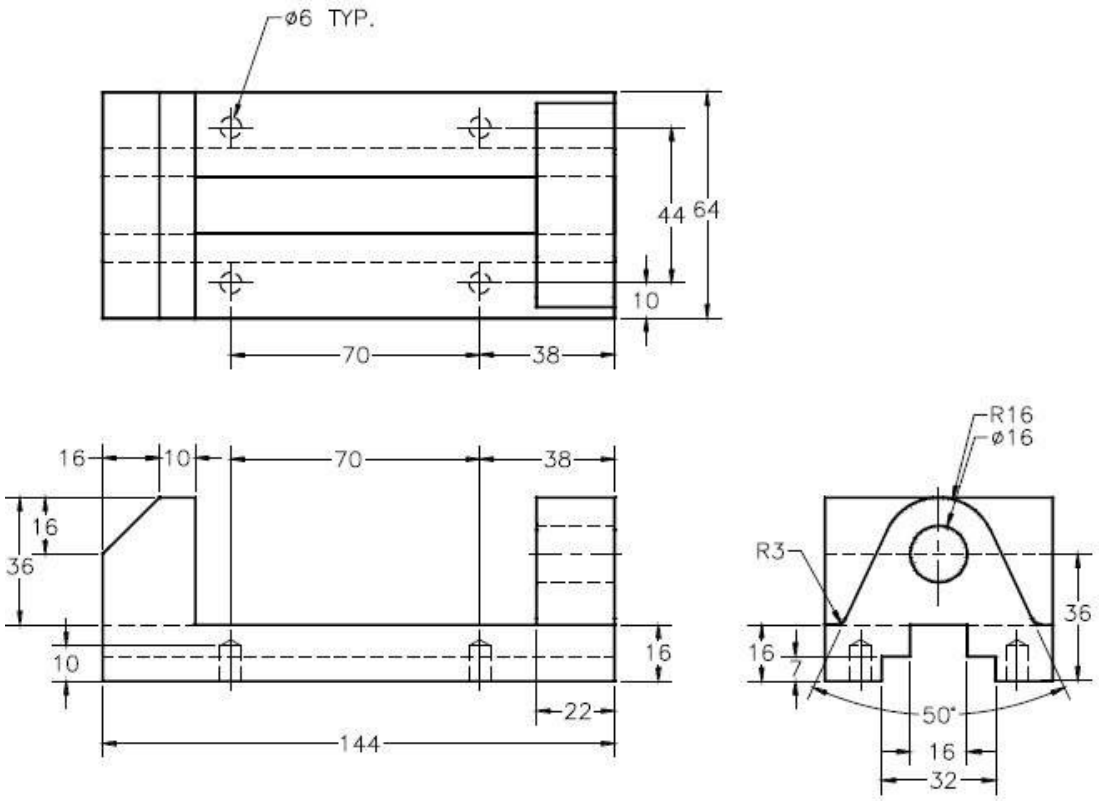
Assignment 1

Bench vice Assembly

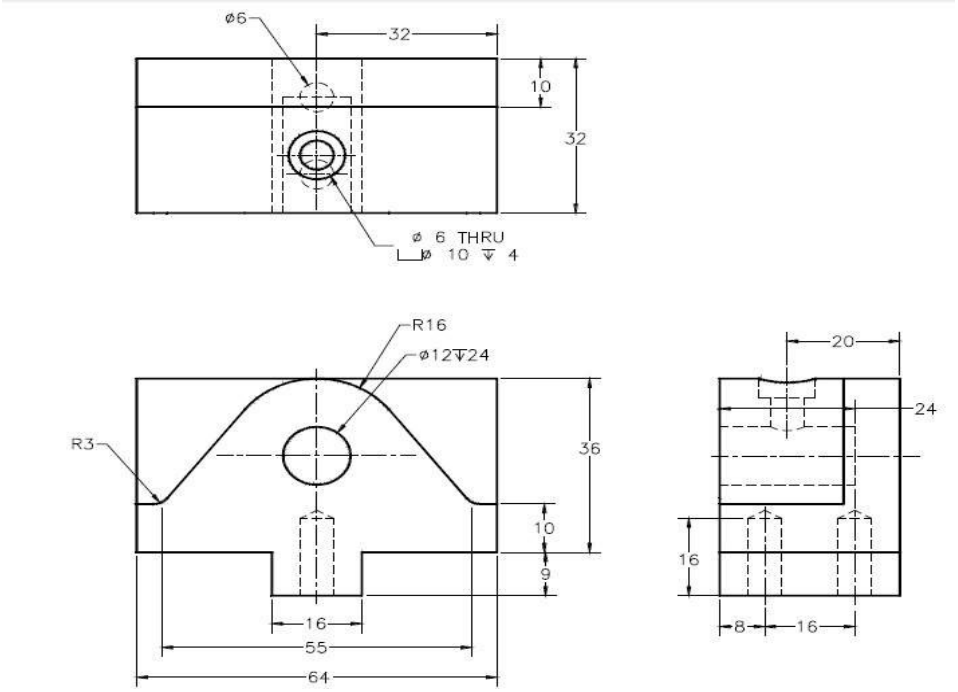


Isometric view

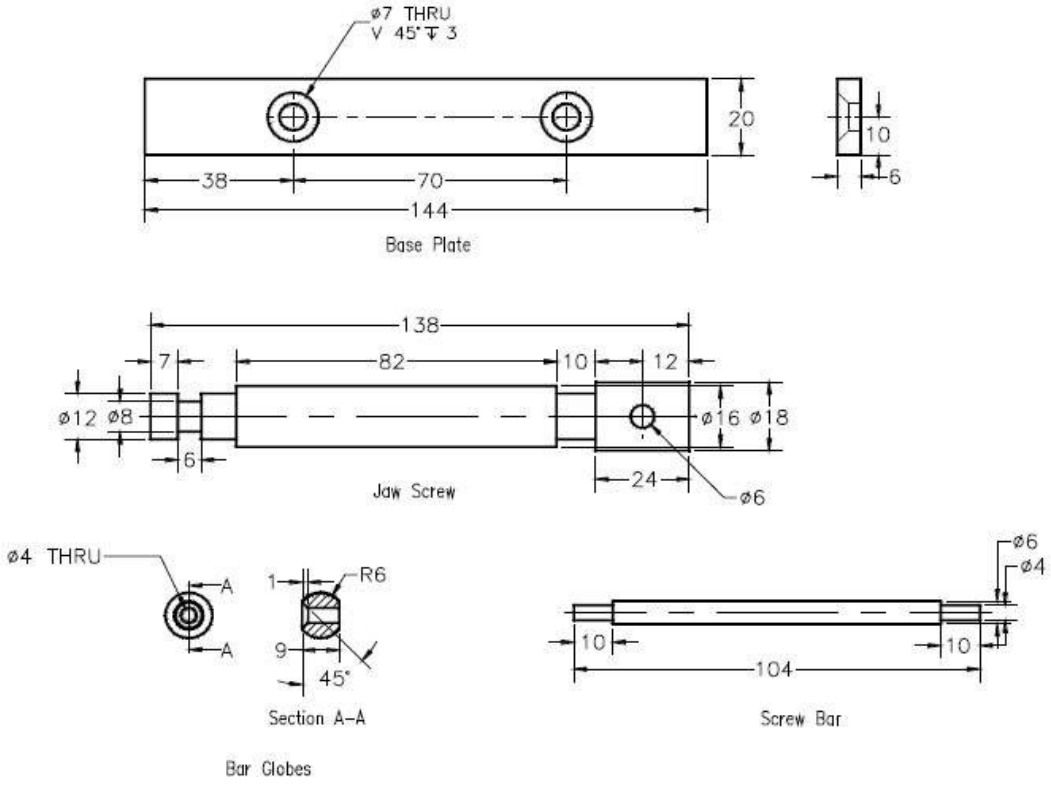
1. **Base**

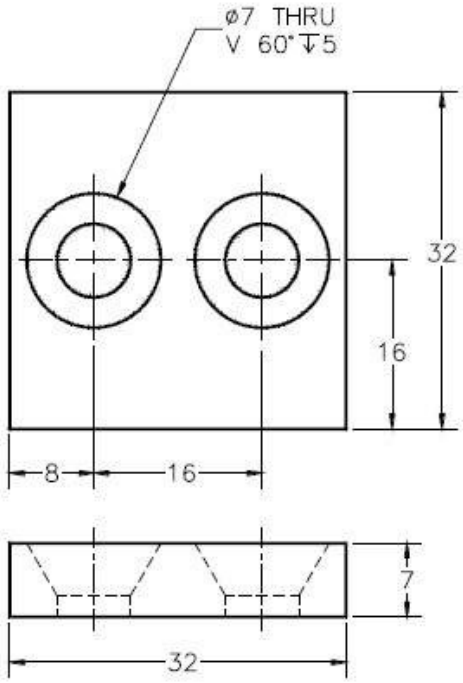


2. Vice Jaw

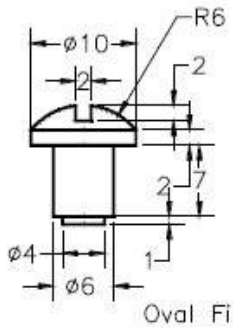


3. Components of Bench vice assembly

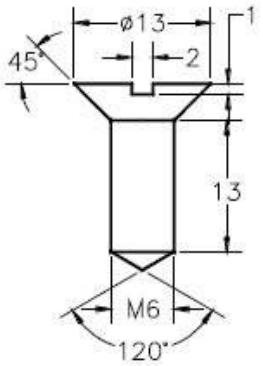




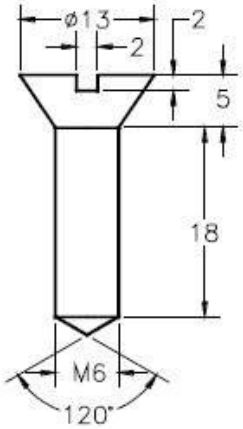
Clamping Plate



Oval Fillister



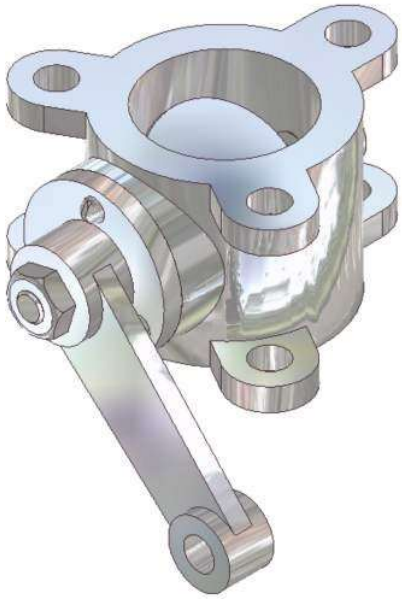
Set Screw 1



Set Screw 2

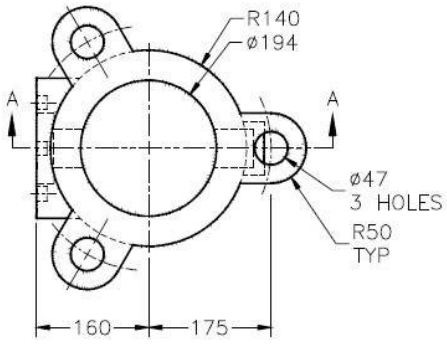
Assignment 2

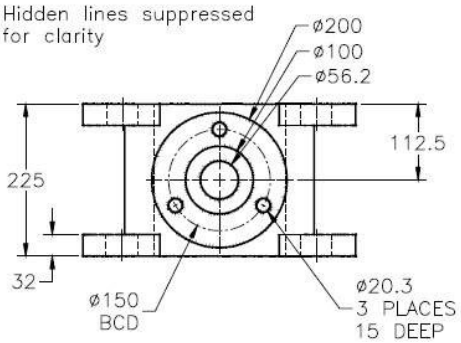
Butterfly Valve Assembly

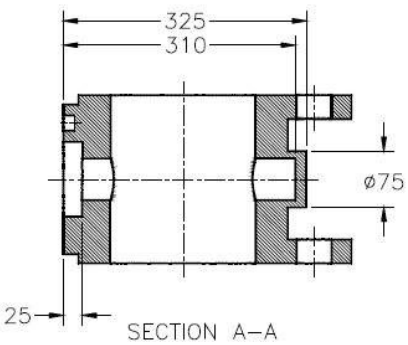


Isometric view

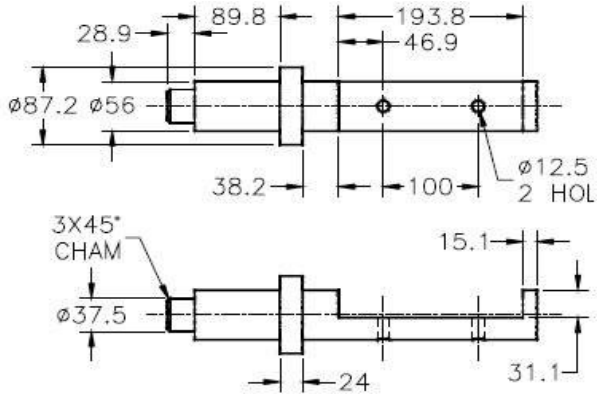
1. Body



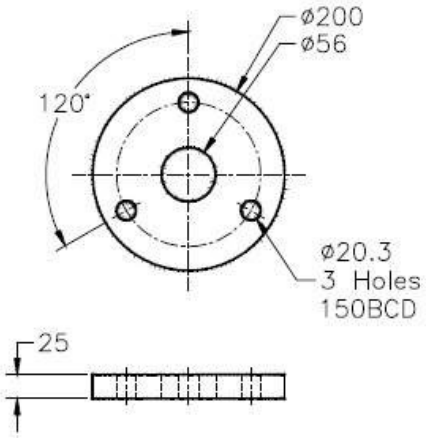




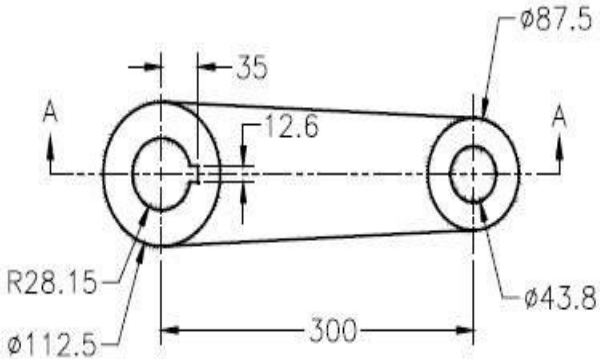
2. Shaft

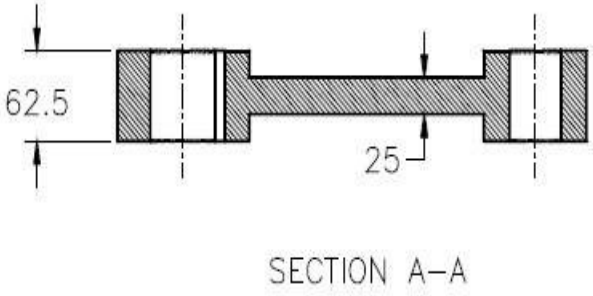


3. Retainer

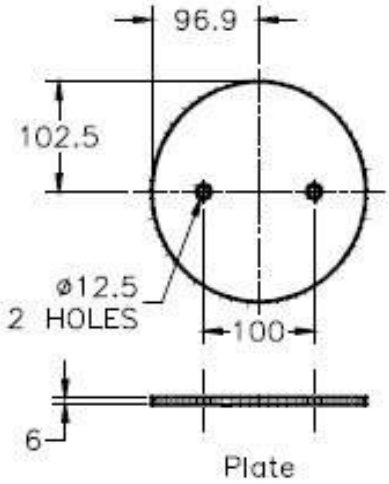


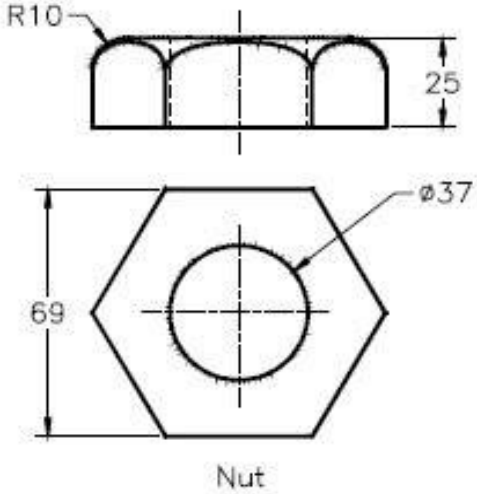
4. Arm

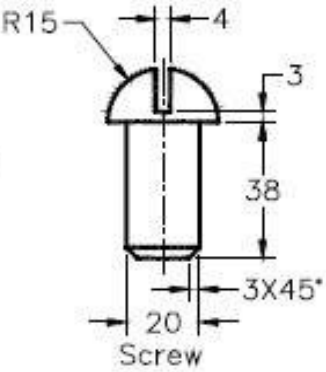




5. Plate, Nut and Screw

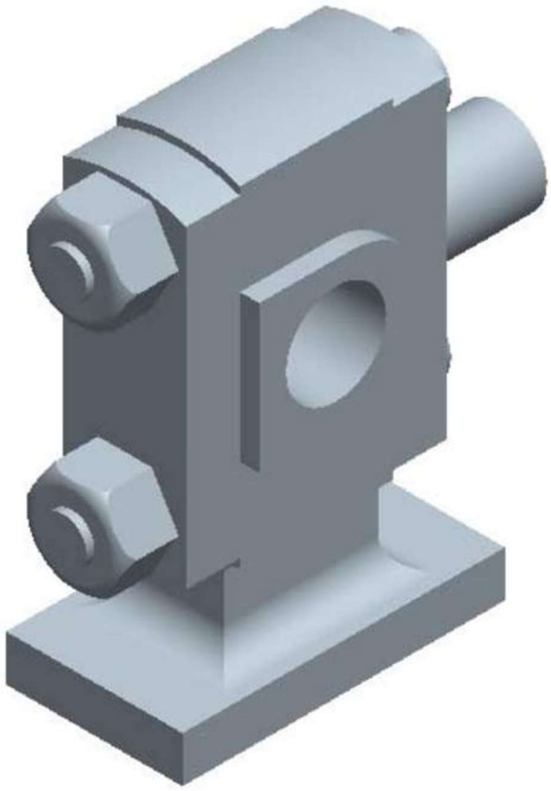




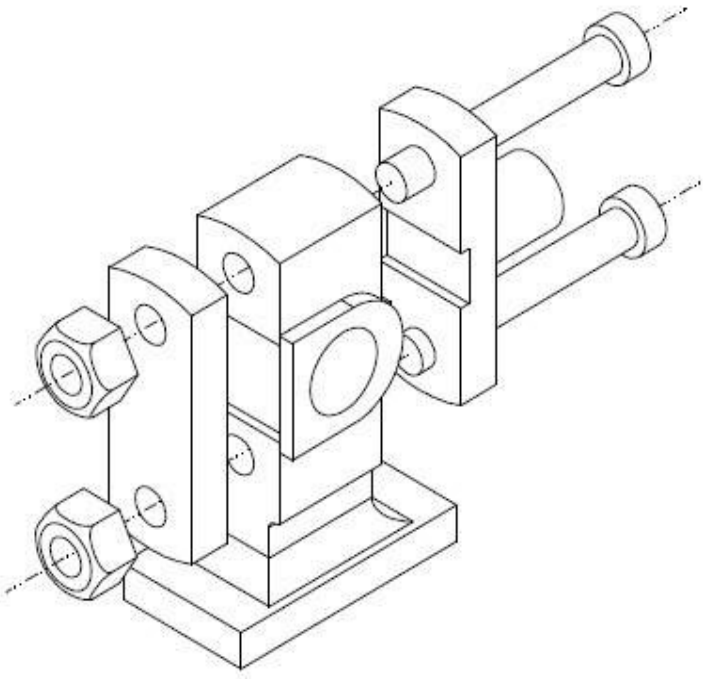


Assignment 3

Crosshead Assembly

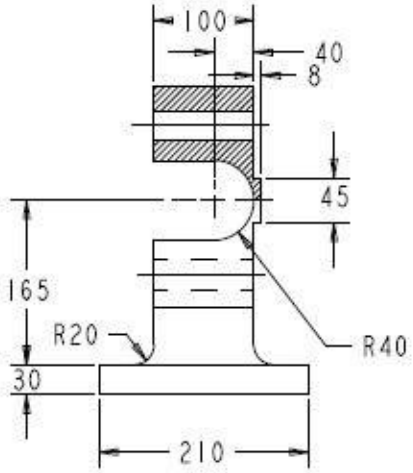


Isometric View

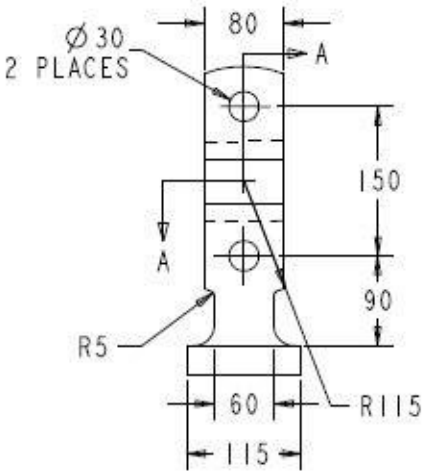


Exploded View

1. **Body**

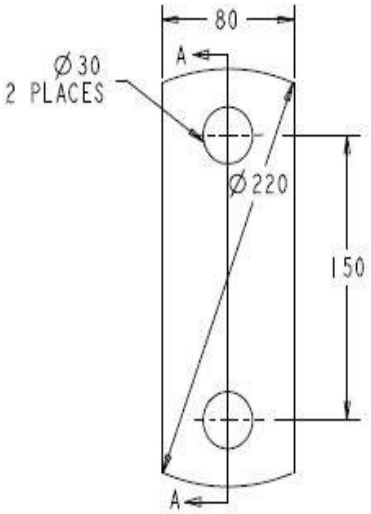


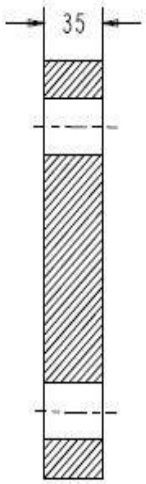
Front view



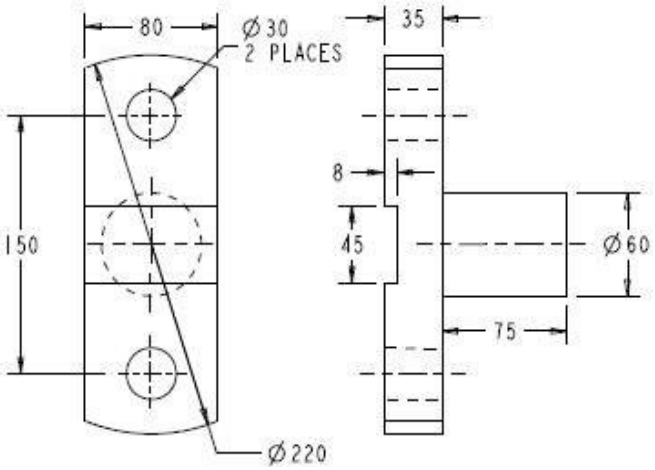
Right side view

2. Keep Plate

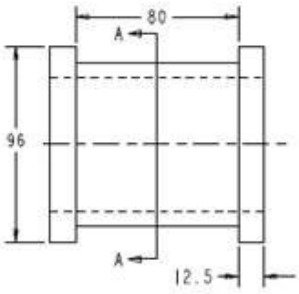


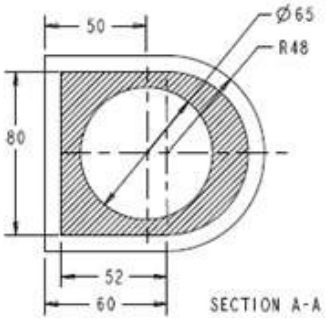


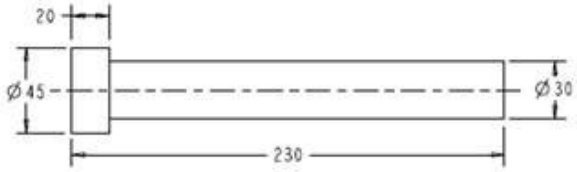
3. Piston Rod



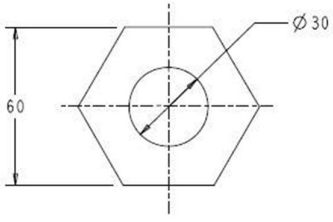
4. Brass and Bolt

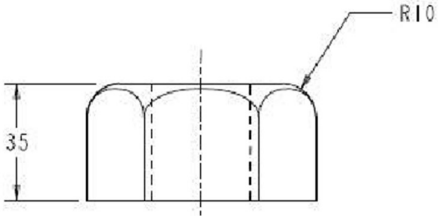






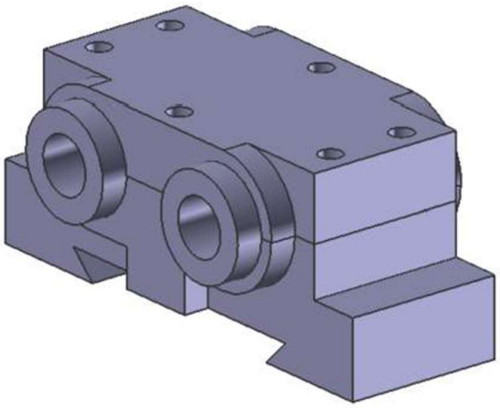
5. Nut



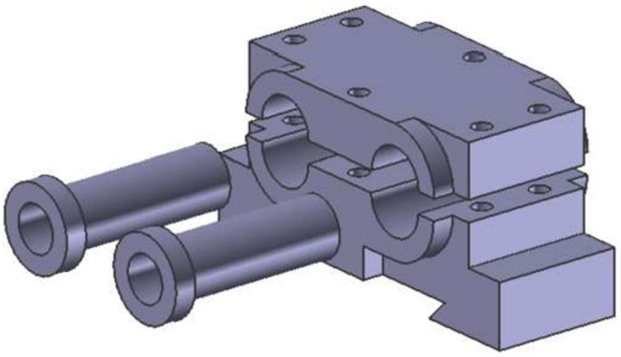


Assignment 4

Double Bearing Assembly

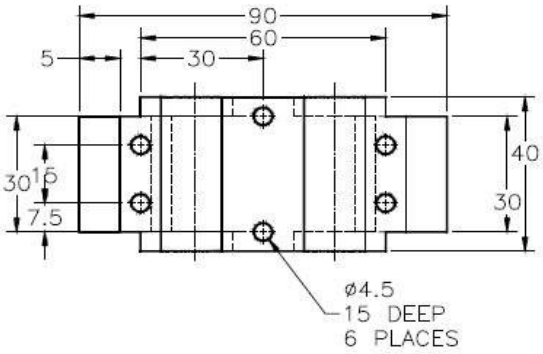


Isometric View

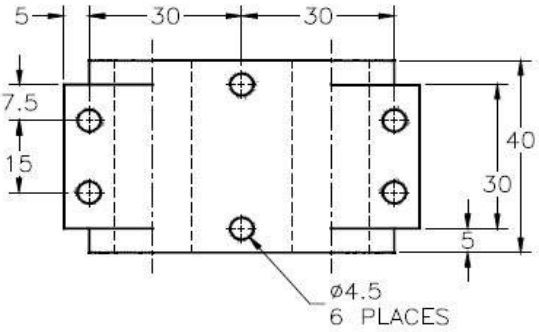


Exploded View

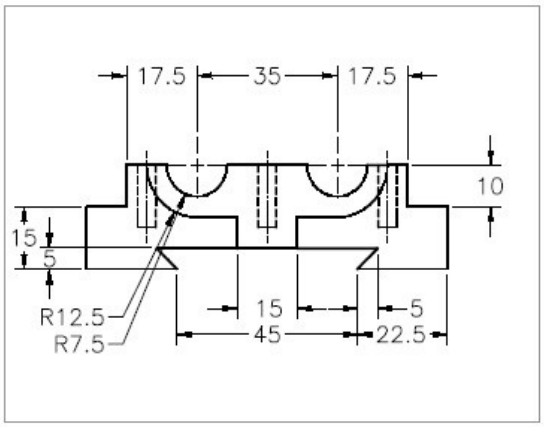
1. Base and Cap



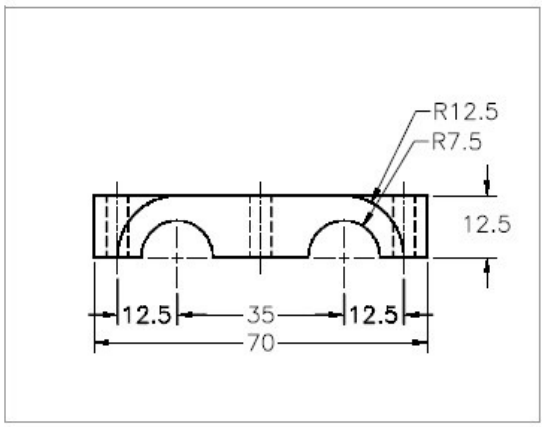
Top view of Base



Top view of Cap

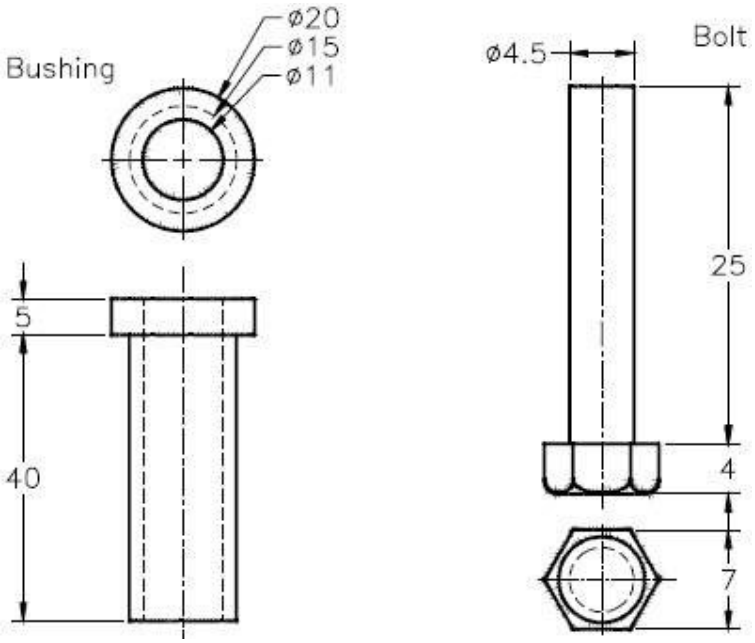


Front view of Base



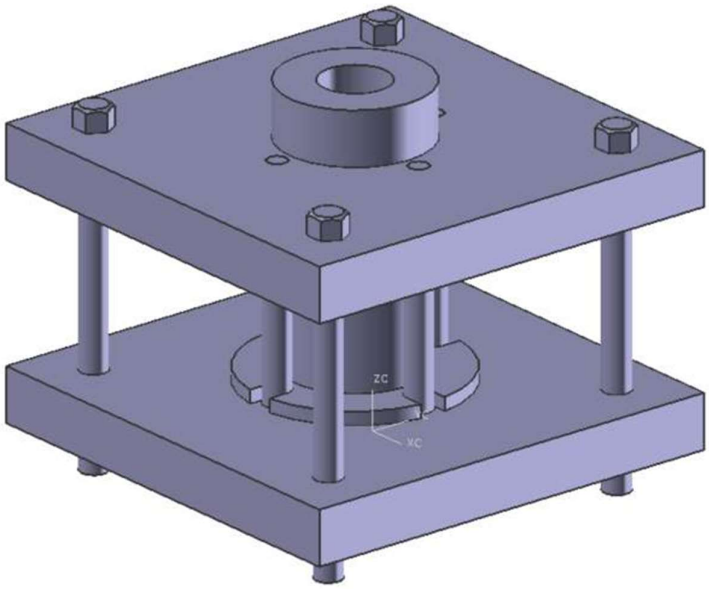
Front view of Cap

2. Bushing and the Bolt



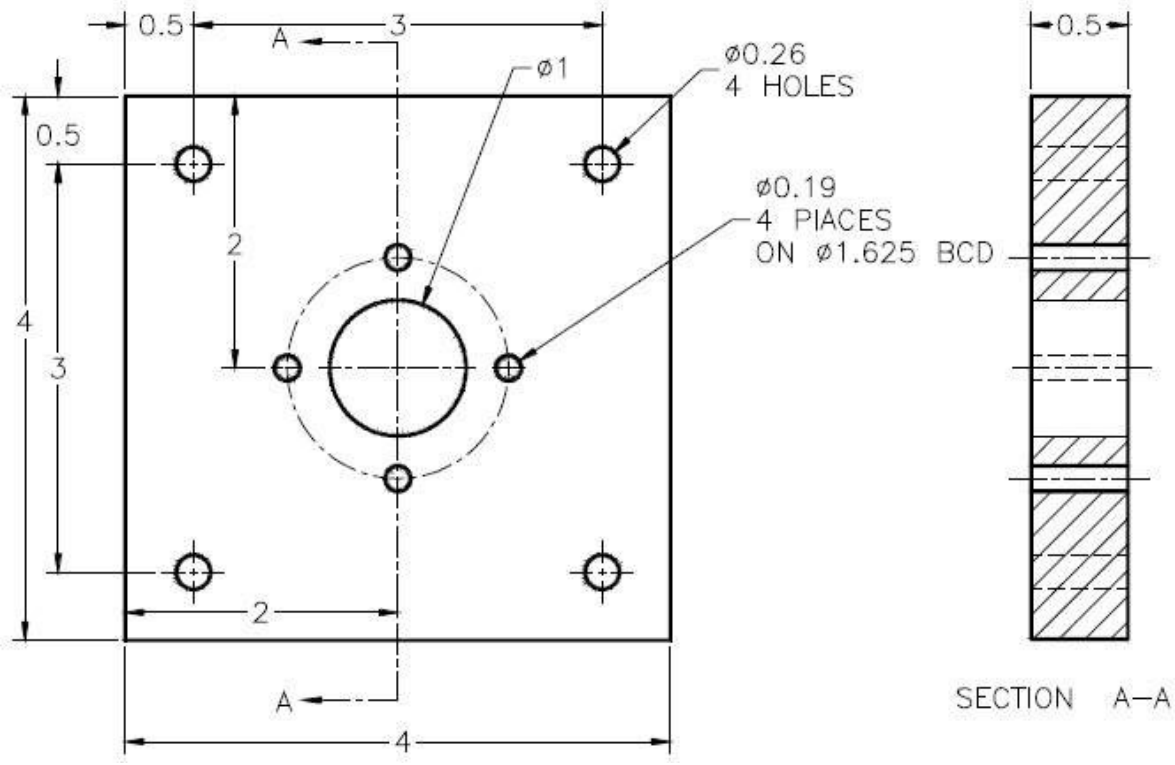
Assignment 5

Fixture Assembly (All dimensions in inches)

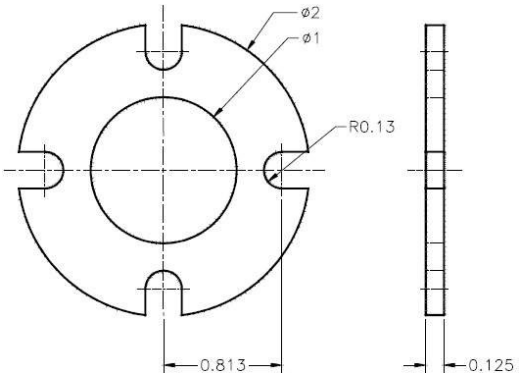


Isometric view

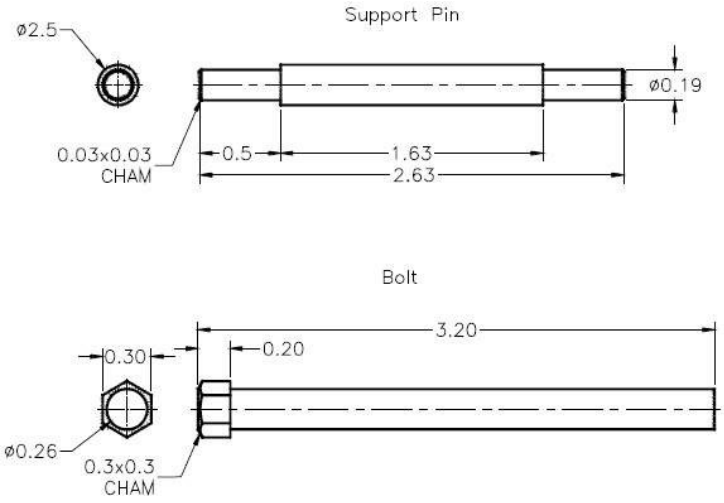
1. End Plates



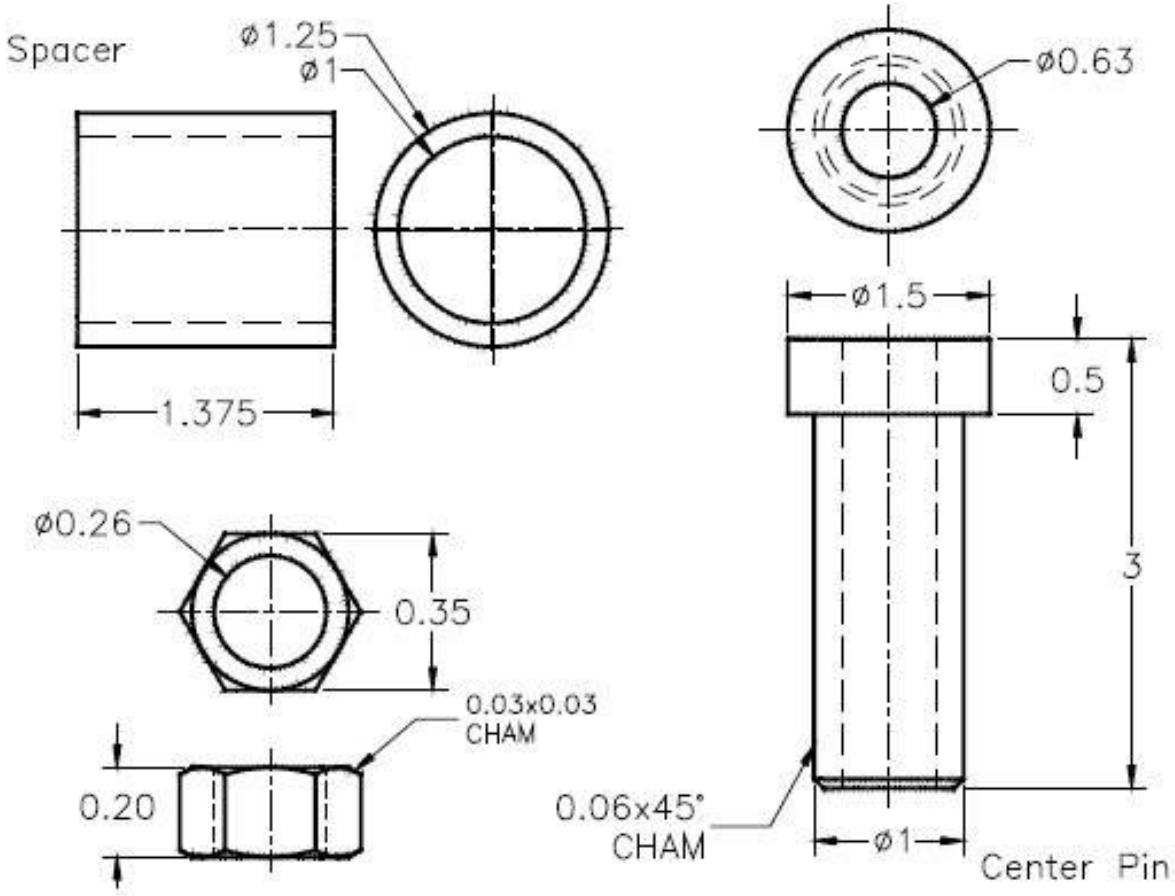
2. Disk



3. Support Pin and Bolt

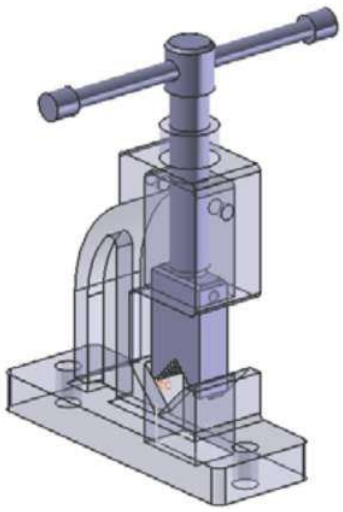


4. Spacer, Centre pin and the Nut



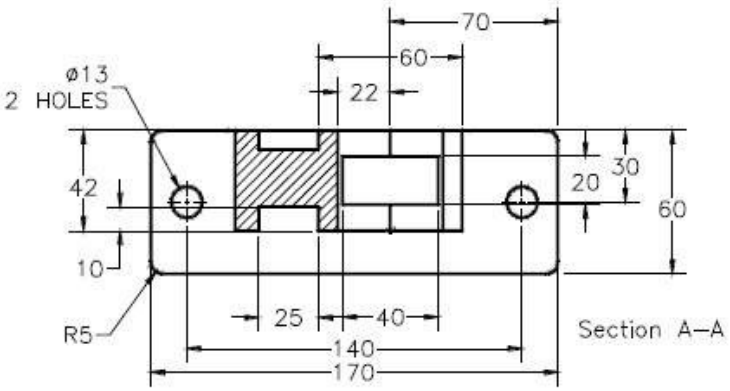
Assignment 6

Pipe Vice Assembly

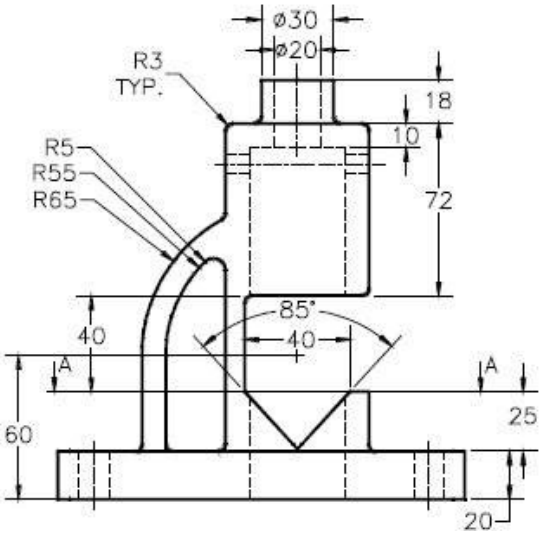


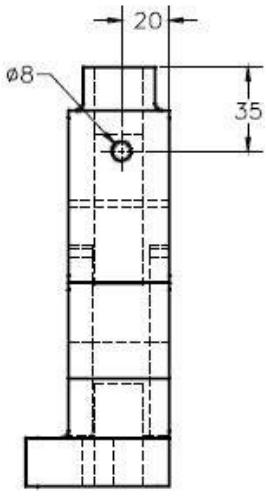
Isometric view

1. Base

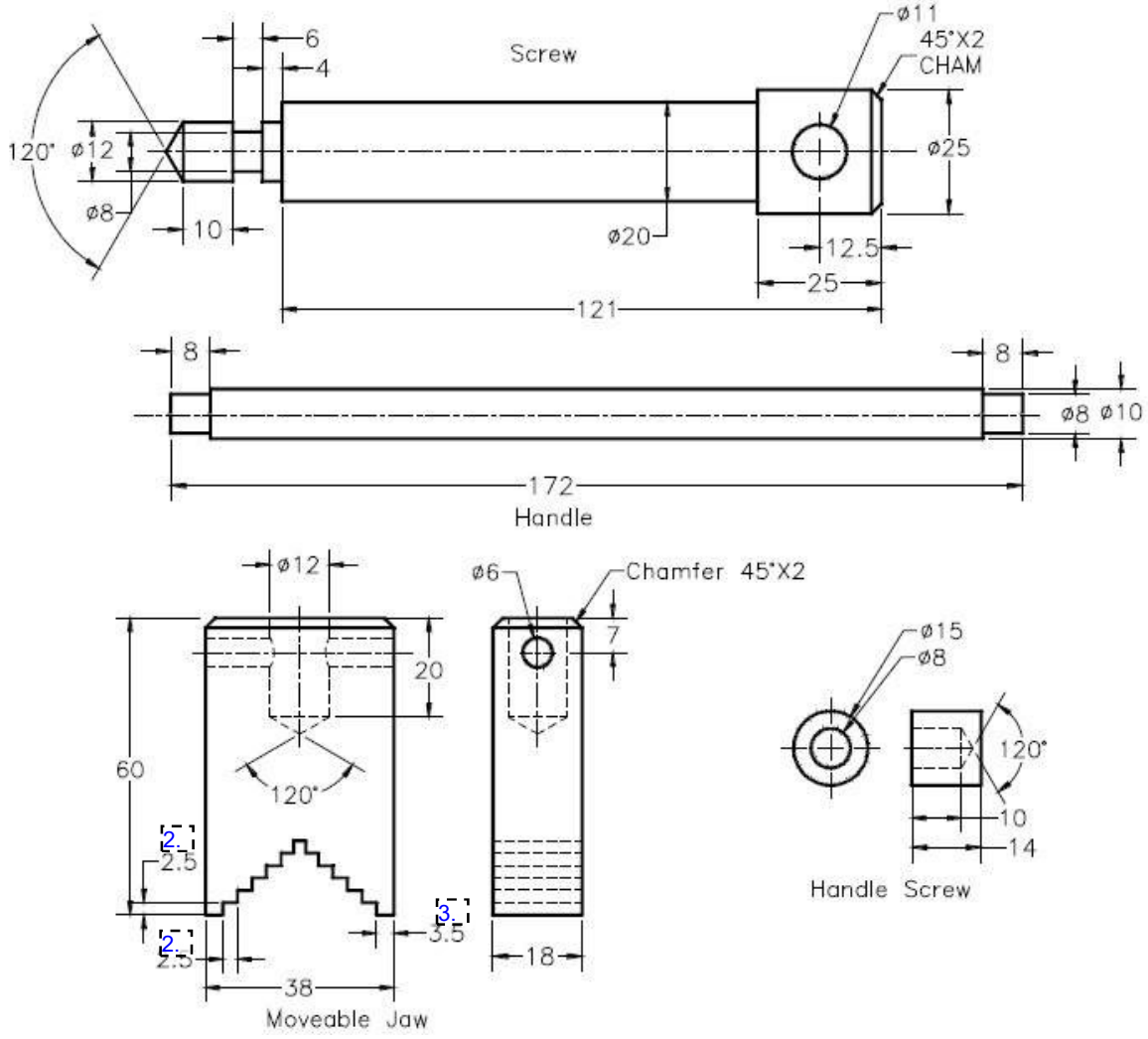


Fillet radius= 3mm, unless specified



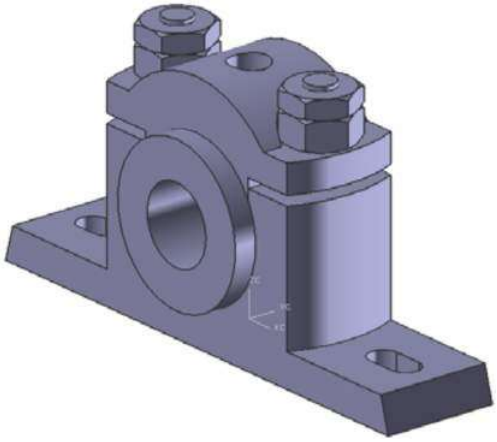


2. Screw, Handle, Movable Jaw and Handle Screw



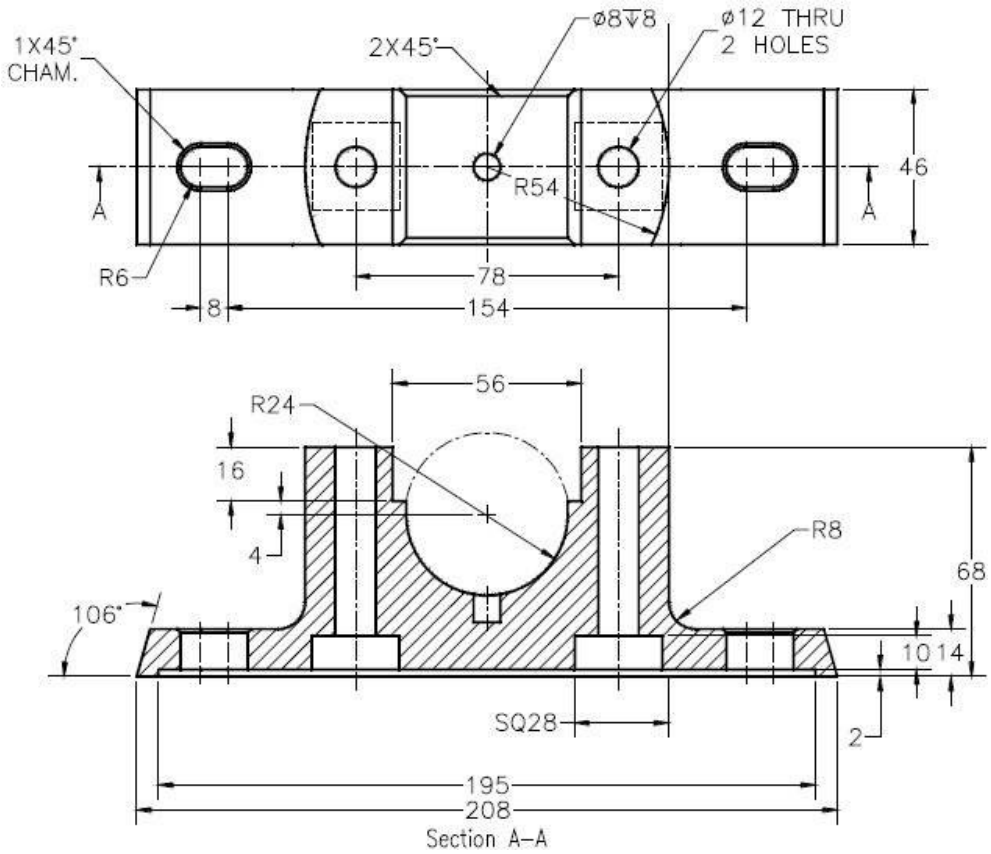
Assignment 7

Plummer Block Assembly

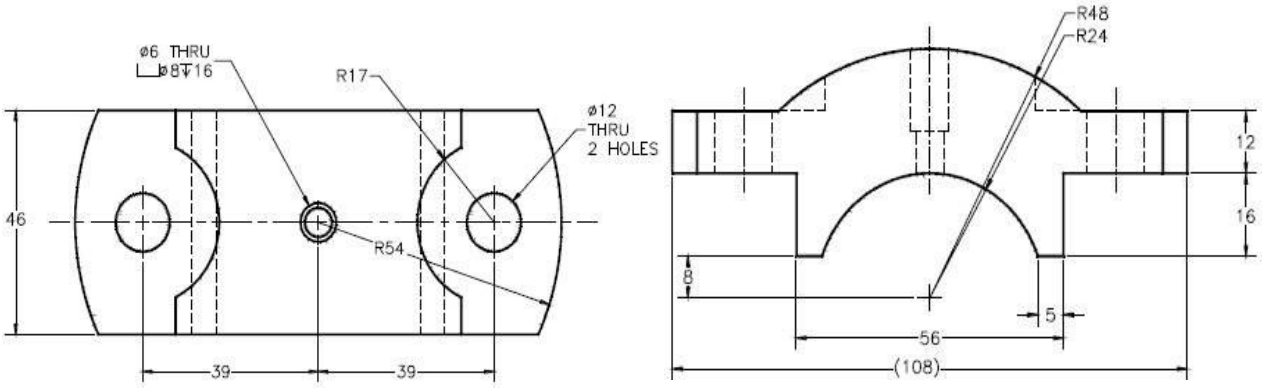


Isometric View

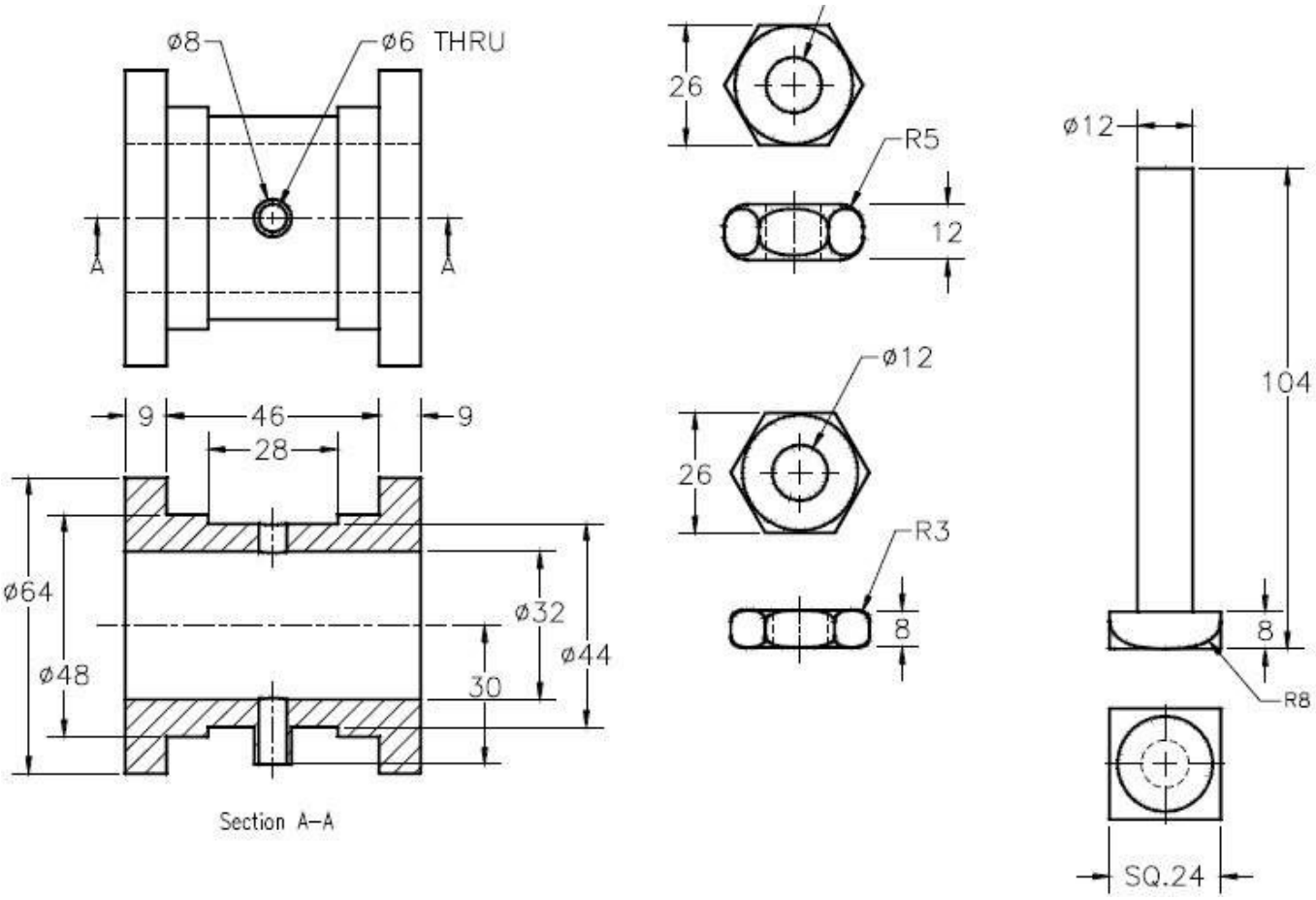
1. Base



2. Cap

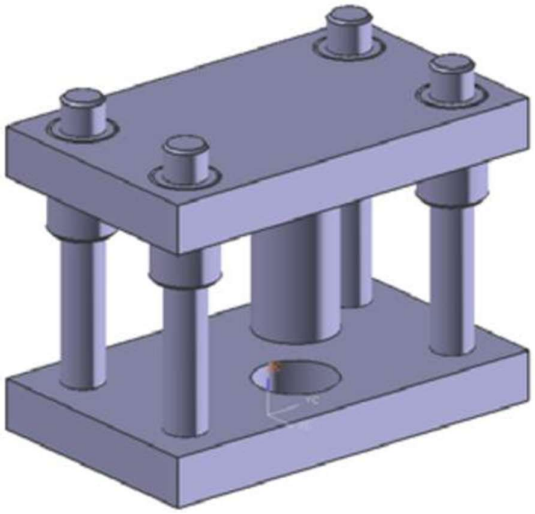


3. Brass, Nut, Lock Nut and Bolt

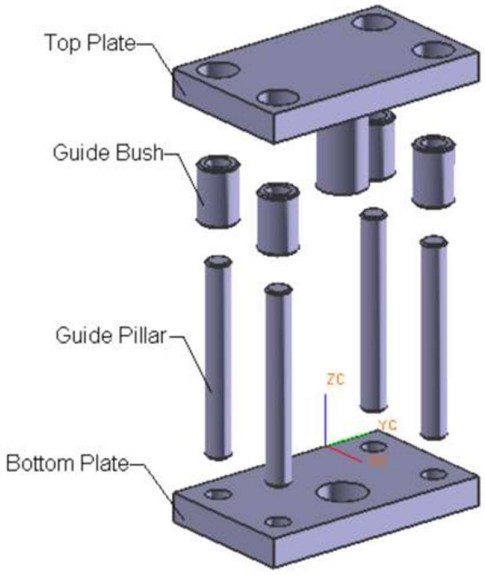


Assignment 8

Press Tool Assembly

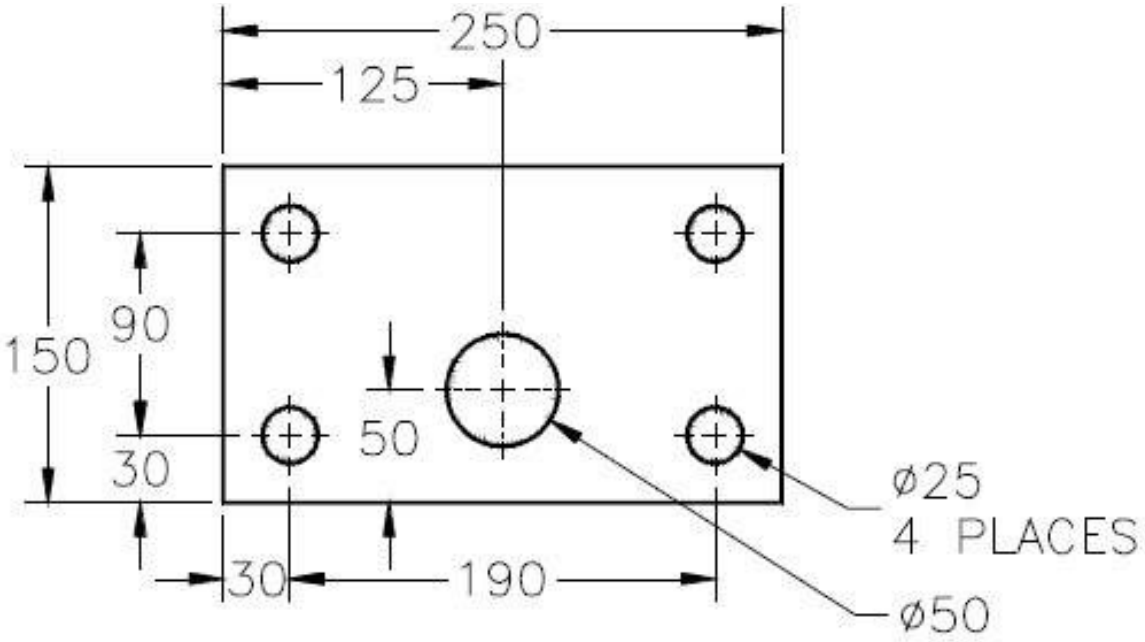


Isometric view

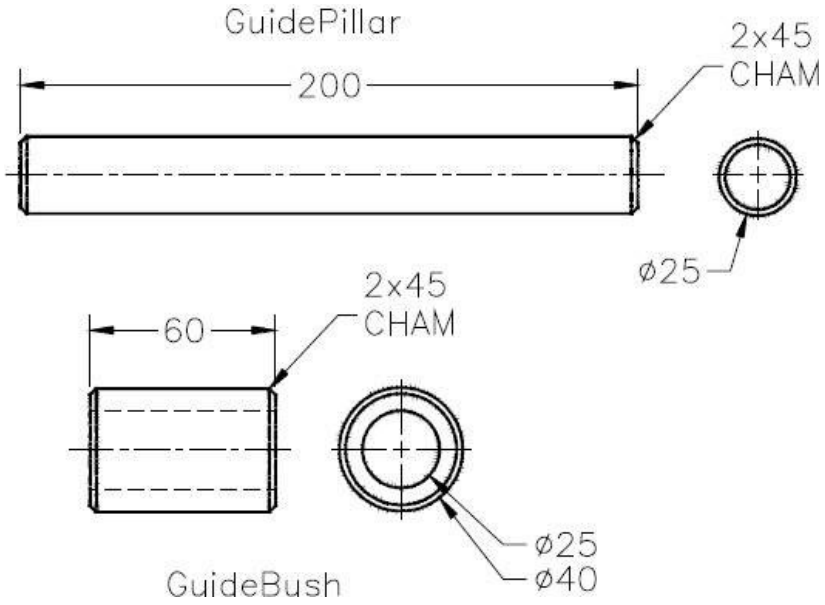


Exploded view

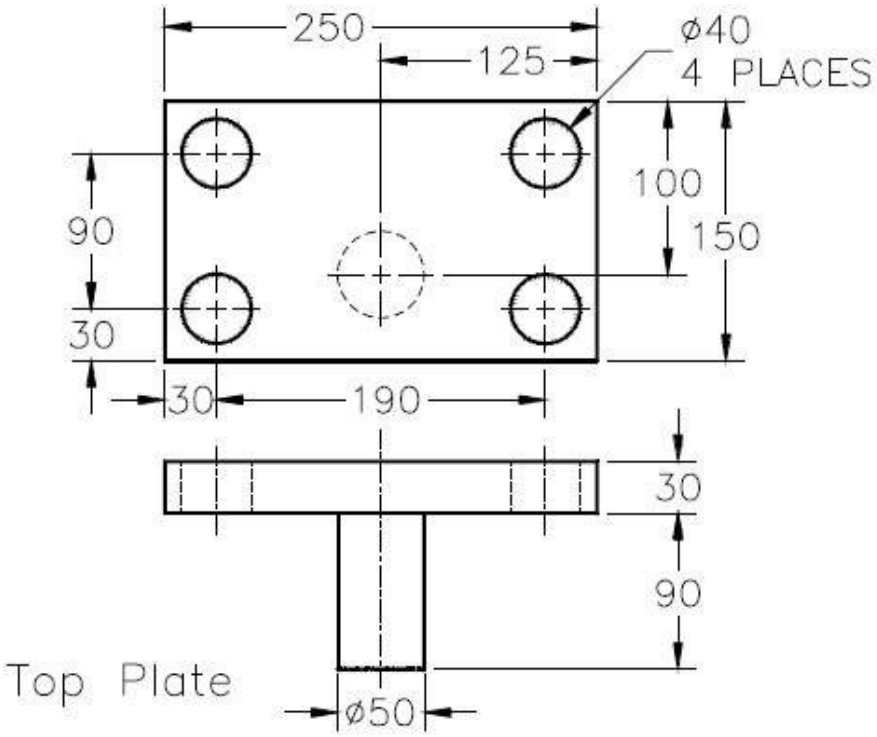
1. Bottom plate



2. Guide pillar and Guide Bush

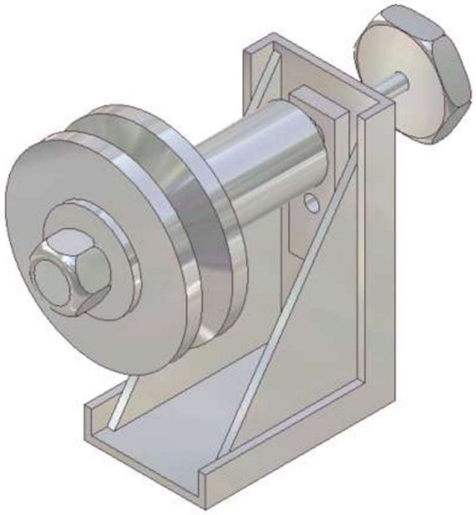


3. Top plate

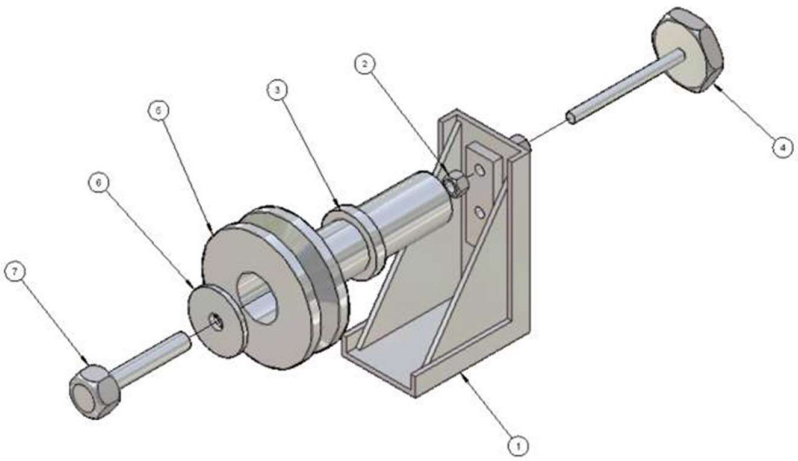


Assignment 9

Pulley Support Assembly

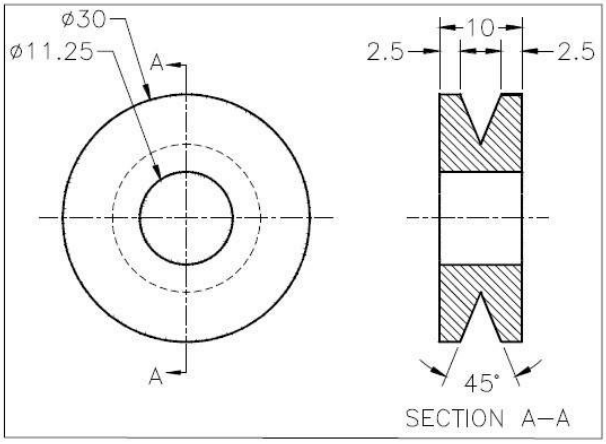


Isometric view

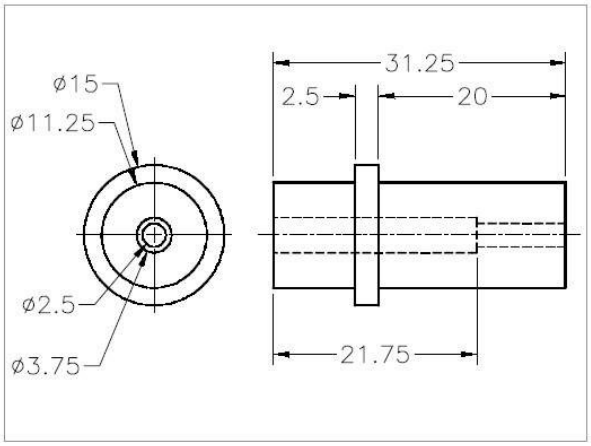


Exploded view

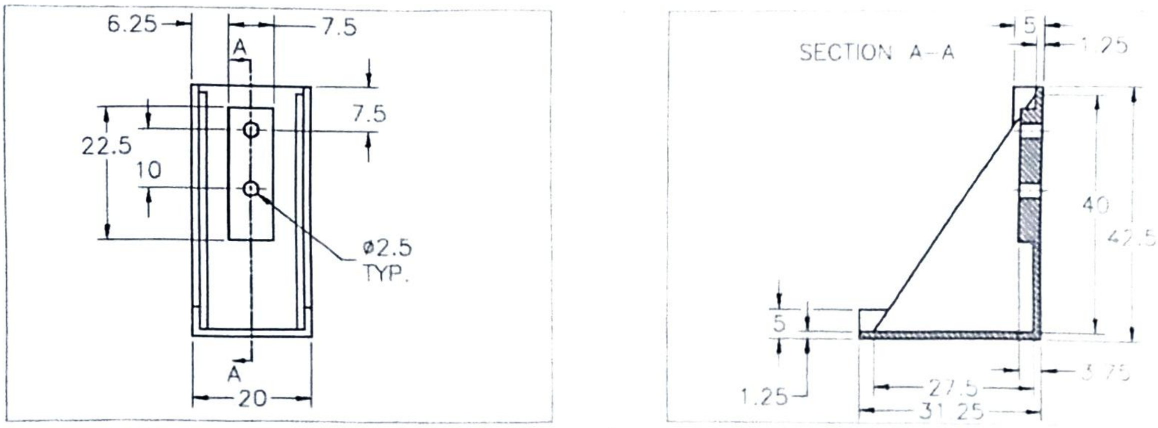
1. Pulley



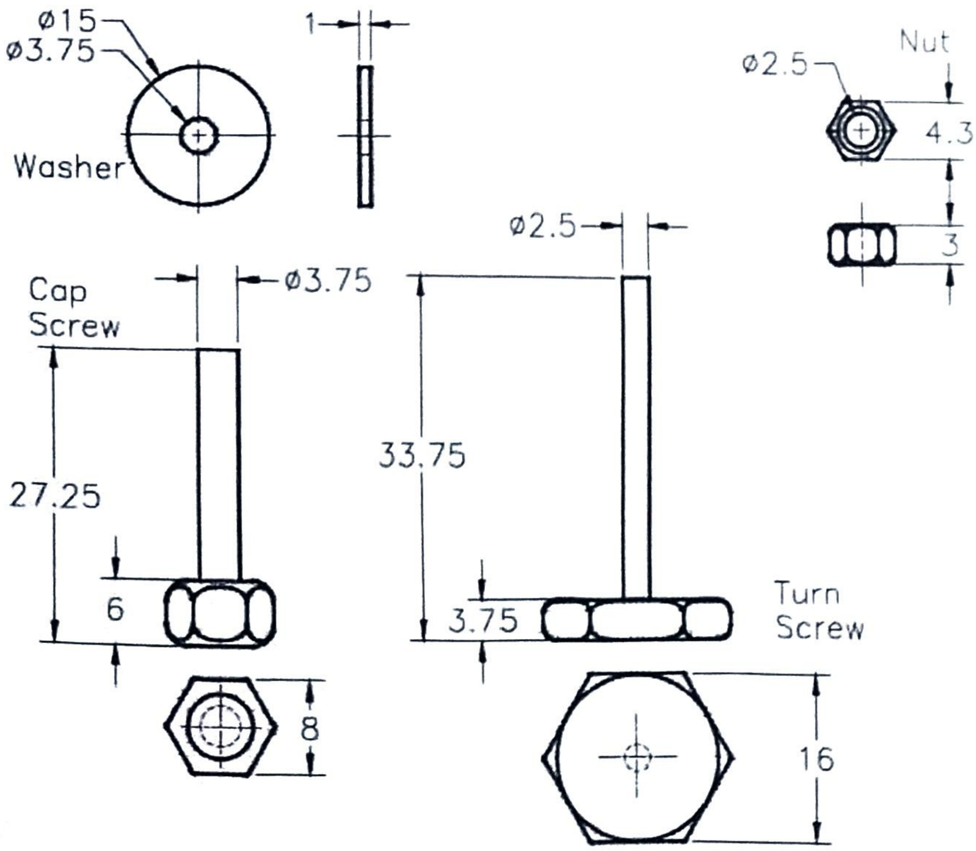
2. Bushing

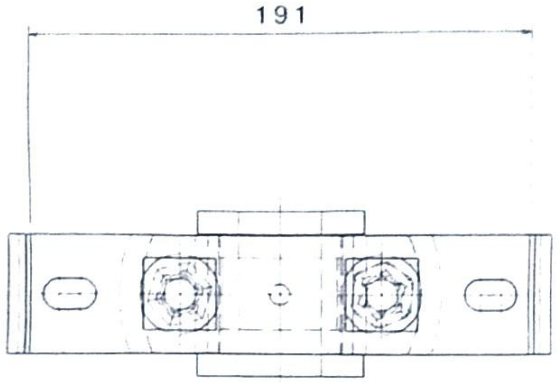


3. Bracket

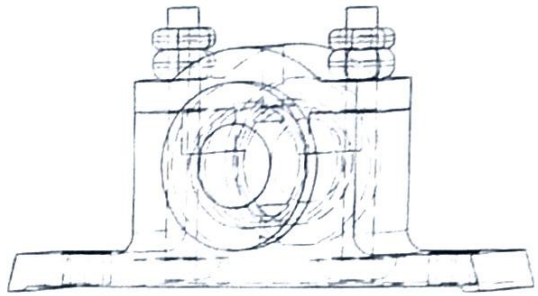


4. Washer, Cap Screw, Turn Screw, and Nut

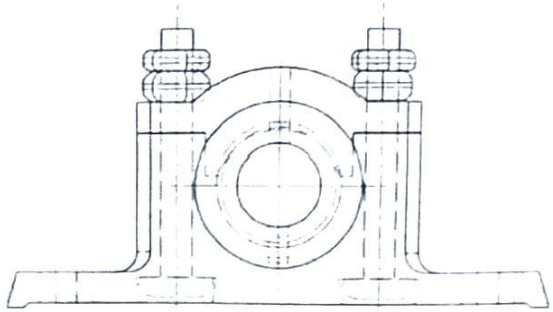




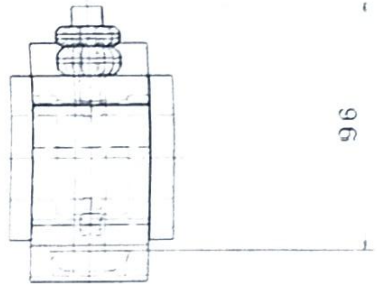
Bottom view
Scale: 1:2



Isometric view
Scale: 1:2



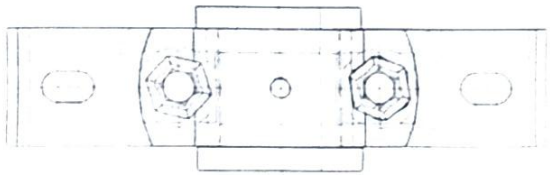
Front view
Scale: 1:2



Left view
Scale: 1:2

40
20
30
10

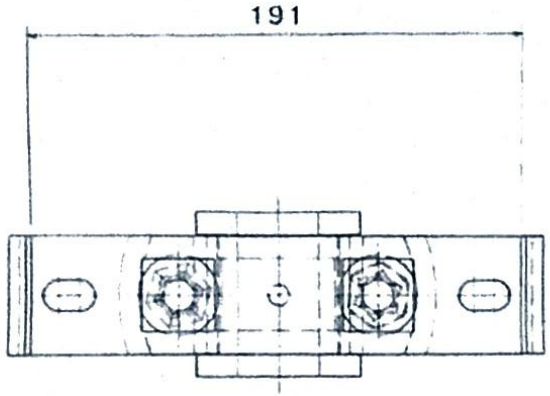
100



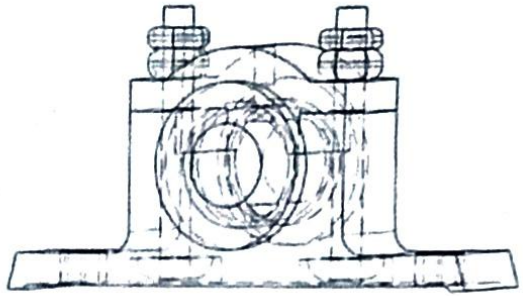
Top view
Scale: 1:2

46

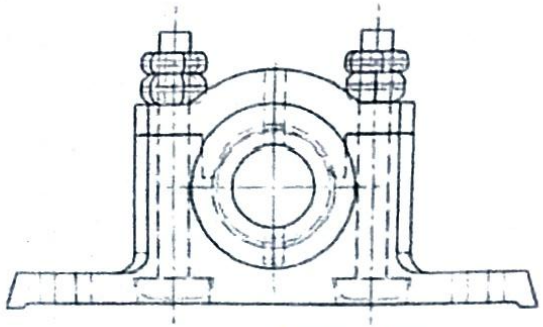
DRAWN BY 29	KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
920423114302	PLUMMER BLOCK ASSEMBLY
CHECKED BY	
JAFFAR	A3 Product1
DESIGNED BY	SHEET
SHIVA	



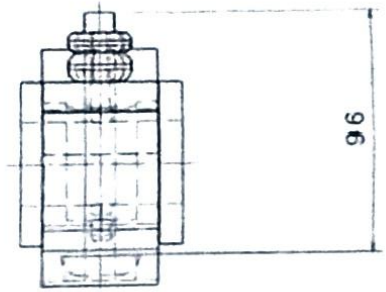
Bottom view
Scale: 1:2



Isometric view
Scale: 1:2



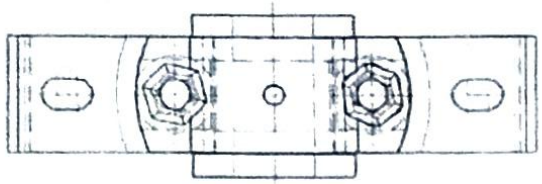
Front view
Scale: 1:2



Left view
Scale: 1:2

40
20
30
10
100

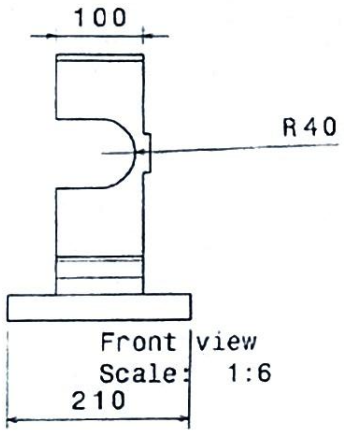
2 Nos.



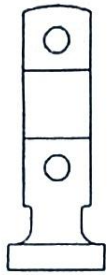
Top view
Scale: 1:2

46

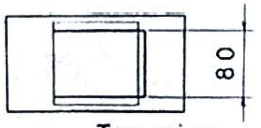
This drawing is our property it can't be reproduced or communicated without our written agreement.		KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY	
DRAWN BY 29 920423114302	DATE 18.07.2023	PLUMMER BLOCK ASSEMBLY	
CHECKED BY JAFFAR	DATE ...	SIZE A3	DRAWING NUMBER Product1 REV X
DESIGNED BY SHIVA	DATE ...	SCALE 1:2	WEIGHT(kg) 0.47 SHEET 1/1



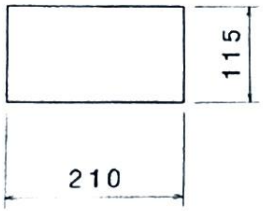
Front view
Scale: 1:6



Left view
Scale: 1:6



Top view
Scale: 1:6



Bottom view
Scale: 1:6

A0
10
20
06
76

DESIGNED BY	23ume011
DATE	18-07-2025
CHECKED BY	Jasffarthajudeen
DATE	18-07-2025
SIZE	A3
SCALE	1:6
WEIGHT (KG)	XXX

Body of Cross Head

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

XXX

1/1

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

DATE: 19-07-2025

Mark sheet for the CATIA Value Added Course

Sl. No	Roll No	Reg No	Name	Part Diagram (40 Marks)	Assembly Diagram (20 Marks)	Drafting (30 Marks)	Design Consideration (10 Marks)	Total
1	23UME001	920423114008	HARISH BALA R	30	5	10	6	51
2	23UME002	920423114006	DHARINEESH S	32	10	25	8	75
3	23UME003	920423114012	MUKILARASAN M	30	12	16	7	65
4	23UME004	920423114013	MUTHURAJA M	35	9	24	5	73
5	23UME005	920423114004	BALAGANESH S	25	10	15	5	55
6	23UME006	920423114009	KARTHICKEYAN M	32	10	22	7	71
7	23UME007	920423114018	SUBRAMANI PANDI K	30	5	15	6	56
8	23UME008	920423114001	ARAVIND KUMAR M	40	19	28	8	95
9	23UME010	920423114021	VASANTHKUMAR N	40	20	30	10	100
10	23UME011	920423114003	ASHWIN K	32	13	24	7	76
11	23UME012	920423114023	YOKAHARIHARAN D	20	12	30	7	69
12	23UME013	920423114011	MAYILKANI B	35	15	25	7	82
13	23UME014	920423114015	SAHI D V	38	19	28	10	95
14	23UME015	920423114022	VISHAL M	30	16	20	6	72
15	23UME018	920423114019	THANGAPANDIRAJA M	38	18	25	8	89

+91 9698257616 www.karf.in manager@karf.in

4/4, Bus Stand Street, Lakkinayakkanatti, Kallakurichi 606 402

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

DATE: 19-07-2025

Mark sheet for the CATIA Value Added Course

Sl. No	Roll No	Reg No	Name	Part Diagram (40 Marks)	Assembly Diagram (20 Marks)	Drafting (30 Marks)	Design Consideration (10 Marks)	Total
16	23UME019	920423114014	PON GANESH RAM M	36	16	26	8	86
17	23UME020	920423114005	BALAKRISHNAN P	28	12	22	7	69
18	23UME021	920423114007	GIRIDHARAN N	30	9	20	6	65
19	23UME023	920423114010	MAHALINGAM N	40	20	30	10	100
20	23UME024	920423114020	VARUNESHBALAA M	35	15	25	7	82
21	23UME025	920423114002	ARUN PRAKASH S	30	10	20	6	66
22	23UME026	920423114016	SHARUKESH J	38	20	29	9	96
23	23UME027	920423114303	SIVAKUMAR.V	25	10	28	6	69
24	23UME028	920423114304	THARUNRAJ.P.S	25	10	15	5	55
25	23UME029	920423114302	SHIVAKUMAAR.M	40	30	20	10	100
26	23UME030	920423114301	ESAKKI SUDHAN.E	38	24	18	9	89

A.K.Thajudeen
Chairman

Jaffar T.
Manager

+91 9698257616 www.karf.in manager@karf.in

4/4, Bus Stand Street, Lakkinayakkanatti, Kallakurichi 606 402

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

DATE: 19-07-2025

Attendance for the CATIA Value Added Course

Sl. No	Roll No	Reg No	Name	14-07	15-07	16-07	17-07	18-07	Total
16	23UME019	920423114014	PON GANESH RAM M	P	P	P	P	P	100%
17	23UME020	920423114005	BALAKRISHNAN P	P	P	P	P	P	100%
18	23UME021	920423114007	GIRIDHARAN N	A	P	P	P	P	83%
19	23UME023	920423114010	MAHALINGAM N	P	P	P	P	P	100%
20	23UME024	920423114020	VARUNESHBALA A M	A	P	P	P	P	83%
21	23UME025	920423114002	ARUN PRAKASH S	P	P	P	P	P	100%
22	23UME026	920423114016	SHARUKESH J	P	P	P	P	P	100%
23	23UME027	920423114303	SIVAKUMAR.V	P	P	P	P	P	100%
24	23UME028	920423114304	THARUNRAJ.P.S	P	P	P	P	P	100%
25	23UME029	920423114302	SHIVAKUMAAR. M	P	P	P	P	P	100%
26	23UME030	920423114301	ESAKKI SUDHAN.E	P	P	P	P	P	100%

A.K.Thajudeen
Chairman

Jaffar T.
Manager

+91 9698257616 www.karf.com manager@karf.in

4/4, Bus Stand Street, Lakkinayakkanatti, Kallakurichi 606 402

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

DATE: 19-07-2025

Attendance for the CATIA Value Added Course

Sl. No	Roll No	Reg No	Name	14-07	15-07	16-07	17-07	18-07	Total
1	23UME001	920423114008	HARISH BALA R	P	P	P	P	P	100%
2	23UME002	920423114006	DHARINEESH S	P	P	P	P	P	100%
3	23UME003	920423114012	MUKILARASAN M	P	P	A	P	P	83%
4	23UME004	920423114013	MUTHURAJA M	P	P	P	P	P	100%
5	23UME005	920423114004	BALAGANESH S	P	P	P	A	P	83%
6	23UME006	920423114009	KARTHICKEYAN M	P	P	P	P	P	100%
7	23UME007	920423114018	SUBRAMANI PANDI K	P	P	A	P	P	83%
8	23UME008	920423114001	ARAVIND KUMAR M	P	P	P	P	P	100%
9	23UME010	920423114021	VASANTHKUMAR N	P	P	P	P	P	100%
10	23UME011	920423114003	ASHWIN K	P	P	P	P	P	100%
11	23UME012	920423114023	YOKAHARIHARAN D	P	P	P	P	P	100%
12	23UME013	920423114011	MAYILKANI B	P	P	P	P	P	100%
13	23UME014	920423114015	SAHI D V	P	P	P	P	P	100%
14	23UME015	920423114022	VISHAL M	P	P	P	P	P	100%
15	23UME018	920423114019	THANGAPANDIRAJA M	P	P	P	P	P	100%

A.K.Thajudeen
Chairman

Jaffar T.
Manager

+91 9698257616 www.karf.com manager@karf.in

4/4, Bus Stand Street, Lakkinayakkanatti, Kallakurichi 606 402

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G Chidambara Nadar - G Nagammal Campus
S.P.G.C Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

Department of Mechanical Engineering

Name of the course: CATIA
Participants: II year (2023 – 2027 Batch)
Conducted by: KARF TECHNOVATE

Date: 14.07.2025 to 19.07.2025 (6 Days)
Academic Year: 2025 – 2026 ODD
Venue: KCET MECH CAD LAB

Overall Mark

S No	Roll No	Reg No	Name	Internal Assessment Mark		External Assessment		Total Mark
				Out of 100	Out of 40	Out of 100	Out of 60	Out of 100
1	23UME001	920423114008	HARISH BALA R	47	18.8	51	20.4	50
2	23UME002	920423114006	DHARINEESH S	80	32	75	30	77
3	23UME003	920423114012	MUKILARASAN M	43	17.2	65	26	57
4	23UME004	920423114013	MUTHURAJA M	88	35.2	73	29.2	79
5	23UME005	920423114004	BALAGANESH S	51	20.4	55	22	54
6	23UME006	920423114009	KARTHICKEYAN M	83	33.2	71	28.4	76
7	23UME007	920423114018	SUBRAMANI PANDI K	77	30.8	56	22.4	65
8	23UME008	920423114001	ARAVIND KUMAR M	96	38.4	95	38	96
9	23UME010	920423114021	VASANTHKUMAR N	84	33.6	100	40	94
10	23UME011	920423114003	ASHWIN K	72	28.8	76	30.4	75
11	23UME012	920423114023	YOKAHARIHARAN D	73	29.2	69	27.6	71
12	23UME013	920423114011	MAYILKANI B	81	32.4	82	32.8	82
13	23UME014	920423114015	SAHI D V	89	35.6	95	38	93
14	23UME015	920423114022	VISHAL M	86	34.4	72	28.8	78
15	23UME018	920423114019	THANGAPANDIRAJA M	81	32.4	89	35.6	86
16	23UME019	920423114014	PON GANESH RAM M	87	34.8	86	34.4	87
17	23UME020	920423114005	BALAKRISHNAN P	75	30	69	27.6	72
18	23UME021	920423114007	GIRIDHARAN N	76	30.4	65	26	70
19	23UME023	920423114010	MAHALINGAM N	84	33.6	100	40	94
20	23UME024	920423114020	VARUNESHBALAA M	82	32.8	82	32.8	82
21	23UME025	920423114002	ARUN PRAKASH S	75	30	66	26.4	70
22	23UME026	920423114016	SHARUKESH J	75	30	96	38.4	88
23	23UME027	920423114303	SIVAKUMAR.V	50	20	69	27.6	62
24	23UME028	920423114304	THARUNRAJ.P.S	75	30	55	22	63
25	23UME029	920423114302	SHIVAKUMAAR.M	84	33.6	100	40	94
26	23UME030	920423114301	ESAKKI SUDHAN.E	65	26	89	35.6	80

Coordinators
Er.N.R.MADHAN
Dr.R.Sakthivelmurugan

HoD/Mech
Dr.S.ThangaKasiraGan

Chief Coordinator Academic core
Dr.R.Suresh babu

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
An Autonomous Institution
VIRUDHUNAGAR

Department of Mechanical Engineering

Name of the course: CATIA
Participants: II year (2023 – 2027 Batch)
Conducted by: KARE TECHNOVATE

Date: 14.07.2025 to 19.07.2025 (6 Days)
Academic Year: 2025 – 2026 ODD
Venue: KCET MECH CAD LAB

Attendance Sheet

Sl.No	Roll No	Reg No	Name	14/7	15/7	16/7	17/7	18/7	19/7
1	23UME001	920423114008	HARISH BALA R						
2	23UME002	920423114006	DHARINEESH S						
3	23UME003	920423114012	MUKILARASAN M						
4	23UME004	920423114013	MUTHURAJA M			AB			
5	23UME005	920423114004	BALAGANESH S				AB		
6	23UME006	920423114009	KARTHICKEYAN M						
7	23UME007	920423114018	SUBRAMANI PANDI K			AB			
8	23UME008	920423114001	ARAVIND KUMAR M						
9	23UME010	920423114021	VASANTHKUMAR N						
10	23UME011	920423114003	ASHWIN K						
11	23UME012	920423114023	YOKAHARIHARAN D						
12	23UME013	920423114011	MAYILKANI B						
13	23UME014	920423114015	SAHI D V						
14	23UME015	920423114022	VISHAL M						
15	23UME018	920423114019	THANGAPANDIRAJA M						
16	23UME019	920423114014	PON GANESH RAM M						
17	23UME020	920423114005	BALAKRISHNAN P						
18	23UME021	920423114007	GIRIDHARAN N	AB					
19	23UME023	920423114010	MAHALINGAM N						
20	23UME024	920423114020	VARUNESHBALAA M	AB					
21	23UME025	920423114002	ARUN PRAKASH S						
22	23UME026	920423114016	SHARUKESH J						
23	23UME027	920423114303	SIVAKUMAR.V						
24	23UME028	920423114304	THARUNRAJ.P.S						
25	23UME029	920423114302	SHIVAKUMAAR.M						
26	23UME030	920423114301	ESAKKI SUDHAN.E						

Coordinators

Er. N.R. MADHAN
Dr. R. Sakthivelmurugan

HoD/Mech
Dr. S. Thangakasi Rajan

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR)

Department of Mechanical Engineering

Name of the course: CATIA
Participants: II year (2023 – 2027 Batch)
Conducted by: KARF TECHNOVATE

Date: 14.07.2025 to 19.07.2025 (6 Days)
Academic Year: 2025 – 2026 ODD
Venue: KCET MECH CAD LAB

Summary Report

Date		Details
14.07.2025	:	The course began with an introduction to CATIA, focusing on basic terminologies and the importance of CAD in engineering design. Students explored the graphical user interface and customization features, followed by view manipulation and standard toolbar operations. The session emphasized sketching tools in the Sketch Workbench, including profile creation using lines, circles, splines, conics, and axis tools. This session laid a solid foundation for understanding 2D sketching as a base for 3D modeling.
15.07.2025	:	The second session introduced students to the Part Design module of CATIA. They learned to convert 2D sketches into 3D parts using features such as Pad, Pocket, Shaft, Groove, and Hole. Emphasis was placed on creating reference elements like planes and sketch-based features including Rib, Slot, and Stiffener. The hands-on exercises allowed students to gain confidence in building structured 3D components using basic modeling features.
16.07.2025	:	Students delved into more advanced part modeling features. They explored tools like Draft, Shell, Thread, and Thickness, which are essential for enhancing mechanical components. Surface features such as Split, Thick Surface, and Sew Surface were introduced to enable hybrid modeling. The session also covered transformation features such as Mirror, Rotation, Symmetry, and Patterns, allowing for efficient duplication and orientation of geometry. Students practiced using reference elements and complex modeling strategies to build robust designs.
17.07.2025	:	Session four focused on Boolean operations including Add, Remove, Intersect, and Union Trim to manipulate complex solids. Students were introduced to advanced dress-up features like automatic fillet and draft, helping automate repetitive operations. The session also marked the beginning of Assembly Design, covering the concepts of top-down and bottom-up assembly approaches. Product structure tools like New Product, New Component, and Existing Component were demonstrated.
18.07.2025	:	The fifth session provided in-depth exposure to Assembly Design. Students learned to use constraints such as Coincidence, Contact, Offset, and Angle to position parts accurately. The session also covered applying material properties and creating publications for downstream applications. This session enhanced the students' ability to build functional mechanical assemblies in a virtual environment.
19.07.2025	:	The final session focused on the Drafting Workbench, enabling students to convert 3D models into 2D engineering drawings. Topics included creating projection views sectional views and detailed views using sketched profiles. Annotation tools such as text, symbols, and tables were introduced for comprehensive documentation. The session concluded with a mini-project, integrating the skills acquired to produce complete manufacturing-ready drawings.

Coordinators

Er. N.R. MADHAN
Dr. R. sakthivel murugan

HoD/Mech
Dr. S. Thangakasirajan

Feedback Form | CATIA | III Year | Value Added Course

Title of the Program : Value added course for "CATIA"
Participants : III - year students
Date : 14.07.2025 to 19.07.2025
Conducted by : **KARF Technovate, Kallakurichi.**

Coordinators:
Er. Madhan N R, AP/Mech,
Er. R. Sakthivel Murugan, AP/Mech
Instructions: Please indicate your level of agreement the statements listed below

4 Star - Strong Agree
3 Star - Agree
2 Star - Neutral
1 Star - Dis-Agree

* Required

* This form will record your name, please fill your name.

1. The objectives of the training were clearly defined by the Co-ordinator *

☆ ☆ ☆ ☆

2. Participation and interaction were encouraged. *

☆ ☆ ☆ ☆

3. The topics covered were relevant to me. *

☆ ☆ ☆ ☆

4. The content was organized and easy to follow. *

☆ ☆ ☆ ☆

5. This training experience will be useful me. *

☆ ☆ ☆ ☆

6. The trainer was knowledgeable about the training topics. *

☆ ☆ ☆ ☆

7. The trainer was well prepared. *

☆ ☆ ☆ ☆

8. The training objectives were met. *

☆ ☆ ☆ ☆

9. The time allotted for the training was sufficient *

☆ ☆ ☆ ☆

10. The Practice sessions were adequate and comfortable. *

☆ ☆ ☆ ☆

Your view about this programme

11. What did you like most about this training? *

12. What aspects of the training could be improved? *

13. How do you hope to change your practice as a result of this training? *

14. Please share over all comments about this programme. *

15. Do you suggest this programme to your juniors *

- ○ No
- ○ Yes

Kindly point this question to deliminate to the students

N.R.

R.

Er. N.R. MADHAN

Dr. R. Sakthivelmurugan

Approved

5.7.25

Dr. S. Thangakasi Rajan

Responses Overview Active

Responses	Average Score	Average Time
26	0	02:36

1. The objectives of the training were clearly defined by the Co-ordinator (0 point)

4.00
Average Rating

2. Participation and interaction were encouraged. (0 point)

4.00
Average Rating

3. The topics covered were relevant to me. (0 point)

4.00
Average Rating

4. The content was organized and easy to follow. (0 point)

3.96
Average Rating

5. This training experience will be useful me. (0 point)

3.92
Average Rating

6. The trainer was knowledgeable about the training topics. (0 point)

4.00
Average Rating

7. The trainer was well prepared. (0 point)

4.00
Average Rating

8. The training objectives were met. (0 point)

3.96
Average Rating

9. The time allotted for the training was sufficient (0 point)

3.96
Average Rating

10. The Practice sessions were adequate and comfortable. (0 point)

3.96
Average Rating

6. The trainer was knowledgeable about the training topics. (0 point)

4.00
Average Rating

7. The trainer was well prepared. (0 point)

4.00
Average Rating

8. The training objectives were met. (0 point)

3.96
Average Rating

9. The time allotted for the training was sufficient (0 point)

3.96
Average Rating

10. The Practice sessions were adequate and comfortable. (0 point)

3.96
Average Rating

11. What did you like most about this training? (0 point)

26
Responses

Latest Responses
"Yes"
"Very usefull"
"Yes"
...

Update

4 respondents (16%) answered catia for this question.

12. What aspects of the training could be improved? (0 point)

26
Responses

Latest Responses
"Teaching way"
"Yes"
"Yes improved"
...

Update

4 respondents (16%) answered Catia for this question.

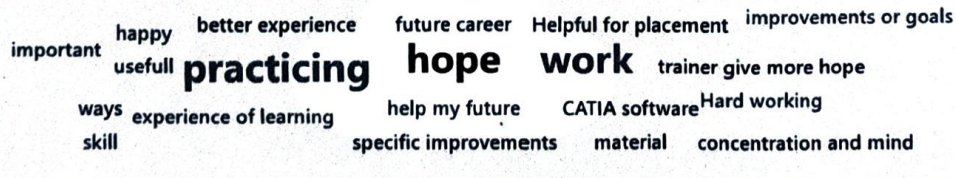
13. How do you hope to change your practice as a result of this training? (0 point)

26
Responses

Latest Responses
"Yes change my skills"
"Helpful for placement"
"Yes"
...

Update

2 respondents (8%) answered hope for this question.



14. Please share over all comments about this programme. (0 point)

26
Responses

Latest Responses
"Had a better rapo with a resource person learnt some knowledge about catia"
"Good"
"Very useful session"
...

10 respondents (40%) answered GOOD for this question. Update

shapes in square day training CATIA software training and development
kindly suggest good human thank GOOD use good character
golden opportunity useful session training
KR of technology good experience CATIA Trainer sir SIR WAS VERY GOOD friendly type
programme was so good

15. Do you suggest this programme to your juniors (0 point)

Yes 26
No 0

100%

All the questions, have more than 3.9/4. This is very good feedback received from students.

N.R.M
R. Selvaraj.

S.Thangakasivagan

Dr. S. Thangakasivagan

Er. N.R. MADHAN

Dr. R. Sakthivelmurugan

Review: Feedback Form | CATIA | III Year | Value Added Course

Respondent

10 SAHI.D.V

02:58
Time to complete

1. The objectives of the training were clearly defined by the Co-ordinator *

Score / 0 pts

2. Participation and interaction were encouraged. *

Score / 0 pts

3. The topics covered were relevant to me. *

Score / 0 pts

4. The content was organized and easy to follow. *

Score / 0 pts

5. This training experience will be useful me. *

Score / 0 pts

6. The trainer was knowledgeable about the training topics. *

Score / 0 pts

7. The trainer was well prepared. *

Score / 0 pts

8. The training objectives were met. *

Score / 0 pts

9. The time allotted for the training was sufficient *

Score / 0 pts

10. The Practice sessions were adequate and comfortable. *

Score / 0 pts

Your view about this programme

11. What did you like most about this training? *

Score / 0 pts

His friendliness and his patients

12. What aspects of the training could be improved? *

Score / 0 pts

Could be timing and duration.Need more days to get trained

13. How do you hope to change your practice as a result of this training? *

Score / 0 pts

yes i am sure

14. Please share over all comments about this programme. *

Score / 0 pts

it was very well organized by the department.hope they will continue this practice in upcoming semesters.

15. Do you suggest this programme to your juniors *

Score / 0 pts

- (●) Yes
- ( ) No

Review: Feedback Form | CATIA | III Year | Value Added Course

Respondent

5 KARTHICKEYAN.M

01:08
Time to complete

1. The objectives of the training were clearly defined by the Co-ordinator * Score / 0 pts

★ ★ ★ ★

2. Participation and interaction were encouraged. * Score / 0 pts

★ ★ ★ ★

3. The topics covered were relevant to me. * Score / 0 pts

★ ★ ★ ★

4. The content was organized and easy to follow. * Score / 0 pts

★ ★ ★ ★

5. This training experience will be useful me. * Score / 0 pts

★ ★ ★ ☆

6. The trainer was knowledgeable about the training topics. * Score / 0 pts

★ ★ ★ ★

7. The trainer was well prepared. * Score / 0 pts

★ ★ ★ ★

8. The training objectives were met. * Score / 0 pts

★ ★ ★ ★

9. The time allotted for the training was sufficient * Score / 0 pts

★ ★ ★ ★

10. The Practice sessions were adequate and comfortable. * Score / 0 pts

★ ★ ★ ★

Your view about this programme

11. What did you like most about this training? *

Score / 0 pts

teaching style

12. What aspects of the training could be improved? *

Score / 0 pts

nil;

13. How do you hope to change your practice as a result of this training? *

Score / 0 pts

help my future

14. Please share over all comments about this programme. *

Score / 0 pts

good

15. Do you suggest this programme to your juniors *

Score / 0 pts

- (●) Yes
- ( ) No

Er. N.R. MADHAN

Dr. R. Sakthivel murugan

Dr. S. Thangakasiragan

Review: Feedback Form | CATIA | III Year | Value Added Course

Respondent

7 MUTHURAJA.M

02:05
Time to complete

1. The objectives of the training were clearly defined by the Co-ordinator *

Score / 0 pts

★ ★ ★ ★

2. Participation and interaction were encouraged. *

Score / 0 pts

★ ★ ★ ★

3. The topics covered were relevant to me. *

Score / 0 pts

★ ★ ★ ★

4. The content was organized and easy to follow. *

Score / 0 pts

★ ★ ★ ☆

5. This training experience will be useful me. *

Score / 0 pts

★ ★ ★ ☆

6. The trainer was knowledgeable about the training topics. *

Score / 0 pts

★ ★ ★ ★

7. The trainer was well prepared. *

Score / 0 pts

★ ★ ★ ★

8. The training objectives were met. *

Score / 0 pts

★ ★ ★ ☆

9. The time allotted for the training was sufficient *

Score / 0 pts

★ ★ ★ ☆

10. The Practice sessions were adequate and comfortable. *

Score / 0 pts

★ ★ ★ ☆

Your view about this programme

11. What did you like most about this training? *

Score / 0 pts

I like this traihning

12. What aspects of the training could be improved? *

Score / 0 pts

very use full

13. How do you hope to change your practice as a result of this training? *

Score / 0 pts

more important and usefull to me

14. Please share over all comments about this programme. *

Score / 0 pts

very good

15. Do you suggest this programme to your juniors *

Score / 0 pts

- (●) Yes
- ( ) No

KARF

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

ESAKKI SUDHAN.E

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0840

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

SHIVAKUMAAR.M

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0839

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

THARUNRAJ.P.S

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0838

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

SIVAKUMAR.V

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0837

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

SHARUKESH J

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0836

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

ARUN PRAKASH S

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0835

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

VARUNESHBALAA M

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0834

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

MAHALINGAM N

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0833

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

GIRIDHARAN N

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0832

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

BALAKRISHNAN P

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0831

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

PON GANESH RAM M

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0830

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

THANGAPANDIRAJA M

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0829

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

VISHAL M

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0828

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

SAHI D V

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0827

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

MAYILKANI B

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0826

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

YOKAHARIHARAN D

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0825

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

ASHWIN K

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0824

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

VASANTHKUMAR N

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0823

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

ARAVIND KUMAR M

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0822

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

SUBRAMANI PANDI K

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0821

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

KARTHICKEYAN M

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0820

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

BALAGANESH S

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0819

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

MUTHURAJA M

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0818

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

MUKILARASAN M

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0817

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

DHARINEESH S

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0816

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

KARF TECHNOVATE

AN INDUSTRIAL ENGINEER'S DRIVEN

Certificate of Completion

This Certificate is Proudly Presented to:

HARISH BALA R

for successfully completing the training program titled

"Associate in Mechanical Design using CATIA V5"

dated from 14-07-2025 to 19-07-2025

UID : KARFCERT0815

A. K. THAJUDEEN
Chairman

T. JAFFAR
Manager

Email to manager@karf.in for the authentication of this certificate

Jaffar T.
APPLICATION ENGINEER
Email: jaffarthajudeen@gmail.com
Phone: (+91) 96 98 257 616

Summary:

Corporate:

- ➔ Worked in design projects in various government industries. Like DAE India, HPCL, CPCL, TNEB and TICEL III.
- ➔ Worked in various AutoCAD, Solidworks, CATIA and Electric vehicle projects.
- ➔ Can able to read industrial standard design.
- ➔ Handled 400+ students in AutoCAD, Solidworks, Electric Vehicle Technology, PDMS and Catia V5.
- ➔ Handled more than 110 corporate people and trained Assistant manager of Ashok Leyland.
- ➔ Trained overseas engineers. Countries such as Saudi Arabia, Dubai, London, Africa, Russia and Australia.
- ➔ Conducted seminars in Electric Vehicle, PLM, 3D Printing, Automotive designing and Reverse engineering.
- ➔ Trained South Indian railway design engineers 45 members from Chennai and 50 members from Hyderabad.
- ➔ Trained 60 Chennai metro-water AE.
- ➔ Worked with clients in order to finish the projects in time.
- ➔ Certified Trainer for CATIA V5, Solidworks, AutoCAD and Electric vehicle Technology.
- ➔ An enthusiastic engineer in terms of Designing, modelling, drafting and manufacturing.
- ➔ Has worked in the design, analysis and manufacturing of the Electric Vehicle.
- ➔ Handled 13 webinars, 11 seminars and conducted 4 workshops; educated more than 2500 members.
- ➔ Handled 6 faculty development program (FDP) in three different topics.

Technical Skills:

➢ **CAD SOFTWARE PACKAGES**

✔ AutoCAD, SolidWorks, Siemens NX, MS Office (Word, Excel, PowerPoint presentation), MATLAB, Mastercam, CATIA V5/V6 & PDMS.

➢ **Electric Vehicle Design**

✔ BEV, HEV, Battery Design and Powertrain Simulation.

Personal Skills:

- Self-motivated, independent-thinking and team player.
- Extensive problem-solving skills with an extraordinary ability to multi-task.
- Good in communication and also presentation.
- Have great leadership skills as well as a good team player.

Academic Qualifications:

- Bachelor of Engineering (B.E) in Mechatronics Engineering.