

Certificate Course
Department Of Mechanical Engineering
in
“CATIA V5”
17-08-2019 to 23-11-2019



Department of Mechanical Engineering,
KG Reddy College of Engineering & Technology
Chilkur(Village), Moinabad(Mandal), Hyderabad RR Dist-501504


Co-ordinator


HOD

HEAD
DEPT. OF MECHANICAL ENGINEERING
K.G. REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
CHILKUR (V), MOINABAD (M), R.R. DIST., TS-501504.


Principal

Principal
KG Reddy College of Engineering & Technology
Chilkur (V), Moinabad (M).
R.R.Dist., Telangana

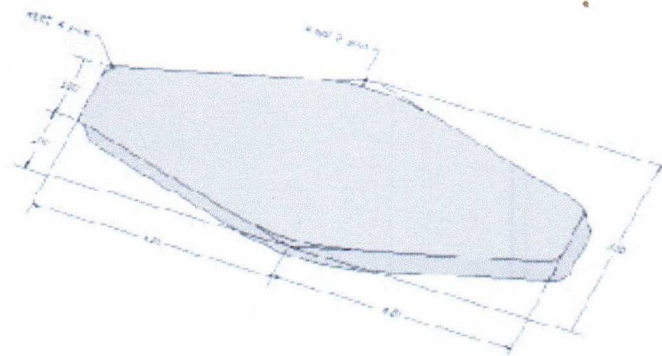
Certificate course and hand on session - "CATIA V5"

From 17-08-2019 to 23-11-2019

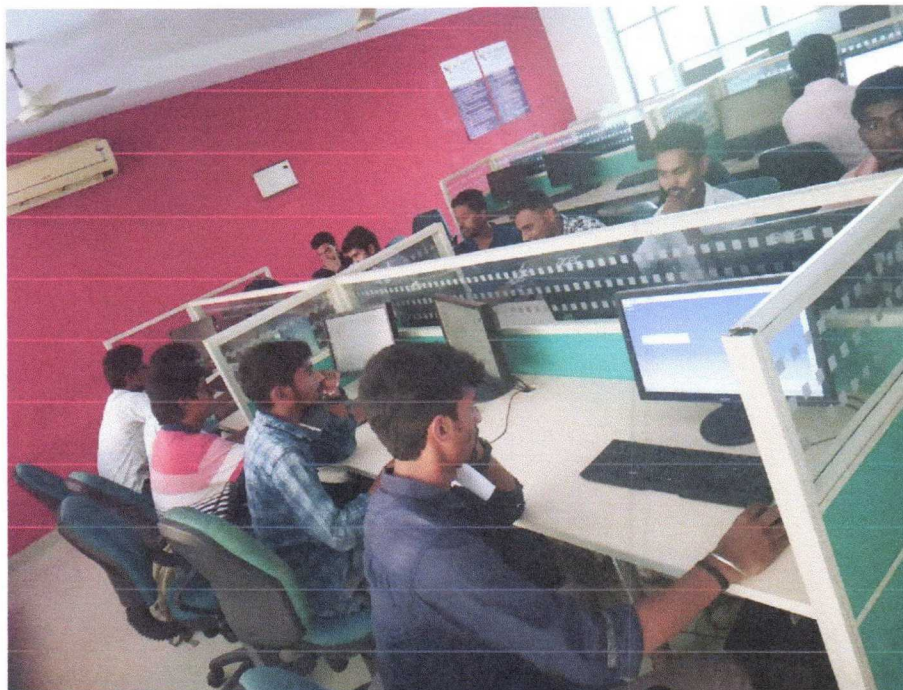
Mechanical Engineering department of KG Reddy college of Engineering and Technology organised a 12 weeks certificate course on CATIA V5. Course was conducted by two experts Dr.M.Swaroop Associate Professor at Mech Dept KGR CET and Mr.Mahesh.R.Reddy Associate Professor Mech Dept KGR CET. Around 60 students from 3rd year Mechanical branch took part in this course. Main focus of the course was to do hand on practise of design of mechanical drawing both 2D and 3D part modelling, assembling of part models and surface modelling using CATIA software .CATIA has vast collection of the supporting tutorials across the world. Learning CATIA might help students in designing components in their project and can opt for a career as a Design Engineering in manufacturing, construction Industry. Keeping these facts course was designed and delivered.

DAY 1

In the first session students got familiar with various design software's and introduction of CATIA. Different Icons like part model sketch, pad and pocket were introduced to the students. The session was interesting and students designed small part models 1



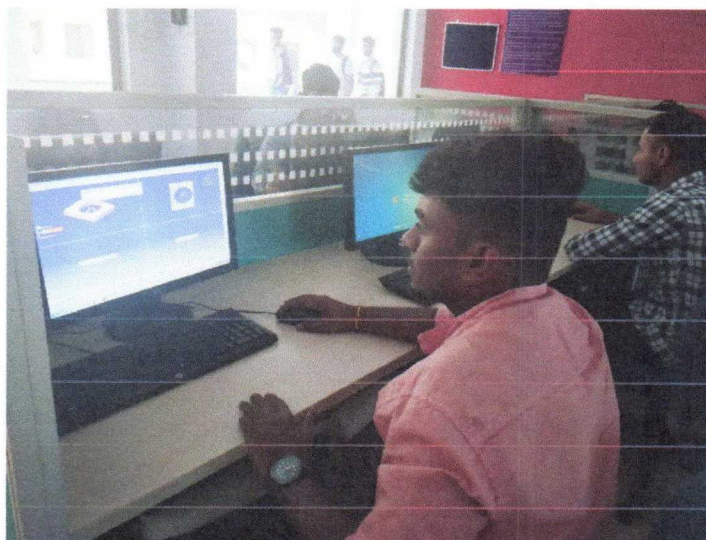
PART MODELS 1



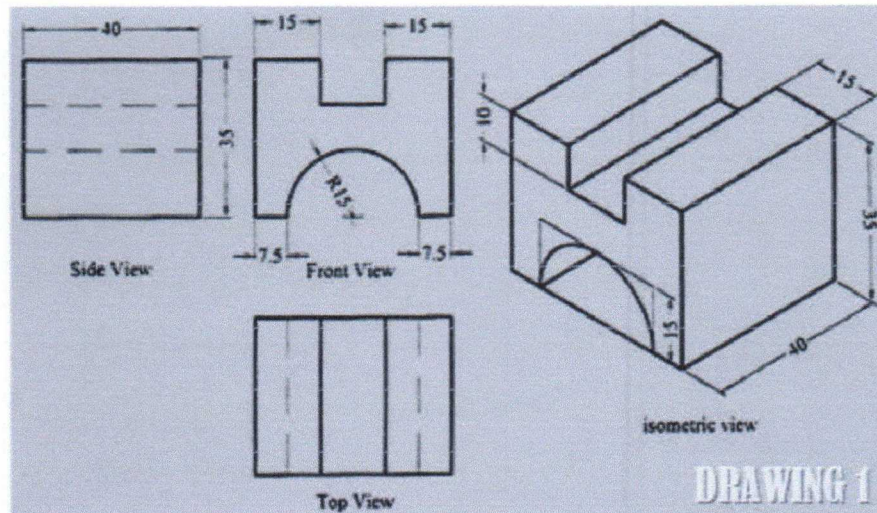
Introduction on CatiaV5 R17 practise in CAD Lab on day 1 session

DAY 2

On 24-08-2019 working on different part designs Icons like part model sketch, pad, pocket ,revolve, were practised . The session was interesting and students designed small part models 2



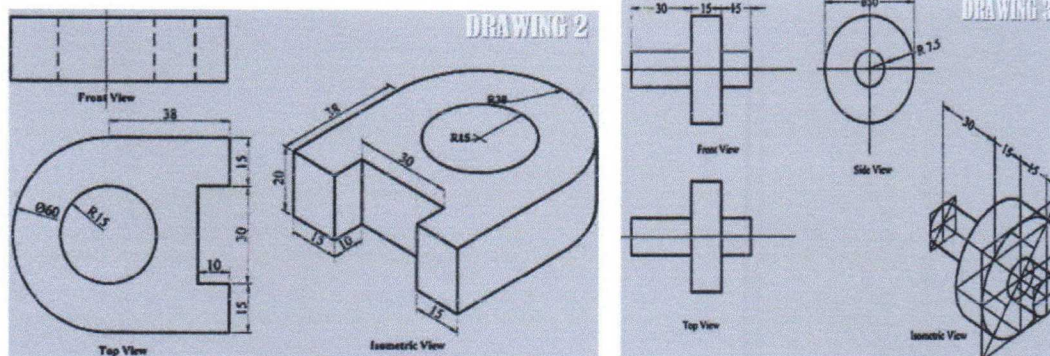
Students Practising CatiaV5 R17 in the CAD Lab on day 2 sessions



PART MODEL 2

DAY 3

On 31-08-2019 working on different part model 3 with icons sketcher, extrude were practised. The session was interesting and students designed small part models 3



Part model 3

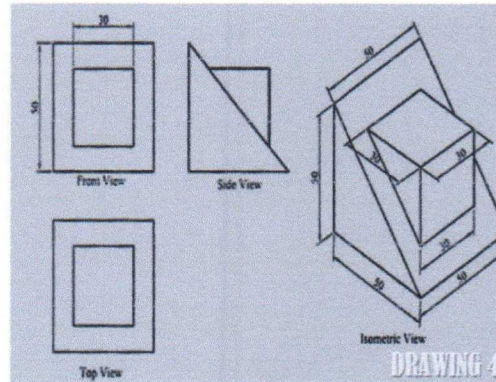
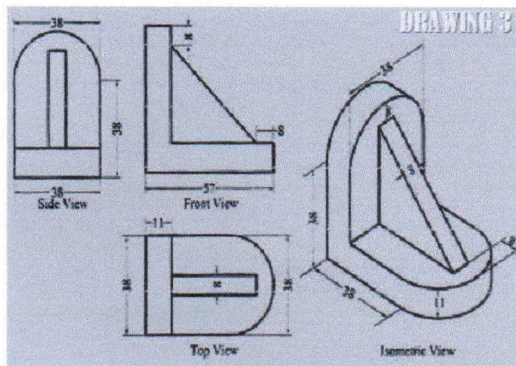
To create a given model by Using the CATIA PART MODELS 3

To create a given model by Using the CATIA PART MODELS 4

DAY 5

On 21-09-2019 working on different part model 5 with centred alignment icons, sketcher, extrude were practised. The session was interesting and students designed small part models 5

Part Model 5



To create a given model by Using the CATIA



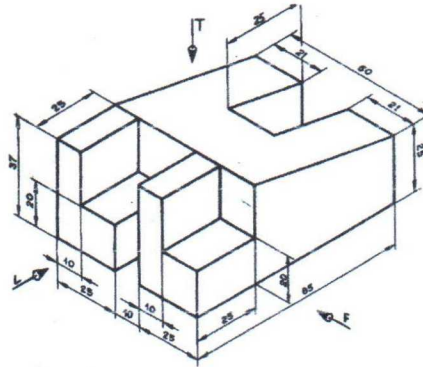
Students Practising CatiaV5 R17 in the CAD Lab day 5

Create part model 7 Using the CATIA

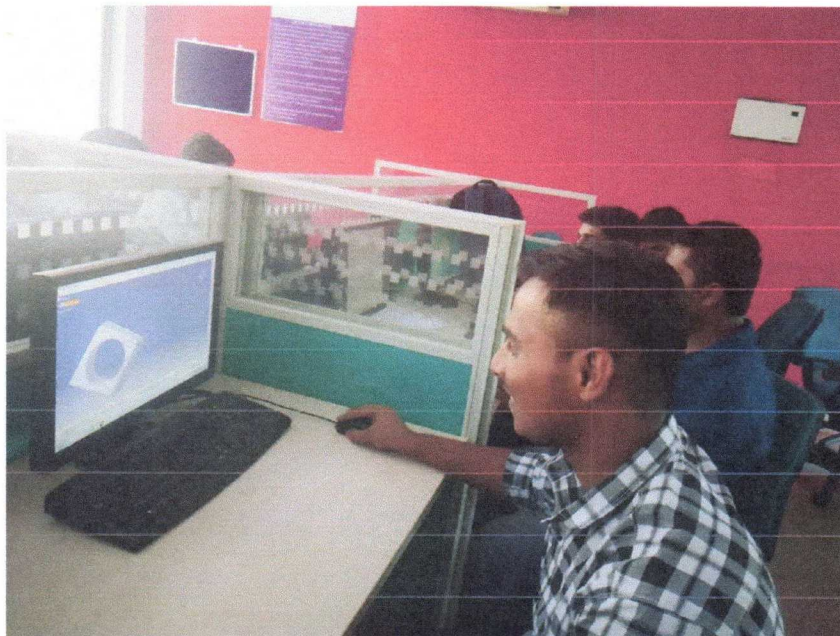
DAY 8

On 19-10-2019 working on different part model 8 with centred sketcher, extrude were practised. The session was interesting and students designed small part models 8

Part Model 8



Create part model 8 Using the CATIA

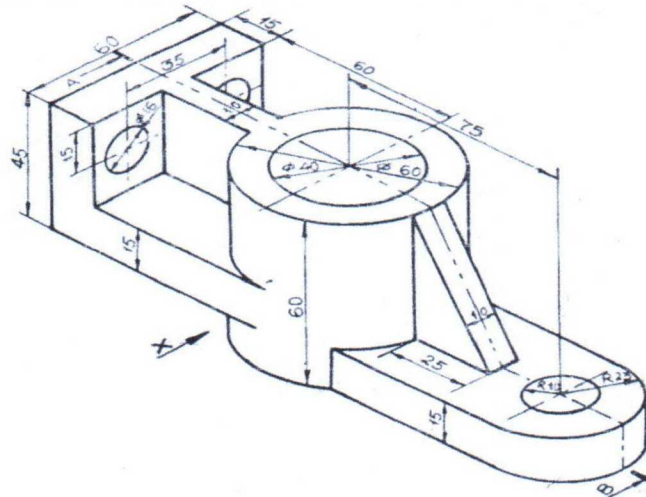


Students Practising CatiaV5 R17 in the CAD Lab day 8

DAY 9

On 19-10-2019 working on different part model 9 with centred sketcher, extrude were practised. The session was interesting and students designed small part models 9

Part Model 9

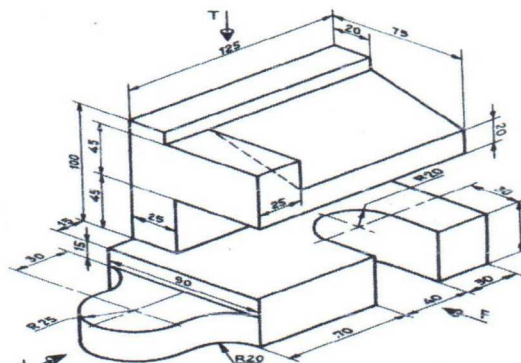


Create part model 9 Using the CATIA

DAY 10

On 26-10-2019 working on different part model 10 with centred sketcher, extrude were practised. The session was interesting and students designed small part models 10

Part Model 10

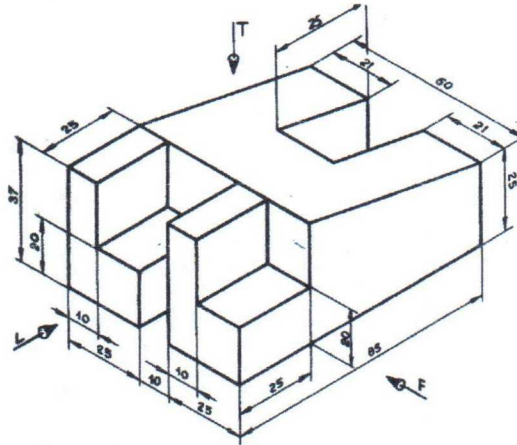


Create part model 10 Using the CATIA

DAY 11

On 09-11-2019 working on different part model 11 with centred sketcher, extrude were practised. The session was interesting and students designed small part models 11

Part Model 11

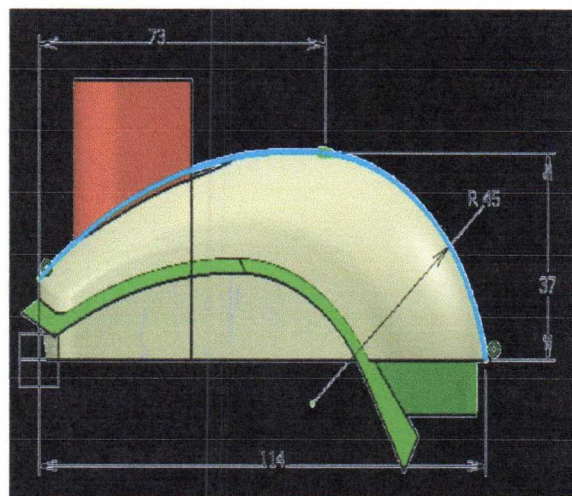
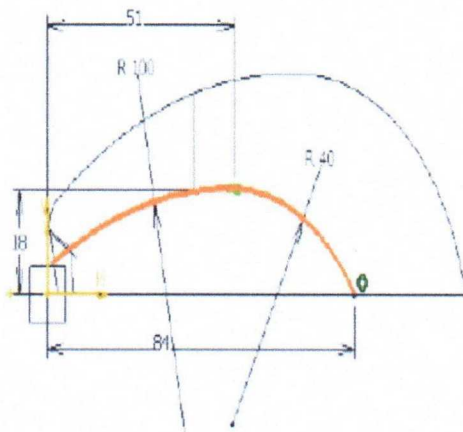


Create part model 11 Using the CATIA

DAY 12

On 09-11-2019 working on different surface model with centred sketcher, extrude were practised. The session was interesting and students designed small part models 12

Part Model 12



Create part model 12 Using the CATIA

KGRCET/CIRCULAR/2019-20/SEM-1/ CT01

Date 10th Aug 2019

CIRCULAR

All the III year students are hereby informed that a **Certificate course** on CATIA V5 R17 (12 weeks program) is being introduced as a part of Advanced learning Skills in the Department Mechanical Engineering from 17th August 2019. In view of this, all students are hereby instructed to attend the Training without fail.



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PRINCIPAL

Principal

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R.R.Dist., Telangana

Catia V5 Syllabus

MECHANICAL III-I SEM

Course duration 12 Weeks

S no	Tutorial	Topic
1	Tutorial 1	<ul style="list-style-type: none"> • Introduction to Catia • Drafting • Part modeling • IGES (Initial Graphics Exchange Specification) PDES (Product Data Exchange Using STEP)
2	Tutorial 2	Base Features in Part Modelling
3	Tutorial 3	Create part model 1
4	Tutorial 4	Create part model 2
5	Tutorial 5	Create part model 3
6	Tutorial 6	Create part model 4
7	Tutorial 7	Create part model 5
8	Tutorial 8	Assembling of part models.
9	Tutorial 9	Drafting
10	Tutorial 10	To draw the detail view of the STUFFING BOX and assemble the parts by using the CATIA software and obtain its respective views.
11	Tutorial 11	Surface modelling
12	Tutorial 12	Drafting of Surface model.

Course Schedule

Tutorial no.	Topics to be covered	Schedule date	Actual Date
Tutorial 1	Introduction to CATIA Drafting Part modelling IGES (Initial Graphics Exchange Specification) PDES (Product Data Exchange Using STEP)	17/08/2019	17/08/2019
Tutorial 2	Base Features in Part Modelling	24/08/2019	24/08/2019
Tutorial 3	Create part model 1	31/08/2019	31/08/2019
Tutorial 4	Create part model 2	07/09/2019	07/09/2019
Tutorial 5	Create part model 3	21/09/2019	21/09/2019
Tutorial 6	Create part model 4	05/10/2019	05/10/2019
Tutorial 7	Create part model 5	12/10/2019	12/10/2019
Tutorial 8	Assembling of part models.	19/10/2019	19/10/2019
Tutorial 9	Drafting	26/10/2019	19/10/2019
Tutorial 10	To draw the detail view of the STUFFING BOX and assemble the parts by using the CATIA software and obtain its respective views.	09/11/2019	26/10/2019
Tutorial 11	Surface modelling	16/11/2019	09/11/2019
Tutorial 12	Drafting of Surface model.	23/11/2019	09/11/2019
TEST		30/11/2019	23/11/2019

[illegible]

20	17QM1 A0309	G. CHEKRIDHA R REDDY	1	2	3	4	5	6	7	A	A	A	A	A
21	17QM1 A0310	G.LAKSHMI KRISHNA SAI CHANDU	1	2	3	4	5	6	7	8	9	10	11	12
22	17QM1 A0313	HITESH SAHANI	1	2	3	4	5	6	7	8	9	10	11	12
23	17QM1 A0314	KASARLA SAI VARUN	1	2	3	4	5	6	7	8	9	10	11	12
24	17QM1 A0315	KORADA KRANTHI KUMAR	1	2	3	A	4	5	6	A	7	8	9	10
25	17QM1 A0318	KURA VIVEKASAI	1	2	3	4	5	6	7	8	9	10	11	12
26	17QM1 A0319	M CHAITANY A KRISHNA	1	2	3	4	5	6	7	8	9	10	11	12
27	17QM1 A0320	MEKA SRIMANTH ROSHAN SAI	1	2	3	4	5	6	7	8	9	10	11	12
28	17QM1 A0322	MOKRALA ARUN ROHIT	1	2	3	A	4	5	6	A	7	8	9	10
29	17QM1 A0323	MOTHE RAJA	1	2	3	4	A	A	A	A	A	A	A	A
30	17QM1 A0324	SAI GANESH	1	2	3	4	5	6	7	8	9	10	11	12

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31	17QM1 A0327	PUNNA SAI SACHIN	1	2	3	A	A	A	A	A	A	A	A	A
32	17QM1 A0330	SHAIK ADIL	1	A	A	2	3	4	5	6	7	8	9	10
33	17QM1 A0331	SYED ABDUL GHANI	1	2	3	4	5	6	7	8	9	10	11	12
34	17QM1 A0332	SYED REHAN ALI	1	2	3	4	5	6	7	8	9	10	11	12
35	17QM1 A0335	YARLAGAD DA SHIVA SAI CHARAN	1	2	3	4	5	6	7	8	9	10	11	12
36	17QM1 A0336	PANDULA VINAY	1	2	3	4	5	6	7	8	9	10	11	12
37	18QM5 A0302	B ASHOK KUMAR	1	2	3	4	5	6	7	8	9	10	11	12
38	18QM5 A0303	BANDELA ABHILASH	1	2	3	4	5	6	7	8	9	10	11	12
39	18QM5 A0304	BODA HARIKUMA R	1	A	A	2	3	4	5	6	7	8	9	10
40	18QM5 A0305	CHENIGARA PU PUTHRASAI	1	2	3	4	5	6	7	8	9	10	11	12
41	18QM5 A0306	CHINNA SRIKANTH	1	2	3	4	5	6	7	8	9	10	11	12
42	18QM5 A0307	DHARAMKA R AKSHAY	1	2	3	4	5	6	7	8	9	10	11	12
43	18QM5 A0308	EERLA SAI KUMAR	1	A	A	2	3	4	5	6	7	8	9	10
44	18QM5 A0309	G SRAVAN RAMESH	1	2	3	4	5	6	7	8	9	10	11	12
45	18QM5 A0310	GADDAM LIKHITH	1	2	3	A	4	5	6	A	7	8	9	10
46	18QM5 A0311	GIRI JAI KRISHNA	1	2	3	4	5	6	7	8	9	10	11	12
47	18QM5 A0312	GOUNDLA ABHISHEK GOUD	1	2	3	4	5	6	7	8	9	10	11	12
48	18QM5 A0313	GRINDE KARTHIK	1	A	A	2	3	4	5	6	7	8	9	12
49	18QM5 A0314	KANDRAPU SAIKUMAR	1	2	3	4	5	6	7	8	9	10	11	12
50	18QM5 A0315	KOLUPULA VIKRAM	1	2	3	4	5	6	7	8	9	10	11	12
51	18QM5 A0316	KUMMARI DAYAKAR	1	2	3	4	5	6	7	8	9	10	11	12
52	18QM5 A0317	M NARESH	1	2	3	4	5	6	7	8	9	10	11	12
53	18QM5	MALLEPUL	1	2	3	4	5	6	7	8	9	A	10	11

	A0318	A SAI KIRAN												
54	18QM5 A0319	MANDADI AJAY GOUD	1	2	3	4	5	6	7	8	9	10	11	12
55	18QM5 A0320	MANNE ABHILASH	1	2	3	A	4	5	6	A	7	8	9	10
56	18QM5 A0321	MOHAMME D IMRAN	1	2	3	4	5	6	7	8	9	10	11	12
57	18QM5 A0322	MUDAVATH VINOD	1	2	3	4	5	6	7	8	9	10	11	12
58	18QM5 A0323	NEELI SRAVAN KUMAR	1	2	3	4	5	6	7	8	9	A	10	11
59	18QM5 A0325	RACHURI PAVAN KALYAN	1	2	3	4	5	6	7	8	9	10	11	12
60	18QM5 A0326	SHANKAPA LLY SURYATEJA	1	2	3	4	5	6	7	8	9	10	11	12
61	18QM5 A0327	VANKUDOT H HARSHAVA RDHAN	1	2	3	A	4	5	6	A	7	8	9	10
62	18QM5 A0328	Y CHAITANY A	1	2	3	4	5	6	7	8	9	10	11	12
63	18QM5 A0329	YAKARI ROHIT	1	2	3	4	5	6	7	8	9	10	11	12



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CHILKUR (V), MOINABAD RD, R.R. DIST, TS-501504.

Date of Exam : 23/11/2019

Certificate course CATIA V5

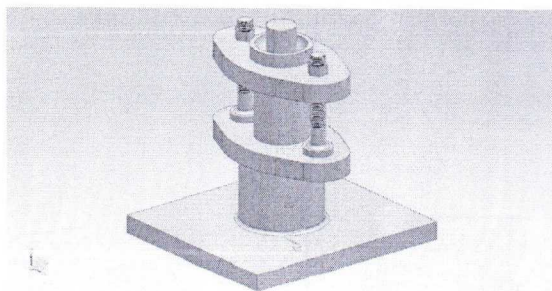
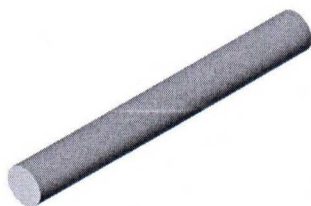
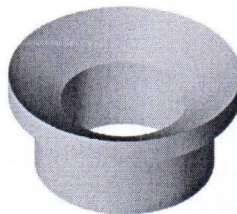
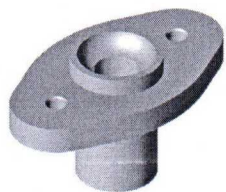
Answer

Part Models and Assembled Part of Stuffing Box CATA V5

Marks:

Name : G.LAKSHMI KRISHNA SAI CHANDU

Roll No: 17QM1A0310





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College of Engineering
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Department of Mechanical Engineering

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Certificate course CATIA V5

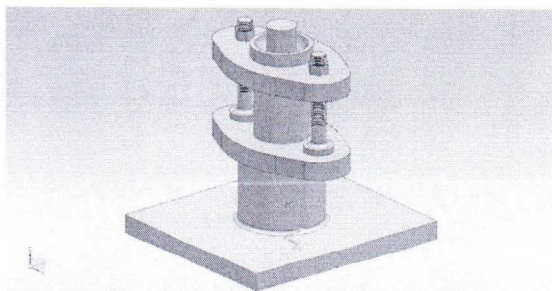
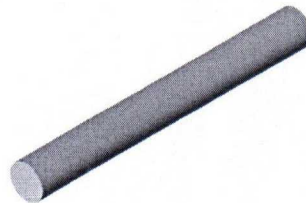
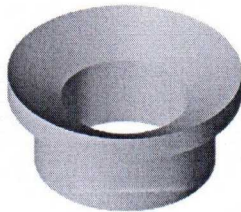
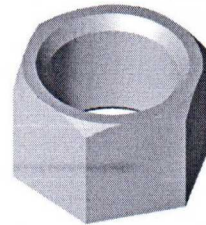
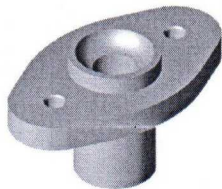
Answer

Part Models and Assembled Part of Stuffing Box CATA V5

Marks:

Name : HEMANTH KUMAR . K

Roll No: 17QM1A0311



Certificate of Completion

This certificate is presented to

Mr.R.R.Rahul

Roll No: 16QMIA0354

For successfully completing the 12 week Course

CATIA V5



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& Technology



Principal
KG Reddy College of Engineering & Technology
Chilkur (V), Moinabad (M),
R.R.Dist, Telangana.



Course Co-ordinator