

Accredited by NAAC with 'B+' Grade, 2(f) & 12B Status Institution by UGC

IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620012

# **NAAC DOCUMENTS**

**QUALITY INDICATOR FRAME WORK** 

**CRITERION – 1** 

### **CURRICULAR ASPECTS**

SUBMITTED BY

**IQAC** 

INTERNAL QUALITY ASSURANCE CELL INDRA GANESAN COLLEGE OF ENGINEERING





#### DEPARTMENT OF MECHANICAL ENGINEERING

#### ACADEMIC YEAR 2018-19 EVEN / ODD SEMESTER

#### 1.2 Academic Flexibility (30)

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs,SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfullycompleted during the last five years)

#### AND

1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed onlinecourses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the lastfive years

VAC Title:	Intro	ductio	n to CAD,C	AM &	Practi	cal CNC Ma	chini	ng		
Resource Pe	rson:	Train	D center	Prabak	kar					
Date of cond	uct fro	m:	05.11.2018		To:	09.11.2018		<b>Duration:</b>	30 Hours	
Organized D	epartn	nent:	MECHAN	ICAL	ENGI	NEERING				
Participant `	Year:	Mec Year	h II,III,IV r	Seme	ster:	ODD		of Students istered:		106
Venue: M	[echani	cal Se	minar Hall							

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### Department of Mechanical Engineering

Academic Year 2018-2019 -ODD Semester

Date: 01.11.2018

### DEPARTMENT CIRCULAR

Department of Mechanical Engineering of IGCE association with "CADD Centre, Trichy" is going to organize Value Added Course for all II and III, IV year students on "Introduction to CAD, CAM & Practical CNC Machining" from 05.11.2018 to 09.11.2018. Certificates will be issued to the eligible participants at the end of the Course. This training is to be provided in our campus.

	1. Mr. Balaji
Resource Person Details	Trainer
	CADD centre
	Trichy
	2. Mr. Prabahar
	Trainer
	CADD centre
1 814 (b)	Trichy
Venue	Mechanical Seminar Hall,IGCE

ноб/месн

PRINCIPAL

Cc:

- · Principal office
- IQAC Coordinator
- Class In charges II, III & IV Year
- Office File
- · Notice Board

Dr. G. Balakrishnan, M.E., Ph.D., Principal

Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.



COLLEGE OF ENGINEERING Madural Main Road (NH-45B), Manikandam, Trichy-12. Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennal

## Value Added Course

# "Introduction to CAD, CAM & Practical CNC Machining"

#### **SYLLABUS**

s.no	TOPIC COVERED	DURATION (in hours)	DATE
Control of the Contro	Introduction to CAD, CAM & CNC Machining	3	05.11.2018
2	Get foundational knowledge in computer aided design, manufacture, and the practical use of CNC machines for milling.	3	05.11.2018
3	Explore how to properly sketch and model 3D	3	06.11.2018
4	Explore the basics of setting up a CAM program and defining tool paths to cut simple geometry.	3 -	06.11.2018
5	Explain the CAD design process as applied to prismatic parts.	3	07.11.2018
6	Workflow of digital manufacturing.	3	07.11.2018
7	Demonstrate knowledge and skills in basic Fusion	3	08.11.2018
8	Recall foundational knowledge of practical CNC	3	08.11.2018
9	New tutorials that explore thin Extrude, CAM tool library, NC Program, and sheet setup.	3	09.11.2018
10	Updated practice and challenge exercises.	3	09.11.2018
11	Exam	1	09.11.2018
11	Total Hours (Excluding Assessment)	30	

VAC Coordinator

Dr. G. Balakrishman, M.E., Ph.D.,

Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.



### Value Added Course

#### "Introduction to CAD, CAM & Practical CNC Machining"

#### STUDENTS PARTICIPATION LIST

S.No.	Reg.No	Student's Name	Year/ Branch
1	811217114001	S.Abdul Yasin	II/MECH
2	811217114002	R.Ajithkumar	II/MECH
3	811217114003	S.Anandha Kumar	II/MECH
4	811217114004	M.Ananth	II/MECH
5	811217114005	R.Chellaiah	II/MECH
6	811217114006	C.Devarajan	II/MECH
7	811217114007	S.Dhamotharan	II/MECH
8	811217114008	A.Dhanussh	II/MECH
9	811217114009	C.Dharanidharan	II/MECH
10	811217114010	N.Dharman	II/MECH
11	811217114013	M.Hariharasudhan	II/MECH
12	811217114014	A.Jawagar	II/MECH
. 13	811217114015	Karthick S	II/MECH
14	811217114016	D.Madhan	II/MECH
15	811217114018	M.Mohammed Faizal	II/MECH
16	811217114019	S.Mohanraj	II/MECH
17	811217114020	R.Munishwaran	II/MECH
18	811217114021	P.Murugan	II/MECH
19	811217114022	P.Ponnar	- II/MECH
20	811217114023	M.Prakash	II/MECH
21	811217114025	M.Rajamuni	II/MECH
22	811217114026	La.Ramanathan	II/MECH
23.	811217114027	G.Sairam	II/MECH
24	811217114028	R.Sankaralingam	(I)MECH

Dr. G. Balakrishnan, M.E., Ph.D..
Principal
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Manikandam, Trichy-620 012.



Madural Main Road (NH-45B), Manikandam, Trichy-12.
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S.No.	Reg.No	Student's Name	Year/ Branch
25	811217114030	M.Selvakumar	II/MECH
26	811217114031	A.Shameer	II/MECH
27	811217114032	D.Sivakumar	II/MECH
28	811217114033	A.Sriram	II/MECH
29	811217114034	S.Thirumurugan	II/MECH
30	811217114035	A.Vengatesh	II/MECH
31	811217114036	M.Venkatesh	II/MECH
32	811217114037	P.Vinayagamoorthy	II/MECH
33	811217114038	B.Vinothraja	II/MECH
34	811217114039	D.Yugesh	II/MECH
35	811217114301	K.Arun	II/MECH
36	811217114302	K.Santhosh Kumar	II/MECH
. 37	811217114303	R.Thirumoorthi	II/MECH
38	811217114012	R.Hariharan	II/MECH
39	811217114029	C.Sarathkumar	II/MECH
40	811216114001	Ajmalkhan K	III/MECH
41	811216114002	Amar Praveen D	III/MECH
42	811216114003	Anandaperumal P	III/MECH
43	811216114004	Chinnappan A	III/MECH
44	811216114005	Dayas Kumar M	III/MECH
45	811216114006	Dhinakaran K	III/MECH
46	811216114007	Dhinakaran S	III/MECH
47	811216114008	Dinesh Babu M	III/MECH
48	811216114009	Gobi P	III/MECH
49	811216114010	Gopinath N	III/MECH
50	811216114011	Gunaseelan G	III/MECH
51	811216114012	Hariram S	III/MECH
52	811216114013	Harish M	> III/MECH
53	811216114014	Karan K Dr. G. Balakrish	III/MECH

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COLLEGE OF ENGINEERING Madural Main Road (NH-45B), Manikandam, Trichy-12. Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennal

S.No.	Reg.No	Student's Name	Year/ Branch
54	811216114015	Karthick A	III/MECH
55	811216114016	Kingsley J	III/MECH
56	811216114017	Kiruthikeyan P	III/MECH
57	811216114018	Krishna Prakash N	III/MECH
58	811216114019	Mahendran A	III/MECH
59	811216114020	Mahendran K	III/MECH
60	811216114021	Nagarajan K	III/MECH
61	811216114022	Nambiyappan K	III/MECH
62	811216114023	Nandha Kumar P	III/MECH
63	811216114024	Naveen Kumar K	III/MECH
64	811216114025	Palanisamy K	III/MECH
65	811216114026	Pulamadan K	III/MECH
66	811216114027	Ramkumar R	III/MECH
67	811216114028	Robert A	III/MECH
68	811216114029	Sasi Kumar S	III/MECH
69	811216114030	Senthil Kumar B	III/MECH
70	811216114031	Subash Salamon S	III/MECH
71	811216114032	Tamilselvan C	III/MECH
72	811216114033	Vairavel A	III/MECH
73	811216114034	Vasudevan A`	III/MECH
74	811216114035	Vengatraman V	III/MECH
75	811216114036	Vignesh K	III/MECH
76	811216114037	Yanatharan T	III/MECH
77	811216114301	B.Gokul	III/MECH
78	811216114302	S.Hariharan	III/MECH
79	811216114304	J.Karunakaran	III/MECH
80	811216114305	Manoj Kumar K	III/MECH
81	811216114701	S.Vasanth	III/MECH
82	811216114702	V.K.Karthekeyan Dr. G. Balakrishnan M.F.	III/MECH

Dr. G. Balakrishnan, M.E., Ph.D.,
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S.No.	Reg.No	Student's Name	Year/ Branch
83	811215114001	Aravindh M	IV/MECH
84	811215114002	Arunkumar T	IV/MECH
85	811215114004	Chelladurai R	IV/MECH
86	811215114005	Christin Yesudoss A	IV/MECH
87	811215114006	Crown Meshak J	IV/MECH
88	811215114007	Dineshkumar B	IV/MECH
89	811215114008	Dinesh Kumar R	IV/MECH
90	811215114009	Dinesh Kumar V	IV/MECH
91	811215114010	Faizal Dasthahir S.B	IV/MECH
92	811215114011	Gopi P	IV/MECH
93	811215114012	Gunaseelan R	IV/MECH
94	811215114014	Hariharan S	IV/MECH
95	811215114015	Jayaranjan AS	IV/MECH
96	811215114016	Joyal S	IV/MECH
97	811215114017	Karthick M	IV/MECH
98	811215114018	Karthik L	IV/MECH
99	811215114019	Karthikeyan K	IV/MECH
100	811215114020	Karupaiya R	IV/MECH
101	811215114021	Kathiravan M	IV/MECH
102	811215114023	Kristen Kennis K	IV/MECH
103	811215114024	Kumaran R	IV/MECH
104	811215114025	Manikandan N	IV/MECH
105	811215114026	Mathiyarasan S	IV/MECH
106	811215114027	Mohamed Burose A	IV/MECH

VAE Coordinator

Dr. G. Balakrishnan, M.E., Ph.D., Principal Indra Ganesan College of Engineering

IG Valley, Madurai Main Road Manikandam, Trichy-620 012.

HoD/MECH



#### **Department of Mechanical Engineering**

Academic Year 2018-2019-ODD Semester

STUDENTS ATTENDANCE SHEET

Value Added course

Dr. G. Balakrishnan, M.E., Ph.D.,

Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.

### "Introduction to CAD, CAM & Practical CNC Machining"

1967 1960 2000	W		Year/	DA' 05.1	TE: 1,18	DA' 06.1	TE: 1.18		TE: 1.18	1.1588990	TE: 1.18	110000000000000000000000000000000000000	TE: 1.18	NO OF SESSIONS	SIGNATURE OF THE
S.No.	Reg.No	Student's Name	Branch	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	ATTENDED	STUDENT
1	811217114001	S.Abdul Yasin	II MECH	-	1	1	/	-	-	/	-	/	/	10	2 - feeler
2	811217114002	R.Ajithkumar	II MECH			a	_	-	/	/	/	_	/	9	An buc
3	811217114003	S.Anandha Kumar	II MECH	-	-	-	1	/	1	/	1	1	/	10	Den gu2
4	811217114004	M.Ananth	II MECH	1		/	/	a	1	-	1	1	-	9	M. And
5	811217114005	R.Chellaiah	II MECH	/	-	-	/	/	1		-	1	-	10	7.00
6	811217114006	C.Devarajan	II MECH	/	/	-	1	1	/	/	-	-	-	10	( Weren
7	811217114007	S.Dhamotharan	II MECH	/	1	1	/	1	/	1		/		10	2. Phomas
8	811217114008	- 100 miles (100 miles	II MECH	/	1	1	/	a	/	_	-	-	1	9	reach
9	811217114009	C.Dharanidharan	II MECH	1	1	1	1	1	-	-	1	1	1	10	Dhy nely
10	811217114010	N.Dharman	II MECH	/	/	1	1	10	/		/	1	/	10	Dham
11	911217114013	M.Hariharasudhan	II MECH	1	/	/	1	/	1	1			/	10	# ODE THE
12	811217114014	A.Jawagar	II MECH	/	1	/	1	1	/	/	1	1-	1	10	Samagas



S.No.	Reg.No	Student's Name	Year/		TE: 06.19	DA 12.0	TE: 6.19		TE: 6.19	DA 14.0	TE: 6.19		TE: 6.19	NO OF SESSIONS	SIGNATURE OF THE
5.110.	Reg.140	Student's Name	Branch	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	ATTENDED	STUDENT
13	811217114015	Karthick S	II MECH	/	/	/-	1	/	/	/	/	1	_	10	Roth.
14	811217114016	D.Madhan	II MECH	0	1	1	V	0	1	~	/	1	~	10	D. 100
15	811217114018	M.Mohammed Faizal	II MECH	0	0	0	V	a	V	V	~	1	1	09	Min
16	811217114019	S.Mohanraj	II MECH	1	1	~		-	_	-	-	U	0	10	Dan.
17	811217114020	R.Munishwaran	II MECH	1	0	V	1	/	1	1	-	V	5	16	Murahue
18	811217114021	P.Murugan	II MECH	1	~	V	/	-		-	-	V	9	lo	myso
19	811217114022	P.Ponnar	II MECH	/	1	9	1	/	5	-	_	V	~	10	March
20	811217114023	M.Prakash	II MECH	/	/	n	1	-	1	-		1	1	(0	Kal
21	811217114025	M.Rajamuni	II MECH	/	0	n	/	1		1	_	1	-	10	Sorton
22	811217114026	La.Ramanathan	II MECH	/	1	V	1	-	1	-	1	/	/	10	1
23	811217114027	G.Sairam	II MECH	/	1	V	/	1	/	1	1	1	/	(0	from.
24	811217114028	R.Sankaralingam	II MECH	1	1	N	-	1	1	-	/	-	1	w	SIP
25	811217114030	M.Selvakumar	II MECH	11	1	V	/	1	1	-		1	1	(0	T Frell
26	811217114031	A.Shameer	II MECH	1	/	V	/	-	1	-	1	7	1	(0	Showing
27	811217114032	D.Sivakumar	II MECH	/	1	~	/	-	1	-	-	/	/	\0	men
28	811217114033	A.Sriram	II MECH	1	1	1	1	-	(	-	/	~	0	(6	Suran
29	811217114034	S.Thirumurugan	II MECH	1	1	1	/	a	/	-	/	1	~	Dq	- Vente
30	811217114035	A.Vengatesh	II MECH	1	1	1	/	-	1	_	/	1	5	(0	4 rong
31	811217114036	M.Venkatesh	II MECH	1	/	1	-	/	1	1	1	1	~	10	VunMa
32	811217114037	P.Vinayagamoorthy	II MECH	1	1	1	/	-	1	-	1	_	9	10	THE WAY
33	811217114038		II MECH	1	1	/	/	/	1	-	/	1	~	0/	njoindo
34	811217114039		II MECH	r	1	-	1	1	1	1	1	1	1	10_	Juggh.
35	811217114301		II MECH	1	1	/	/	1	1	1	1	1	1	Dr G Ralal	· Cort

Dr. G. Balakrishnan, M.E., Ph.D., Principal Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.



S.No.	Reg.No	Student's Name	Year/	1	TE: 06.19	0.000	TE: 06.19		TE: 06.19	DA 14.0	TE: 6.19		TE: 06.19	NO OF SESSIONS	SIGNATURE OF THE
		Was an anti-	Branch	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	ATTENDED	STUDENT
36	811217114302	K.Santhosh Kumar	II MECH	101	1	1	1	1	1	1	1	/	20	10	K. elly
37	811217114303	R.Thirumoorthi	II MECH	~	1	1	1	1	1	1	1	1	1	10	1
38	811217114012	R.Hariharan	II MECH	1	1	10	1	1	1	1	1	1	/	10	heri
39	811217114029	C.Sarathkumar	II MECH	1	1	1	1	1	1	1	1	~	1	In	Col 100
40	811216114001	Ajmalkhan K	III/MECH	1	1	1	1	1	1	5	1	1	0	10	At into
41	811216114002	Amar Praveen D	III/MECH	có	1	a	1	S	u	1	~	1	V	10	Bwar
42	811216114003	Anandaperumal P	III/MECH	-	1	1	1	~	1	1	1	1	1	10	awel
43	811216114004	Chinnappan A	III/MECH	1	1	1	1	0	1	1	1	1	1	10	chron
44	811216114005	Dayas Kumar M	III/MECH	SA	N	5	1	~	1	1	1	ノ	0	10	Donle
45	811216114006	Dhinakaran K	III/MECH	1	~	~	0	0	·v	5	n	5	n	10	Edulies.
46	811216114007	Dhinakaran S	III/MECH	5	u	5	1	1	1	1	1	1	1	10	Si Ridge
47	811216114008	Dinesh Babu M	III/MECH	1	-	9	5	5	1	1	1	1	1	Oj	boulack
48	811216114009	Gobi P	III/MECH	0	1	1	1	1	1	1	1	1	1	_\ <del>@</del>	gaki !
49	811216114010	Gopinath N	III/MECH	1	1-	0	0	1	7	1	1	1	7	0	Suptha
50	811216114011	Gunaseelan G	III/MECH	2	1	1	1	1	1	1	7	1	1	10	Gunasay
51	811216114012	Hariram S	III/MECH	1	1	-	1	1	1	1	7	1	1	10	Postita
52	811216114013	Harish M	III/MECH	1	1	1	1	1	1	1	~	0	1	(6	harilla
53	811216114014	Karan K	III/MECH	/	V	1	1	1	1	1	1	1	1	(0	(sorran)
54	811216114015	Karthick A	III/MECH	1	1	1	/	1	1	1	1	1	1	10	touthet
55	811216114016	Kingsley J	III/MECH	1	1	1	0	-	1	1	1	1	1	10	Engelle
56	811216114017	Kiruthikeyan P	III/MECH	1	1	1	1	1	1	1	1	1	1	10	KINOWA
57	811216114018	Krishna Prakash N	III/MECH	1	1	1	1.	1	1	1	1	1	1	10	percesses
58	811216114019	Mahendran A	III/MECH	1	1	1	1	1	1	1	1	1	1	(0)	newharts

Dr. G. Balakrishnan, M.E. Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



S.No.	Reg.No	Student's Name	Year/	575555	TE: 6.19	DA 12.0		1.000000	TE: 6.19	2000000	TE: 6.19		TE: 6.19	NO OF SESSIONS	SIGNATURE OF THE
	***************************************	Statent 3 Tune	Branch	FN	AN	FN	AN	FN	AN	FN	AN.	FN	AN	ATTENDED	STUDENT
63	811216114024	Naveen Kumar K	III/MECH	1	1	1	0	0	0	0	0	0	0	الما	C.10
64	811216114025	Palanisamy K	III/MECH	0	0	7	0	1		-	)	(	1	10	K. Pato
65	811216114026	Pulamadan K	III/MECH	1	0	0	1	1	0	0	0	)	1	10	r. Auam
66	811216114027	Ramkumar R	III/MECH	1	3	1	/	1	-	1	1	1	-	10	D. Pan
67	811216114028	Robert A	III/MECH	-	1	1	/	-	1	-	/	/		10	A · Pot
68	811216114029	Sasi Kumar S	III/MECH	1	0	0	0	0	0	3	1	1	1	a	S. Fard
69	811216114030	Senthil Kumar B	III/MECH	1	1	-	-	-	-	1	-	1	-	10	8. senta
70	811216114031	Subash Salamon S	III/MECH	/	1	1	/	/	/	1	1	/	/	10	5.800
71	811216114032	Tamilselvan C	III/MECH	0	1	1	2	0	0	0	1	1	1	à	Tool
72	811216114033	Vairavel A	III/MECH	-	_	1	/	/	-	/	/	-	-	10	Variare
73	811216114034	Vasudevan A`	III/MECH	1	-	-	-	1	-	1	1	/	-	10	Vot.
74	811216114035	Vengatraman V	III/MECH	1	-	-	1	1	-	١	1	1	-	10	Verga
75	811216114036	Vignesh K	III/MECH	1	/	/	/	1	/		1	1	1	10	ugineet
76	811216114037	Yanatharan T	III/MECH	0	1	0	1	1	7/	5	1	0	1	al	H
77	811216114301	B.Gokul	III/MECH	-	-	a	Q	1	-	1	-	1	1	8	otest
78	811216114302	S.Hariharan	III/MECH		(	1	1	1	/	1	1	1	-	IO.	Helen
79	811216114304	J.Karunakaran	III/MECH	/	1	-	1	1	-	/	1	/	-	10	market
80	811216114305	Manoj Kumar K	III/MECH	-	1	1	/	/	1	/	-	/	1	10	besath
81	811216114701	S.Vasanth	III/MECH	0	0	0	0	0	2	0	9	0	2	01_	V.E
82	811216114702	V.K.Karthekeyan	III/MECH	/		-	1	1	1	1	1	-	-	10	mol.
83	811215114001	Aravindh M	IV/MECH	1		1	1	1	/	/	-	1	-	10_	Avour
84	811215114002	Arunkumar T	IV/MECH	/	1	1	1	-	/	1	1	1	-	10	Andre
85	811215114004	Chelladurai R	IV/MECH	1	1	/	1	/	-	/	-	1	١	10	endor

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



S.No.	Reg.No	Student's Name	Year/	75.79.7	TE: 6.19	1000	TE: 6.19		TE: 6.19	1/27/1913	TE: 6.19	1773/03/5	TE: 6.19	NO OF SESSIONS	SIGNATURE OF THE	
			Branch	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	ATTENDED	STUDENT	
86	811215114005	Chella pandiyan	IV/MECH	1	1	1	1	1	~	1	1	1	1	9	- Aut	]
87	811215114006	Crown Meshak J	IV/MECH	1	1	1	/	-	/	1	1	1	/	to	4	l
88	811215114007	Dineshkumar B	IV/MECH	~	/	1	/	/	/	_	1	/	/	lo	Dee	4-04
89	811215114008	Dinesh Kumar R	IV/MECH	1	a	~	-	/	1	1	1	>	1	9 -		
90	811215114009	Dinesh Kumar V	IV/MECH	1	1	1	1	1	/	-	1	7	1	10	V-Dorush	Kurmas
91	811215114010	Faizal Dasthahir S.B	IV/MECH	^	^	1	1	1	1	1	1	1	1	vo (	derl.	
92	811215114011	Gopi P	IV/MECH	1	1	~	1	1	1	1	1	~	1	10 -	a pri	
93	811215114012	Gunaseelan R	IV/MECH	1	1	1	1	1	5	4	7	1	7	10	and want	an
94	811215114014	Hariharan S	IV/MECH	>	1	1	1	1	1	1	1	1	1	LO	Thougho	u
95	811215114015	Jayaranjan AS	IV/MECH	1	1	-	-	/	~	1	-	1	-	10	the of	
96	811215114016	Joyal S	IV/MECH	1	/	-	-	1	-	1	1	-	1	10 4	An	L .
97	811215114017	Karthick M	IV/MECH	1	1	/	/	1	1	1	1	-	1	10	Last.	
98	811215114018	Karthik L	IV/MECH		~	-	1	/	1	1	1	1	1	10	Lavier	*
99	811215114019	Karthikeyan K	IV/MECH	~	1	1	1	1	a	-	~	1	a	8 "	dent	•
100	811215114020	Karupaiya R	IV/MECH	1	1	1	7	1	1	0	1	1	1	10	Two of	-
101	811215114021	Kathiravan M	IV/MECH	1	1	1	7	1	1	5	7	1	1	4	Lathon.	1 .
102	811215114023	Kristen Kennis K	IV/MECH	~	2	1	1	1	1	1	1	1	1	LO	des .	•
103	811215114024	Kumaran R	IV/MECH	1	1	1	_	1	~	1	1	1	9	10	burger!	
104	811215114025	Manikandan N	IV/MECH	1	1	-	1	1	1	1	1	2	2	w	portul	
105	811215114026	Mathiyarasan S	IV/MECH	1	7	1	1	1	1	5	1	1	1	10	MOST	^
106	811215114027	Mohamed Burose A	IV/MECH	71	1	1	N	1	1	1	~	_	1	co	00	

Dr. G. Balakrishnan M.E., Ph.D.,

Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.



S.No.	Rcg.No	Student's Name	Year/ Branch	DATE: 11.06.19		DATE: 12.06.19		DATE: 13.06.19		DATE: 14.06.19		DATE: 15.06.19		NO OF SESSIONS	SIGNATURE OF THE	
				FN	AN	FN	AN	FN	AN	FN	ÀN	FN	AN	ATTENDED	STUDENT	
105	811215114026	Mathiyarasan S	IV/MECH	1	-	-	5	7	7	7	7	7	^	0	Clery	
106	811215114027	Mohamed Burose A	IV/MECH	-	-	- /	1	5	7	1	S	S	1	lo	Colexe)	

Dr. G. Balakri

Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Name of the Student:

Year/Sem:

AU Register Number:

#### Value Added Course

	171		
	"Introduction to CAD, CAM &	Practical CNC	Machining"
	MCQ QUESTIONS (	25X4 = 100 Mar	<u>ks)</u>
1.	The Data Panel is accessed by clicking its ic a) Marking menu.	on on the: c) Browser.	
	b) Application Bar.	d) Tool bar.	
2.	If a sketch entity is blue, it means that it: a) Has a constraint.	c) Has a dimension	<b>1.</b>
	b) Underdefined.	d) Is a construction	n entity
3.	When starting from a new, empty design, when extruding a sketch profile into a solid or a sura.  a) Named Views.	urface? c) Bodies.	wser appears after
	b) Sketches.	d) Origin.	
4.	Which of the following can be applied while profile?	creating an Extrudeo	d feature from a sketch
	a) Shell.	c) Fillet.	
	b) Draft	d) Chamfer.	
5.	One way that Projected drawing views differ a) Position alignment of Projected views is locked to the parent view. b) Projected views can have a scale which is different from the parent view.	c) Isometric views	can have an appearance rom the parent view.
6.	Fixturing is also often referred to as?	a) Amostina	Dr. G. Balakrishpan, M.E., Ph.D.,
	a) Work holding.	c) Arresting.	Principal Indra Ganesan College of Engineering
	b) Immobilizing.	d) Grounding.	IG Valley, Madurai Main Road Manikandam, Trichy-620 012.

7.	When measuring and adjusting the squaren vise to test for squareness?	¥				
	a) Fixed jaw.	c) Movable jaw.				
	b) The vise casting.	d) The vise screw.				
8.		a Lathe? c) All lathes are different with no defining characteristic.				
	b) The material is spinning relative to the tool.	d) The tool is spinning relative to the material.				
9.	What axis typically aligns parallel with the a) X axis.	fixed jaw on a vise on a CNC mill? c) Z axis.				
	b) Y axis.	d) None of the above				
10.	On a CNC lathe, material spins about which	n axis?				
	a) X axis.	c) Z axis.				
	b) Y axis.	d) None of the above				
11.	height measurements to define the stock size					
	a) Fixed size box.	c) Relative size box.				
	b) From solid.	d) Relative size cylinder				
	When creating a CAM setup, where does the a) In the save version comment.	e program comment get used down-stream? c) It doesn't get used.				
	b) In the NC file.	d) In each toolpath				
	When creating a new tool in Fusion 360, wh	ich of the following is not a parameter you				
	a) Feeds and speeds.	c) Tool number.				
	b) Tool material.	d) Tool display color.				
	When filtering machine configurations what a) Cloud and local.	locations can be selected to search? c) Only cloud currently.				
·	Dr. G. Balakrishnan, M.E., Ph.D., Principal Indra Ganesan College of Engineering	d) Document and system.time for its successor activity				
	IG Valley, Madural Main Road Manikandam, Trichy-620 012.					

	ng up a machine configuration files a "capability"?	le, which of the fol	lowing options is not
a) Milling.		c) Mill-turn.	
b) Turning		d) Cutting.	
16. Which set a) Cutting.	tup operation type is the correct of	choice when using a c) Milling.	a waterjet to make a part?
b) Grinding	g.	d) Turning or mi	11/turn.
17. Fusion 360 the following	uses yellow lines when displaying?	ng calculated toolp	aths to indicate which of
	g movements.	c) Rapid moveme	ents.
b) Lead-in	or lead-out movements.	d) Cutting move	ements.
18. The physical a) Drawing	al material for a body is assigned	while in which wo	orkspace?
b) Manufat	ure.	d) Design.	
Clearing to	he Rest Machining option in the a olpaths is useful for which of the ag only the remaining material	following?	9 7
	revious toolpath.	o) madming on	y open poeness.
b) Aggressi	vely roughing out material.	d) Machining on	ly fully enclosed pockets.
20. A pocket the known as?	hat meets the outer contour of a p	part and is not fully	enclosed is commonly
a) An open	pocket.	c) A degenerate p	oocket.
b) A Partial	ly enclosed pocket.	d) A semi-pocket	
**	e of creating User Parameters is Constraint to sketch entities		ıl material of a body.
b) Create a	sketch.	d) Control the val dimensions from	lue of multiple a single access point.
22. Which of th a) Chamfers	ne following cannot be applied to	Bodies alone? c) Joints.	Dr. G. Balakrishnan, M.E., Ph.D
b) Extrudes		d) Revolves.	Principal Indra Ganesan College of Engineerin IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.



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- 23. What occurs every time a file is saved in Fusion 360?
  - a) None of these.

c) A Version is created.

b) A Simulation is run.

- d) The file opens in a web browser
- 24. What is the typically attachment hardware used to hold down a vise of stock to a CNC mill's table?
  - a) C nuts.

c) T nuts.

b) X nuts.

- d) Square nuts.
- 25. Tool library sample tools can't be edited, but they can be:
  - a) Copied.

c) Duplicated.

b) Moved.

d) Deleted.

Dr. G. Balakr (shnarr, M.E., Ph.D., Frincipal Indra Ganesan College of Engineering

IG Valley, Madurai Main Road Manikandam, Trichy-620 012. wsj oldsveM (s

with the read part of the

7. We at the extend the larger

ii) Fixed jaw.

עוֹשֵּׁי עֹם נְסָבוֹ וֹסְרָ בּקְנוֹשִׁירְחַכְּבְּיֵי

Name of the Student:	R. Chelladurai	Year/Sem: N- much
AU Register Number:	811215114004	San Sign of Assance of
gwill no defining	Value Added Course	des times some sein in
	to CAD, CAM & Practical CNC	
	OUESTIONS (25X4 = 100 Mar)	
<ol> <li>The Data Panel is access a) Marking menu.</li> </ol>	sed by clicking its icon on the: c) Browser.	a) X axis:
(b) Application Bar.	d) Tool bar.	b) Y oxic.
<ol> <li>If a sketch entity is blue</li> <li>a) Has a constraint.</li> </ol>	, it means that it:	(4. On a CNC tethe, material spa a) X axis.
b) Underdefined.	d) Is a construction	entity a communication of the
<ul><li>3. When starting from a ne extruding a sketch profil</li><li>(a) Named Views.</li><li>b) Sketches.</li></ul>	ew, empty design, which folder in the brolle into a solid or a surface?  c) Bodies.  d) Origin.	height measurement of being as well by From solid.
<ul><li>4. Which of the following c profile?</li><li>a) Shell.</li></ul>	an be applied while creating an Extruded	I feature from a sketch of (a
b) Draft or reference at	lon si grivollo sui l'd) Chamfer.	13. When ejecting a new tool in
Position alignment of I locked to the parent vie b) Projected views can hat is different from the parent of the pa	style different from the above a scale which d) None of the above	can have an appearance om the parent view.
	arizarization in	

CONTRACT TO MARKET



	新2年,1865
7. When measuring and adjusting the vise to test for squareness?	e squareness of a vise, which is the preferred part of the
a) Fixed jaw.	c) Movable jaw.
b) The vise casting.	d) The vise screw.
8. What is the main defining characteristics	teristic of a Lathe?
	its side. c) All lathes are different with no defining characteristic.
tool.	ve to the d) The tool is spinning relative to the material.
40 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	4 001 = LXR() 8 / (0) [FRIO COM
4	l with the fixed jaw on a vise on a CNC mill?
(a) X axis.	e) Vladision menu.
b) Y axis.	d) None of the above
10. On a CNC lathe, material spins a	2. If a skereff entity is blue, it means that said a skereff entity is blue, it means that said a skereff entity is blue.
a) X axis.	NE PRESENTE DE LEGION DE LA GARAGE DE LA GAR
b) Y axis.	d) None of the above
11. Under the setup tab, which stock	made allowe the light in infill specific width dobut and
height measurements to define th	e stock size?
a) Fixed size box.	c) Relative size box.
b) From solid.	d) Relative size cylinder
<ul><li>12. When creating a CAM setup, wh</li><li>a) In the save version comment.</li></ul>	ere does the program comment get used down-stream?  The state of the program comment get used.
b)In the NC file.	nelified) In each toolpath
13. When creating a new tool in Fusi	on 360, which of the following is not a parameter you
can control?	A contract to the second of any tract and the second of th
a) Feeds and speeds.	214 OHJOUR STATE DE CIPETRO HOUSE HAGES
b) Tool material.	d) Tool display color.
14 When filtering machine configur	ations what locations can be selected to search?
a) Cloud and local.	intering is also offen relation to as:
b) Cloud, document, local and sy	stem.time d) Document and system.time for its
	entrance of Change of Change of Change of
Dr. G. Balakrishnan, M.E Principal	, Ph.D.,
Indra Ganesan College of Er	
IG Valley, Madural Main Manikandam, Trichy-62	



15. When setting	up a machine configuration	n file, which of the following	options is not
available as a	"capability"? Repro el maiero	V A (b	a) Come of the se.
<ul><li>a) Milling.</li></ul>		© Mill-turn.	
3 T	file opens in a web browse		b) A Simulation is run.
b) Turning.	and down to be mineral to the	d) Cutting.	
16. Which setup	Operation type is the come	of ot been successful tremilest ct choice when using a waterje	ar Arrestals and States with
a Cutting.			
Cutting.	.2.	m c) Milling.	n) C nuts.
b) Grinding.	re nuts.	Turning or mill/turn.	b) X auts.
17. Fusion 360 us	es vellow lines when displa	aying calculated toolpaths to in	ndigate which of
the following?			
a) Ramping m	4.00000 (.0000)		Teido J (n
a) ramping in	ovements.	(c) Rapid movements.	b) Meyed
b) Lead-in or	lead-out movements.	d) Cutting movements.	TOADLE (C)
,	road out movements.	d) Cutting movements.	
18. The physical r	naterial for a body is assign	ned while in which workspace	7 10
a) Drawing.		c) Animation.	•
,		PHENOLOGICAL CONTROL	Dated Frank
b) Manufature	) <u>.</u>	d) Design.	(D)
19. Choosing the	Rest Machining option in the	he 2D Pocket, 2D Contour or 2	2D Adaptive
Clearing toolp	oaths is useful for which of	the following?	D Adaptive
	only the remaining material		a calcata
100	vious toolpath.	c) wacming only open p	Juckets.
		-0	59E
b) Aggressivel	ly roughing out material.	d) Machining only fully e	enclosed pockets.
20. A pocket that	meets the outer contour of	a part and is not fully enclosed	d is commonly
known as?		~/	
a) An open po	cket.	c) A degenerate pocket.	
	*	S. Marganian Person	× 28
b) A Partially	enclosed pocket.	d) A semi-pocket.	
21. One purpose o	of creating User Parameters	is to:	
	nstraint to sketch entities	c) Set the physical materia	al of a body.
b) Create a ske	etch	Control the value of mu	ultinla
b) Create a ske	ion.	dimensions from a single a	
			occess point.
22. Which of the f	following cannot be applied	to Bodies alone?	114.1
(a) Chamfers	(120g) -	A Tailata	Ut
O CHILLIANS	*S	Dr. G. L	Balakrishnan, M.E., Ph.D.,
b) Extrudes			rrincinal
		,	nesan College of Engineering Illey, Madurai Main Road
		Mani	kandam, Trichy-620 012.
1190			and the state of the fall of the filling for the

23. What occurs every time a	file is saved in Fusion 360?	edgenes stylloway go yethak (tep. 2.1)
(a) None of these.	c) A Versi	on is created. didding to the alcoholicve
	snor hiM (s.	a) Milling
b) A Simulation is run.		opens in a web browser
24. What is the typically attack		
mill's table?	the minimum adv polaria testa	16. Which setup operation type is the ea
a) C nuts.	agnissie (1) nuts.	a) Cutting.
b) X nuts.	nurlling to grimuld) Square n	b) Grinding.
25. Tool library sample tools	can't be edited but they can be	17. Fusion 360 uses yellow fines when de
(a) Copied.	c) Duplicate	
(3) сориси.	c) Rapid movements.	a) Romeing movements.
b) Moved.	d) Deleted.	
	d) Cutting movement	b) Lead in or lead-out movements.
21	10.0	
Dr. G. Ba		18. The physical material for a body is as
Indra Gane	San College of Facility	a) Drawing.
	ey, Madurai Main Road andam, Trichy-620 012.	- b) Manufistoro.
		19. Choosing the Rest Machining option
in the track of the second of		Creating toolpoths is useful for which
en pockets.		<ul> <li>Removing only the remaining mate from a previous teelpath.</li> </ul>
*	* 30 =	
lly enclosed põekets.	L - (d) Machining only till	b) Aggressively coughing our materic
osed is composity	r of a part and is not fully encl	20. A pocket that mevis the outer contact
	. 8	kotown as?
.10	d A degenerate rocky	a) An open pocket.
	d) A semi-pocket.	b) A Partially enclosed packet.
	ant ai wash	21. One purpose of creating User Parame
derial of a body.		Apply a Constraint to sketch entition
	d) Control the value o	b) Create a sketch.
tylo access point.	ola o morb anchamanth.	v = a
		22. Which of the following cannot be app
tacioni f	c) Joints.	Ai Chantiers
The state of the s	d) Revolves.	u) Extrodes
Total Change Total Call Call Call		n <u>a</u>



#### Value Added Course

#### "Introduction to CAD, CAM & Practical CNC Machining"

#### ANSWER KEY

1	b	6	а	11	a	16	а	21	d
2	ь	7	a	12	b	17	С	22	a
3	a	8	b	13	d ·	18	d	23	a
4	b	9	a	14	b	19	a	24	С
5	а	10	С	15	С	20	a	25	а

Dr. G. Balakrishnan, M.E., Ph.,

Indra Ganesan College of Engineeri: IG Valley, Madurai Main Road Manikandam, Trichy-620 01?

**VAC Coordinator** 

HoD/MECHANICAL



#### Department of Mechanical Engineering

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.

Academic Year 2018-2019-Even Semester

STUDENTS ASSESEMENT SHEET

"Introduction to CAD, CAM & Practical CNC Machining"

S.No.	Reg.No	Student's Name	Year/	Attendan	ce Details	VAC-MO	OVERALL	
S.1V0.			Branch	No. of Hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	MARK(100) (50% of A + 50% of B)
1	811215114001	Aravindh M	IV/MECH	30	100	20	80	90
2	811215114002	Arunkumar T	IV/MECH	30	100	18	72	86
3	811215114004	Chelladurai R	IV/MECH	27	90	19	76	83
4	811215114005	Christin Yesudoss A	IV/MECH	30	100	22	88	94
5	811215114006	Crown Meshak J	IV/MECH	30	- 100	18	72	86



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Dr. G. Bołakrishnan, M.E., Ph.D.,
Principal
College of Engineering

S.No.	10 20 100 11	Student's Name	Year/	Attendan	ce Details	VAC-M	IG V	Ganesan College of Engine 5 Valley, Madurai Main Roa 1anikan AMERIAN 520 01	
5.140.	Reg.No		Branch	No. of Hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	MARK(100) (50% of A + 50% of B)	
6	811215114007	Dineshkumar B	IV/MECH	30	100	20	80	90	
7	811215114008	Dinesh Kumar R	IV/MECH	30	100	18	72	86	
8	811215114009	Dinesh Kumar V	IV/MECH	30	100	20	80	90	
9	811215114010	Faizal Dasthahir S.B	IV/MECH	30	100	19	76	88	
10	811215114011	Gopi P	IV/MECH	30	100	19	76	88	
11	811215114012	Gunaseelan R	IV/MECH	30	100	20	80	90	
12	811215114014	Hariharan S	IV/MECH	24	80	20 .	80	. 80	
13	811215114015	Jayaranjan AS	IV/MECH	30	100	22	88	94	
14	811215114016	Joyal S	IV/MECH	27	90	. 20	80	85	
15	811215114017	Karthick M	IV/MECH	30	100	19	76	88	



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Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

S.No.	Reg.No	Student's Name	Year/	Attendan	cc Details	VAC-MCQ TEST IG Valley, May wei Mein Roa Manikandar MAKKY 100 01			
5.110.	Reg.No	Student's Name	Branch	No. of Hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	(50% of A + .50% of B)	
16	811215114018	Karthik L	IV/MECH	30	100	19	76	88	
17	811215114019	Karthikeyan K	IV/MECH	30	100	20	80	90	
18	811215114020	Karupaiya R	IV/MECH	30	100	19	76	88	
19	811215114021	Kathiravan M	IV/MECH	30	100	19	76	88	
20	811215114023	Kristen Kennis K	IV/MECH	30	100	22	88	94	
21	811215114024	Kumaran R	IV/MECH	24	80	18	72	76	
22	811215114025	Manikandan N	IV/MECH	30	100	22	.88	94	
23	811215114026	Mathiyarasan S	IV/MECH	30	100	22	88	94	
24	811215114027	Mohamed Burose A	IV/MECH	30	100	20	. 80	90	
25	811215114028	Mohamed Ishaq S	IV/MECH	30	100	18	72	86	



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S.No.	Reg.No	Reg.No Student's Name		Attendan	ce Details	VAC-M	CO IEST 10 AS	Principal esan College of Eng ley, OSC BANGA R
	- Sinto	. Student's Name	Branch	No. of Hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	(50% of A + 50% of B)
26	811215114029	Mohandoss M	IV/MECH	. 30	100	19	76	88
27	811215114030	Muralidharan R	IV/MECH	30	100	20	80	90
28	811215114031	Mutharasu D	IV/MECH	30	100	18	72	86
29	811215114032	Muthu Kumar S	IV/MECH	30	100	20	- 80	90
30	811215114033	Naveen Raj R	IV/MECH	30	100	18	72	86
31	811215114034	Parthiban R	IV/MECH	30	100	20	80	90
32	811215114035	Pradeep N	IV/MECH	30	100	20	80	90
33	811215114036	Praveen Kumar J	IV/MECH	30	100	18	72	86
34	811215114037	Praveen Kumar M	IV/MECH	30	100	19	76	88
35	811215114038	Premkumar R	IV/MECH	24	80	18	72	76



Dr. G. Balakrishnan, M.E., Ph.D., Principal Indra Ganesan College of Engineering

			Vanul	Attendance Details Year/			VAC-MCQ TEST IG Val Manik		
S.No. I	Reg.No	Student's Name	Branch	No. of Hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	(50% of A + 50% of B)	
36	811215114039	Ramachandran M	IV/MECH	30	100	20	80	90	
37	811215114040	Ramakannan A	IV/MECH	30	100	18	72	86	
38	811215114041	Revanth S	IV/MECH	30	100	20	80	90	
39	811215114042	Sabarinathan P	IV/MECH	30	100	- 18	72	86	
40	811215114043	Saffar Hussain SB	IV/MECH	30	100	19	76	88	
41	811215114044	Sairaj M	IV/MECH	30	100	20	80	90	
42	811215114045	Santhosh M	IV/MECH	30	100	19	76	88	
43	811215114046	Saravannan R	IV/MECH	27	90	22	88	89	
44	811215114047	Selva Kumar S	IV/MECH	30	100	. 18	72	86	
45	811215114048	Shyam Sundar R	IV/MECH	30	100	22	88	94	



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Dr. G. Balakrishnan, M.E., Ph.D.,

C N-	Reg.No	0.1	Year/	Attendan	ce Details	VAC-M	VAC-MCQ TEST Valley, Machier Manikandam Mrk K(1991)			
S.No.		Student's Name	Branch	No. of Hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	(50% of A + 50% of B)		
46	811215114049	Solairaj P	IV/MECH	30	100	20	80	90		
47	811215114050	Sudhakar R	IV/MECH	30	100	20	80	90		
48	811215114051	Sundaramaran P	IV/MECH	30	100	18	72	86		
49	811215114052	Suseeindran V	IV/MECH	30	100	19	76	88		
50	811215114053	Syed Kaja S	IV/MECH	30	100	22	88	94		
51	811215114054	·Tamilarasan G	IV/MECH	30	100	18	72	86		
52	811215114055	Thamotharan K	IV/MECH	24	80	20	80	80		
53	811215114056	Thanasekaran G	IV/MECH	30	100	19	76	88		
54	811215114057	Valarmathi M	IV/MECH	30	100	20	- 80	90		
55	811215114058	Venkatesh Babu G	IV/MECH	30	100	18	72	86		



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### Ganesan

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Dr. G. Britishnan, M.E., Ph.D.,

	Reg.No			Attendar	ace Details	Indra Ganesan College of Engineering VAC-MCO YELST Madural MANISCALL Manikandam, Tich MERRN E100)			
S.No.		Student's Name	Year/ Branch	No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	(50% of A + 50% of B)	
56	811216114017	Kiruthikeyan P	III/MECH	30	100	22	88	94	
57	811216114018	Krishna Prakash N	III/MECH	30	100	18	72	86	
58	811216114019	Mahendran A	III/MECH	30	100	19	76 -	88	
59	811216114020	Mahendran K	III/MECH	30	100	20	80	90	
60	811216114021	Nagarajan K	III/MECH	30	100	18	72	86	
61	811216114022	Nambiyappan K	III/MECH	30	100	19	76	88	
62	811216114023	Nandha Kumar P	III/MECH	30	100	22	88	94	
63	811216114024	Naveen Kumar K	III/MECH	30	100	18	72	86	
64	811216114025	Palanisamy K	III/MECH	30	100	18	72	- 86	
65	811216114026	Pulamadan K	III/MECH	30	100	18	72	86	
66	811216114027	Ramkumar R	III/MECH	30	100	18	72	86	
67	811216114028	Robert A	III/MECH	30	100	19	76	88	
68	811216114029	Sasi Kumar S	III/MECH	30	- 100 .	20	80	90	
69	811216114030	Senthil Kumar B	III/MECH	30	100	20	80 -	90	
. 70	811216114031	Subash Salamon S .	III/MECH	30	100	20	80	90	
71	811216114032	Tamilselvan C	III/MECH	27	90	22	88	89	
72	811216114033	Vairavel A	III/MECH	30	100	18	72	86	
73	811216114034	Vasudevan A`	III/MECH	30	100	19	76	88	
74	811216114035	Vengatraman V	III/MECH	30	100	20 -	80	90	
75	811216114036	Vignesh K	III/MECH	30	100	18	72	86	
76	811216114037	Yanatharan T	III/MECH	30	100	19	76	88	
77	811216114301	B.Gokul	III/MECH	24	80	22	88	84	



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		a I	Year/	Attendar	nce Details	VAC-M	CQ TESTIGIVAL	esan Ceffel engine Manus propins Manus kasaring
S.No.	Reg.No	Student's Name	Branch	No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	(50% of A + 50% of B)
78	, 811216114302	S.Hariharan	III/MECH	30	100	18	72	86
79	811216114304	J.Karunakaran	III/MECH	30	100	18	72	86
80	811216114305	Manoj Kumar K	III/MECH	30	100	18	72	86
81	811216114701	S.Vasanth	III/MECH	30	100	18	72	86
82	811216114702	V.K.Karthekeyan	III/MECH	27	90	18	72	81
83	811215114001	Aravindh M	IV/MECH	30	100	22	88	94
84	811215114002	Arunkumar T	IV/MECH	30	100	20	80	90
85	811215114004	Chelladurai R	IV/MECH	30	100	18	72	86
86	811215114005	Christin Yesudoss A	IV/MECH	30	100	19	76	88
87	811215114006	Crown Meshak J	IV/MECH	30	100	20	80	90
88	811215114007	Dineshkumar B	IV/MECH	30	100	18	72	86
89	811215114008	Dinesh Kumar R	IV/MECH	27	90	18	72	81
90	811215114009	Dinesh Kumar V	IV/MECH	30	100	18	72	86
91	811215114010	Faizal Dasthahir S.B	IV/MECH	30	100	20	80	90
92	811215114011	Gopi P	IV/MECH	30	100	20	80	90
93	811215114012	Gunaseelan R	IV/MECH	30	100	18	72	86
94	811215114014	Hariharan S	IV/MECH	30	100	19	76	88
95	811215114015	Jayaranjan AS	IV/MECH	30	100	18	72	86
96	811215114016	Joyal S	IV/MECH	30	100	, 20	80	90
97	811215114017	Karthick M	IV/MECH	30	100	/ 18	72	86
98	811215114018	Karthik L	IV/MECH	27	90	19	76	83
99	811215114019	Karthikeyan K	IV/MECH	27	90	18	72	81



Madural Main Road (NWH-45B), Manikandam, Tiruchirapaili, 620 012

Madural Main Road (NWH-45B), Manikandam, Tiruchirapaili, 620 012

Madural Main Road (NWH-45B), Manikandam, Tiruchirapaili, 620 012

				Attendar	ce Details	VAC-M	CQ TEST	OVERALL MARK(100)	
S.No.	Reg.No	Student's Name	Year/ Branch	No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	(50% of A + 50% of B)	
			IV/MECH	30	100	19	76	88	
100	811215114020	Karupaiya R				18	72	86	
101	811215114021	Kathiravan M	IV/MECH	30	100		76	88	
		Kristen Kennis K	IV/MECH	30	100	19			
102	811215114023		IV/MECH	30	100	20	80	90	
103	811215114024	Kumaran R				20	80	90	
34	811215114025	Manikandan N	IV/MECH	30	100			94	
- 34	10.70.70.70.70.70.70.70.70.70.70.70.70.70		IV/MECH	30	100	22	88	10000	
- 35	811215114026	Mathiyarasan S			100	18	72	86	
	01121511/ 127	Mohamed Burose A	IV/MECH	30	100	10			

Joordinator

Dr. G. Balakrishnan, M.E., Ph.D., Principal Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy, 620 012

HOMECH



Dr. G. Balakfishnan; M.E., Ph.D.,

Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.

	Report on Value Added Course								
Title:					Practical CNC Machining				
Resource Person:	Mr. Prabahar Trainer CADD centre Trichy				Mr. Balaji Trainer CADD centre Trichy				
Date of conduct from:	05.11.2018	To:	09.11.	2018	Duration:	30 Hours			
Organized Department:	MECHANICA	L ENC	GINEER	RING					
Participant Year:	2,3,4				Students Registe	ered: 106			
Venue:	Mechanical Semi	nar Ha		100					

## Outcome of Value Added Course (VAC): At the end of the Course, Students can able to

- Know to explain the CAD design process as applied to prismatic parts.
- Know how to summarize the workflow of digital manufacturing..
- Students are expected to learn and practice the skills they will need in the workplace.
- Know to recall foundational knowledge of practical CNC machining.
- They receive required training on CAD, CAM & Practical CNC Machining.

#### **Assessment Process**

- Students, who are securing more than 70% on total score and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted
- Total Score = (0.5 \*Attendance in VAC out of 100 percentage + 0.5 \*Test mark in VAC out of 100 marks)

VAC Coordinator

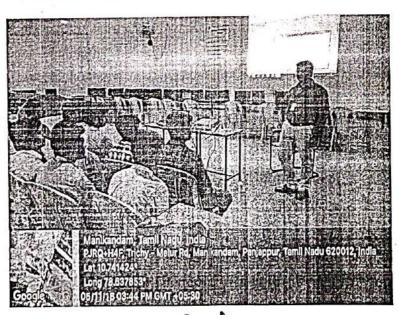
HoD/MECH

Principal



Madural Main Road (NH-45B). Manikandam, Trichy-12, Approved by AICTE, NewDelhi & Affillated to Anna University, Chennal

							8-12	
Introduction to	CAD,	CAM &	Pra	ctical	CNC Ma	chinin	ng	e de
Mr. Prabahar Trainer CADD centre Trichy		Mr. Balaji Trainer CADD centre Trichy						
05.11.2018	To:	09.11.2	018		Duration:	30 H	ours	
MECHANICA	L ENC	GINEER	ING	j		*		
2,3,4 No			No. o	Io. of Students Registered : 106				
Mechanical Sem	160							
	Introduction to Mr. Prabahar Trainer CADD centre Trichy  05.11.2018 MECHANICA 2,3,4	Introduction to CAD, Mr. Prabahar Trainer CADD centre Trichy  05.11.2018 To: MECHANICAL ENG 2,3,4	Introduction to CAD, CAM & Mr. Prabahar Trainer CADD centre Trichy    05.11.2018   To:   09.11.2   MECHANICAL ENGINEER	Introduction to CAD, CAM & Practical Mr. Prabahar Trainer CADD centre Trichy  05.11.2018 To: 09.11.2018 MECHANICAL ENGINEERING 2,3,4 No. c	Introduction to CAD, CAM & Practical Mr. Prabahar Trainer CADD centre Trichy  To: 09.11.2018  MECHANICAL ENGINEERING  2,3,4  No. of Stude	Mr. Prabahar Trainer CADD centre Trichy  CADD centre Trichy  CADD centre Trichy  Duration:  MECHANICAL ENGINEERING  2,3,4  No. of Students Regist	Introduction to CAD, CAM & Practical CNC Machining  Mr. Prabahar  Trainer  CADD centre  Trichy  Trichy  O5.11.2018  To: 09.11.2018  Duration: 30 How MECHANICAL ENGINEERING  2,3,4  No. of Students Registered:	Introduction to CAD, CAM & Practical CNC Machining  Mr. Prabahar Trainer CADD centre Trichy  Trichy  Trichy  Duration: 30 Hours  MECHANICAL ENGINEERING  No. of Students Registered: 106



VAC Coordinator

HOD/MECH

Principa

Dr. G. Balakrishnan, M.E., Ph.D., Principal Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.

CADD

### CADD CENTER

#### CERTIFICATE OF PARTICIPATION

Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli

This is to certify that Mr. Deepak P of IV Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM A Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

Dr. G. Balakrishnan, M.E., Ph.D., Principal

Indra Ganesan College of Engineering IG Yalley, Madurai Main Road Manikandam, Trichy-620 012 Mr. Prabahar, CADD Centre



#### **CADD CENTRE**

Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

#### CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Santhosh M of IV Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering IG Valley, Madurai Main Road

Marikendam Trichy-620 012.

Mr. Prabahar, CADD Centre



Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

#### CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Revanth S of IV Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

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Mr. Prabahar, CADD Centre

Dr. G. Balakrishnan, M.E., Ph.D.,

Indra Ganesan College of Engineering
IG Valley, Madurat Main Road
Manual College of Engineering
2.

Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Sudhahar R of IV Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

De Powbork.

Mr. Prabahar,

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Theny-620 012.



Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

#### CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Prasanth C of IV Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

A Rowborker

Mr. Prabahar,

Dr. G. Baiakrishnan, M.D., Ph.D.,

Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy 520,012.



Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

#### CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Ganesh M of IV Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

A Forentonh

Mr. Prabahar,

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal
Indra Ganesan College of Engineering
IG Valley, Maddrai Main Road
Manikandari Trichy-620 012.



Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

### CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Deepak P of IV Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

A Power of

Mr. Prabahar, CADD Centre

Dr. G. Balakrishnan, M.E., Ph.D., Principal Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy 620 012.



Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

#### CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Manoj Kumar K of III Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM A Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

Deventoules.

Mr. Prabahar,

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.

No Balling

an, M.E., Ph.D.,



Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

#### CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Karan K of III Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering IG Valley, Madurai Main Road Mr. Prabahar, CADD Centre

Dembol.





Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Vasanth S of III Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012. Rowbonky

Mr. Prabahar, CADD Centre



Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Gokul B of III Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

Dr. G. Balakrishnan, M.E., Ph.D.,

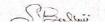
Principal

Indra Ganesan College of Engineering IG Valley, Madurai Main Road

Manifeandam Trichy 520 012

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Mr. Prabahar, CADD Centre



Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

#### CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Vignesh K of III Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering

dra Ganesan College of English IG Valley, Madurai Main Road Manikandam, Trichy-620 012. A Powlanky.

Mr. Prabahar, CADD Centre

S Balling



Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Robert A of III Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

Dr. G. Balakrishnan, M.E., Ph.D.,

-Principal

Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.

A Powlanky

Mr. Prabahar, **CADD** Centre



Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

#### CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Prakash M of II Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

A Powerfunday.

Mr. Prabahar, CADD Centre

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.

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neam, meny-620 012.

Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

#### CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Karthick S of II Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal Indra Ganesan College of Engineering IG Valley, Madurai Main Road

Mr. Prabahar, **CADD** Centre

Deverband.

S. Balini



Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Dharman N of II Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

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Mr. Prabahar, CADD Centre

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering IG Valley, Madurai Main Road

Manikandam, Irichy-520 012.

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Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Devarajan C of II Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.

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Mr. Prabahar, CADD Centre



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## CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Ajithkumar R of II Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Monikandom, Trichy-620 012.

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Mr. Prabahar, CADD Centre





Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

# CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Abdul Yasin S of II Year MECH, Indra Ganesan College of Engineering has successfully completed the Value Added course Introduction to CAD, CAM & Practical CNC Machining conducted from 05 November 2018 to 09 November 2018 (5 days) during the Academic year 2018-2019 odd semester.

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal Indra Ganesan College of Engineering IG Valley, Madurai Main Road

Mr. Prabahar, CADD Centre

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