

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

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION – 2

TEACHING-LEARNING AND EVALUATION

SUBMITTED BY

IQAC INTERNAL QUALITY ASSURANCE CELL INDRA GANESAN COLLEGE OF ENGINEERING

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Criteria2Teaching-Learning and Evaluation350

KeyIndicator-2.3.Teaching-Learning Process (40)

Indra Gane COLLEGE OF ENGINE Madurai Main Road (NH-45B), Manikandam, Tiruchir Addurai Main Road (NH-45B), Manikandam, Tiruchir Addurai Main Road (NH-45B), Manikandam, Tiruchir

2020-2021

PARTICIPATIVE LEARNING MECHANICAL ENGINEERING

Activity	Number of Students Attended	Page No.
Value Added Course(VAC)	83	3
TOTAL STUDENTS ATTENDED	83	-





Criteria2

Teaching-Learning and Evaluation

350

KeyIndicator-2.3.Teaching-Learning Process (40)

2020-2021

MECHANICAL ENGINEERING PARTICIPATIVE LEARNING

VALUE ADDED COURSE



Department of Mechanical Engineering

Academic Year 2020-2021 -ODD Semester

Date: 02.12.2020

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 "Mater CAM" from 07.12.2020 to 11.12.2020. Certificates will be issued to the eligible participants at the end of the Course

Resource Person Details	1. Mr. Balaji
	Trainer
	CADD centre
	Trichy
	2. Mr. Jaya kumar
	Trainer
	CADD centre
	Trichy
Venue	online mode
-	https://meet.google.com/zcm-djnn-mdt.

Cc:

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

PRINCIPAL



Value Added Course

"Master CAM"

SYLLABUS

S.NO	TOPIC COVERED	DURATION (in hours)	DATE
1	Introduction to MASTERCAM	3	07.12.2020
2	Basic concepts of CAM (cutters, machines job setup, etc)	3	07.12.2020
3	Creating 2D drawings tool paths	3	08.12.2020
4	Creating 2D tool paths	3	08.12.2020
5	Creating 3D models (Solid)	3	09.12.2020
6	Creating 3D models (Surface)	3	09.12.2020
7	Creating 3D models tool paths	3	10.12.2020
8	Transforming tool paths	3	10.12.2020
9	Converting Solid to Surface, Surface to Solid,	3	11.12.2020
10	Boolean operations	3	11.12.2020
11	Test	1	11.12.2020
	Total Hours (Excluding Assessment)	30	

Coordinator VAC

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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HOD/MECH



Value Added Course

"Master CAM"

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

STUDENTS PARTICIPATION LIST

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



S.No.	Reg.No	Student's Name	Year/ Branch
23	811217114027	G.Sairam	IV/MECH
24	811217114028	R.Sankaralingam	IV/MECH
25	811217114030	M.Selvakumar	IV/MECH
26	811217114031	A.Shameer	IV/MECH
27	811217114032	D.Sivakumar	IV/MECH
28	811217114033	A.Sriram	IV/MECH
29	811217114034	S.Thirumurugan	IV/MECH
30	811217114035	A.Vengatesh	IV/MECH
31	811217114036	M.Venkatesh	IV/MECH
32	811217114037	P.Vinayagamoorthy	IV/MECH
33	811217114038	B.Vinothraja	IV/MECH
34	811217114039	D.Yugesh	IV/MECH
35	811217114301	K.Arun	IV/MECH
36	811217114302	K.Santhosh Kumar	IV/MECH
37	811217114303	R.Thirumoorthi	IV/MECH

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

HoD/MECH

VAC Coordinator



Madural Main Road (NH-45B), Manikandam, Tiruchirapalii-620 012 Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennal

Department of Mechanical Engineering

Academic Year 2020-2021 – Odd Semester

STUDENTS ATTENDANCE LIST

Value Added Course

"Master CAM"

			114	040000											
			Year/	DA' 07.1		DA' 08.1		DA' 09.1	ТЕ: 2.20	DA' 10.1		DA' 11.1	TE: 2.20	NO OF SESSIONS	SIGNATURE OF THE STUDENT
S.No.	Reg.No	Student's Name	Branch	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	ATTENDED	STUDENT
				1		1	1	1	1	1	1	1	1	10	
1	811217114001	S AUGUU LOSUL	IV/MECH		6	1		1	1	0	1	1	1	10	-
2	811217114002	R.Ajitnkumai	IV/MECH	1	1	1	1	TA	1	0	1	1	1	9	4 1
3	811217114003	S.Ananuna Kumai	IV/MECH	1	1	10	1	1	1	1	1	1	1	10	-
4	811217114004	M.Ananun	IV/MECH IV/MECH	1	1	1	1	1	11	1	1	1	1	10	_
5	811217114005	R.Chellalali	IV/MECH	a	a	1	1	11	1	1	1	1	1	8	- · · ·
6	811217114006	C.Devarajan	IV/MECH	1	1	1	1	1	1/	/	1	//	1	10	Online Mode
7	811217114007	S.Dhamotharan	IV/MECH		1,		1	1	11	1	1	1	1	10	
8	811217114008		IV/MECH		1	1	1	1	1	1	1	1	1/	10	
9	811217114009		IV/MECH		1	11	1	1	1	1	1		1	10	-
10	811217114010		IV/MECH		1	1	1	1	1	1	1	1	1/2	10	
11	811217114013		IV/MECH		, ;	2 1	1	1	1 1	1	1/	-	1	1 9	-
12	811217114014	A.Jawagar	IV/MECH		1/	1	1 1	1 1	10	L	41				-
13	811217114015	Karthick S	IV/MECH	I	1 1	1/	/	. 1	1 1	-	11		4	, 10	
14		1 1 1 1	IV/MECH		1	1	1	1	11	1.1		/	1 /	/ (0	
15	811217114018	3 M.Mohammed Faizal							1 1	1	x e	2 .	1.	B	
16	811217114019) S.Mohanraj	IV/MECI	I /		1	1	4	1			1		1 10	
			IV/MEC	H	1.	1	1.		1. 1		11				
17	81121711402		1												



DATE: SIGNATURE DATE: DATE: NO OF DATE: DATE: 10.12.20 11.12.20 09.12.20 OF THE SESSIONS 08.12.20 07.12.20 Year/ STUDENT ATTENDED Student's Name Branch AN AN FN Reg.No AN FN FN S.No. AN FN AN FN 10 1 1 2 **IV/MECH** 10 1 1 811217114021 P.Murugan 1 18 **IV/MECH** 10 P.Ponnar 811217114022 19 **IV/MECH** 10 M.Prakash 1 811217114023 20 **IV/MECH** 1 9 M.Raiamuni 1 811217114025 1 a 21 **IV/MECH** 9 La.Ramanathan a 1 811217114026 22 **IV/MECH G.Sairam** 10 811217114027 1 1 0 23 **IV/MECH** R.Sankaralingam 10 811217114028 1 24 **IV/MECH** 01 M.Selvakumar 811217114030 25 **IV/MECH** A.Shameer 10 / 811217114031 Online Mode 26 **IV/MECH** 10 D.Sivakumar 811217114032 27 **IV/MECH** 8 A.Sriram 811217114033 a a 28 IV/MECH S.Thirumurugan 10 811217114034 1 29 **IV/MECH** 1 A.Vengatesh D 0 811217114035 1 30 1 1 **IV/MECH** 1 M.Venkatesh 10 811217114036 1 ∮ 31 **IV/MECH** 1 a P.Vinavagamoorthy 811217114037 a 32 **IV/MECH B.Vinothraja** 10 811217114038 1 33 **IV/MECH** 10 D.Yugesh 1 811217114039 1 34 IV/MECH 10 K.Arun 811217114301 35 **IV/MECH** K.Santhosh Kumar 1 10 811217114302 36 **IV/MECH** R.Thirumoorthi 811217114303 37

Cordinator

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

ndra Ganesan College of Engineerin IG Valley, Madurai Main Road-Manikandam, Trichy-620 012.



Name of the Student :

Year/Sem:

AU Register Number:

Value Added Course

"Master CAM"

MCO QUESTIONS (25X4 = 100 Marks)

- 1. Batch model production lines are most suited to which one of the following production situations:
 - a. Job shop c. Medium production

b. Mass production d. All of the above

2. Flexible manufacturing systems and cells are generally applied in which one of the following areas:

a High-variety, low-volume production b. low variety

- c. low volume
- 3. When the flow of materials is variable a. layout by process is most suitable

b layout by product is most suitable

d. line balancing is most suitable

d. mass production

d. Flow shop

c. layout by fixed position is most suitable

- 4. What type of process would a paper mill be most likely to use?a. Continuous flowb. Project
 - c. Job shop
- 5. What are the two basic types of production systems?a. Automated and manualb. Interpretation
 - b. Intermittent and non intermittent process
 - c. Normal and continuous process
- d. Continuous process and batch



6. All of the following are current trends in manufacturing, except: a. global competition b. worker involvement c. total quality management d. linear work flow 7. Productivity increases when a. inputs increase while outputs remain the b. inputs decrease while outputs remain same the same c. outputs decrease while inputs remain the d. inputs and outputs increase same proportionately 8. Quality in design and production includes: a. service after sale b. performance c. customer expectations d. all of the above 9. CIM stands for a. Computer integrated machine. b. Central integrated machine c. Computer integrated manufacturing d. Central integrated manufacturing 10. Which item best describes a CAM technology? a. Numerical control b. Documentation c. Drafting d. Geometric modelling 11. Automation leads to a. Increase in productivity. b. Shorter lead time c. Unemployment. d. All of the above 12. Break even analysis consist of a. Fixed cost b. Variable cost c. Fixed and variable cost d. None of the above 13. MLT stands for [•]Dr. G. Balakrishnan, M.E., Ph.D., a. Manufacturing lead time b. Mean lead time Principal Indra Ganesan College of Engineering d. None of the above IG Valley, Madurai Main Road c. Minimum lead time

Manikandam, Trichy-620 012.



- 14. . NC contouring is an example ofa. Continuous path positioningc. Absolute positioning
- 15. The axes of turning machine arc: a. Z and X-axes
 - c. Z and Y-axes
- 16. The heart of a computer is: a. CPU
 - c. Monitor
- 17. MCU stands for a. Machine control unit.
 - c. Mechanical control unit

b. Point-to-point positioning d. Incremental positioning

b. X and Y-axes

d. X, Y and Z-axes

b. ALU

d. Keyboard

b. Machine center unit

d. All the above

d. none of the above

d. Mechanical center unit

- 18. The lost motion in CNC machine tool is on account ofa. Backlash in gearingb. Wind-up of drive shafts
 - c. Deflection of machine tool members
- 19. On turning lathes the machine zero point is generally at the:a. Head stock of lathe spindle nose faceb. Dead center of tail stock
 - c. Tool point mounted on tool post
- 20. CAE and CAM are linked through:
 - a. A common database and communication system

c. Assembly automation and tool production

- 21. Process layout is employed for a. Batch production
 - c. Effective utilization of machines

b. NC tape programming and automated design

d. Parts production and testing

b. Continuous production



22. for a product layout the material handling equipment a. Have full flexibility b. Employ

c. Be a general purpose type

- 23. Product layout is employed for a. Batch production
 - c. Effective utilization of machines
- 24. CAM refers to a. Computer aided machine
 - c. Central aided manufacturing

b. Employ conveyor belts trucks etc.

d. Be designed as special purpose for a particular application.

b. Continuous production

d. All of the above

b. Computer aided manufacturing

- d. Central aided machine
- 25. Part-programming mistakes can be avoided in a. NC (Numerical Control) machine tool b
 - c. Both a. and b.

- b. CNC (Computer Numerical Control) machine tool
- d. None of the above

Coordinator



Value Added Course

"Master CAM"

ANSWER KEY

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

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

Coordinator



Name of the Student : C. Dharandharan

AU Register Number:

81121714009 Value Added Course

"Master CAM"

MCQ QUESTIONS (25X4 = 100 Marks)

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Year/Sem: W-meeh

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b layout by product is most suitable

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 - c. Unemployment.
- 12. Break even analysis consist of a. Fixed cost

c. Fixed and variable cost

- 13. MLT stands for (a. Manufacturing lead time
 - c. Minimum lead time

b. inputs decrease while outputs remain the same

d. inputs and outputs increase proportionately

- b. performance
- d. all of the above

d. linear work flow

- b. Central integrated machine
- d. Central integrated manufacturing
- b. Documentation
- d. Geometric modelling
- b. Shorter lead time

d. All of the above

- b. Variable cost
- d. None of the above

b. Mean lead time Dr. G. Balakrishnan, M.E., Ph.D., Principal Indra Ganesan College of Engineering d. None of the above IG Valley, Madurai Main Road Manikandam, Trichy-620 012.



- 14. NC contouring is an example ofa. Continuous path positioningc. Absolute positioning
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 - c. Z and Y-axes.
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- d. X, Y and Z-axes
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- d. Keyboard

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Be designed as special purpose for a particular application.

B. Continuous production

d. All of the above

B. Computer aided manufacturing

- c. Central aided manufacturing
- 25. Part-programming mistakes can be avoided in a. NC (Numerical Control) machine tool

c. Both a. and b.

d. Central aided machine

b. CNC (Computer Numerical Control) machine tool

d. None of the above

Coordinator



Department of Mechanical Engineering

Academic Year 2020-2021 – Odd Semester

VALUE ADDED COURSE ASSESSMENT SHEET

"Master CAM"

	Student's Name	Year/ Branch	Attendar	ce Details	VAC-M	OVERALL MARK(100)	
Reg.No			No. of Hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	(50% of A + 50% of B)
811217114001	S.Abdul Yasin	IV/MECH	30	100	20	80	90
811217114002	R.Ajithkumar	IV/MECH	30	100	18	72	86
811217114003	S.Anandha Kumar	IV/MECH	27	90	20	80	85
 A Physical Strend Strend	M.Ananth	IV/MECH	30	100	20	80	90
811217114005	R.Chellaiah	IV/MECH	24	80	20	80	80
811217114006	C.Devarajan	IV/MECH	30	100	22	88	94
a we share a star a star a st		IV/MECH	30	100	20	80	90
		IV/MECH	30	100	22	88	94
	and a manager of	IV/MECH	30	100	20	80	90
811217114010	N.Dharman	IV/MECH	30	100	19	76	88
811217114013	M.Hariharasudhan	IV/MECH	30	100	19	76	88
811217114014	A.Jawagar	IV/MECH	30	100	20	80	90
811217114015	Karthick S	IV/MECH	27	90	19	76	83
811217114016	D.Madhan	IV/MECH	30	100	19	, 76	88
	811217114001 811217114002 811217114003 811217114004 811217114004 811217114005 811217114006 811217114007 811217114009 811217114019 811217114013 811217114014 811217114015	811217114001 S.Abdul Yasin 811217114002 R.Ajithkumar 811217114003 S.Anandha Kumar 811217114004 M.Ananth 811217114005 R.Chellaiah 811217114006 C.Devarajan 811217114007 S.Dhamotharan 811217114008 A.Dhanussh 811217114009 C.Dharanidharan 811217114010 N.Dharman 811217114013 M.Hariharasudhan 811217114014 A.Jawagar 811217114015 Karthick S	Reg.NoStudent's NameBranch811217114001S.Abdul YasinIV/MECH811217114002R.AjithkumarIV/MECH811217114003S.Anandha KumarIV/MECH811217114004M.AnanthIV/MECH811217114005R.ChellaiahIV/MECH811217114006C.DevarajanIV/MECH811217114007S.DhamotharanIV/MECH811217114008A.DhanusshIV/MECH811217114009C.DharanidharanIV/MECH811217114010N.DharmanIV/MECH811217114013M.HariharasudhanIV/MECH811217114014A.JawagarIV/MECH811217114015Karthick SIV/MECH	Reg.No Student's Name Year/ Branch No. of Hours Attended 811217114001 S.Abdul Yasin IV/MECH 30 811217114002 R.Ajithkumar IV/MECH 30 811217114003 S.Anandha Kumar IV/MECH 30 811217114004 M.Ananth IV/MECH 30 811217114005 R.Chellaiah IV/MECH 30 811217114006 C.Devarajan IV/MECH 30 811217114007 S.Dhamotharan IV/MECH 30 811217114007 S.Dhamotharan IV/MECH 30 811217114008 A.Dhanussh IV/MECH 30 811217114009 C.Dharanidharan IV/MECH 30 811217114010 N.Dharman IV/MECH 30 811217114013 M.Hariharasudhan IV/MECH 30 811217114015 Karthick S IV/MECH 30	Reg.No Student's Name Branch No. of Hours Attendance Mark(100) 811217114001 S.Abdul Yasin IV/MECH 30 100 811217114002 R.Ajithkumar IV/MECH 30 100 811217114003 S.Anandha Kumar IV/MECH 30 100 811217114004 M.Ananth IV/MECH 27 90 811217114005 R.Chellaiah IV/MECH 30 100 811217114005 R.Chellaiah IV/MECH 30 100 811217114006 C.Devarajan IV/MECH 30 100 811217114007 S.Dhamotharan IV/MECH 30 100 811217114007 S.Dhamotharan IV/MECH 30 100 811217114009 C.Dharanidharan IV/MECH 30 100 811217114010 N.Dharman IV/MECH 30 100 811217114013 M.Hariharasudhan IV/MECH 30 100 811217114015 Karthick S IV/MECH 30 100	Reg.No Student's Name Year/ Branch No. of Hours Attendance Mark(100) No of Correct 811217114001 S.Abdul Yasin IV/MECH 30 100 20 811217114002 R.Ajithkumar IV/MECH 30 100 18 811217114003 S.Anandha Kumar IV/MECH 30 100 18 811217114004 M.Ananth IV/MECH 30 100 20 811217114005 R.Chellaiah IV/MECH 30 100 20 811217114005 R.Chellaiah IV/MECH 30 100 20 811217114006 C.Devarajan IV/MECH 30 100 22 811217114007 S.Dhamotharan IV/MECH 30 100 20 811217114007 S.Dhamotharan IV/MECH 30 100 22 811217114008 A.Dhanussh IV/MECH 30 100 20 811217114010 N.Dharman IV/MECH 30 100 19 8112171140	Reg.No Student's Name Year/ Branch No. of Hours Attended Attendance Mark(100) (A) No of Correct Answers MCQ Mark(100) (A) 811217114001 S.Abdul Yasin IV/MECH 30 100 20 80 811217114002 R.Ajithkumar IV/MECH 30 100 18 72 811217114003 S.Anandha Kumar IV/MECH 30 100 20 80 811217114004 M.Ananth IV/MECH 30 100 20 80 811217114005 R.Chellaiah IV/MECH 30 100 20 80 811217114006 C.Devarajan IV/MECH 30 100 22 88 811217114006 C.Devarajan IV/MECH 30 100 20 80 811217114007 S.Dhamotharan IV/MECH 30 100 22 88 811217114008 A.Dhanussh IV/MECH 30 100 20 80 811217114010 N.Dharman IV/MECH 30



COLLEGE OF ENGINEERING Madural Main Road (NH-45B), Manikandam, Tiruchirapalli- 620 012 Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai AND DESCRIPTION

THE R P. LEWIS CO., LANSING MICH.

0.57			Year/	Attendar	ce Details	VAC-M	CQ TEST	OVERALL MARK(100)
S.No.	S.No. Reg.No S	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)
15.	811217114018	M.Mohammed Faizal	IV/MECH	30	100	22	88	94
16	811217114019	S.Mohanraj	IV/MECH	24	80	18	72	76
17	811217114020	R.Munishwaran	IV/MECH	30	100	19	76	88
18	811217114021	P.Murugan	IV/MECH	30	100	18	72	86
19	811217114022	P.Ponnar	IV/MECH	30	100	22	88	94
20	811217114023	M.Prakash	IV/MECH	30	100	22	88	94
21	811217114025	M.Rajamuni	IV/MECH	30	100	20	80	90
22	811217114026	La.Ramanathan	IV/MECH	27	90	18	72	81
23	811217114027	G.Sairam	IV/MECH	27	90	19	76	83
24	811217114028	R.Sankaralingam	IV/MECH	30	100	20	80	90
25	811217114030	M.Selvakumar	IV/MECH	30	100	20	80	90
26	811217114031	A.Shameer	IV/MECH	30	100	22	88	94
27	811217114032	D.Sivakumar	IV/MECH	30	100	20	80	90
28	811217114033	A.Sriram	IV/MECH	30	100	22	88	94
29	811217114034	S.Thirumurugan	IV/MECH	24	80	20	80	80
30	811217114035		IV/MECH	30	100	19	76	88
31	811217114036	M.Venkatesh	IV/MECH	30	100	20	80	90
32	811217114037	P.Vinayagamoorthy	IV/MECH	30	100	20	80	90
33	811217114038		IV/MECH	. 27	90	20	80	85
34	811217114039	D.Yugesh	IV/MECH	30	100	20	80	90
35	811217114301		IV/MECH	24	80	22	88	84
36	811217114302		IV/MECH	30	100	20	80	90
37	811217114303	R.Thirumoorthi	IV/MECH	30	100	18	72	86

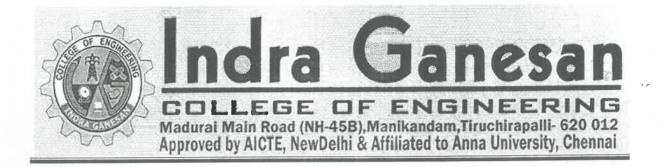
VAC Coordinator

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Title:	Master CAM							
	Mr. Jayakumar,	Mr. B	alaji,					
Resource Person:	Trainer,							
	CADD centre,							
	Trichy							
Date of conduct from :	07.12.2020	To:	11.12.2020	Duration:	30 H	ours		
Organized Department :	MECHANICAL ENGINEERING							
Participant Year:	4		No. of St	tudents Registe	ered :	37		
Venue:	Online mode - htt	ps://m	eet.google.com/z	zcm-djnn-mdt				
Outcome of Value Ad	ded Course (VAC): At t	the end of the C	Course, Stud	ents ca	n able to		
• Know to explain	the MASTERCAM	2D drav						
	ate 2D & 3D tool par							
Students are expension of the students are expension of the students are expension. Students are expension of the students are expension of the students are expension. The students are expension of the students are expension of the students are expension. The students are expension of the students ar	cted to learn the spec	cial ope	erations like hole	milling, slot n	nilling a	and helical		
	ssembling with Extru					n, Ruled		
They receive requ	ired training on Ani	mating	Assemblies, Sur	face modeling	tools.			
			t Process			ν.		

- 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

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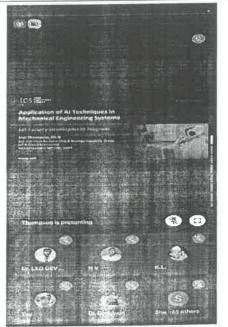


Madurai Main Road (NH-45B), Manikandam, Tiruchirapalli- 620 012 Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai

Sa	mple Photo o	f Va	alue	Added	l Course				
Title:	Master CAM								
	1. Mr. Jayakuma	ar 2, N	Ir. Bal	laji					
Resource Person:	Trainer	Trainer							
	CADD centre								
	Trichy						ste		
Date of conduct from :	07.12.2020	To:	11.12	.2020	Duration:	30 H	lours		
Organized Department :	MECHANICAI	ENC	INEE	RING					
Participant Year:	4 No. of Students Registered : 37								
Venue:	Online mode - htt	tps://m	eet.goo	ogle.com/	zcm-djnn-mdt				

Sample Photo

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	People	Information	
e.	Prasanth R	14	-
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	Rabinsing Xavier	S.	:
0	Tamilselvan T	R.	*
64	Vikram	Sec.	ž.
62	Sathish Selva	14	Ξ
12.	yoga	S.	:
	Praveen A	*	ĩ
	Vasanth Vasanth	S.	*
•	VIGNESHWARAN C	4	ž
-6-	Subeekshiseeth Prasar	na.D 🔆	4.44
	Vishnu B	2	ī
	RAMESH MOHAN	1	***



VAC Coordinator

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Principal

Dr. G. Balakrishnan, Miller et al Principal Indra Ganesan College of Engineerie IG Valley, Madurai Main Road Manikandam, Trichy-620

CADD' CENTRE

CADD CENTRE

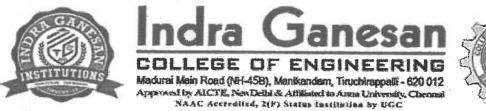
Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,

CERTIFICATE OF PARTICIPATION

This is to certify that Mr.S.Mohan Raj of IV Year MECH has successfully completed the value added course on Master CAM organized by Department of Mechanical Engineering and IQAC of our institution in association with CADD centre from 07 December 2020 to 11 December 2020 (5 days) during the Academic year 2020-2021.

Dr. G. Balakrishnan, M.E., Ph.D., Principal Indra Ganesan College of Engineering IG Yalley, Madurai Main Road Manikandam. Trichy-520 012. asy

Mr. P.Jayakumar CADD Centre





Department of Mechanical Engineering

Academic Year 2020-2021 – Even Semester

Date: 02.06.2021

DEPARTMENT CIRCULAR

Department of Mechanical Engineering and IQAC of IGCE in Association with CADD centre, Trichy is going to organize Value added course for all III, IV Year students on "Application of NX CAD" From 07.06.2021 to 11.06.2021, certificates will be issued to be eligible participants at the end of the course.

	1.Mr.Balaji
	Trainer
	CADD Centre
Resource Person Details	Trichy
	2.Mr.Sundaramoorthi
W2	Trainer
4	CADD Centre
	Trichy
Venue	GOOGLE MEET
	Online mode – meet.google.com/hiw-apof-uic

Cc:

- Principal office
- IQAC Co-Ordinator
- Mechanical Faculties Staff Room
- III & IV-Year MECH Students class room
- Office File
- Notice Board.

INCIPAL







Value Added Course

"Application of NX CAD"

SYLLABUS

S.NO	TOPIC COVERED	DURATION (in hours)	DATE
1	Introduction of NX-CAD	3	07.06.2021
2	Basic of NX –CAD and its application.	3	07.06.2021
3	Creating fundamentals curves	3	08.06.2021
4	Creating dimensions, notes and labels	3	08.06.2021
5	Creating and editing curves	3	09.06.2021
6	Editing free form features	3	09.06.2021
7	Plotting drawings	3	10.06.2021
8	Basic assembly concepts	3	10.06.2021
9	Creating assembly and positioning assembly	5	11.06.2021
12	Exam	1	11.06.2021
	Total Hours	30	

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HoD/MECHANICAL





Value Added course

"Application of NX-CAD"

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

STUDENTS PARTICIPATION LIST

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



CO



S.No.	Reg.No	Student's Name	Year/ Branch
26	811217114031	A.Shameer	IV/MECH
27	811217114032	D.Sivakumar	IV/MECH
28	811217114033	A.Sriram	IV/MECH
29	811217114034	S.Thirumurugan	IV/MECH
30	811217114035	A.Vengatesh	IV/MECH
31	811217114036	M.Venkatesh	IV/MECH
32	811217114037	P.Vinayagamoorthy	IV/MECH
33	811217114038	B.Vinothraja	IV/MECH
34	811217114039	D.Yugesh	IV/MECH
35	811217114301	K.Arun	IV/MECH
36	811217114302	K.Santhosh Kumar	IV/MECH
37	811217114303	R.Thirumoorthi	IV/MECH
38	811219114001	Aathilingam V	III/ MECH
39	811219114002	Abimanyu C	III/ MECH
40	811219114003	Ajay S	III/ MECH
41	811219114004	Christy Lourthu Samy A	III/ MECH
42	811219114006	Periyasamy P	III/ MECH
43	811219114008	Saravana Kumar V	III/ MECH
44	811219114010	Siriyac Selva A	III/ MECH
45	811219114011	Suriyaganesh M	III/ MECH
46	811219114012	Vaithiyalingam M	III/ MECH

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GI. DeePouland VAC Coordinator

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

HoD/MECHANICAL



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		REPORT ON V	VALU	JE ADDI	ED CO	URSE		
Title:	"Applic	ation of NX-CAL)"					
Resource :	Person1:	Mr.Balaji Trainer CADD centre Trichy			Trair	D centre	orthi	
	Department :	07.06.2021	To:	11.06.20	21	Duration:	30 I	Hours
Participant		Mechanical Eng	ineeri	ng				
(Year: 3,4 GOOGLE M	10 Par		No	o. of Stu	dents Registe	ered :	46
venue:		IEET – meet.google.com/h						1
		to draw the modeling			Brup			
		Assess	ment					
		uring more than 7(receive the certificate endance in VAC out c	• 101 111	total sco e VAC con	irse con	ducted		
	e = (0.5 *Atte))) performer pordinator		of 100 p	total sco le VAC con percentage	irse con	ducted	VAC	







Participant Year: 3,4 No. of Students Registered 46 GOOGLE MEET Online mode – meet.google.com/hiw-apof-uic SAMPLE PHOTO SAMPLE PHOTO	Title:	"Арр	licati	on of NX-CA	D"						
Resource Persons: Trainer CADD centre Trichy Trainer CADD centre Trichy Date of conduct from : 07.06.2021 To: 11.06.2021 Duration 30 Hours Organized Department : Mechanical Engineering Participant Year: 3,4 No. of Students Registered 46 Venue: GOOGLE MEET Online mode – meet.google.com/hiw-apof-uic 46 SAMPLE PHOTO SAMPLE PHOTO 5000000000000000000000000000000000000			Mr	.Balaji			I	Mr.Sund	lara Moo	orthi	
Trichy Trichy Date of conduct from : 07.06.2021 To: 11.06.2021 Duration 30 Hours Organized Department : Mechanical Engineering Participant Year: 3,4 No. of Students Registered 46 GOOGLE MEET Online mode – meet.google.com/hiw-apof-uic 46 SAMPLE PHOTO SAMPLE PHOTO 5.84laktrisphan, M.F. Image: Same for the sa	Resource Persons: Trainer Trainer										
Date of conduct from : 07.06.2021 To: 11.06.2021 Duration 30 Hours Organized Department : Mechanical Engineering Participant Year: 3,4 No. of Students Registered 46 Venue: GOOGLE MEET Online mode – meet.google.com/hiw-apof-uic 46 SAMPLE PHOTO SAMPLE PHOTO	CADD centre CADD centre										
Date of conduct from : 07.06.2021 To: 11.06.2021 Duration 30 Hours Organized Department : Mechanical Engineering Participant Year: 3,4 No. of Students Registered 46 GOOGLE MEET Online mode – meet.google.com/hiw-apof-uic SAMPLE PHOTO SAMPLE PHOTO Sample for the second for th				chy			r	richy			
Participant Year: 3,4 No. of Students Registered 46 Venue: GOOGLE MEET Online mode – meet.google.com/hiw-apof-uic SAMPLE PHOTO SAMPLE PHOTO	Date of	conduct from	m :	07.06.2021	To:	11.06			uration	30 H	ours
Source And Statuents Registered 46 Wenue: COOGLE MEET Online mode – meet.google.com/hiw-apof-uic SAMPLE PHOTO Sample Photo S. Balakrishnan, M.F. Principal Ganesan College of En Valley, Madurai Main anikandam, Trichy-620 Image of En Valley, Madurai Main anikandam, Trichy-620	Organiz	ed Departm	ent:	Mechanical	Engin	eering	2			1	
Venue: COOGLE MEET Online mode – meet.google.com/hiw-apof-uic SAMPLE PHOTO	Particip	ant Year:	3,4				No. c	of Studen	its Regist	tered	46
Daline mode – meet.google.com/hiw-apof-uic SAMPLE PHOTO		GOOGLE	MEF	2 T							
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A Balakrishnan, Mr Principal Ganesan College of En Valley, Madurai Main anikandam, Trichy-200											
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Name of the Student:

Year/Sem:

AU Register Number:

Value Added Course

"Application of NX CAD"

MCQ QUESTIONS (25X4 = 100 Marks)

- 1. CAD is a
- a. Software tool
- b. Hardware tool
- c. Both software and hardware tools
- d. None
- 2. CAD prepares 2D and 3 D drawings which are
- a. Non digital
- b. Digital
- c. Both digital and non digital
- d. None
- 3. CAD is
- a. Computer aided drafting
- b. Computer aided design
- c. Both drafting and design
- d. None
- 4. CAD prepares models with computer which are
- a. Dynamic patterns
- b. Static patterns
- c. Geometric patterns
- d. None
- 5. Types of CAD software in existence
- a. 6
- b. 9
- c. 3
- d. None







- 6. CADD stands for
- a. Firstly Computer aided drawing and design
- b. Secondly Computer aided design and drawing
- c. Computer aided design and drafting d. None
- a. None
- 7. EDA stands for
- a. Electric design automation
- b. Electronic design automation
- c. Both (a) & (b)
- d. None
- 8. CAD technology is used in the design of
- a. Tools and machines
- b. All types of buildings
- c. Both (a) & (b)
- d. None
- 9. DPD stands for
- a. Design product development
- b. Digital product development
- c. Both (a) & (b)
- d. None
- 10. PLM related to CAD stands for
- a. Product life management
- b. Product lifecycle management
- c. Both (a) & (b)
- d. None

Dr. G. Bala

- 11. CAE related to Cad stands for
- a. Firstly Computer aided electronics
- b. Secondly Computer aided engineering
- c. Computer aided electrical
- d. None







- 12. FEM related CAD stands for
- a. Final analysis mechanics
- b. Finite element analysis
- c. Full analysis machines
- d. None
- 13. FEM related to CAD stands for
- a. Final element manufacturing
- b. Finite element Machine
- c. Finite element method
- d. None
- 14. PDM in CAD stands for
- a. Product development management
- b. Product data management
- c. Both (a) & (b)
- d. None
- 15. How many types of solids modeling?
- a. 6
- b. 2
- **c.** 4
- d. None
- 16. Most of the CAD require a
- a. One special hardware
- b. No special hardware
- c. Two special hardware
- d. None

- Dr. G. Balakrishnan, M.E., Ph.D. Principal Indra Ganesan College of Engineerin IG Valley, Madurai Main Road Manikandam, Trichy-620 012
- 17. CAGD in CAD stands for
- a. Firstly Computer aided geo design
- b. Secondly Computer aided geological design
- c. Computer aided geometric design
- d. None





- 18. Computer Aided Manufacturing (CAM) is
- a. The use of software to automate a manufacturing process

COLLEGE OF ENGINE

- b. The use computer aided machinery to automate a manufacturing process
- c. Both (a) & (b)
- d. None
- 19. Identify the fact
- a. CAM can work without CAD
- b. CAD can work without CAM
- c. Both (a) & (b)
- d. None
- 20. CAM is computer aided manufacturing which is
- a. Manual
- b. Semi-automatic
- c. Fully automatic
- d. None
- 21. CAM is a
- a. Fast process
- b. Slow process
- c. Mixture of slow and fast process
- d. None
- 22. Components manufactured by CAM needs
- a. Further machining to achieve the final product
- b. No further machining required
- c. Very light machining is required
- d. None

- Dr. G. Balakrishnan, M.E., Ph.D., Principal Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.
- 23. A CNC machine translates
- a. CAD into CAM
- b. CAM into CAD
- c. Both (a) & (b)
- d. None







- 24. Computer Aided Manufacturing is
- a. Firstly Computer aided modeling
- b. Secondly Computer aided machining
- c. Both (a) & (b)
- d. None
- 25. Energy requirements with CAM is
- a. > than conventional machining
- b. < than conventional machining
- c. = conventional machining
- d. None

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VAC Coordinator

HoD/Mech







Year/Sem: M -mpo

Name of the Student: C. Devanagan AU Register Number: 811217114006

Value Added Course

"Application of NX CAD"

MCQ QUESTIONS (25X4 = 100 Marks)

- 1. CAD is a
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- (b) Hardware tool
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- **by** Digital
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- b. Computer aided design
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- b. Static patterns
- C. Geometric patterns
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- b.) 9
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Dr. G. Balak un, M.E., Ph.D., Principal Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.







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- **b** Product lifecycle management
- c. Both (a) & (b)
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Dr. G. Balakrishnan, M.E., Ph.D., Principal

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

- 11. CAE related to Cad stands for
- a. Firstly Computer aided electronics
- (b.) Secondly Computer aided engineering
- c. Computer aided electrical
- d. None







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- a. Final analysis mechanics
- 6 Finite element analysis
- c. Full analysis machines
- d. None
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- b. Finite element Machine
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- d. None
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- 1. Product data management
- c. Both (a) & (b)
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- 15. How many types of solids modeling?
- a. 6
- c. 4
- d. None
- 16. Most of the CAD require a
 a. One special hardware
 b. No special hardware
 c. Two special hardware
 d. None

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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- a. Firstly Computer aided geo design
- b. Secondly Computer aided geological design
- Computer aided geometric design
- d. None





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- 18. Computer Aided Manufacturing (CAM) is
- a. The use of software to automate a manufacturing process
- b. The use computer aided machinery to automate a manufacturing process

COLLEGE OF ENGINE

- (e.) Both (a) & (b)
- d. None
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- d. None
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- **W** Fully automatic
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- 21. CAM is a
- a.) Fast process
- b. Slow process
- c. Mixture of slow and fast process
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- a. Further machining to achieve the final product
- (b) No further machining required
- c. Very light machining is required
- d. None

- 23. A CNC machine translates A CAD into CAM b. CAM into CAD c. Both (a) & (b)
- d. None







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- a. Firstly Computer aided modeling
- b. Secondly Computer aided machining
- **C**/Both (a) & (b)
- d. None
- 25. Energy requirements with CAM is
- a. > than conventional machining
- b/ < than conventional machining
- c. = conventional machining
- d. None

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VAC Coordinator

HoD/Mech







Value Added Course

"Application of NX CAD"

ANSWER KEY

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

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

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

G. Dezparlan. VAC Coordinator



ndra Ganesan

COLLEGE OF ENGINEERING Madurai Main Road (NH-458), Manikandam, Tinuchirappalli - 620 012 Approved by ALCITE, NewDelti & Affiliated to Annu University, Chemnal NAAC According, 2(F) Status Institution by UGC

Department of Mechanical Engineering

Academic Year 2020-2021 – EVEN Semester

STUDENTS ATTENDANCE LIST

VALUE ADDED COURSE

"Application of NX CAD"



S.No.	Reg.No	Student's Name	Year/		TE: 6.21	DA' 08.0	TE: 6.21		TE: 6.21		TE: 6.21	DA' 11.0	TE: 6.21	DA' 12.0		NO OF SESSIONS	SIGNATURE OF THE
0.140.	Kcg.110		Branch	FN	AN	FN	AN	FN	AN	FN	AN	FN	ÂN	FN	AN	ATTENDED	STUDENT
1	811217114001	S.Abdul Yasin	IV/MECH	1	1	1	1	1	1	1	1	1	1	1	1	10	
2	811217114002	R.Ajithkumar	IV/MECH	1	1	1	a	1	1	1	1	1	/	1	1	9	-
3	811217114003	S.Anandha Kumar	IV/MECH	1	1	1	1	1	1	1	1	1	1	1	1	10	
4	811217114004	M.Ananth	IV/MECH	1	1	1	1	a	1	1	1	1	1	1	1.	9	
5	811217114005	R.Chellaiah	IV/MECH	1	1	1	1	1	1	1	1	1	1	1	1	10	
6	811217114006	C.Devarajan	IV/MECH	1	/	a	1	1	1	1	/	1	1	P	p	9	Online Mode
- 7	811217114007	S.Dhamotharan	IV/MECH	1	/	1	1	1	1	1	1	1	1	1	1	10	
8	811217114008	A.Dhanussh	IV/MECH	1	a	1	1	1	1	1	1	11	1	1	1	9	
9	811217114009	C.Dharanidharan	IV/MECH	. (1	1	1	1	1	1	1	1	1	1	1	10	
10	811217114010	N.Dharman	IV/MECH	1	1	a	a	1	1	1	1	1	1	1	1	8	
11	811217114013	M.Hariharasudhan	IV/MECH	1	1	1	1.	1	1	1	1	1	1	1	1	10	i
12	811217114014	A.Jawagar	IV/MECH	1	1	1	a	1	1	1	1	1	1	0	1	9	
13	811217114015	Karthick S	IV/MECH	1	1	1	1	1	1	1	1	1	1.	1	1	10	
14	811217114016	D.Madhan	IV/MECH	1	1	/	1	1	1	0	1	11	1	11	1	10	



Ind ra Ganesa

COLLEGE OF ENGINEERING Medurai Main Road (NH-458), Manikandem, Tinschirappelli - 620 012 Approved to AICTE, NewDolta & Affiliated to Acous University, Cheunal NAAC Accordited, 21Fr Status Teastluction by USC



S.No.	Reg.No	Student's Name	Year/	DA 07.0	TE: 6.21	DA' 08.0		1	TE:)6.21	DA' 10.0		DA 11.0			TE: 6.21	NO OF SESSIONS	SIGNATURE OF THE
			Branch	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN.	FN	AN	ATTENDED	STUDENT
15	811217114018	M.Mohammed Faizal	IV/MECH	1	1	1	1	1	1	1	1	0	1	1	1	10	
16	811217114019	S.Mohanraj	IV/MECH	1	1	1	a	1	1	1	1	1	1	/	1	G	-
17	811217114020	R.Munishwaran	IV/MECH	1	1	1	1	1	a	1	1	1	1	1	1	01	
18	811217114021	P.Murugan	IV/MECH	1	1	1	1	1	1	-	1		1		1		
19	811217114022	P.Ponnar	IV/MECH	1	a	1	1	1	1	1	1	- /	1		/	10	
20	811217114023	M.Prakash	IV/MECH	1	a	1	-	1	1	1	1	-	1		1	9	•
21	811217114025	M.Rajamuni	IV/MECH	1	1	1	1	1	1	1	a	1	1		1	9	
22	811217114026	La.Ramanathan	IV/MECH	1	1	1	1	1	1	1	1	1	1		1		
23	811217114027	G.Sairam	IV/MECH	1	1	1	1	a	1			1	1			10	-
24	811217114028	R.Sankaralingam	IV/MECH	a	1	1	5	n	1	-/		-	-		1		-
25	811217114030	M.Selvakumar	IV/MECH	1	1	1	1	- 1	1	1	a			1	-	9	Online Mode
26	811217114031	A.Shameer	IV/MECH	1	1	1	1	1	1	1	1		1		1	-1	
27	811217114032	D.Sivakumar	IV/MECH	1	1	1	1	r		-	1	1	1	/	1	10	
28	811217114033	A.Sriram	IV/MECH	1	1	a	1		-	-		1	/			10	
29	811217114034	S.Thirumurugan	IV/MECH	1	1	- a	1	-		-		- /	1				
30	811217114035	A.Vengatesh	IV/MECH	1	1	1	1	1	1	-	1				/	10	
31	811217114036	M.Venkatesh	IV/MECH	1	1		1	-	1	1	1		1	-/	1	01	
32	811217114037	P.Vinayagamoorthy	IV/MECH	1	a	-	-		1	1	1		1	<u> (' </u>		10	
33	811217114038	B.Vinothraja	IV/MECH	- 1	1	1	1	A		1	1	-	,		1	9	
34	811217114039	D.Yugesh (IV/MECH	1	1	-	1	- 1	-	- 1	/	1			1	10	
35	811217114301	K.Arun	IV/MECH	1	-	P	1		a		-		/.			10	
36	811217114302	K.Santhosh Kumar	IV/MECH	1	1	1	1		n 1	a			1			9	
37	811217114303	R.Thirumoorthir G. Balak		1	1	1	1	1	1	40		4	1	1	1	9	
38	811219114001		PIH/MECH	, PK.E		(-		/	0	-	1	-		1	10	

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







Madural Main Road (NH-45B), Manikandam, Tinschirappalli - 620 012 Approval by AICTE, NewDelid & Athlined to Anna University, Chennel NAAC Accredited, 21F1 Status Institution by UGC

		Student's Name	Year/	DA' 07.0		DA' 08.0		DA 09.0		DA' 10.0	ГЕ: 6.21	DA' 11.0		1	TE: 6.21	NO OF SESSIONS	SIGNATURE OF THE
S.No.	Reg.No	Student 3 Hume	Branch	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	ATTENDED	STUDENT
			III/MECH	1	1	.1	1	a	A	1	1	1	1	1	1	8	
3.9	811219114002			-/	1		1	1	1	1	1	1	1	1	1	NO	
40	811219114003	Ajay S	III/MECH	/	1	-		(-'	1	1		1	1	9	1
41	811219114004	1 1 1 1	III/MECH	/	1	/		1	a	1	1	- 1			1	,	
42	811219114006		III/MECH	1	1	1	1	1	1	1	1	1	/	/	1	10	Online Mode
			III/MECH	1	11	1	1	1	1	1	1	/	1	1	1	10	-
43	811219114008		III/MECH	1	1	1	1	1	1	11	1	1	1	1	1	(0	
44	811219114010	3 5 7	III/MECH	1	1	1	1	a	1	1	1		1	1	/	9	
45	811219114011	Suriyaganesh M		1	1	1	1	- un	-	· ,	1	1	1.	T'		10	
46	811219114012		III/MECH	1	1	11	1/	/		1							1

VAC Coordinatof







Dr.

Department of Mechanical Engineering

Academic Year 2020-2021 – EVEN Semester

VALUE ADDED COURSE ASSESEMENT SHEET

"Application of NX-CAD"

S.No.	Reg.No	Student's Name	Year/	Attenda	nce Details	VAC-M	CQ TEST	OVERALL
	Iteg.110	Student's Name	Branch	No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100)	MARK(100) (50% of A + 50% of B)
1	811217114001	S.Abdul Yasin	IV/MECH	30	100	20	(B) 80	00
2	811217114002	R.Ajithkumar	IV/MECH	27	90	18	72	90
3	811217114003	S.Anandha Kumar	IV/MECH	30	100	20		81
4	811217114004	M.Ananth	IV/MECH	27	90	20	80	90
5	811217114005	R.Chellaiah	IV/MECH	30	100		80	85
6	811217114006	C.Devarajan	IV/MECH	27	90	20	80	90
7	811217114007	S.Dhamotharan	IV/MECH	30	100	22	88	89
8	811217114008	A.Dhanussh	IV/MECH	27	90	20	80	90
9	811217114009	C.Dharanidharan	IV/MECH	30		22	88	89
10	811217114010	N.Dharman	IV/MECH	24	100	20	80	90
11	811217114013	M.Hariharasudhan	IV/MECH		80	19	76	78
12	811217114014	A.Jawagar	IV/MECH	30	100	19	76	88
13	811217114015	Karthick S		27	90	20	80	85
	UTICI/IITUIJ		IV/MECH	30	100	19	76	88



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Indra Ganesa

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S.No.	Reg.No	Student's Name	Year/		nce Details	VAC-M	CQ TEST	OVERALL
			Branch	No. of Session Attended	Attendance Mark(100) (A)	No of Correct	MCQ Mark(100)	MARK(100) (50% of A + 50% of B)
14	811217114016	D.Madhan	IV/MECH	30	100	Answers 19	(B)	
15	811217114018	M.Mohammed Faizal	IV/MECH	27	, 90	22	- 76	88
16	811217114019	S.Mohanraj	IV/MECH	30	100	18	88	89
17	811217114020	R.Munishwaran	IV/MECH	27	90	18	72	86
18	811217114021	P.Murugan	IV/MECH	30	100	19	76	83
19	811217114022	P.Ponnar	IV/MECH	27	90	22	72	86
20	811217114023	M.Prakash	IV/MECH	27	90	22 -	88	89
21	811217114025	M.Rajamuni	IV/MECH	27	90	22 - 20	88	89
22	811217114026	La.Ramanathan	IV/MECH	30	100		80	85
23	811217114027	G.Sairam	IV/MECH	27	90	18	72	86
24	811217114028	R.Sankaralingam	IV/MECH	27	90	19	76	83
25	811217114030	M.Selvakumar	IV/MECH	30	100	20	80	85
26	811217114031	A.Shameer	IV/MECH	27	90	20	80	90
27	811217114032	D.Sivakumar	IV/MECH	30	100	22	88	89
28	811217114033	A.Sriram	IV/MECH	27	90	20	80	90
29	811217114034	S.Thirumurugan	IV/MECH	30		22	88	89
30	811217114035	A.Vengatesh	IV/MECH	30	<u> 100 </u> 100	20	80	90
31	811217114036	M.Venkatesh	IV/MECH	30		19	76	88
32	811217114037	P.Vinayagamoorthy	IV/MECH	27	100	20	80	90
33	811217114038	B.Vinothraja	IV/MECH	30	90	20	80	85
34	811217114039	D.Yugesh	IV/MECH	30	100	20	80	90
35	811217114301	K.Arun	IV/MECH		100	20	80	90
36	811217114302	K.Santhosh Kumar, M.F. Ph	IV/MECH	27	90	22	88	89
		Principal	DYNILCH	27	90	20	80	85

Principal Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-520.012



Indra Ganesan

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S.No.		Student's Name	Year/ Branch	Attendance Details		VAC-MCQ TEST		OVERALL
				No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100)	MARK(100) (50% of A + 50% of B)
37	811217114303	R.Thirumoorthi	IV/MECH	30	100	18	(B) 72	86
38	811219114001	Aathilingam V	III/MECH	30	100	20	80	90
39	811219114002	J	III/MECH	24	80	22	88	84
40	811219114003		III/MECH	30	100	20		
41	811219114004	Christy Lourthu Samy A	III/MECH	27	90	20	<u>80</u> 88	<u> </u>
42	811219114006	Periyasamy P	III/MECH	30	100	20	80	90
43	811219114008	Saravana Kumar V	III/MECH	30	100			
44	811219114010		III/MECH			19	76	88
			III/MECH	30	100	20	80	90
45	811219114011	Suriyaganesh M	III/MECH	27	90	20	80	85
46	811219114012	Vaithiyalingam M	III/MECH	30	100	20	80	90

G. Deepartim VAC Coordinator

HoD/MECH



CERTIFICATE OF PARTICIPATION

This is certify that Mr. Name of the student, IV year, Mechanical has successfully completed the value added course on "Application of NX CAD "organized by Department of Mechanical engineering and IQAC of our institution in association with UNIQUE CAD from 07.06.2021 to 11.06.2021.

(5Days) during the academic Year 2020-2021

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PRINCIPAL IGCE

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