

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 2020-21 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:	Maste	er CA	М						
Resource Po	erson:	Traiı	D center	Jayaku	imar				
Date of con	duct from	m:	07.12.2020		To:	11.12.2020	Duration:	30 Hours	
Organized 1	Departm	ent:	MECHAN	ICAL	ENGI	NEERING			
Participant	Year:	Mec	h IV Year	Seme	ster:	ODD	 of Students istered:		37
Venue: h	nttp//mee	et.goo	gle.com/zcoi	n-djnn	-mdt				

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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

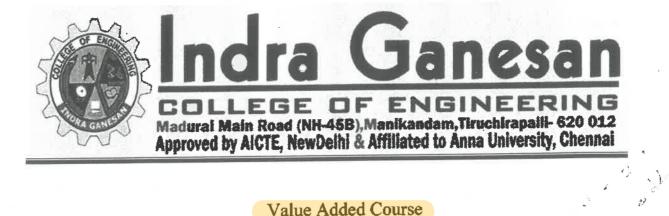
Resource Person Details	1. Mr. Balaji
	Trainer
	CADD centre
	Trichy
	2. Mr. Jaya kumar
	Trainer
	CADD centre
	Trichy
Venue	online mode
-	https://meet.google.com/zcm-djnn-mdt.

Cc:

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

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

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 operation's	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.

HOD/MECH



Value Added Course

"Master CAM"

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

HoD/MECH

VAC Coordinator



Indra Ganesan BOLLEGE OF ENGINEERING Madural Mein Road (NH-45B), Mentkandam, Truchirapalli-620 012 Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennal

Department of Mechanical Engineering

Academic Year 2020-2021 - Odd Semester

STUDENTS ATTENDANCE LIST

Dr. Gr. Balakristman, M.E., Ph.D. Principal Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-520 012

Value Added Course

"Master CAM"

			Year/	DA' 07.1		DA' 08.1			TE: 2.20	DA' 10.1	TE: 2.20	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	STODERT
				1		1	1	11	1	1	1	1	1	10	
1	811217114001	S.Abdul Yasin	IV/MECH		6	1	6	1	1	0	1	1	1	10	-
2	811217114002	R.Ajithkumar	IV/MECH	1	1	1	1	1	11	0		1	1	9	4
3	811217114003	S.Anandha Kumar	IV/MECH	1	1	6	1-		1	1	1	1	1	01	
4	811217114004	M.Ananth	IV/MECH	0	1	-	1	1	1	1	1	1	11	10	
5	811217114005	R.Chellaiah	IV/MECH		a	1	1	1	1	1	11	1	1	B	
6	811217114006	C.Devarajan	IV/MECH	1		1	1	+		11	1	/	11	10	to it Mada
7	811217114007	S.Dhamotharan	IV/MECH		14	+ -	+				1	1	1	10	Online Mode
8	811217114008	A.Dhanussh	IV/MECH		1	- 1	+		1	1	11	1	1	10	
9	811217114009	C.Dharanidharan	IV/MECH		1	1	1	. 1	1	1	- 1		, ,	10	
	811217114010	N.Dharman	IV/MECH			1	1		1	1			1)	10	
10	811217114013	1 13	IV/MECH		11	1		11			1	1	1	/ 10	-
11	811217111010		IV/MECH		1	11	1		10		11		1	. 9	
12	811217114015		IV/MECH		1 1			0				,	1	10	
13	100000000000000000000000000000000000000		IV/MECH	1 .7	//	1	1	1			1	1			
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15	811217114018				1		1	1	1 1	0	26	2	11	B	
16	811217114019) S.Mohanraj	IV/MEC	H /		4	-	<u></u>	1	1		12 2	11.	1 10	
17			IV/MEC	H	1	/			. /						· · · · ·



DATE: SIGNATURE DATE: DATE: NO OF DATE: DATE: 11.12.20 10.12.20 09.12.20 OF THE 08,12.20 SESSIONS 07.12.20 Year/ STUDENT ATTENDED Student's Name AN Branch AN FN Reg.No AN FN FN S.No. AN FN AN FN 10 1 1 2 **IV/MECH** Ť 10 1 811217114021 P.Murugan 1 18 **IV/MECH** 10 P.Ponnar 811217114022 19 **TV/MECH** 10 M.Prakash 1 811217114023 20 **IV/MECH** A 9 M.Rajamuni 1 811217114025 1 a 21 **IV/MECH** 9 La.Ramanathan a 1 811217114026 22 **IV/MECH** 10 **G.Sairam** C 811217114027 1 1 23 **IV/MECH** 10 **R.Sankaralingam** 811217114028 1 A 24 IV/MECH 1 10 M.Selvakumar 811217114030 25 **IV/MECH** ľ 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 ιØ 811217114034 29 **IV/MECH** 1 A.Vengatesh ĮD. 0 811217114035 1 30 1 / 1 IV/MECH A M.Venkatesh 10 811217114036 1 ∮ 31 **IV/MECH** ∕ a P.Vinavagamoorthy 811217114037 a 32 **IV/MECH** 1 **B.Vinothraja** 10 811217114038 1 33 **IV/MECH** 10 D.Yugesh 1 811217114039 1 34 IV/MECH 10 K.Arun 811217114301 35 **IV/MECH** 10 K.Santhosh Kumar / 811217114302 36 **IV/MECH** 811217114303 R.Thirumoorthi 37

Coordinator

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

"Master CAM"

MCO QUESTIONS (25X4 = 100 Marks)

- Batch model production lines are most suited to which one of the following production situations:
 a. Job shop
 c. Medium production
- b. Mass production
 c. All of the above
 c. 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 variablea. layout by process is most suitableb layout by product is most suitable

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
- What are the two basic types of production systems?
 a. Automated and manual
 b. Interpretation
 - b. Intermittent and non intermittent process
 - c. Normal and continuous process
- d. Continuous process and batch

d. line balancing is most suitable

d. mass production

d. Flow shop

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



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 of a. Continuous path positioning c. 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
- d. Mechanical center unit 18. The lost motion in CNC machine tool is on account of
 - a. Backlash in gearing
 - 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 face b. 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. Point-to-point positioning

d. Incremental positioning

b. X and Y-axes

b. ALU

d. Keyboard

d. X, Y and Z-axes

b. Machine center unit

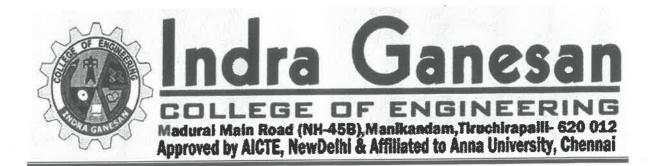
b. Wind-up of drive shafts

d. All the above

d. none of the above

b. Continuous production

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



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

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

Coordinator



Value Added Course

"Master CAM"

ANSWER KEY

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

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

c. Medium production

Year/Sem: 1V-meeh

b. Mass production

Flexible manufacturing systems and cells are generally applied in which one of the

b. low variety

d. Flow shop

d. All of the above

d. mass production

following areas: a High-variety, low-volume production

c. low volume

3. When the flow of materials is variable a, layout by process is most suitable

c. layout by fixed position is most suitable

4. What type of process would a paper mill be most likely to use? a. Continuous flow b. Project

c. Job shop

5 What are the two basic types of production systems? a Automated and manual b. Intermittent and non intermittent process

c. Normal and continuous process

d. Continuous process and batch

b layout by product is most suitable

d. line balancing is most suitable

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



- All of the following are current trends in manufacturing, except:
 a. global competition
 - c. total quality management
- Productivity increases when

 a. inputs increase while outputs remain the same

c. outputs decrease while inputs remain the same

8. Quality in design and production includes: a. service after sale

c. customer expectations

- CIM stands for

 Computer integrated machine.
 - c/Computer integrated manufacturing
- 10. Which item best describes a CAM technology?
 - c. Drafting
- Automation leads to

 Increase in productivity.
 - 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

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
- 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



- d. X, Y and Z-axes
- b. ALU
- d. Keyboard

b) Machine center unit

- d. Mechanical center unit
- The lost motion in CNC machine tool is on account of

 Backlash in gearing
 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
- d. none of the above

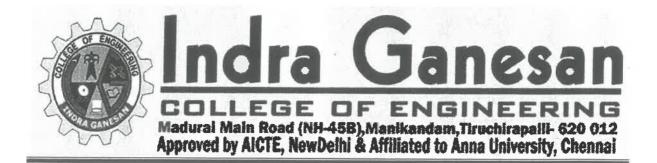
d. All the above

- 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

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



- 22. for a product layout the material handling equipmenta. Have full flexibilityb. Employ conveyor
 - 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

b. Employ conveyor belts trucks etc.

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

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

Coordinator



Department of Mechanical Engineering

Academic Year 2020-2021 – Odd Semester

VALUE ADDED COURSE ASSESEMENT SHEET

"Master CAM"

		*7	Attendar	ice Details	VAC-M	CQ TEST	OVERALL MADIX(100)
Reg.No	Student's Name	Year/ 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)
811217114001	S.Abdul Yasin	IV/MECH	30	100	20	80	90
direct of references	R.Ajithkumar	IV/MECH	30	100	18	72	86
811217114003	S.Anandha Kumar	IV/MECH	27	90	20	80	85
	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
		IV/MECH	30	100	20	80	90
		IV/MECH	30	100	22	88	94
		IV/MECH	30	100	20	80	90
		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		IV/MECH	30	100	19	, 76	88
	811217114001 811217114002 811217114002 811217114003 811217114004 811217114005 811217114005 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.NoStudent's NameBranchNo. of Hours Attended811217114001S.Abdul YasinIV/MECH30811217114002R.AjithkumarIV/MECH30811217114003S.Anandha KumarIV/MECH30811217114004M.AnanthIV/MECH27811217114005R.ChellaiahIV/MECH30811217114006C.DevarajanIV/MECH30811217114007S.DhamotharanIV/MECH30811217114008A.DhanusshIV/MECH30811217114009C.DharanidharanIV/MECH30811217114010N.DharmanIV/MECH30811217114013M.HariharasudhanIV/MECH30811217114014A.JawagarIV/MECH30811217114015Karthick SIV/MECH27	Reg.No Student's Name Branch No. of Hours Attendance Mark(100) Attended 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 811217114006 C.Devarajan 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 811217114007 S.Dharanidharan IV/MECH 30 100 811217114010 N.Dharman IV/MECH 30 100 811217114013 M.Harihar asudhan IV/MECH 30 100 811217114014 A.jawagar IV/MECH 30 10	Reg.No Student's Name 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 20 811217114004 M.Ananth IV/MECH 30 100 20 811217114005 R.Chellaiah IV/MECH 30 100 20 811217114006 C.Devarajan IV/MECH 30 100 22 811217114006 C.Devarajan IV/MECH 30 100 22 811217114007 S.Dhamotharan IV/MECH 30 100 22 811217114007 S.Dhamotharan IV/MECH 30 100 22 811217114008 A.Dhanussh IV/MECH 30 100 20 811217114019 N.Dharman IV/MECH 30 100 19 811217114013 <td>Reg.No Student's Name Branch No. of Hours Attendance Mark(100) No of Correct MCQ Mark(100) 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 811217114007 S.Dhamotharan IV/MECH 30 100 22 88 811217114007 S.Dhamotharan IV/MECH 30 100 20 80 811217114008 A.Dhanussh IV/MECH 30 100 20 80 811217114019 N.Dharman IV/MECH 30 100 19</td>	Reg.No Student's Name Branch No. of Hours Attendance Mark(100) No of Correct MCQ Mark(100) 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 811217114007 S.Dhamotharan IV/MECH 30 100 22 88 811217114007 S.Dhamotharan IV/MECH 30 100 20 80 811217114008 A.Dhanussh IV/MECH 30 100 20 80 811217114019 N.Dharman IV/MECH 30 100 19



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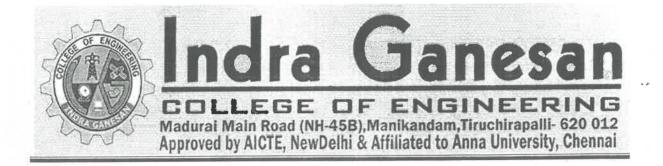
			Year/	Attendar	ce Details	VAC-M	CQ TEST	OVERALL MARK(100)
S.No.	Reg.No	Student's Name	Branch	No. of Hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	(50% of A + 50% of B)
15.	811217114018	M.Mohammed Faizal	IV/MECH	30	100	22	88	94
16	811217114019	S.Mohanraj	IV/MECH	24	80	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	A.Vengatesh	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	K.Arun	IV/MECH	24	80	22	88	84
36	811217114302	K.Santhosh Kumar	IV/MECH	30	100	20	80	90
37	811217114303	R.Thirumoorthi	IV/MECH	30	100	18	72	86

VAC Coordinator

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(T):41	Report on Master CAM				
Fitle:	Master CAM				
	Mr. Jayakumar,	Mr. Ba	alaji,		
Resource Person:	Trainer,				
	CADD centre,				
	Trichy				
Date of conduct from :	07.12.2020	To:	11.12.2020	Duration:	30 Hours
Organized Department :	MECHANICA	L ENG	INEERING		· · · · · · · · · · · · · · · · · · ·
articipant Year:	4		No. of	Students Regist	tered : 37
Venue:	Online mode - ht	.tps://me	et.google.com	/zcm-djnn-mdt	
Outcome of Value Ad	ded Course (VAC	C): At t	he end of the	Course. Stud	ents can able t
milling tool pathsKnow to recall As		ude, Rev	volve, Fillet, C	hamfer, Sweep,	
milling tool pathsKnow to recall As	ssembling with Extr ired training on An	rude, Rev imating	volve, Fillet, C	hamfer, Sweep,	, Thicken, Ruled
 milling tool paths Know to recall As They receive requ Students, who are se attendance is eligible t 	ssembling with Extr aired training on An Asse curing more than o receive the certific	ssment 70% o cate for t	volve, Fillet, C Assemblies, Su Process n total score he VAC cours	hamfer, Sweep, irface modeling and secured r e conducted	, Thicken, Ruled g tools.
 milling tool paths Know to recall As They receive require Students, who are se attendance is eligible t Total Score = (0.5 *At 	ssembling with Extrained training on An Asse curing more than o receive the certific tendance in VAC or	ssment 70% o cate for t	volve, Fillet, C Assemblies, Su Process n total score he VAC cours	hamfer, Sweep, irface modeling and secured r e conducted 0.5 *Test mark	, Thicken, Ruled g tools.

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



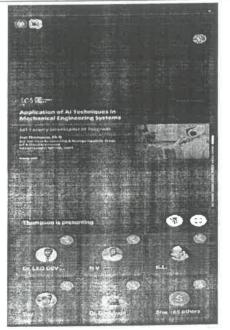


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Title:	Master CAM	[
	1. Mr. Jayaku	mar 2, N	/Ir. Balaji		
Resource Person:	Trainer				
	CADD centre	;			
	Trichy				
Date of conduct from :	Trichy 07.12.2020	To:	11.12.2020	Duration:	30 Hours
Date of conduct from : Organized Department :	07.12.2020			Duration:	30 Hours
	07.12.2020		HNEERING	Duration: Students Regist	<u></u>

Sample Photo

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Vishnu B	S.	ŝ
RAMESH MOHAN	\$	
	About this call Prepts Presenth R Santhosh Santhosh Rabinsing Xovler Tamilsetvan T Vikram Sathish Selva yoga Praveen A Vesanth Vesanth ViGNESHWARAN C Subeekshiacoth Presena Vishnu B	About this call Prespla Information Prasanth R % Santhosh Santhosh % Rabinsing Xovler % Tamilsetvan T % Vikram % Sathish Selva % yoga % Praveen A % VigNESHWARAN C % Subeekshtisecth Presena % Vishnu B %



VAC Coordinator

ÉСН

Principal

Dr. G. Balakrishnan, No. 2019 Principal Indra Ganesan College of Engineerin IG Valley, Madurai Main Road Manikandam, Trichy-620

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. Balakristinan, M.E., Ph.D.,

Principal Indra Ganesan College of Engineering IG Valley, Madurai MontRoad Manikandam, Trichy-620 012. Mr. P.Jayakumar CADD Centre

Mechanical Engineering and IC centre from 07 December 2020 t year 2020-2021. Dr. G. Balakrishnan, M.E., Ph.D., Principal Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.	ERTIFIC is to certify the value addee	¹ laza, No-122,	
De la contraction de la contra	AT that Mr f course	CAI II Floor, 5&4	
 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. gear 2020-2021. G. Balakrishnan, M.E., Ph.D., Principal a Ganesan College of Engineering IG Valley, Madurai Main Road 	CERTIFICATE OF PARTICIE This is to certify that Mr.K.Arun of IV Year MEC completed the value added course on Master CAM organized	CADD CENTRE Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, 7	
ssociation with CADD ys) during the Academic Wr. P.Jayakuma CADD Cent	CERTIFICATE OF PARTICIPATION This is to certify that Mr.K.Arun of IV Year MECH has successfully ited the value added course on Master CAM organized by Department of	E nent, Tiruchirappalli,	

Dr. G. Balakrishnan, M.E., Pincipal Principal Indra Ganesan College of Engineering IG Valley, Madural Main Road	CERTIFICATE OF This is to certify that Mr.R.San successfully completed the value added c Department of Mechanical Engineering association with CADD centre from 07 De days) during the Academic year 2020-2021.	CA Premier Plaza, No-122, II Floor, 5	
Mr. P CA	PARTICIPA karlingam of IV Yea ourse on Master CAM and IQAC of our cember 2020 to 11 Dec	Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,	
The Jay r. P.Jayakumar CADD Centr	TION r MECH has l organized by institution in ember 2020 (5	appalli,	

Dr. G. Balakriefman, M.E., Ph.D., Principal Indra Ganesan College of Englneering IG Valley, Madurai Main Road IG Valley, Madurai Main Road Manikandam, Trichy-620 012.	centre from 07 December . year 2020-2021.	This is to certify th completed the value adde Mechanical Engineering o	CERTIFIC	Premier Plaza, No-122, II F	
ng -	centre from 07 December 2020 to 11 December 2020 (5 days) during the Academic year 2020-2021.	This is to certify that Mr.M.Vengatesh 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	CERTIFICATE OF PARTICIPA	CADD CENTRE Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli,	
Mr. P.Jayakuma CADD Centr	ays) during the Academic	r MECH has successfully inized by Department of association with CADD	CIPATION	ment, Tiruchirappalli,	BINEERING

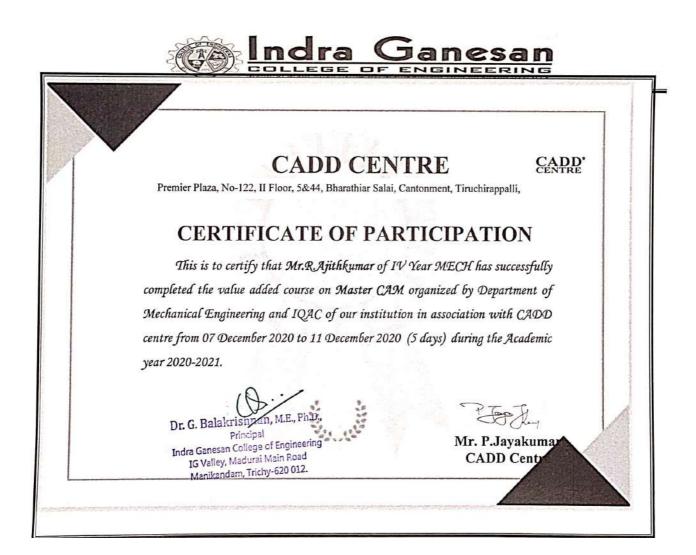
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Dr. G. Balakrishnan, M.E., Ph.D., Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012. year 2020-2021. completed the value added course on Master CAM organized by Department of centre from 07 December 2020 to 11 December 2020 (5 days) during the Academic Mechanical Engineering and IQAC of our institution in association with CADD Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli, A.V. This is to certify that Mr.B. Vinoth Raja of IV Year MECH has successfully CERTIFICATE OF PARTICIPATION Principal CADD CENTRE EZGIZEERIZG Janesan Mr. P.Jayakumay CADD Centr Fordany CADD.

Indra Ganesan College of Engineering IG Valley, Madurai Main Road Dr. G. Balakríshnan, M.E., Ph.D., year 2020-2021. centre from 07 December 2020 to 11 December 2020 (5 days) during the Academic Mechanical Engineering and IQAC of our institution in association with CADD completed the value added course on Master CAM organized by Department of Manikandam, Trichy-620 012. Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli, This is to certify that Mr.M. Prakash of IV Year MECH has successfully CERTIFICATE OF PARTICIPATION A. Principal nora CADD CENTRE LEGE OF ENGINEERING Janesan Mr. P.Jayakuma CADD Centy Forder CADD[®]

Dr. G. Balakrishnan, M.E., Ph.D., Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012. (5 days) during the Academic year 2020-2021. Department of Mechanical Engineering and IQAC of our institution in association with CADD centre from 07 December 2020 to 11 December 2020 successfully completed the value added course on Master CAM organized by Premier Plaza, No-122, II Floor, 5&44, Bharathiar Salai, Cantonment, Tiruchirappalli, Principal This is to certify that Mr.R. Thirumoorthi of IV Year MECH has CERTIFICATE OF PARTICIPATION ndra CADD CENTRE Janesan Mr. P.Jayakuma A day CADD Cent CADD.



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