

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

DEPARTMENT OF MECHCHANICAL ENGINEERING

Value Added Course

on

CREO 3D MODELLING SOFTWARE CNC CODING WITH LIVE DEMO

Conducted: CIPET CSTS Madurai

Year / Sem Batch: II / III / 2020 - 24

Course duration :21.02.2022 to 26.02.2022

Course Duration: 36 Hrs

18 February 2022

COLLEGE OF ENGINEERING A TECHNOLOGY

To

The Secretary, Kamaraj College of Engineering and Technology, Virudhunagar.

Through

The Principal,

Kamaraj College of Engineering and Technology, Virudhunagar.

The Dean Academic Courses,

Kamaraj College of Engineering and Technology, Virudhunagar.

The Head of the Department,

Mechanical Engineering, Kamaraj College of Engineering and Technology, Virudhunagar.

The Subject Expert,

Mechanical Engineering, Kamaraj College of Engineering and Technology, Virudhunagar.

Page | 1

Proposal:

Title of the Program	: Value added course for "CREO 3D Modelling Software & CNC coding
Participants	: II-year students
Conducted by	: CIPET
Software used	: CREO
Mode	: In Plant – CIPET Madurai

Need of the Program

• To improve the CNC Programme writing knowledge.

:

Objective

- Demonstrate the CREO 3D Modelling Software.
- Improve the knowledge and skill on CNC Programme.

Course Outcome

Students will able to

- Create cloud projects, manage, open and save models in CREO.
- **Create** and edit 2D Sketches and 3D models using CREO parametric tools to add constraints, dimensions, and control geometric relationships.
- Apply physical materials and assign appearances to 3D models.
- Use the CREO documentation environment to create technical drawings, parts lists, and other documentation for 3D models.
- Create the CNC Programme to operate the Machine.

Program Outcomes

- PO1 Engineering knowledge
- PO3 Design/development of solutions
- PO5 Modern tool usage
- PO12 Life-long learning

Evaluation & Certification

- CIPET conduct the assessment at end of the programme.
- CIPET Training Department will distribute the certificate to the students who secured minimum eligibility mark.
- Based this assessment mark, Student will award the Grade.

18 February 2022

Schedule with Lesson plan

- Module 1 Introduction to CREO
- Module 2 3D CREO Modelling
- Module 3 3D CREO Assembly
- Module 4 CNC Coding
- Module 5 CNC Machine Operation
- Module 6 Wire cut EDM demonstration

Note: One Module per day

Point of Contact

CIPET Madurai:

Dr. K. Prakalathan Director & Head & Mr. E. Sivakumar Senior Technical Officer CIPET - Madurai +91-8129497183 eskumar80@gmail.com

Coordinators:

Madhan N R, AP/Mech, Sakthivel Murugan R, AP/Mech, Department of Mechanical Engineering,

Coordinators

Name: N.Q. MPDHAN AP/MET(4

Lab Expert Name: R. SAIRTHINEL

18/02/2022 UG Programme **C**oordinator

HoD/Mech

APIMECH

UG Programme Coordinator Name: Dr. S. Thanga Kasi Rajan Ap/Mech

Name: Dr. J. 6. Saraus

Secretary Name:

- Sar 18/2/2

Dean Academic Name: Dr. R. SURBH BAM

Principal

Name:

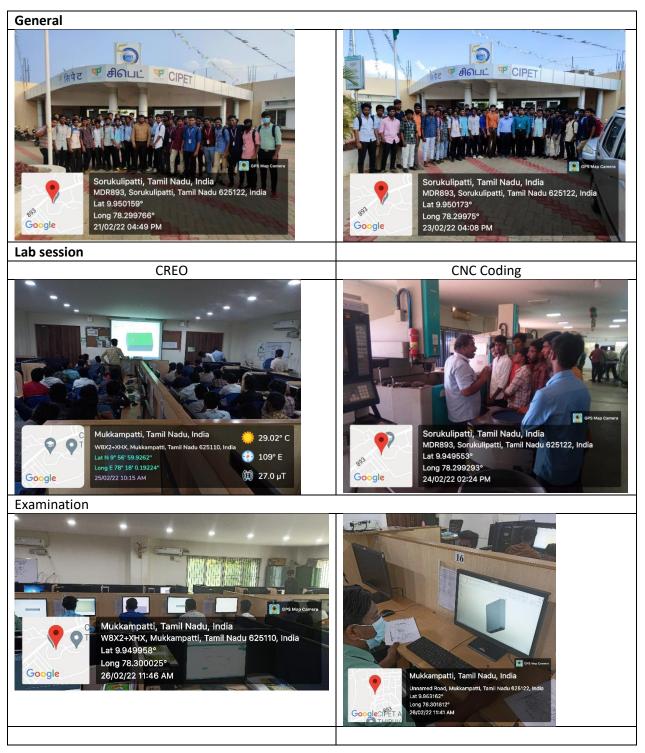


DEPARTMENT OF MECHCHANICAL ENGINEERING

Value Added Course on CREO 3D MODELLING SOFTWARE CNC CODING WITH LIVE DEMO

Conducted : CIPET CSTS Madurai Course duration :21.02.2022 to 26.02.2022 Duration of the Course : 36 Hrs Year / Sem : II / III Batch : 2020 - 24

Photos Proof



N. R. moditar

D.D. June

VAC Coordinators

HoD/MECH

सेन्ट्रल इंस्टिट्यूट ऑफ पेट्रोकेमिकल्स इंजीनियरिंग & टेक्नॉलाजी (सिपेट) { पूर्व सेन्ट्रल इंस्टिटयुट ऑफ प्लास्टिक्स इंजीनियरिंग & टेक्नॉलाजी (सिपेट)} सेन्टर फॉर स्किलिंग & टेक्निकल सपोर्ट (सी एस टी एस) रसायन एवं पेट्रोरसायन विभाग

रसायन एवं उर्वरक मंत्रालय, भारत सरकार थिरुवादवूर, मधुरै - 625 110. फोन : 0452-2424277 ई-मेल : atpdc.cipetmdu@gmail.com वेब्सइट : www.cipet.gov.in मुख्यालय : सिपेट, गिण्डी, चेन्नै - 600 032.



CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY (CIPET)

(Formerly Central Institute of Plastics Engineering & Technology (CIPET)) **CENTRE FOR SKILLING & TECHNICAL SUPPORT (CSTS)**



Department of Chemicals & Petrochemicals Ministry of Chemicals & Fertilizers, Govt. of India Thiruvathavur, Madurai - 625 110 Phone: 0452-2424277 E-mail : atpdc.cipetmdu@gmail.com Web : www.cipet.gov.in Head office : CIPET, Guindy, Chennai - 600 032

VALUE ADDED COURSE ASSESSMENT REPORT

VENUE : CIPET CSTS MADURAI

COURSE DURATION : 21.02.22 TO 26.02.22

: CREO 3D MODELING SOFTWARE CNC CODING WITH LIVE DEMO TOPIC

COLLEGE NAME : KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, VIRUDHUNAGAR. YEAR : SECOND YEAR : MECHANICAL ENGINEERING DEPARTMENT

				MARK	(S	
S.No	ROLL NO	STUDENT'S NAME	ATTE <u>ND</u> ENCE %	CNC Coding with live demo (50)	CREO 3D Modelling (50)	Total marks (100)
1	920420UME001	SAKTHIVEL.K	100	50	40	90
2	920420UME002	RAHUL.K	100	45	36	81
3	920420UME003	LOGESH.A	100	48	40	88
4	920420UME004	M.RAJA SRINIVASAN	100	45	36	81
5	920420UME005	V.SANTHOSH	100	45	40	85
6	920420UME006	D.VIJAY	100	50	40	90
7	920420UME007	S. HARISH	100	45	50	95
8	920420UME008	M.DHANUSH KUMAR	100	45	36	81
9	920420UME009	G. ALPHONSE SAM ANTO	100	45	36	81
10	920420UME010	M.SHANMUGASUNDARAM	83	50	50	100
11	920420UME011	L.VIGNESH	100	48	30	78
12	920420UME012	M.MANOJ KUMAR 🛛 🔬 💧	100	45	36	. 81
13	920420UME013	K. ARUL MURUGAN 🥤 🎽	100	43	40	83
14	920420UME014	P. NAVANEETHA KRISHNAN	100	45	50	95
15	920420UME015	K. ANANTHA KANNAN	100	43	36	79
16	920420UME016	K. JAIDEEP KUMAR	100	35 🚿	50	85
17	920420UME017	M.DA. SHYAM	83	48	50	98
18	920420UME018	R. MAREESWARAN	100	43	50	93
19	920420UME019	K. JEEVA	100	45	50	95
20	920420UME020	V.BALAMANIKANDAN 79	58 10001	48	36	84
21	920420UME021	M.BHARATH	100	45	50	95
22	920420UME022	K.SAI KISHORE	100	45	40	85
23	920420UME023	U. SIVAGURU	100	48	40	88
24	920420UME024	K. SIVARAJ	100	48	36	84
25	920420UME025	V.SHYAM GANESH	83	43	40	83
		A.G. SHANMUGAPRIYAN	100	38	50	88
		KALAI SELVAN.R	100	35	50	85
		HARIHARAN.N	100	45	50	95
	JEG IEG GI IEGEG	THANGARAJ.T	100	43	50	93
		HARISURIYA.M	100	43	50	93
		PREMKUMAR.V. V	100	45	50	95
32		PRAVEEN.C	83	38	40	78
33		SILAMPARASAN.P	100	43	50	93

ः अहमदाबाद, अमृतसर, औरगाबाद, अगरतला, बद्दी, बालासोर, बेंगलुरु, भोपाल, भुवनेश्वर, चन्द्रपुर, चेन्नई, देहरादून, गुरुग्राम, गुवाहाटी, ग्वालियर, केन्द हैदराबाद, हाजीपुर, हल्दिया, इम्फाल, जयपुर, कोच्चि, कोरबा, लखनऊ, मधुरै, मुरथल, मैसूरु, रायपुर, रांची, वलसाड एवं विजयवाडा

Centres : Ahmedabad, Amritsar, Aurangabad, Agartala, Baddi, Balasore, Bengaluru, Bopal, Bhuaneswar, Chandrapur, Chennai, Dehradun, Gurugram, Guwahati, Gwalior, Hyderabad, Hajipur, Haldia, Imphal, Jaipur, Kochi, Korba, Lucknow, Madural, Murthal, Mysuru, Raipur, Ranchi, Valsad & Vijayawada ट्रल इंस्टिट्यूट ऑफ पेट्रोकेमिकल्स ्जीनियरिंग & टेक्नॉलाजी (सिपेट) (पूर्व सेरन इंस्टिट्यूट ऑफ प्लास्टिक्म इंजीनिबॉंग & टेक्नॉलाबी (सिपेट)) सेन्टर फॉर स्किलिंग & टेक्निकल सपोर्ट (सी एस टी एस) रसायन एवं पेट्रोरसायन विभाग रूसायन एवं उर्वरक मंत्रालय, भारत सरकार

थिरुवादवूर, मधुरै - 625 110. फोन : 0452-2424277 ई-मेल : atpdc.cipetmdu@gmail.com वेन्सइट : www.cipet.gov.in मुख्यालय : सिपेट, गिण्डी, चेन्नै - 600 032.



CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY (CIPET)

(Formerty Central Institute of Plastics Engineering & Technology (CIPET))

CENTRE FOR SKILLING & TECHNICAL SUPPORT (CSTS)

proba-partness-practica - Plantica



Department of Chemicals & Petrochemicals Ministry of Chemicals & Fertilizers, Govt. of India Thiruvathavur, Madurai - 625 110 Phone : 0452-2424277 E-mail : atpdc.cipetmdu@gmail.com Web : www.cipet.gov.in Head office : CIPET, Guindy, Chennai - 600 032

34	920420UME034	SATHISH KUMAR.D	100	38	50	88
35	920420UME036	KARTHIGAI SELVAN.R	100	48	50	98
36	920420UME037	THIRUMALAIRAJ.K	100	43	50	93
37	920420UME038	NAGENDRAN.J	100	25	50	75
38	920420UME039	GOKULAKRISHNAN.E	100	43	50	93
39	920420UME040	SREE PRABHU.A	100	40	50	90
40	920420UME041	SARAVANA KUMAR.C	100	33	40	73
41	920420UME043	SABARIS.H. G	100	45	50	95
42	920420UME044	KESAVAN. J	100	38	30	68
43	920420UME045	RAJAGURU.C	100	43	50	93
44	920420UME046	CHANDRA KUMAR. G	100	45	50	95
45	920420UME047	AKASH.A	100	48	40	88
46	920420UME048	SUBRAMANIAN.P	83	40	50	90
47	920420UME049	ROHIT VISHNU. K	100	50	50	100
48	920420UME050	AKILAN KARUPPAIAH.P	100	38	40	78



केन्द्र ः अहमदाबाद, अमृतसर, औरंगाबाद, अगरतला, बद्दी, बालासोर, बॅंगलुरु, भोपाल, भुवनेश्वर, चन्द्रपुर, चेन्नई, देहरादून, गुरुग्राम, गुवाहाटी, ग्वालियर, हैदराबाद, हाजीपुर, हल्दिया, इम्फाल, जयपुर, कोच्चि, कोरबा, लखनऊ, मधुरै, मुरथल, मैसूरु, रायपुर, रांची, वलसाड एवं विजयवाडा

Centres : Ahmedabad, Amritsar, Aurangabad, Agartala, Baddi, Balasore, Bengaluru, Bopal, Bhuaneswar, Chandrapur, Chennai, Dehradun, Gurugram, Guwahati, Gwalior, Hyderabad, Hajipur, Haldia, Imphal, Jaipur, Kochi, Korba, Lucknow, Madurai, Murthal, Mysuru, Raipur, Ranchi, Valsad & Vijayawada



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

DEPARTMENT OF MECHCHANICAL ENGINEERING

Value Added Course

CREO 3D MODELLING SOFTWARE CNC CODING WITH LIVE DEMO

Conducted : CIPET CSTS Madurai

Year / Sem : II / III

Course duration : 21.02.2022 to 26.02.2022

Batch : 2020 - 24

Attendance cum Mark

S.NO	REG NO	NAME	Attendance	Total Mark
1	920420UME001	SAKTHIVEL.K	100	90
2	920420UME002	RAHUL.K	100	81
3	920420UME003	LOGESH.A	100	88
4	920420UME004	RAJA SRINIVAS.M	100	81
5	920420UME005	SANTHOSH.V	100	85
6	920420UME006	VIJAY.D	100	90
7	920420UME007	HARISH.S	100	95
8	920420UME008	DHANUSH KUMAR.M	100	81
9	920420UME009	ALPHONSE SAM ANTO.G	100	81
10	920420UME010	SHANMUGASUNDARAM.M	83	100
11	920420UME011	VIGNESH.L	100	78
12	920420UME012	MANOJ KUMAR .M	100	81
13	920420UME013	ARUL MURUGAN. K	100	83
14	920420UME014	NAVANEETHA KRISHAN. P	100	95
15	920420UME015	ANANTHA KANNAN.K	100	79
16	920420UME016	JAIDEEP KUMAR.K	100	85
17	920420UME017	SHYAM .M.DA	83	98
18	920420UME018	MAREESWARAN,R	100	93
19	920420UME019	JEEVA.K	100	95
20	920420UME020	BALAMANIKANDAN.V	100	84
21	920420UME021	BHARATH.M	100	95
22	920420UME022	SAIKISHORE.K	100	85
23	920420UME023	SIVAGURU.U	100	88
24	920420UME024	SIVA RAJ.K	100	84
25	920420UME025	SHYAM GANESH.V	83	83
26	920420UME026	SHANMUGAPRIYAN.A.G	100	88
27	920420UME027	KALAI SELVAN.R	100	85
28	920420UME028	HARIHARAN.N	100	95
29	920420UME029	THANGARAJ.T	100	93
30	920420UME030	HARISURIYA.M	100	93
31	920420UME031	PREMKUMAR.V.V	100	95
32	920420UME032	PRAVEEN.P	83	78
33	920420UME033	SILAMPARASAN.P	100	93
34	920420UME034	SATHISH KUMAR.D	100	88
35	920420UME036	KARTHIGAI SELVAN.R	100	98
36	920420UME037	THIRUMALAIRAJ.K	100	93
37	920420UME038	NAGENDRAN.J	100	75

CONTRACT AND				
38 92	0420UME039	GOKULAKRISHNAN.E	100	93
92	0420UME040	SREE PRABHU.A	100	90
10 92	0420UME041	SARAVANA KUMAR.C	100	73
	0420UME043	SABARIS.H.G	100	95
		KESAVAN .J	100	68
13 92		RAJAGURU.C	100	93
44 92	0420UME046	CHANDRA KUMAR. G	100	95
45 92	0420UME047	AKASH.A	100	88
46 92	0420UME048	SUBRAMANIAN.P	83	90
47 92	0420UME049	ROHIT VISHNU .K	100	100
48 92	0420UME050	AKILAN KARUPPAIAH.P	100	78
	/			

VAC In-charge

-

0 HOD/MECH

Chairperson Chairperson C-J Dean Academic

Feedback Form | II Year | Value Added Course

Title of the Program : Value added course for "CREO 3D Modelling Software & CNC coding"

Participants	: II-year students	
Date	: 21.02.2022 to 26.02.2022	
Conducted by	: CIPET - Madurai	
Software used	: CREO	
Mode	: In Plant – CIPET Madurai	

CIPET Madurai:

Dr. K. Prakalathan Director & Head & Mr. E. Sivakumar Senior Technical Officer CIPET - Madurai +91-8129497183 eskumar80@gmail.com

Coordinators:

Madhan N R, AP/Mech, Sakthivel Murugan R, AP/Mech, Department of Mechanical Engineering,

Instructions: Please indicate your level of agreement the statements listed below

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

* Required

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

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



2. Participation and interaction were encouraged.



*

3. The topics covered were relevant to me.



4. The content was organized and easy to follow.



5. This training experience will be useful me. *

6. The trainer was knowledgeable about the training topics.



*

- 7. The trainer was well prepared.
- 8. The trainer was well prepared.

- 9. The training objectives were met.
- 10. The training objectives were met.
- 11. The time allotted for the training was sufficient *

12. The CAD Lab and CNC Machine were adequate and comfortable. *

*

Your view about this programme

13. What did you like most about this training?

14. What aspects of the training could be improved?

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

16. Please share over all comments about this programme.

- 17. Do you suggest this programme to your juniors *
 - () Yes
 - 🔵 No

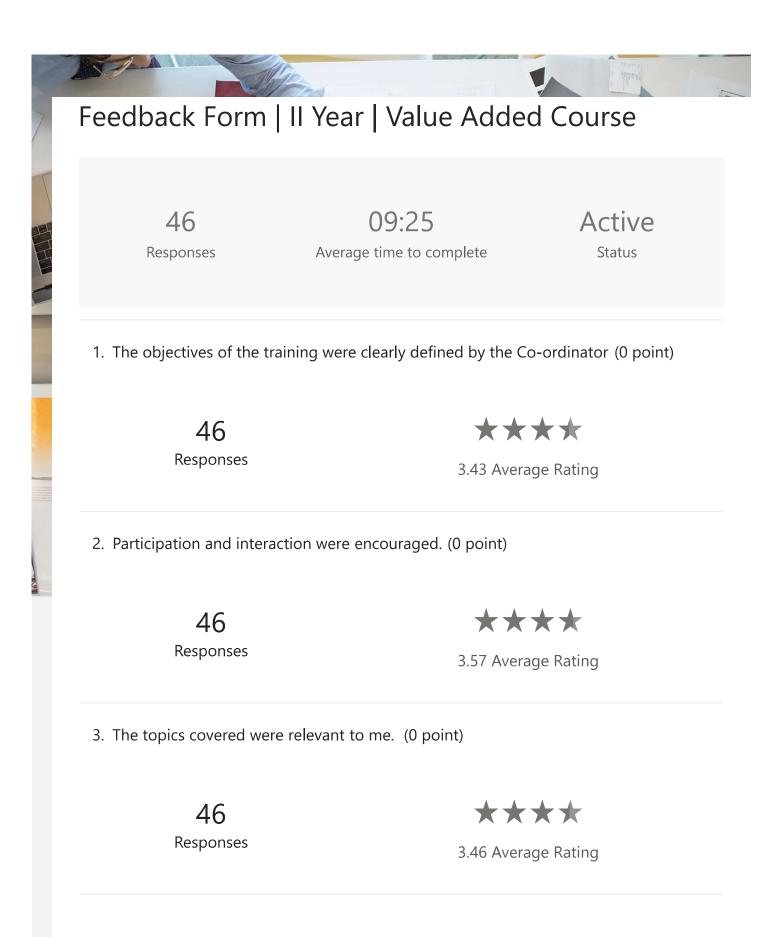
Certificate Details

- 18. Kindly upload your certificate here.(Please share as a PDF within 5MB) *
 - ↑ Upload file

File number limit: 1 Single file size limit: 10MB Allowed file types: Word, Excel, PPT, PDF, Image, Video, Audio

This content is neither created nor endorsed by Microsoft. The data you submit will be sent to the form owner.





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

46 Responses

 $\star \star \star \star$

3.50 Average Rating

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

46

Responses

 $\star \star \star \star$

3.57 Average Rating

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

46 Responses

 \star \star \star \star

3.52 Average Rating

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

46 Responses

 \star \star \star

3.50 Average Rating

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

46 Responses

 $\star \star \star \star$

3.50 Average Rating

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

46 Responses

 $\star\star\star\star\star$

3.48 Average Rating

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

46 Responses

 $\star \star \star \star$

3.37 Average Rating

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

46 Responses

 $\star\star\star\star\star$

3.35 Average Rating

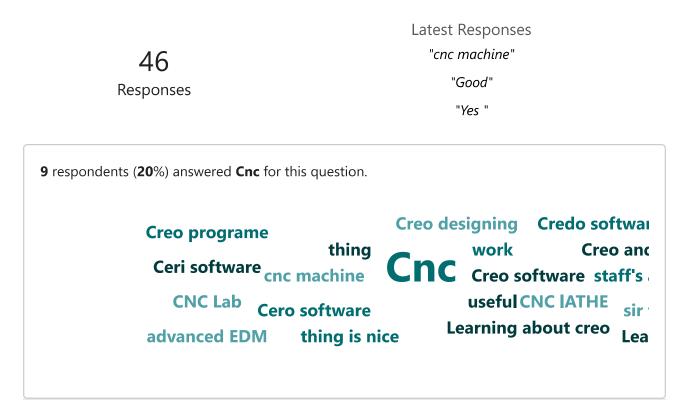
12. The CAD Lab and CNC Machine were adequate and comfortable. (0 point)

46 Responses

 \star \star \star

3.50 Average Rating

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



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

46

Responses

Latest Responses "Nothing" "Skills development" "Nothing "

6 respondents (13%) answered good for this question. thinking aspects demo software knowledge Needed to learn Creo good software Learnir Duration time period not Good students time and Materials 15. How do you hope to change your practice as a result of this training? (0 point)



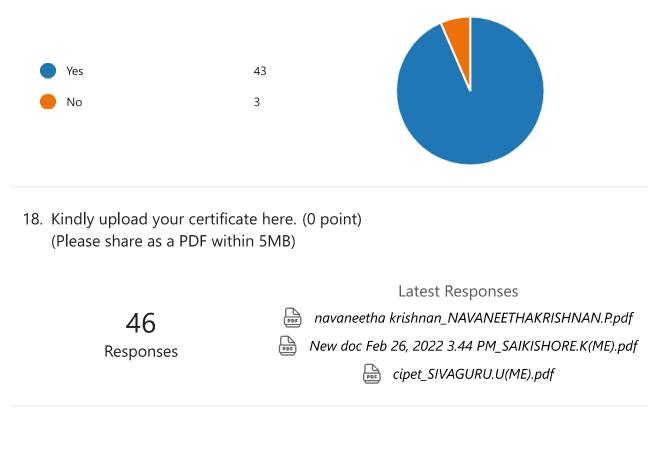
8 respondents (17%) answered good for this question.

MODELLING effort Creo is	effort Cree is good		touch
	better	good	CREO quickly
future very useful conspect	No idea	training is useful Designe	creo software

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

	Latest Responses
46	"Nice"
Responses	"Nill"
,	"Nice"

12 respondents (26%) answered Good for this question. Excellent programme useful thanks to CIPET knowledge of creo CNC machine 12 respondents (26%) answered Good for this question. idea about creo company machine creo i sir Creo basic knowledge 17. Do you suggest this programme to your juniors (0 point)



most of the students geve positive feedback about the programme. s.s. Dumburg HODIMech.



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

DEPARTMENT OF MECHCHANICAL ENGINEERING

Value Added Course on CREO 3D MODELLING SOFTWARE CNC CODING WITH LIVE DEMO

Conducted & Venue: CIPET CSTS Madurai Course duration :21.02.2022 to 26.02.2022 Duration of the Course: 36 Hrs

Year / Sem : II / III Batch : 2020 - 24

Summary Report

On the days 21.02.2022, Inaugural function was conducted at CIPET Auditorium, Madurai. Inaugural address was delivered by Er. Sivakumar, Senior Technical Officer. At the end of this session, students are split into two batches.

Date	Topics to be covered		
	Batch I	Batch II	
21.02.2022	Basics of CREO & its Drawing	CNC Programming	
	Modes		
22.02.2022	3D Modelling -Part Diagram -	CNC – G code M Code	
	Assembly creation		
23.02.2022	Wire-cut EDM and Advanced	Basics of CREO & its Drawing Modes	
	Machining Demo		
24.02.2022	CNC – G code M Code	3D Modelling -Part Diagram -	
		Assembly creation	
25.02.2022	CNC Programming	Wire-cut EDM and Advanced	
		Machining Demo	
26.02.2022	End Examination cum Valedictory Function		

At the end of the day during valedictory function, all the (48) students are received the course completing certificate by CIPET, Madurai.

N. R. moditar

D.D. Dunk

VAC Coordinators

HoD/MECH

CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY (CIPET), MADURAI

Survey No. 489/1, Near Periyar Samathuvapuram, Thiruvathavur, Tamil Nadu 625110

CENTRE FOR SKILLING AND TECHNICAL SUPPORT (CSTS)

ABOUT CIPET : CSTS – MADURAI

CIPET : CSTS - Madurai is an ISO 9001 : 2015 certified institution for its Academic and Technology Support Services and Product Testing Laboratory (PTL) is accredited by NABL for Quality Control and Testing of raw materials and products of plastics.

CIPET : CSTS - Madurai is presently conducting three Long Term Courses i.e. Diploma in Plastics Mould Technology (DPMT), Diploma in Plastics Technology (DPT), Post Diploma in Plastics Mould Design with CAD/CAM(PD-PMD). Also short duration skill development training programmes in Plastics Processing / Injection Molding / Extrusion / CNC Milling / CNC Lathe etc. Also, our CAD Department is conducting specialized training on various CAD softwares AutoCAD / Unigraphics / Creo / CATIA / Mold Flow etc.

CIPET : CSTS - Madurai is offering Technical Services in various disciplines of Design, Tooling, Processing, Testing & Inspection to the local Plastics Industries and playing a major role in the development of Plastic Industries in & around Tamil Nadu.

Resource Person:



Mr. E. Sivakumar Senior Technical Officer CIPET : Centre for Skilling and Technical Support (CSTS), Near Samathuvapuram, Thiruvathavur, Madurai - 625110. Phone No.: +91-452-2424227,2424277 Mobile No.: +91-8129497183 Mail ID: eskumar80@gmail.com