



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

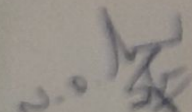
S.P.G. Chidambaram Road - C. Nagarajapuram Campus

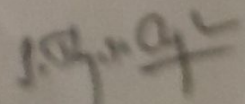
S.P.G.C. Nagar, K. Vellakulam - 625 701 (Near VIRUDHUNAGAR)

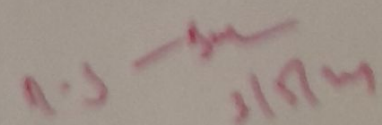
DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Course  
on  
CAD using UG - NX

Academic Year : 2023-2024 (ODD Semester)  
Date : 13.02.2024 to 19.02.2024  
Duration : 45 Hours  
Organized by : CIPET, Madurai

  
Coordinators

  
HoD/Mech

  
Dean (Academic Courses)

# KAMARAJ

## COLLEGE OF ENGINEERING & TECHNOLOGY



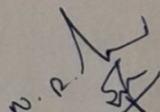
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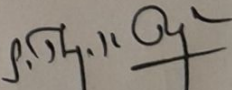
S.P.G.Chidambara Nadar - C.Nagammal Campus

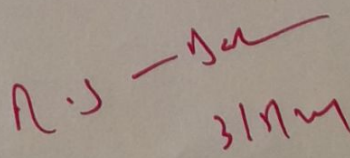
S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

### DEPARTMENT OF MECHANICAL ENGINEERING

Content	Details
Academic Year	2023-2024 (EVEN Semester)
Date	13.02.2024 to 19.02.2024
Name of the Value-added course	CAD using UG - NX
Duration	45 Hours
No of Credit	2 Credit
Category	Theory (15 Hours) and Lab (30 hours)
Organized by	CIPET, Madurai
External Coordinator	Mr.E.Sivakumar
Three Member Committee Members	1. Dr. S. Thanga Kasi Rajan, ASP& HoD/Mech 2. Er. R.Sakthivel Murugan, AP/Mech 3. Er. N. R. Madhan, AP/Mech
Internal Coordinators	Er. N. R. Madhan, AP/Mech Dr. S. Muthunatarajan, AP/Mech

  
N. R. Madhan  
Coordinators

  
S. Thanga Kasi Rajan  
HoD/Mech

  
Dean (Academic Courses)

# KAMARAJ

## COLLEGE OF ENGINEERING & TECHNOLOGY



(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), Madurai District.

Submitted to the SECRETARY for approval through the PRINCIPAL

Book No.

MECH

Date 29.01.2024

SL.No.

91

VALUE ADDED COURSE: CAD using Unigraphics - Nx | CIPET, MADURAI

Name of the course: CAD using Unigraphics - Nx

Conducted by: CIPET, MADURAI

Duration: 4 days by CIPET, Madurai } -> 6 Days  
2 days internal experts.

Amount: 500000 INR [18%] / per day per student.

No. of student: 31 nos., II year mechanical Engineering

Payment: Full payment in Advance.

Venue: MECHANICAL CAD LAB.

Approval: my please be granted for above mentioned amount.  
Total amount = Rs 73,160.  
Request to provide Kerala Reimbursement for resource persons.

N. S. Signature of Faculty

J. J. HOD

PRINCIPAL

OFFICE USE

Value Added Course E&T

- 1) Account Head
- 2) Budget allotted
- 3) Amount committed / Spent so far
- 4) Balance available

OM

Treasurer

Secretary

Unigraphics-NX | II Year | Mech | 2023-24 EVEN Sem

Madhan.N.R <madhanmech@kamarajengg.edu.in>

Mon 2/12/2024 12:37 PM

To:22UME <22ume@kamarajengg.edu.in>

Cc:MUTHU NATARAJAN.S <muthunatarajanmech@kamarajengg.edu.in>;HODMECH <hodmech@kamarajengg.edu.in>

Dear students,

As per guidelines from R2021, a value-added course is mandatory for your curriculum. As discussed in the three-member committee conducted on 18.01.2024, our department is planning to organize the Value-added course on "CAD using Unigraphics-NX" from 13.02.2024 to 19.02.2024.

Experts from CIPET, Madurai, are going to handle this programme. At the end of this programme, evaluation has been done by the experts. You are instructed to attend this programme without fail.

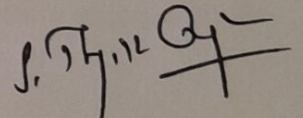
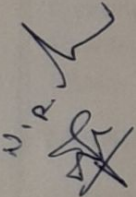
Venue: KCER-MECH-CAD Lab

Timing: 09.10 am to 07.00 pm

With Regards,  
Madhan N R,  
Assistant Professor,  
Mechanical Department,

**KAMARAJ**

College of Engg and Tech,  
Virudhunagar.



**Department of Mechanical Engineering**

Title of the Program : Value Added Course on "CAD using UG - NX"

Date: 13.02.2024 to 19.02.2024

Participants : II year (2022 – 2026 Batch)

Academic Year: 2023 – 2024 EVEN

Conducted by : CIPET, Madurai

Venue : KCER-MECH-CAD Lab

**Syllabus**

**INTRODUCTION**

Introduction to NX - System Requirements - Getting Started with NX - Important Terms and Definitions - Understanding the Functions of the Mouse Buttons – Toolbars - Hot Keys - Color Scheme - Dialog Boxes in NX - Selecting Objects - Deselecting Objects - Selecting Objects Using the Quick Pick Dialog Box - Self-Evaluation Test

**DRAWING SKETCHES FOR SOLID MODELS**

The Sketcher Environment - Starting NX - Starting a New Document in NX - Invoking Different NX Environments - Creating Three Fixed Datum Planes (XC-YC, YC-ZC, XC-ZC) - Displaying the WCS - Invoking the Sketcher Environment - Sketching Tools - Drawing Sketches Using the Profile Tool - Using Help Lines to Locate Points - Drawing Individual Lines - Drawing Arcs - Drawing Circles - Drawing Rectangles - Placing Points - Drawing Ellipses or Elliptical Arcs - Drawing Conics

**EDITING, EXTRUDING, AND REVOLVING SKETCHES**

Editing Sketches - Trimming Sketched Entities - Extending Sketched Entities - Creating a Corner between Sketched Entities - Mirroring Sketched Entities - Copying, Moving, and Rotating Sketched Entities - Transforming Sketched Entities - Editing Sketched Entities by Dragging - Exiting the Sketcher Environment - Changing the View of the Sketch - Creating Base Features by Extruding - Extrude Dialog Box Options - Creating Solid Revolved Bodies - Hiding Entities - Showing Hidden Entities - Hiding All Entities Using a Single Tool - Rotating the View of a Model in 3D Space - Setting Display Modes

**MODELING TOOLS**

Advanced Modeling Tools - Creating Simple Holes - Creating Counter bore Holes - Creating Countersink Holes - Creating Holes by using the Hole Tool - Creating General Holes - Creating Drill Size Hole - Creating Screw Clearance Hole - Creating Threaded Hole - Creating Hole Series - Creating Grooves - Creating Rectangular Grooves - Creating Slots - Creating Dove-Tail Slots - Creating an Edge Blend - Advanced Modeling Tools - Instance Feature Tool - Creating Rectangular Arrays Using the Instance Feature Tool - Creating Circular Arrays Using the Instance Feature Tool - Using the Pattern Face Option of the Instance Feature Tool - Mirror Feature Tool - Mirror Body Tool - Sweeping Sketches along the Guide Curves - Creating Swept Features - Creating Tubes or Cables - Creating Threads - Creating Symbolic Threads - Creating Detailed Threads - Creating Shell Features - Shelling the Entire Solid Body

**ASSEMBLY MODELING**

The Assembly Environment - Creating Subassemblies - Editing Assembly Constraints - Modifying the Assembly Constraints - Checking the Interference between the Components of an Assembly - Checking Interference and Clearance - Using the Check Clearance Analysis - Checking Interference Using the Assembly Clearance Method - Exploding Views Automatically & Manually

*W. R. ...*  
Coordinators

*S. J. ...*  
HoD/Mech

Department of Mechanical Engineering

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Date: 13.02.2024 to 19.02.2024

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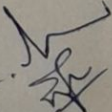
Academic Year: 2023 – 2024 EVEN

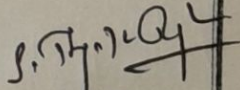
Conducted by : CIPET, Madurai

Venue : KCER-MECH-CAD Lab

Value Added Course Outcome

Course Outcome	Details
1	Understand industry standards and best practices for creating manufacturing-ready drawings.
2	Create 3D models of mechanical parts and assemblies using NX CAD's robust modeling tools.
3	Utilize simulation and analysis tools within NX CAD to evaluate the performance of designs.
4	Learn to manipulate surfaces, curves, and splines to achieve desired aesthetics and functionality.
5	Understand the importance of data integrity, security, and revision control in collaborative design projects.

  
Coordinators

  
HoD/Mech

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Academic Year: 2023 – 2024 EVEN

Conducted by : CIPET, Madurai

Venue : KCER-MECH-CAD Lab

**Approval of Board of Study Meeting**

Board of Study Meeting: VI

Mode: hybrid mode

Date & Timing: 11.03.2023 & 10.00 AM

Page No: 15 of 16

**006.06.00: Information about the (Points Discussed in the following)**

Item No.	Description	Suggestions / Comments from the BoS Members
006.06.01	Anna University New Amendment (Honours / Honours in same discipline / Minor)	Dr.S. Thangakasirajan, AP/Mech Presented the new amendment given by Anna University. Bos members accepted the amendments.
006.06.02	Pass Percentage of students	Dr.B. Balavairavan, AP/Mech Presented the Pass percentage year wise and course wise. Bos members accepted the results.
006.06.03	Value Added Courses offered/ Planned for the academic year: 2023 - 2024	Mr. N.R. Madhan, AP/Mech Presented the Value-added course planned for the academic year 2022 - 2023.  BoS members suggested some value-added courses for next academic year: LabVIEW, Computational fluid dynamics, Image processing and coding, Deep learning in Metallurgy, <u>NX CAD, CATIA and SolidWorks.</u>

*N.R. Madhan*  
 Coordinators

*S. Thangakasirajan*  
 HoD/Mech

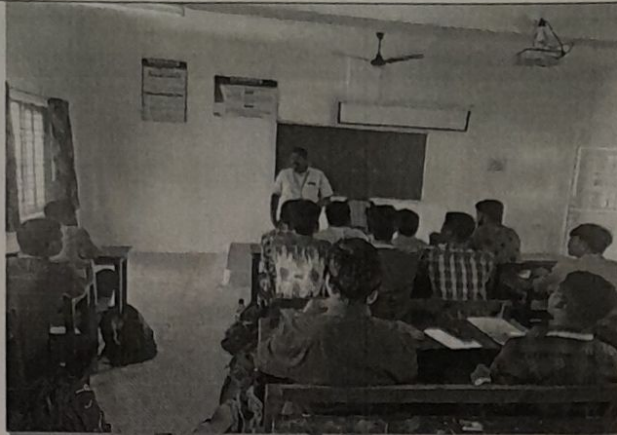
**DEPARTMENT OF MECHANICAL ENGINEERING**

**Three-member committee meeting for value added course selection**

Agenda	Value Added Course Selection Meeting
Date	: 18.01.2024
Time	: 09.10 AM
Venue	: E14 Hall, Academic Block Four, Third Floor
Members Present	: <p><b>Three Member Committee Members</b></p> <ol style="list-style-type: none"> <li>1. Dr. S. Thanga Kasi Rajan, ASP&amp; HoD/Mech</li> <li>2. Er.R.Sakthivel Murugan, AP/Mech</li> <li>3. Er. N.R. Madhan, AP/Mech</li> </ol> <p><b>Chairperson</b></p> <ol style="list-style-type: none"> <li>1. Dr.S.Muthu Natarajan, AP/Mech</li> </ol> <p><b>Co-ordinators</b></p> <ol style="list-style-type: none"> <li>1. Er. N.R. Madhan, AP/Mech</li> <li>2. Dr.S.Muthu Natarajan, AP/Mech</li> </ol> <p><b>Class representative (2021 – 2025 Batch)</b></p> <ol style="list-style-type: none"> <li>1. Mr. Naveen N.M. (22UME012), II Year/ Student</li> <li>2. Mr. Dhanush R.K. (22UME013), II Year/ Student</li> <li>3. Mr. Naveen Sarathi.V (22UME022), II Year/ Student</li> <li>4. Mr. Kishore Vikram.N (22UME029), II Year/ Student</li> </ol>
Minutes of the Meeting	: <p>It is optional to complete a Value-Added Course for Regulation 2021. In this regard a three-member committee has been formed and a meeting is organized to select the course for registration.</p> <ul style="list-style-type: none"> <li>• Meeting started by 09.10 AM. Dr. S. Thanga Kasi Rajan, Associate Professor &amp; Head of the Department, welcome the gathering. He has advised to maintain SOP for value added course.</li> <li>• Er. N. R. Madhan, Assistant Professor &amp; Value added course incharge has proposed course offered by               <ul style="list-style-type: none"> <li>○ CIPET, Madurai, offering CAD Using Unigraphics - NX.</li> </ul> </li> <li>• Based on the suggestion given by the 2022-2026 Batch Chairperson, 3 committee members for Value added course and student representative, “CAD Using Unigraphics - NX” course is agreed to take in this IV semester for 2022-2026 Batch students. Courses were selected by the students based on their interested.</li> </ul> <p><b>Justification for the Courses selection:</b></p> <p>The justification for the course selection were as follows</p> <ol style="list-style-type: none"> <li>i. These courses will be useful for their project work</li> <li>ii. It is a 45-hour courses (2 Credits)</li> <li>iii. These courses are useful to meet the Industrial Needs</li> <li>iv. These courses are in emerging areas.</li> </ol>



Proof



*S. Thangaraj*

*N.R. Madhan*

**Three Member Committee Members**

Dr. S. Thanga Kasi Rajan, ASP & HoD/Mech  
Er.R.Sakthivel Murugan, AP/Mech  
Er. N.R. Madhan, AP/Mech

*N.R. Madhan*

**Domain Experts**

Er. N.R. Madhan, AP/Mech  
Dr. S.Muthu Natarajan AP/Mech

*S.M. Natarajan*

**Chairperson**

Dr. S.Muthu Natarajan AP/Mech

*S. Thangaraj*

HoD/Mech

*N.S. - San*  
*31/5/21*

Dean Academics

Department of Mechanical Engineering

Title of the Program : Value Added Course on "CAD using UG - NX"

Date: 13.02.2024 to 19.02.2024

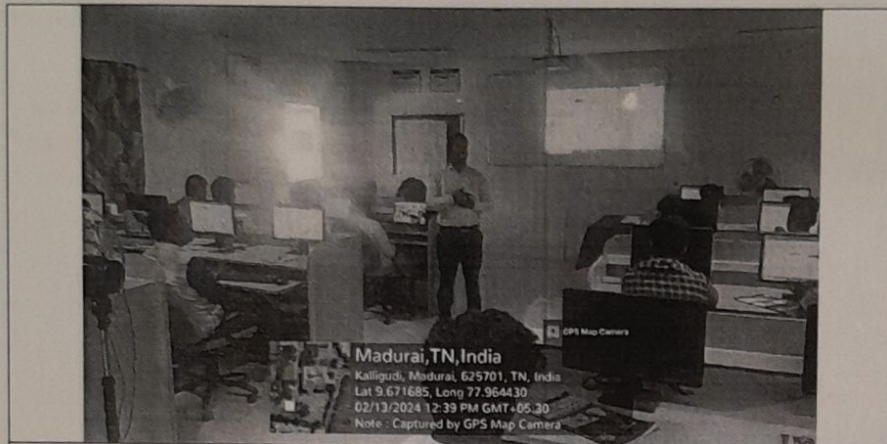
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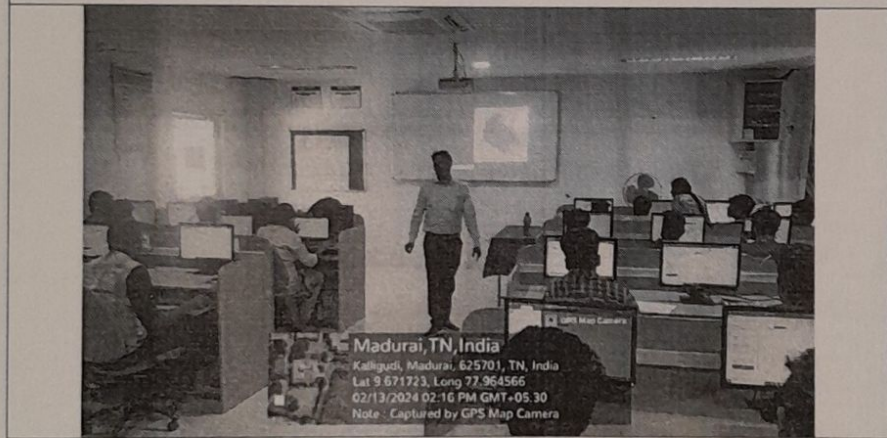
Conducted by : CIPET, Madurai

Venue : KCER-MECH-CAD Lab

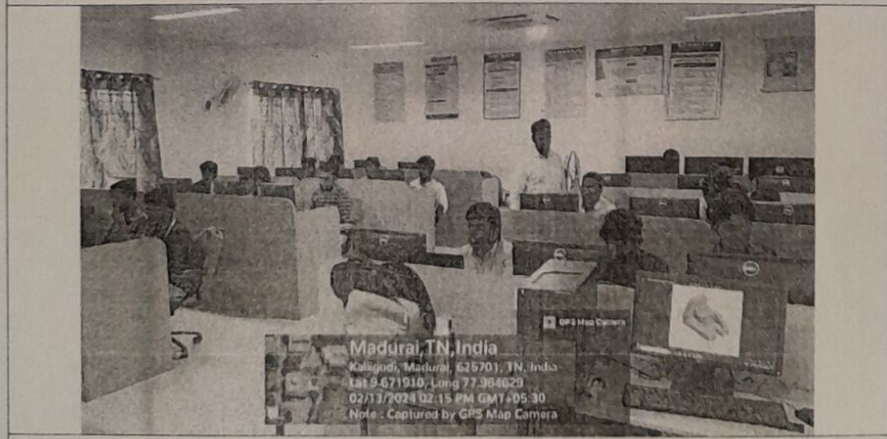
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During Inaugural Session on 13.02.2024



During Theory Session on 14.02.2024



During the examination on 19.02.2024

*N. R. M. S.*  
Coordinators

*S. S. S. S.*  
HOD/Mech

Department of Mechanical Engineering

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Academic Year: 2023 – 2024 EVEN

Conducted by : CIPET, Madurai

Venue : KCER-MECH-CAD Lab

Attendance Report

S No	Roll Number	Register Number	Student Name	13/02	14/02	15/02	16/02	17/02	19/02
1	22UME001	920422114014	MURUGAN.J	mfj	mfj	mfj	mfj	mfj	mfj
2	22UME002	920422114013	MARIA REENALDIN.G	mm	mm	mm	mm	mm	mm
3	22UME003	920422114020	SUBAN KUMAR.P	P-suban	P-suban	P-suban	P-suban	P-suban	P-suban
4	22UME004	920422114022	SURENDAR KUMAR.M	ss	ss	ss	ss	ss	ss
5	22UME005	920422114025	VIGNESHWAR.S	vs	vs	vs	vs	vs	vs
6	22UME006	920422114002	ABINASH.T	at	at	at	at	at	at
7	22UME007	920422114007	GOWTHAM.A	ga	ga	ga	ga	ga	ga
8	22UME008	920422114021	SUDHARSHAN.V.G	sv	sv	sv	sv	sv	sv
9	22UME009	920422114010	KARUPPASAMY.S	sk	sk	sk	sk	sk	sk
10	22UME010	920422114023	VELMURUGAN.M	vm	vm	vm	vm	vm	vm
11	22UME011	920422114004	AVINESH.T	vt	vt	vt	vt	vt	vt
12	22UME012	920422114015	NAVEEN.N.M	N.M.D	N.M.D	N.M.D	N.M.D	N.M.D	N.M.D
13	22UME013	920422114006	DHANUSH.R.K	dr	dr	dr	dr	dr	dr
14	22UME014	920422114001	AATHI.V	vat	vat	vat	vat	vat	vat
15	22UME016	920422114026	VIJAYAN.S.P	vsp	vsp	vsp	vsp	vsp	vsp
16	22UME017	920422114008	GURU PRAVEEN.D	gp	gp	gp	gp	gp	gp
17	22UME018	920422114017	PARAMASIVAN.B	pb	pb	pb	pb	pb	pb
18	22UME019	920422114024	VIGNESH.B	vb	vb	vb	vb	vb	vb
19	22UME020	920422114003	ANIKET LAKRA	al	al	al	al	al	al
20	22UME021	920422114009	KARTHIK.M	km	km	km	km	km	km
21	22UME022	920422114016	NAVEEN SARATHI.V	ns	ns	ns	ns	ns	ns
22	22UME023	920422114011	KIRUBAJI.T.S	ts	ts	ts	ts	ts	ts
23	22UME024	920422114019	SOLEESWARAN.R	rs	rs	rs	rs	rs	rs
24	22UME025	920422114005	BALAJI.S	bs	bs	bs	bs	bs	bs
25	22UME026	920422114018	SIVAKANNAN.S	ss	ss	ss	ss	ss	ss
26	22UME027	920422114012	MANIKANDAN.G	mg	mg	mg	mg	mg	mg
27	22UME028	920422114305	VISHWAMARUDHU.K	vk	vk	vk	vk	vk	vk
28	22UME029	920422114303	KISHORE VIKRAM.N	vn	vn	vn	vn	vn	vn
29	22UME030	920422114304	THANGAVELPANDIAN.P	pt	pt	pt	pt	pt	pt
30	22UME031	920422114301	ARAVIND KUMAR.S	sa	sa	sa	sa	sa	sa
31	22UME032	920422114302	HARI BALAJI.L	hl	hl	hl	hl	hl	hl

Coordinators

HOD/Mech

**Department of Mechanical Engineering**

Title of the Program : Value Added Course on "CAD using UG - NX"

Date: 13.02.2024 to 19.02.2024

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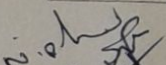
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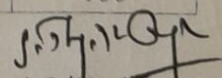
Conducted by : CIPET, Madurai

Venue : KCER-MECH-CAD Lab

**Attendance Statement**

S. No.	Roll Number	Register Number	Student Name	Attendance Percentage
1	22UME001	920422114014	MURUGAN.J	100
2	22UME002	920422114013	MARIA REENALDIN.G	75
3	22UME003	920422114020	SUBAN KUMAR.P	100
4	22UME004	920422114022	SURENDAR KUMAR.M	100
5	22UME005	920422114025	VIGNESHWAR.S	100
6	22UME006	920422114002	ABINASH.T	100
7	22UME007	920422114007	GOWTHAM.A	100
8	22UME008	920422114021	SUDHARSHAN.V.G	100
9	22UME009	920422114010	KARUPPASAMY.S	100
10	22UME010	920422114023	VELMURUGAN.M	100
11	22UME011	920422114004	AVINESH.T	100
12	22UME012	920422114015	NAVEEN.N.M	75
13	22UME013	920422114006	DHANUSH.R.K	75
14	22UME014	920422114001	AATHI.V	100
15	22UME016	920422114026	VIJAYAN.S.P	100
16	22UME017	920422114008	GURU PRAVEEN.D	75
17	22UME018	920422114017	PARAMASIVAN.B	100
18	22UME019	920422114024	VIGNESH.B	75
19	22UME020	920422114003	ANIKET LAKRA	100
20	22UME021	920422114009	KARTHIK.M	100
21	22UME022	920422114016	NAVEEN SARATHI.V	75
22	22UME023	920422114011	KIRUBAJI.T.S	100
23	22UME024	920422114019	SOLEESWARAN.R	100
24	22UME025	920422114005	BALAJI.S	100
25	22UME026	920422114018	SIVAKANNAN.S	100
26	22UME027	920422114012	MANIKANDAN.G	100
27	22UME028	920422114305	VISHWAMARUDHU.K	100
28	22UME029	920422114303	KISHORE VIKRAM.N	100
29	22UME030	920422114304	THANGAVELPANDIAN.P	100
30	22UME031	920422114301	ARAVIND KUMAR.S	100
31	22UME032	920422114302	HARI BALAJI.L	100

  
 Coordinators

  
 HoD/Mech

सेन्दुरल इन्स्टिट्यूट ऑफ पेट्रोकेमिकल्स  
इंजीनियरिंग & टेक्नॉलाजी (सिपेट)  
(पूर्व सेन्दुरल इन्स्टिट्यूट ऑफ प्लास्टिक्स इंजीनियरिंग & टेक्नॉलाजी (सिपेट))  
सेन्टर फॉर स्किलिंग & टेक्निकल सपोर्ट (सी एस टी एस)

रसायन एवं पेट्रोसायन विभाग  
रसायन एवं उर्वरक मंत्रालय, भारत सरकार  
थिरुवादावूर, मधुरै - 625 110.

फोन : 0452-2424277

ई-मेल : atpdc.madurai@cipet.gov.in

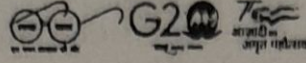
ई-मेल : atpdc.cipetmdu@gmail.com

वेबसाइट : www.cipet.gov.in

मुख्यालय : सिपेट, गिण्डी, चेन्नै - 600 032.



सिपेट CIPET



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

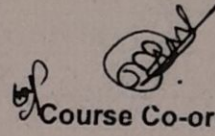
E-mail : atpdc.madurai@cipet.gov.in

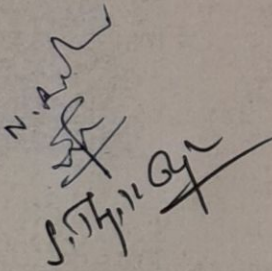
E-mail : atpdc.cipetmdu@gmail.com

Web : www.cipet.gov.in

Head office : CIPET, Guindy, Chennai - 600 032

S.No	STUDENT'S NAME	ATTENDANCE %	MARKS		Total Marks (100)
			Written Test (20)	NX 3D Modelling (80)	
24	V.G.SUDHARSHAN	100	10	77	87
25	M.SURENDAR KUMAR	100	10	76	86
26	P.THANGAVELPANDIAN	100	14	76	90
27	M.VELMURUGAN	100	6	77	83
28	B.VIGNESH	75	14	70	84
29	S.VIGNESHWAR	100	12	76	88
30	S.P.VIJAYAN	100	12	74	86
31	K.VISWAMARUDHU	100	10	70	80

  
Course Co-ordinator



केन्द्र : अहमदाबाद, अमृतसर, औरंगाबाद, अगरतला, बही, बालासोर, बेंगलूरु, भावनगर, भगलपूर, भुवनेश्वर, भोपाल, चन्द्रपुर, चेन्नई, देहरादून, दिल्ली, गुवाहाटी, ग्वालियर, हैदराबाद, हाजीपुर, हल्दिया, इम्फाल, जयपुर, कोच्चि, कोरबा, लखनऊ, मधुरै, मुश्थल, मैसूरु, नवसारी, परदीप, पालकाड, रायपुर, रांची, तमोत, वलसाड, विजयवाडा एवं वारणासी  
Centres : Ahmedabad, Amritsar, Aurangabad, Agartala, Baddi, Balasore, Bengaluru, Bhavnagar, Bhagalpur, Bhuvaneshwar, Bhopal, Chandrapur, Chennai, Dehradun, Delhi, Guwahati, Gwalior, Hyderabad, Hajipur, Haldia, Imphal, Jaipur, Kochi, Korba, Lucknow, Madurai, Murthal, Mysuru, Navsari, Paradip, Palakkad, Raipur, Ranchi, Tamot, Valsad, Vijayawada & Varanasi

**Department of Mechanical Engineering**

Title of the Program : Value Added Course on "CAD using UG - NX"

Date: 13.02.2024 to 19.02.2024

Participants : II year (2022 – 2026 Batch)

Academic Year: 2023 – 2024 EVEN

Conducted by : CIPET, Madurai

Venue : KCER-MECH-CAD Lab

**Mark Statement**

S. No.	Roll Number	Register Number	Student Name	Total Marks
1	22UME001	920422114014	MURUGAN.J	88
2	22UME002	920422114013	MARIA REENALDIN.G	93
3	22UME003	920422114020	SUBAN KUMAR.P	88
4	22UME004	920422114022	SURENDAR KUMAR.M	86
5	22UME005	920422114025	VIGNESHWAR.S	88
6	22UME006	920422114002	ABINASH.T	88
7	22UME007	920422114007	GOWTHAM.A	90
8	22UME008	920422114021	SUDHARSHAN.V.G	87
9	22UME009	920422114010	KARUPPASAMY.S	87
10	22UME010	920422114023	VELMURUGAN.M	83
11	22UME011	920422114004	AVINESH.T	89
12	22UME012	920422114015	NAVEEN.N.M	88
13	22UME013	920422114006	DHANUSH.R.K	93
14	22UME014	920422114001	AATHI.V	94
15	22UME016	920422114026	VIJAYAN.S.P	86
16	22UME017	920422114008	GURU PRAVEEN.D	94
17	22UME018	920422114017	PARAMASIVAN.B	84
18	22UME019	920422114024	VIGNESH.B	84
19	22UME020	920422114003	ANIKET LAKRA	91
20	22UME021	920422114009	KARTHIK.M	88
21	22UME022	920422114016	NAVEEN SARATHI.V	87
22	22UME023	920422114011	KIRUBAJI.T.S	91
23	22UME024	920422114019	SOLEESWARAN.R	88
24	22UME025	920422114005	BALAJI.S	86
25	22UME026	920422114018	SIVAKANNAN.S	87
26	22UME027	920422114012	MANIKANDAN.G	88
27	22UME028	920422114305	VISHWAMARUDHU.K	80
28	22UME029	920422114303	KISHORE VIKRAM.N	89
29	22UME030	920422114304	THANGAVELPANDIAN.P	90
30	22UME031	920422114301	ARAVIND KUMAR.S	96
31	22UME032	920422114302	HARI BALAJI.L	93

*[Signature]*  
Coordinators

*[Signature]*  
HoD/Mech

*[Signature]*  
Dean Academics

# Feedback Form | CAD using UG - NX | II Year | Value Added Course

**Title of the Program** : Value added course for "IoT"  
**Participants** : II - year students  
**Date** : 13.02.2024 to 19.02.2024  
**Conducted by** : CIPET, Madurai

**Coordinators:**  
 Dr. Muthunatarajan S, AP/Mech  
 Madhan N R, AP/Mech,

**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. \*

☆ ☆ ☆ ☆

*approved*  
*S. Thyagarajan*

*Madhan*

Review: Feedback Form | CAD using UG - NX | II Year | Value Added Course

Respondent

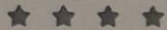
1

NAVEEN.N.M

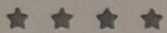
02:22

Time to complete

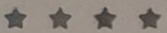
1. The objectives of the training were clearly defined by the Co-ordinator \* Score / 0 pts



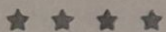
2. Participation and interaction were encouraged. \* Score / 0 pts



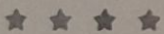
3. The topics covered were relevant to me. \* Score / 0 pts



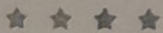
4. The content was organized and easy to follow. \* Score / 0 pts



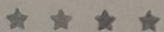
5. This training experience will be useful me. \* Score / 0 pts



6. The trainer was knowledgeable about the training topics. \* Score / 0 pts



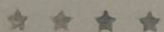
7. The trainer was well prepared. \* Score / 0 pts



8. The trainer was well prepared. \* Score / 0 pts



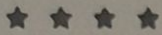
9. The training objectives were met. \* Score / 0 pts





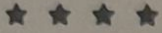
10. The training objectives were met. \*

Score / 0 pts



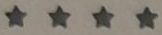
11. The time allotted for the training was sufficient \*

Score / 0 pts



12. The HOP Lab were adequate and comfortable. \*

Score / 0 pts



Your view about this programme

13. What did you like most about this training? \*

Score / 0 pts

The way they trained us and clarify our doubts

14. What aspects of the training could be improved? \*

Score / 0 pts

All fine

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

Score / 0 pts

I trained nx in my computer further this vac

16. Please share over all comments about this programme. \*

Score / 0 pts

All are good  
Add more vac like this

17. Do you suggest this programme to your juniors \*

Score / 0 pts

Yes

No

N.A.  
[Handwritten signature]

[Handwritten signature]

Review: Feedback Form | CAD using UG - NX | II Year | Value Added Course

Respondent

6

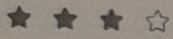
NAVEEN SARATHIV

02:32

Time to complete

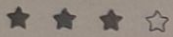
1. The objectives of the training were clearly defined by the Co-ordinator \*

Score / 0 pts



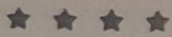
2. Participation and interaction were encouraged. \*

Score / 0 pts



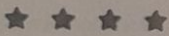
3. The topics covered were relevant to me. \*

Score / 0 pts



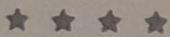
4. The content was organized and easy to follow. \*

Score / 0 pts



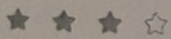
5. This training experience will be useful me. \*

Score / 0 pts



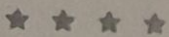
6. The trainer was knowledgeable about the training topics. \*

Score / 0 pts



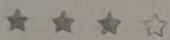
7. The trainer was well prepared. \*

Score / 0 pts



8. The trainer was well prepared. \*

Score / 0 pts



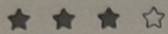
9. The training objectives were met. \*

Score / 0 pts



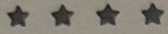
10. The training objectives were met. \*

Score / 0 pts



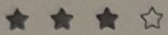
11. The time allotted for the training was sufficient \*

Score / 0 pts



12. The HOP Lab were adequate and comfortable. \*

Score / 0 pts



### Your view about this programme

13. What did you like most about this training? \*

Score / 0 pts

The trainers approaches

14. What aspects of the training could be improved? \*

Score / 0 pts

Improve my designing skill

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

Score / 0 pts

To assemble and part diagram of machines

16. Please share over all comments about this programme. \*

Score / 0 pts

Nil

17. Do you suggest this programme to your juniors \*

Score / 0 pts

Yes

No

Review: Feedback Form | CAD using UG - NX | II Year | Value Added Course

Respondent

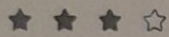
11

VIJAYAN.S.P

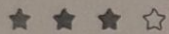
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Time to complete

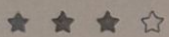
1. The objectives of the training were clearly defined by the Co-ordinator \* Score / 0 pts



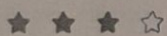
2. Participation and interaction were encouraged. \* Score / 0 pts



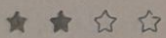
3. The topics covered were relevant to me. \* Score / 0 pts



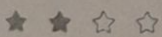
4. The content was organized and easy to follow. \* Score / 0 pts



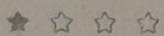
5. This training experience will be useful me. \* Score / 0 pts



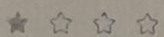
6. The trainer was knowledgeable about the training topics. \* Score / 0 pts



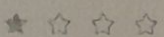
7. The trainer was well prepared. \* Score / 0 pts



8. The trainer was well prepared. \* Score / 0 pts

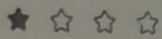


9. The training objectives were met. \* Score / 0 pts



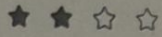
10. The training objectives were met. \*

Score / 0 pts



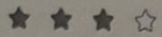
11. The time allotted for the training was sufficient \*

Score / 0 pts



12. The HOP Lab were adequate and comfortable. \*

Score / 0 pts



Your view about this programme

13. What did you like most about this training? \*

Score / 0 pts

else

14. What aspects of the training could be improved? \*

Score / 0 pts

else

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

Score / 0 pts

else

16. Please share over all comments about this programme. \*

Score / 0 pts

ok not bad

17. Do you suggest this programme to your juniors \*

Score / 0 pts

- Yes
- No

### Feedback Form | CAD using UG - NX | II Year | Value Added Course

Send reminder to people who have not responded.

Remind them

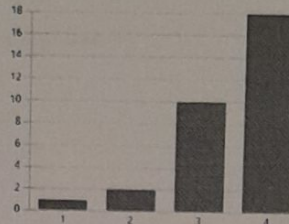
31 Responses

05:16 Average time to complete

Active Status

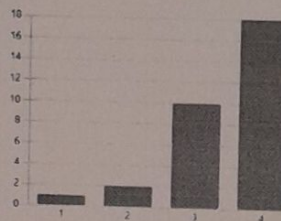
1. The objectives of the training were clearly defined by the Co-ordinator. (0 point)

3.45  
Average Rating



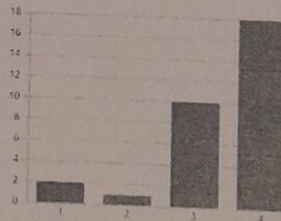
2. Participation and interaction were encouraged. (0 point)

3.45  
Average Rating



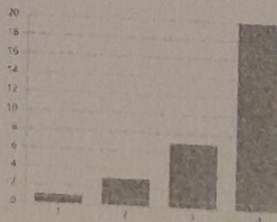
3. The topics covered were relevant to me. (0 point)

3.42  
Average Rating



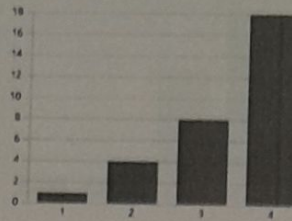
4. The content was organized and easy to follow. (0 point)

3.48  
Average Rating



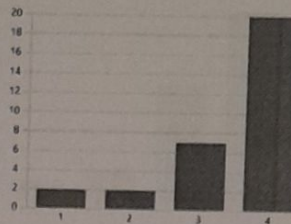
5. This training experience will be useful me. (0 point)

3.39  
Average Rating



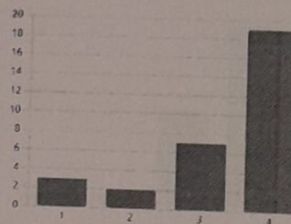
6. The trainer was knowledgeable about the training topics. (0 point)

3.45  
Average Rating



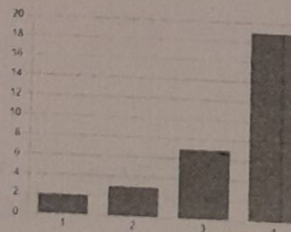
7. The trainer was well prepared. (0 point)

3.35  
Average Rating



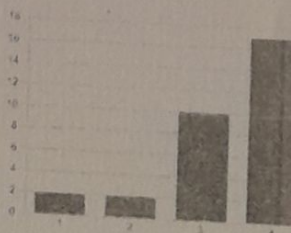
8. The trainer was well prepared. (0 point)

3.39  
Average Rating



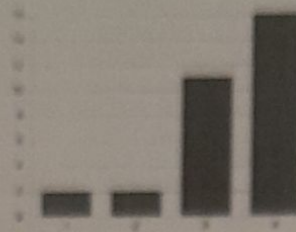
9. The training objectives were met. (0 point)

3.35  
Average Rating



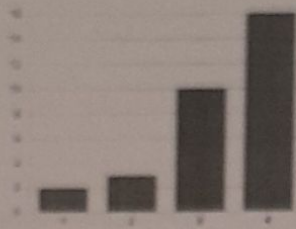
10. The learning objectives were met. (5 point)

3.32  
Average Rating



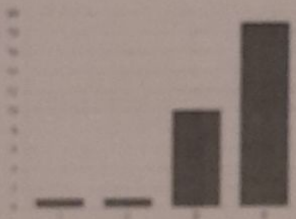
11. The time allotted for the training was sufficient. (5 point)

3.29  
Average Rating



12. The HOP Lab were adequate and comfortable. (5 point)

3.52  
Average Rating

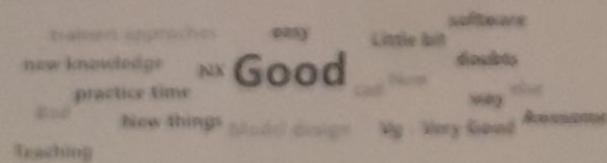


13. What did you like most about the training? (5 point)

31  
Responses

- Very Impressive
- Impressive
- Impressive
- Impressive

14. Expansion: (20%), answer based on the question





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

31 Responses

Latest Responses  
"Learning"  
"Teaching skills"  
"Knowledge"

Update

10 respondents (34%) answered Good for this question

Design Real time course duration Yes  
train Not improved time exercise Nice  
fine designing skill Vg Good Improving a software  
explanation about the concept else Knowledge Concentration  
Trainer coaching

15. How do you hope to change your practice as a result of this training? (0 point)

31 Responses

Latest Responses  
"Knowledge"  
"Yes"  
"Good"

Update

11 respondents (38%) answered Good for this question

Practicing and practicing Hardwork  
Yes new bad  
Vg topic vac Good diagram of machines  
average computer well else Need improvement industries  
n't something new

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

31 Responses

Latest Responses  
"It is a nice program"  
"It was nice programme to improve our skills"  
"Good"

Update

14 respondents (48%) answered good for this question

Exellent shoud convey nice knowledge about his lot Excellent  
able new experience  
uncomfortable program good new new things not bad  
proper u give training Nil need better coaching  
Vg need Arrangement of program

17. Do you suggest this programme to your juniors (0 point)

Yes 26  
No 5



More no of students  
are give positive response.  
So we will re connect this  
course in up coming semester.

N.R.  
02/05/2024  
3/1/24

**Department of Mechanical Engineering**

**Title of the Program : Value Added Course on "CAD using UG - NX"**

**Date: 13.02.2024 to 19.02.2024**

**Participants : II year (2022 – 2026 Batch)**

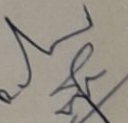
**Academic Year: 2023 – 2024 EVEN**

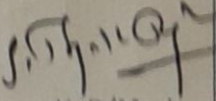
**Conducted by : CIPET, Madurai**

**Venue : KCER-MECH-CAD Lab**

**Summary Report**

Date	Description
13.02.2024	The program commenced with a formal inauguration ceremony, setting the stage for an enriching learning journey. Students delved into the intricacies of sketching mode, actively engaging in practice sessions to refine their skills and deepen their understanding of the subject matter.
14.02.2024	Under the guidance of experts from CIPET in Madurai, students engaged in a comprehensive learning experience focused on the part diagram mode. They practiced utilizing all the available tools, gaining valuable hands-on experience and honing their skills in the process.
15.02.2024	Madhan.N.R, Assistant Professor in Mechanical Engineering, and Dr. Muthunatarajan.S, also an Assistant Professor in Mechanical Engineering, led a hands-on NX-CAD practical laboratory session, providing students with valuable insights and expertise.
16.02.2024	Under the guidance of seasoned professionals from CIPET in Madurai, students delved into the intricacies of the Assembly diagram mode, gaining invaluable knowledge and practical skills.
17.02.2024	Madhan.N.R, Assistant Professor in Mechanical Engineering, and Dr. Muthunatarajan.S, also an Assistant Professor in Mechanical Engineering, orchestrated a practical laboratory session focused on NX-CAD assembly diagram. This hands-on experience provided students with invaluable insights and practical skills under their expert guidance.
19.02.2024	Under the guidance of experts from CIPET in Madurai, students delved into the intricacies of simulation and analysis within NX-CAD. They were assessed through examinations, ensuring a comprehensive understanding of the subject matter under expert supervision.

  
 Coordinators

  
 HoD/Mech

# **KAMARAJ**

**COLLEGE OF ENGINEERING & TECHNOLOGY**



(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 Mechanical Engineering**

(Accredited by NBA, New Delhi)

in association with

*CIPET, Madurai*

Organizes

Value added course on

**CAD using Unigraphics - NX**

*13.02.2024 to 19.02.2024*

**Venue: Mechanical CAD Lab - KCET**



*N.R. Madhan*  
*Dr. S. Muthu Natarajan*  
**Coordinators: Mr.N.R.Madhan AP/Mech**

**Dr.S.Muthu Natarajan AP/Mech**

## Request for Value Added Course | NX - CAD

Madhan.N.R &lt;madhanmech@kamarajengg.edu.in&gt;

Sat 1/20/2024 4:30 PM

To: CIPET CSTS Madurai <atpdc.madurai@cipet.gov.in>; atpdc.cipetmdu@gmail.com <atpdc.cipetmdu@gmail.com>;  
mce\_radhakrishnan@yahoo.co.in <mce\_radhakrishnan@yahoo.co.in>  
Cc: HODMECH <hodmech@kamarajengg.edu.in>; MUTHU NATARAJAN.S <muthunatarajanmech@kamarajengg.edu.in>

Dear sir,

**Greetings from Kamaraj College of Engineering and Technology, an Autonomous Institution.**

We are offering 9 courses and located near Virudhunagar.

In our curriculum, students may be additionally take 2 credits (**minimum 30 hours**) from value added course in his studies. It will be added in the overall mark statement.

In the **Department of Mechanical Engineering**, 31 students are studying in II year. They already studied Engineering Graphics in II year curriculum.

As per the Industrial needs, students also need the **NX-CAD** for better enhancement in this field.

I kindly request you to share the course details and quotation for this course. Tentative day fixed by Dean (Academics courses) is **February 5<sup>th</sup> to 9<sup>th</sup> 2024**.

I am looking forward to see your acceptance mail with lowest quote and course details.

With Regards,  
Madhan N R,  
Assistant Professor,  
Mechanical Department,


**KAMARAJ**

College of Engg and Tech,  
Virudhunagar.  
9894949848

N.R.  
1.5.24



IRN : 8e44bc10c97ac23a3f204411e2a35ea05-0c9e0e2cf985942cc6d0899dbfe7745  
 Ack No. : 152417154214809  
 Ack Date: 21-Feb-24

 CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECH CENTRE FOR SKILLING AND TECHNICAL SUPPORT (CSTS) THIRUVADAVUR ROAD, THIRUVADAVUR, MADURAI-625110 GSTIN/UIN: 33AAAAC0606R3ZU State Name : Tamil Nadu, Code : 33	Invoice No.	Dated
	MD/OH/23-24/022	21-Feb-24
Consignee (Ship to) Kamaraj College of Engineering and Technology 5/279, ADMINISTRATIVE BLOCK, EAST STREET K VELLAKULAM, KALLIGUDI P O, THIRUMANGALAM TALUK, Madurai GSTIN/UIN : 33AAATK1431B1ZH State Name : Tamil Nadu, Code : 33	Delivery Note	Mode/Terms of Payment
Buyer (Bill to) Kamaraj College of Engineering and Technology 5/279, ADMINISTRATIVE BLOCK, EAST STREET K VELLAKULAM, KALLIGUDI P O, THIRUMANGALAM TALUK, Madurai GSTIN/UIN : 33AAATK1431B1ZH State Name : Tamil Nadu, Code : 33	Reference No. & Date.	Other References
	NOTE dt. 13-Feb-24	NOTE
	Buyer's Order No.	Dated
	LETTER	20-Jan-24
	Dispatch Doc No.	Delivery Note Date
	Dispatched through	Destination
	Terms of Delivery	

Sl No	Description of Services	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
1	CAD/CAM STC FEES VALUE ADDED COURSE ON CAD USING UG NX 13.02.24 TO 19.02.24	998393	31 nos	2,000.00	nos		62,000.00
							CGST
							5,580.00
							SGST
							5,580.00
Total			31 nos				₹ 73,160.00

Amount Chargesble (in words) Indian Rupees Seventy Three Thousand One Hundred Sixty Only E & O.E

HSN/SAC	Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax Amount
998393	62,000.00	9%	5,580.00	9%	5,580.00	11,160.00
<b>Total</b>	<b>62,000.00</b>		<b>5,580.00</b>		<b>5,580.00</b>	<b>11,160.00</b>

Tax Amount (in words) : Indian Rupees Eleven Thousand One Hundred Sixty Only

Company's PAN : AAAAC0606R  
 Declaration : We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.  
 Company's Bank Details :  
 A/c Holder's Name : CIPET-CSTS, MADURAI  
 Bank Name : Indian Overseas Bank A/c -CD 1419  
 A/c No. : 166302000001419  
 Branch & IFS Code : THIRUVADAVUR & IOBA0001005  
 for CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TEC

*P. S. Srinivasan*

**From:** CIPET MADURAI  
**Sent:** 20 January 2024 17:58  
**To:** Madhan.N.R  
**Cc:** HODMECH; DEAN-ACADEMIC; atpdc cipet  
**Subject:** Request for Value Added Course | NX - CAD

CIPET/CSTS/MDU/CAD/Proposal/2023-24

January 20, 2024

To

Mr. Madhan N.R  
Assistant Professor  
Department of Mechanical Engineering,  
Kamaraj College of Engineering and Technology  
Virudhunagar.

Dear Sir,

*Greetings from CIPET: CSTS, Madurai!!!*

Sub: Value added course On "CAD using Unigraphics- NX" to your Students – Reg.

With reference to the above cited subject, based on your request we are pleased to organize a value added course On "CAD using Unigraphics- NX" for 31 Nos. of your II Year Mechanical Engineering students. The details of the proposal is as follows:

1	Name of the College / Person requiring the Training	Kamaraj College of Engineering and Technology
2	Reference	Request E-mail received from HOD (Mech. department) dated Saturday, 20 January, 2024 at 04:30:31 pm IST
3	Address & Contact details	Kamaraj College of Engineering and Technology Virudhunagar Mob: 9894949848
4	Proposed Skill Development Training	Value added Course On "CAD using Unigraphics- NX"
5	Proposed No. of Participants	31 Nos.
6	Course Coordinator	Mr.P.Radhakrishnan Sr. Technical Officer Mob: 9941404804
7	Duration of training Programme	40 Hrs (5 Days /8 Hrs. per day)
8	Proposed Date of Programme	Tentatively from February 5 <sup>th</sup> to 9 <sup>th</sup> 2024
9	Venue	CIPET:CSTS, Madurai Tool room Dept.
10	Course Fee per Participant	Rs.2,500/- + GST @18% extra
11	GST@18%	Rs.450/-
12	Total Course fee per Participant	Rs.2950/-
13	Mode of Payment	Through NEFT /RTGS to CIPET :CSTS, Madurai

20/1  
[Handwritten signatures]

		Bank Name : Indian Overseas Bank Account No: 166302000001419 IFSC Code: IOBA0001005 MICR Code: 625020029
14	Payment Terms	100% Advance payment before commencement of the training program.
15	Course content	Detail Course Contents attached in Annexure-I
16	Course material form	Pdf Soft copy will be provided.
17	Food & Hostel Accommodation	Separate Hostel facilities available for boys & girls at extra nominal cost Rs. 250/- per day
18	Certification	Certificate (Hard copy) will be awarded

We are happy to associate with you by the way of imparting Training to your Students and your confirmation in this regard is earnestly solicited.

With best regards,

Yours sincerely,

Director & Head  
CIPET:CSTS, Madurai

----- Forwarded message -----

From: radha krishnan <mce\_radhakrishnan@yahoo.co.in>  
Date: Sat, 20 Jan 2024 at 16:55  
Subject: Fw: Request for Value Added Course | NX - CAD  
To: CAD/CAM CIPET MADURAI <cad.cipetmdu@gmail.com>

----- Forwarded message -----

From: Madhan.N.R <madhanmech@kamarajengg.edu.in>  
To: CIPET CSTS Madurai <atpdc.madurai@cipet.gov.in>; atpdc.cipetmdu@gmail.com  
<atpdc.cipetmdu@gmail.com>; mce\_radhakrishnan@yahoo.co.in  
<mce\_radhakrishnan@yahoo.co.in>