

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,



Virudhunagar.

COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution - AFFILATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.C. Nagar, K. Vellakulam – 625 701 (Near 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 - Creating Circular Arrays Using 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

Coordinators

HoD/Mech



Department of Mechanical Engineering

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

Participants : II year (2022 – 2026 Batch)

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Conducted by : CIPET, Madurai

Venue : KCER-MECH-CAD Lab

Value Added Course Outcome

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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.

HoD/Mech

COLLEGE OF ENGINEERING & TECHNOLO (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** 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 Approval of Board of Study Meeting Mode: hybrid mode

Board of Study Meeting: VI

Date & Timing: 11.03.2023 & 10.00 AM

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

Description	Suggestions / Comments from the BoS Members
Anna University New Amendment	Dr.S. Thangakasirajan, AP/Mech Presented the
(Honours / Honours in same	new amendment given by Anna University.
discipline / Minor)	Bos members accepted the amendments.
Pass Percentage of students	Dr.B. Balavairavan, AP/Mech Presented the
	Pass percentage year wise and course wise.
	Bos members accepted the results.
Value Added Courses offered/	Mr. N.R. Madhan, AP/Mech Presented the
Planned for the academic year:	Value-added course planned for the academic
2023 - 2024	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, NX CAD, CATIA and
	SolidWorks.
	Anna University New Amendment (Honours / Honours in same discipline / Minor) Pass Percentage of students Value Added Courses offered/ Planned for the academic year:

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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	:	 Three Member Committee Members Dr. S. Thanga Kasi Rajan, ASP& HoD/Mech Er.R.Sakthivel Murugan, AP/Mech Er. N.R. Madhan, AP/Mech Chairperson Dr.S.Muthu Natarajan, AP/Mech Co-ordinators Er. N.R. Madhan, AP/Mech Dr.S.Muthu Natarajan, AP/Mech Dr.S.Muthu Natarajan, AP/Mech Class representative (2021 – 2025 Batch) Mr. Naveen N.M. (22UME012), II Year/ Student Mr. Naveen Sarathi.V (22UME022), II Year/ Student Mr. Kishore Vikram.N (22UME029), II Year/ Student 					
Minutes of the Meeting	:	 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. Meeting started by 09.10 AM. Dr. S. Thanga Kasi Rajan, Associate Professor & Head of the Department, welcome the gathering. He has advised to maintain SOP for value added course. Er. N. R. Madhan, Assistant Professor & Value added course incharge has proposed course offered by CIPET, Madurai, offering CAD Using Unigraphics - NX. 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. Justification for the Courses selection: The justification for the course selection were as follows i. These courses will be useful for their project work ii. It is a 45-hour courses (2 Credits) iii. These courses are useful to meet the Industrial Needs iv. These courses are in emerging areas. 					



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

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

Chairperson Dr. S.Muthu Natarajan AP/Mech

HoD/Mech

Dean Academics



Department of Mechanical Engineering

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

Participants : II year (2022 – 2026 Batch)

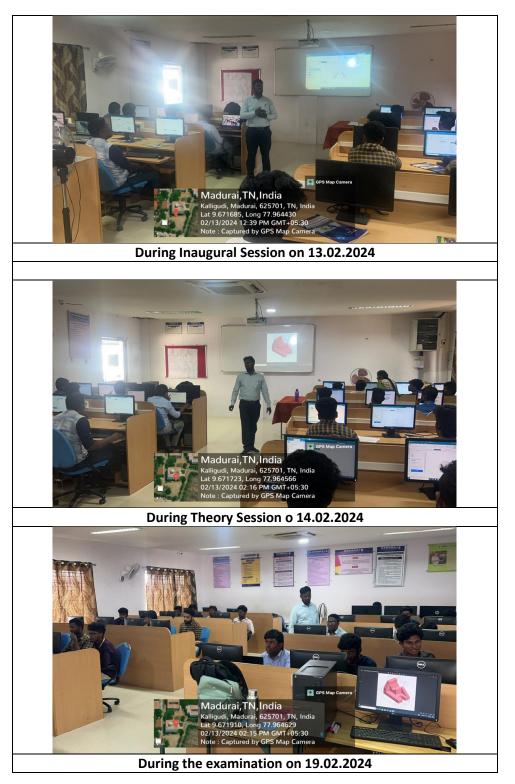
Date: 13.02.2024 to 19.02.2024

Academic Year: 2023 – 2024 EVEN

Conducted by : CIPET, Madurai

Venue : KCER-MECH-CAD Lab

Photo Proof



Coordinators

HoD/Mech

Date: 14.03.2024 COURSECOORDINATOR ALMING I/C - VTC CENTRE HEA	Organized at KCET, VIRVDHVNAGAR. from	Value Added Course On CAD Using UG-NX	Slo I Dlo I Woon Slow M.KUMAR	This is to certify that Skri Smt. Ms	CERTIFICATE / प्रमाणपत्र	CENTRE:	CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY (CIPET) केंद्रीय पेट्रोरसायन अभियांत्रिकी एवं प्रौद्योगिकी संस्थान (सिपेट) (Formerly Central Institute of Plastics Engineering & Technology) CIPET के र LEAD OFFICE : GUINDY, CHENNAI - 600 032.
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CENTRE: MADURAI Certificate No.: A 173744
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This is to certify that Shri Smt. Ms
P.SENTHIL KUMAR
has successfully completed the training programme titled
Value Added Course On CAD Using UG-NX
Organized at KCET, VIRUDHUNAGAR, from
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CIPET) 173746 19.02.2024 (4 Days) CENTRE HEAD

Date: 14.03.2024 COURSE COORDINATOR ANNO IC - VTC CENTRE HEAD	Value Added Course On CAD Using UG-NX Organized at KCET, VIRUDHUNAGAR, from 13.02.2024 13.02.2024 (4.Davs)	Slo I Dlo Work M.RAJESH KANNAN has successfully completed the training programme titled	Skril Smt. Ms. R.K.DHANUSH	CENTRE: MADURAI CENTRE: MADURAI CERTIFICATE / קאדעעקא CERTIFICATE / קאדעעקא	CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY (CIPET)केंद्रीय पेट्रोरसायन अभियांत्रिकी एवं प्रौद्योगिकी संस्थान (सिपेट)केंद्रीय पेट्रोरसायन अभियांत्रिकी एवं प्रौद्योगिकी संस्थान (सिपेट)(Formerly Central Institute of Plastics Engineering & Technology)(Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers, Govt. of India)HEAD OFFICE : GUINDY, CHENNAI - 600 032.
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CENTRE: MADURAI Certificate No.: A 173750
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CENTRE: MADURAI Certificate No.: A 173763
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CENTRE:MADURAI Certificate No.: A 173768
CERTIFICATE / प्रमागपत्र
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(Formerly Central Institute of Plastics Engineering & Technology) (Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers, Govt. of India) HEAD OFFICE : GUINDY, CHENNAI - 600 032.
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Date: 14.03.2024 COURSECOORDINATOR TRAINING I/C - VTC CENTRE HEAD

COLLEGE OF ENGINEERING & TECHNOLOGY COLLEGE OF ENGINEERING & TECHNOLOGY (An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNA) S.P.G.C. Nagar, K.Veliakulam - 0425 701 (Near VIRUDHUNAGAR).

Department of Mechanical Engineering

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Participants : II year (2022 – 2026 Batch)

Date: 13.02.2024 to 19.02.2024

Academic Year: 2023 – 2024 EVEN

Conducted by : CIPET, Madurai

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						
2	22UME002	920422114013	MARIA REENALDIN.G						
3	22UME003	920422114020	SUBAN KUMAR.P						
4	22UME004	920422114022	SURENDAR KUMAR.M						
5	22UME005	920422114025	VIGNESHWAR.S						
6	22UME006	920422114002	ABINASH.T						
7	22UME007	920422114007	GOWTHAM.A						
8	22UME008	920422114021	SUDHARSHAN.V.G						
9	22UME009	920422114010	KARUPPASAMY.S						
10	22UME010	920422114023	VELMURUGAN.M						
11	22UME011	920422114004	AVINESH.T						
12	22UME012	920422114015	NAVEEN.N.M						
13	22UME013	920422114006	DHANUSH.R.K						
14	22UME014	920422114001	AATHI.V						
15	22UME016	920422114026	VIJAYAN.S.P						
16	22UME017	920422114008	GURU PRAVEEN.D						
17	22UME018	920422114017	PARAMASIVAN.B						
18	22UME019	920422114024	VIGNESH.B						
19	22UME020	920422114003	ANIKET LAKRA						
20	22UME021	920422114009	KARTHIK.M						
21	22UME022	920422114016	NAVEEN SARATHI.V						
22	22UME023	920422114011	KIRUBAJI.T.S						
23	22UME024	920422114019	SOLEESWARAN.R						
24	22UME025	920422114005	BALAJI.S						
25	22UME026	920422114018	SIVAKANNAN.S						
26	22UME027	920422114012	MANIKANDAN.G						
27	22UME028	920422114305	VISHWAMARUDHU.K						
28	22UME029	920422114303	KISHORE VIKRAM.N						
29	22UME030	920422114304	THANGAVELPANDIAN.P						
30	22UME031	920422114301	ARAVIND KUMAR.S						
31	22UME032	920422114302	HARI BALAJI.L						

Coordinators

HoD/Mech



Department of Mechanical Engineering

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

Participants : II year (2022 – 2026 Batch)

Date: 13.02.2024 to 19.02.2024 Academic Year: 2023 – 2024 EVEN

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

सेन्टल इंस्टिट्यूट ऑफ पेट्रोकेमिकल्स इंजीनियरिंग & टेक्नॉलाजी (सिपेट)

{यूर्व सेन्ट्रल इंस्टिट्यूट ऑफ प्लास्टिक्स इंजीनियरिंग & टेक्नॉलाजी (सिपेट)} सेन्टर फॉर स्किलिंग & टेक्निकल सपोर्ट (सी एस टी एस)

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





TRAL 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

	VALUE ADDED COURSE ASSESSMENT REPORT
TOPIC	: VAC On CAD USING UG-NX
COLLEGE NAME	: KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY(KCET)
VENUE	: KCET Campus, VIRUDHUNAGAR.
DEPARTMENT	: MECHANICAL ENGINEERING

			MA	RKS	Total
S.No	STUDENT'S NAME	ATTENDENCE %	Written Test (20)	NX 3D Modelling (80)	Marks (100)
1	V.AATHI	100	16	78	94
2	T.ABINASH	100	10	78	88
3	ANIKET LAKRA	100	16	75	91
4	S.ARAVIND KUMAR	100	18	78	96
5	T.AVINESH	100	10	79	89
6	S.BALAJI	100	8	78	86
7	R.K.DHANUSH	75	16	77	93
8	A.GOWTHAM	100	12	78	90
9	D.GURU PRAVEEN	75	16	78	94
10	L.HARI BALAJI	100	18	75	93
11	M.KARTHIK	100	10	78	38
12	S.KARUPPASAMY	100	10	77	87
13	T.S.KIRUBAJI	100	14	77	91
14	N.KISHORE VIKRAM	100	14	75	89
15	G.MANIKANDAN	100	15	72	83
16	G.MARIA REENALDIN	75	16	77	03
17	J.MURUCAN	100	13	72	88
13	V.NAVEEN SARATHI	75	12	75	87
19	N.M.NAVEEN	75	10	78	88
20	B.PARAMASIVAN	100	5	78	84
21	S.SIVAKANNAN	100	10	77	87
22	R.SOLEESWARAN	100	10	78	88
23	P.SUBAN KUMAR	1.00	12	76	88

Page 1 of 2

- ः अहमदाबाद, अमृतसर, औरंगाबाद, अगरतला, बद्दी, बालासोर, बेंगलूरु, भावनगर, भगलपूर, भूवनैश्वर, भोपाल, चन्द्रपूर, केन्द्र चेन्नई, देहरादून, दिल्ली, गुवाहाटी, ग्वालियर, हैदराबाद, हाजीपुर, हल्दिया, इम्फाल, जयपुर, कोच्चि, कोरबा, लखनऊ, मधुरै, मुरथल, मैसूरु, नवसारी, परदीप, पालकाड, रायपुर, रांची, तमोत, वलसाड, विजयवाँडा एवं वारणासी
- Centres : Ahmedabad, Amritsar, Aurangabad, Agartala, Baddi, Balasore, Bengaluru, Bhavnagar, Bhagalpur, Bhuvaneswar, 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

सेन्ट्रल इंस्टिट्यूट ऑफ पेट्रोकेमिकल्स इंजीनियरिंग & टेक्नॉलाजी (सिपेट)

{पूर्व सेन्ट्रल इंस्टिट्यूट ऑफ प्लास्टिक्स इंजीनियरिंग & टेक्नॉलाजी (सिपेट)} सेन्टर फॉर स्किलिंग & टेक्निकल सपोर्ट (सी एस टी एस)

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





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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

	STUDENT'S NAME	ATTENDENCE %	MA	Total	
S.No			Written Test (20)	NX 3D Modelling (80)	Marks (100)
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		70	84
29	S.VIGNESHWAR	100	12	76	88
30	S.P.VIJAYAN	100	12	74	86
31	K.VISWAMARUDHU	100	10	74	80

Course Co-ordinator

Page 2 of 2

केन्द्र : अहमदाबाद, अमृतसर, औरंगाबाद, अगरतला, बद्दी, बालासोर, बेंगलूरु, भावनगर, भगलपूर, भुवनेश्वर, भोपाल, चन्द्रपुर, चेन्नई, देहरादून, दिल्ली, गुवाहाटी, ग्वालियर, हैदराबाद, हाजीपुर, हल्दिया, इम्फाल, जयपुर, कोच्चि, कोरबा, लखनऊ, मधुरै, मुरथल, मैसूरु, नवसारी, परदीप, पालकाड, रायपुर, रांची, तमोत, वलसाड, विजयवाडा एवं वारणासी Centres : Ahmedabad, Amritsar, Aurangabad, Agartala, Baddi, Balasore, Bengaluru, Bhavnagar, Bhagalpur, Bhuvaneswar, 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 COLLEGE OF ENGINEERING & TECHNOLOGY (An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI) B.P.G.Chidambara Nadar - C.Nagammal Campus S.P.G.C. Nagar, K.Vellakulam – G25 TOI (Near 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

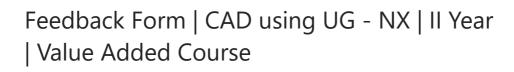
Mark Statement

S. No.	Roll Number	Register Number	Student Name	Total Mark
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

Coordinators

HoD/Mech

Dean Academics



 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. *
 - 값 값 값 값



Review: Feedback Form C	CAD using UG - NX	II Year	Value Added	Course
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Respondent 1 NAVEEN.N.M	02:22 Time to complete	
1. The objectives of the training were clearly defined by the Co-ordinator *	S	core / 0 pts
2. Participation and interaction were encouraged. *	S	core / 0 pts
3. The topics covered were relevant to me. *	S	core / 0 pts
4. The content was organized and easy to follow. *	S	core / 0 pts
 ★ ★ ★ 5. This training experience will be useful me. * 	S	core / 0 pts
 6. The trainer was knowledgeable about the training topics. * 	S	core / 0 pts
The trainer was well propared *	s	core / 0 pts
7. The trainer was well prepared. *	S	γυρις
8. The trainer was well prepared. *	S	core / 0 pts
9. The training objectives were met. *	S	core / 0 pts

10. The training objectives were met. *	Score / 0 pts
\star \star \star	
11. The time allotted for the training was sufficient *	Score / 0 pts
\star \star \star	
12. The HOP Lab were adequate and comfortable. *	Score / 0 pts
\star \star \star	
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	

Review: Feedback Form	CAD using UG - NX	II Year	Value Added	Course
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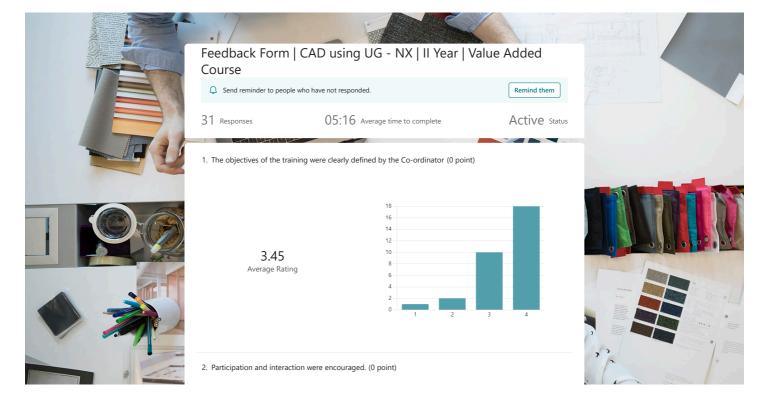
	2:32 to complete
1. The objectives of the training were clearly defined by the Co-ordinator $*$	Score / 0 pts
2. Participation and interaction were encouraged. *	Score / 0 pts
3. The topics covered were relevant to me. *	Score / 0 pts
4. The content was organized and easy to follow. *	Score / 0 pts
5. 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
\star \star \star	

10. The training objectives were met. *	Score / 0 pts
11. The time allotted for the training was sufficient *	Score / 0 pts
\star \star \star	
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 approches	
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	
O No	

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

	Respondent 11 VIJAYAN.S.P	01:26 Time to complete	
1. The objectives of th	e training were clearly defined by the Co-ordina	ator *	Score / 0 pts
2. Participation and in	teraction were encouraged. *		Score / 0 pts
	were relevant to me. *		Score / 0 pts
	ganized and easy to follow. *		Score / 0 pts
5. This training experie	ence will be useful me. *		Score / 0 pts
	wledgeable about the training topics. *		Score / 0 pts
★ ★ ☆ ☆7. The trainer was well	l prepared. *		Score / 0 pts
★ ☆ ☆ ☆ 8. The trainer was well	l prepared. *		Score / 0 pts
★ ☆ ☆ ☆ 9. The training objection	ves 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
\star \star \star \Leftrightarrow	
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	
	Score (Opto
16. Please share over all comments about this programme. *	Score / 0 pts
17. Do you suggest this programme to your juniors *	Score / 0 pts
Yes	
O No	



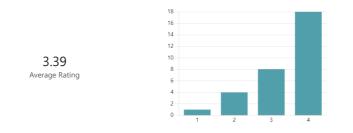
3.45 Average Rating

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

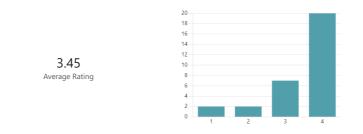
3.42 Average Rating

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)



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



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

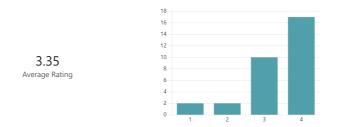
3.35

Average Rating

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

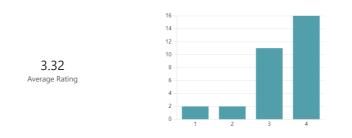
3.39 Average Rating

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

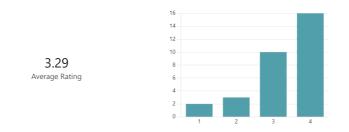


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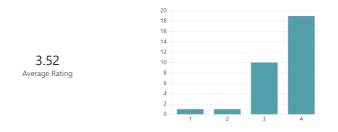
10. The training objectives were met. (0 point)



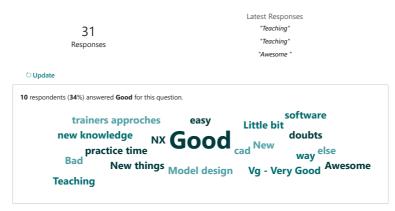
11. The time allotted for the training was sufficient (0 point)



12. The HOP Lab were adequate and comfortable. (0 point)



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



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

		Latest Responses	
	31	"Learning "	
F	lesponses	"Teaching skills"	
		"Knowledge "	
े Update			
10 respondents (34	(\$4%) answered Good for this question.		
Des	ign Bool time	Y	es
train	Real time course duration	time exercise	Nice
	Not improved Vg Good I	mproving a softwa	ro
fine		inproving a sortwa	ie
inic	designing skill		
inic	designing skill	Knowledge Conc	
	designing skill ation about the concept else		

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

21	Latest Responses "Knowledge "		
31 Responses	"Yes" "Good"		
O Update	000		
11 respondents (38%) answered Good for this question.			

			cticing Hardwork
Yes ^{new}	Va topic vac	Good	diagram of machines
average			Need improvement
n't something n	ew	well ^{else}	industries

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

			Late	est Responses	
3	1		"It is	a nice program "	
0	onses	"It	was nice prog	ramme to improve our skill:	s"
				"Good "	
් Update					
14 respondents (48%) a	answered good for this questio	ın.			
Exell able	shoud convey	nice	knowle	dge about his lot	
uncomfortab	ole program	goo	d _{new} r	new things	not bad
proper	Nil			better coaching	
proper	u give training	√g ^{need}	Arrange	ment of program	
17. Do you suggest t	his programme to your jun	iors (0 point))		
Yes	26				
No No	5				

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	
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.



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

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



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

Request for Value Added Course | NX - CAD

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

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 5th to 9th 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 (ORIGINAL FOR RECIPIENT)

e-Invoice



Authorised Signatory

IRN : 8e44bc10c97ac23a3f204411e2a35ea05-0cea0e2cf985942cc6d0899dbfe7745 Ack No. : 152417154214809

Ack Date: 21-Feb-24

- Brank	CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TEC CENTRE FOR SKILLING AND TECHNICAL SUPPORT (CSTS) THIRUVADAVUR ROAD, THIRUVADAVUR,	Invoice No. MD/OH/23-24/022 Delivery Note		21	Dated 21-Feb-24 Mode/Terms of Payment				
	MADURAI-625110 GSTIN/UIN: 33AAAAC0606R3ZU State Name : Tamil Nadu, Code : 33	Reference No. & Date. NOTE dt. 13-Feb-24 Buyer's Order No. LETTER Dispatch Doc No. Dispatched through Terms of Delivery				Other References NOTE Dated 20-Jan-24 Delivery Note Date Destination			
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G	HIRUMANGALAM TALUK, Madurai STIN/UIN : 33AAATK1431B1ZH ate Name : Tamil Nadu, Code : 33								
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SI	Description of	HSN/SAC	Quantity	Rate	per	Disc. %	A	mount	
Nc. 1	Services CAD/CAM STC FEES VALUE ADDED COURSE ON CAD USING UG NA	998393	31 nos	2,000.00	nos		62	2,000.00	
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	Amount (An words) : Indian Rupees Eleven	Thousa Comp A/c Hol Bank A/c N	nd One pany's Ba lder's Name Name lo.	Hundre nk Detai CIPET- Indian O 166302	ls CS1 verse 000	ixty C S, MA as Bar 0014	Only ADU Ik A/0	RAI 5 -CD 1419	
Dec We pri	aration e declare that this involce shows the actu ce of the goods described and that all rticulars are true and correct.		Branch & IFS Code: THIRUVADAVUR & IOBA0001005 for CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TEC						

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

То

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 th to 9 th 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		

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

----- Forwarded message ----- **From:** Madhan.N.R <<u>madhanmech@kamarajengg.edu.in</u>> **To:** CIPET CSTS Madurai <<u>atpdc.madurai@cipet.gov.in</u>>; <u>atpdc.cipetmdu@gmail.com</u> <<u>atpdc.cipetmdu@gmail.com</u>>; <u>mce_radhakrishnan@yahoo.co.in</u> <<u>mce_radhakrishnan@yahoo.co.in</u>>