



MOTHER THERESA INSTITUTE OF ENGINEERING AND TECHNOLOGY



Melumoi (Post), Palamaner-517408.

(Approved by AICTE, New Delhi and Affiliated to JNTUA, Anantapuramu-515002)

(Email: mtieat@gmail.com Website: www.mtieat.com)

[COLLEGE CODE: HR]

DEPARTMENT OF MECHANICAL ENGINEERING

Place: Palamaner,

Date: 13.12.2018

To
The Principal,
MTIET,
Palamaner.

Sub: Organizing Value Added Course for **III B.TECH** students titled
"HYPERMESH" - Req., & Regd.

With the reference to the subject cited above, I bring to your kind notice that to enhance the general skills and enrichment of the curriculum, the department of Mechanical Engineering is organizing a Value Added Course titled, "**HYPERMESH**" for the III B.Tech students during the inter semester break with **minimum duration of 30 hours**. The Program will be conducted from 17.12.2018 to 22.12.2018.

In this connection the undersigned is proposing a request to grant the permission to organize the mentioned course for the third year students.

Please consider with prior hierarchy.

Thanking you,

D. Sree
HOD 13/12/18

HEAD OF THE DEPT.
Mechanical Engineering
Mother Theresa Inst. of Engg. & Tech.,
PALAMANER - 517 408.



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DEPARTMENT OF MECHANICAL ENGINEERING

Ref.: MTIET/ME/VAC/CIR-02

Place: Palamaner,

Date: 14.12.2018.

C I R C U L A R

This is here by informed to all the III B.Tech students that the Department is very glad to organize a Value Added Course to improve the skills on “HYPERMESH” during the period of inter semester break that is from 17-12-2018 to 22-12-2018, with minimum duration of 30 hours.

So all the interested students should register their names through the Department coordinator.

D. Sree
HOD 14/12/18

HEAD OF THE DEPT.
Mechanical Engineering
Mother Theresa Inst. of Engg. & Tech.,
PALAMANER - 517 408.

Circulation to:

1. The III B.Tech Class rooms.
2. The Department Notice board.
3. Department file.,



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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE: HYPERMESH

COURSE SYLLABUS :: AY 2018-19

* * * * *

Duration: 30 Hours

UNIT I

6 hours

Introduction to Hyper mesh, Introduction about Hyper mesh, Introduction to CAE, Application of CAE Software, Advantages and Theory of FEM, Geometry, Create node, Node edit, Temp nodes, Distance, Dimensioning , Lines, Creation of surfaces and surface edit, Translate, Mid Surface Extraction, De featuring.

UNIT II

6 hours

Geometry Clean Up Surface edges, Visualization tool bar, Display tool bar, Clean up using quick edit, 2D Meshing, Introduction to meshing , Auto meshing, Size & Biasing, Density and mesh style, Replace, re meshing, Current and surface components.

UNIT III

6 hours

2d Mesh Quality, Quality Criteria, Aspect Ratio, Reducing The Trias Percentage, Quality index, T Connections, Free – Edges, Manual mesh Ruled Elem Offset.

UNIT IV

6 hours

Tools, Number And Mass Calculation, Project , Position, 3d Hex Meshing , Introduction To 3d Meshing , Types Of 3d Elements, 3d Solid Mesh, Solid Map Commands, 3d Tetra Meshing, Tetra Parameters, Tet Collapse.

UNIT V

6 hours

1d Mesh, Beam Elements, Bars, Rods, Rbe2 & Rbe3 Elements, Welding & Bolt Creation, Linear Meshing, Create Collectors, Material Properties, Load Constraints, Modal, Linear Static And Buckling Analysis, Deck Preparation, Material And Properties Assignment, Assign of Loads And Constraints, Saving The File Formats.

R. Sasli
CO-ORDINATOR

D. Shree
HOD/ME
HEAD OF THE DEPT.
Mechanical Engineering
Mother Theresa Inst. of Engg. & Tech.,
PALAMANER - 517 408.



DEPARTMENT OF MECHANICAL ENGINEERING
VALUE ADDED COURSE:: HYPERMESH(1803VAC02)

STUDENTS REGISTRATION FORM::

Academic Year 2018-19

S.NO.	REGD. NO.	NAME OF THE STUDENT	SIGNATURE
1	16HR1A0301	A JASWANTH	A. Jaswanth
2	16HR1A0302	ANNALADEVI VAMSIKSHNA	A. Annaladevi
3	16HR1A0303	B HARIVENKARA REDDDY	B. Harivenkara Reddy
4	16HR1A0304	B JASWANTH	B. Jaswanth
5	16HR1A0305	B SREE HARI REDDY	Sreehari Reddy
6	16HR1A0306	BALINENI AKHIL	Balineni Akhil
7	16HR1A0307	BOGGALA SADASIVA	B. Sadasiva
8	16HR1A0308	C GOWTHAM	C. Gowtham
9	16HR1A0309	C VENKATADHRI	C. Venkatadhri
10	16HR1A0310	CHINTAMANU SATHVIKA	C. Sathvika
11	16HR1A0311	CHINTHAPARTHI PRUDHVI	C. Prudhvi
12	16HR1A0312	CHIVAKALA THEJASWINI	C. Thejaswini
13	16HR1A0313	D DURGAPRASAD	D. Durga Prasad
14	16HR1A0314	DASIREDDY SAIKRISHNA	D. Saikrishna
15	16HR1A0315	ERAKA REDDY SEKHAR REDDY	E. Sekhar Reddy
16	16HR1A0316	GANGANNAGARI PURUSHOTHAM	G. Purushotham
17	16HR1A0317	GUJJANURU DINESH KUMAR	G. Dinesh Kumar
18	16HR1A0318	K C MANIKANTA	K. C. Manikanta
19	16HR1A0319	K PRAVEEN KUMAR	K. Praveen Kumar
20	16HR1A0320	K SURYATEJA	K. Surya Teja
21	16HR1A0321	K YUGANDHAR REDDY	Yugandhar Reddy
22	16HR1A0322	KARPANDEVAR KARTHIK	K. Kartik
23	16HR1A0323	KADAPAGUNTA MAHESH REDDY	K. Mahesh Reddy
24	16HR1A0325	KOTHOLA GANGARAJU	K. Gangaraju
25	16HR1A0328	M P NIKHIL YADAV	M. P. Nikhil Yadav
26	16HR1A0329	M YUGANDHAR	M. Yugandhar

27	16HR1A0330	MURUGAN SUNDAR RAJU	M. Sundar Raju
28	16HR1A0331	N MOHAMMAD FARUQ	N.M. Faruq
29	16HR1A0332	P NAVEEN	P. Naveen
30	16HR1A0333	P S RAVI KUMAR	S. Ravi Kumar
31	16HR1A0334	RAMINI JAYAKANTH	R. Jayakanth
32	16HR1A0335	SANGU LAVAKUMAR	S. Lavakumar
33	16HR1A0336	SHEIK IMRAN	Sheik Imran
34	16HR1A0337	SIVANAVARI HEMANTH KUMAR	S. Hemanth Kumar
35	16HR1A0338	SYED MOHAMMED SHOAIB	S. Mohammed Shoaib
36	16HR1A0339	THALARI RAMESH BABU	T. Ramesh Babu
37	16HR1A0340	THATTI BHANUPRASAD	T. Bhanu Prasad
38	16HR1A0341	THIMMARAYANNAGARI BHASKAR REDDY	T. Bhaskar Reddy
39	16HR1A0342	THORADI ANIL KUMAR	T. Anil Kumar
40	16HR1A0343	YADATI REDDY REKENDU SAI MOULI	Y. REDDY REKENDU SAIBOULI
41	16HR1A0344	YARRAMADDU VISHNUVARDHAN REDDY	Y. Vishnuvardhan Reddy
42	16HR1A0345	B SANJAY KUMAR	B. Sanjay Kumar
43	17HR5A0301	AVULA SAMPATH KUMAR	A. Sampath Kumar
44	17HR5A0302	BESTHA VENKATESH	B. Venkatesh
45	17HR5A0303	DHODDURI DIWAKAR REDDY	D. Diwakar Reddy
46	17HR5A0304	EDDALA SOMASEKHAR	E. Somasekhara
47	17HR5A0305	N SAILESH	N. Sailesh
48	17HR5A0306	T SOMASEKHAR	T. Somasekhara
49	15HR1A0315	J JAGADISHVARA PRASAD	J. Jagadishvara Prasad

R. Sachin 22/12/18
CO-ORDINATOR

D. Sree
HOD 22/12/18

Copy to:

Dept. file
Coordinator

HEAD OF THE DEPT.
Mechanical Engineering
Mother Theresa Inst. of Engg. & Tech.,
PALAMANER - 517 408.



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 Melumoi Cross, Palamaner, Chittoor(Dist.) – 517408.



DEPARTMENT OF MECHANICAL ENGINEERING
VALUE ADDED COURSE::HYPERMESH (Code:1803VAC02)
 Academic Year 2018-19
 (From 17.12.2018 to 22.12.2018)

SL.NO	REGD. NO.	NAME OF THE STUDENT	DATES													
			17-12-2018		18-12-2018		19-12-2018		20-12-2018		21-12-2018		22-12-2018			
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
1	16HR1A0301	A JASWANTH	P	P	P	P	P	A	P	P	P	P	P	P		
2	16HR1A0302	ANNADEVI VAMSIKSHNA	P	P	P	P	P	P	P	P	P	P	P	P		
3	16HR1A0303	B HARIVENKARA REDDY	P	P	P	P	P	P	P	P	P	A	P	P		
4	16HR1A0304	B JASWANTH	P	P	P	P	P	P	P	P	P	P	P	P		
5	16HR1A0305	B SREE HARI REDDY	P	P	P	P	P	P	P	P	P	P	P	P		
6	16HR1A0306	BALINENI AKHIL	A	P	P	P	P	P	P	P	P	P	P	P		
7	16HR1A0307	BOGGALA SADASIVA	P	P	P	P	P	P	P	P	P	P	P	P		
8	16HR1A0308	C GOWTHAM	P	P	P	P	P	P	P	P	A	P	P	P		
9	16HR1A0309	C VENKATADHRI	P	P	P	P	P	P	P	P	P	P	P	P		
10	16HR1A0310	CHINTAMANU SATHVIKA	P	P	P	P	P	P	P	P	P	P	P	P		
11	16HR1A0311	CHINTHAPARTHI PRUDHVI	P	P	P	P	P	P	P	P	P	P	P	P		
12	16HR1A0312	CHIVAKALA THEJASWINI	P	P	P	P	P	P	P	P	P	P	P	P		
13	16HR1A0313	D DURGAPRASAD	P	P	P	P	A	P	P	P	P	P	P	P		
14	16HR1A0314	DASIREDDY SAIKRISHNA	P	P	P	P	P	P	P	P	P	P	P	P		
15	16HR1A0315	E REDDY SEKHAR REDDY	P	P	P	A	P	P	P	P	P	P	P	P		
16	16HR1A0316	G PURUSHOTHAM	P	P	P	P	P	P	P	P	P	P	P	P		
17	16HR1A0317	G DINESH KUMAR	P	P	P	P	P	P	A	P	P	P	P	P		
18	16HR1A0318	K C MANIKANTA	P	P	P	P	P	P	P	P	P	P	P	P		
19	16HR1A0319	K PRAVEEN KUMAR	P	P	P	P	P	P	P	P	P	P	P	P		
20	16HR1A0320	K SURYATEJA	P	P	P	P	P	P	P	P	A	P	P	P		
21	16HR1A0321	K YUGANDHAR REDDY	P	P	P	P	P	P	P	P	P	P	P	P		
22	16HR1A0322	KARPANDEVAR KARTHIK	P	P	P	P	P	A	P	P	P	P	P	P		
23	16HR1A0323	K MAHESH REDDY	P	P	P	P	P	P	P	P	P	P	P	P		
24	16HR1A0325	KOTHOLA GANGARAJU	P	P	P	P	P	P	P	P	P	P	P	P		
25	16HR1A0328	M P NIKHIL YADAV	P	A	P	P	P	P	P	P	P	P	P	P		
26	16HR1A0329	M YUGANDHAR	P	P	P	P	P	P	P	P	P	P	P	P		
27	16HR1A0330	MURUGAN SUNDAR RAJU	P	P	P	P	P	P	P	P	P	P	P	P		
28	16HR1A0331	N MOHAMMAD FARUQ	P	P	P	P	P	P	P	P	P	P	P	P		
29	16HR1A0332	P NAVEEN	P	P	P	P	P	P	P	P	P	P	P	P		
30	16HR1A0333	P S RAVI KUMAR	P	P	P	P	P	P	P	P	P	P	P	P		
31	16HR1A0334	RAMINNI JAYAKANTH	P	P	A	P	A	P	P	P	P	P	P	P		

32	16HR1A0335	SANGU LAVAKUMAR	P	P	A	P	P	P	P	P	P	P	A	P
33	16HR1A0336	SHEIK IMRAN	P	P	P	P	P	P	P	P	P	P	P	P
34	16HR1A0337	S HEMANTH KUMAR	P	P	P	P	P	P	P	P	P	P	P	P
35	16HR1A0338	SYED MOHAMMED SHOAIB	P	P	P	P	P	P	P	P	P	P	P	P
36	16HR1A0339	THALARI RAMESH BABU	P	P	P	P	P	P	P	P	P	P	P	P
37	16HR1A0340	THATTI BHANUPRASAD	P	P	P	P	P	P	A	P	P	P	P	P
38	16HR1A0341	T BHASKAR REDDY	P	P	P	P	P	P	P	P	P	P	P	P
39	16HR1A0342	THORADI ANIL KUMAR	P	P	P	P	P	P	P	P	P	P	P	P
40	16HR1A0343	Y R SAI MOULI	P	P	P	P	P	P	P	P	P	P	P	P
41	16HR1A0344	Y VISHNUVARDHAN REDDY	P	P	P	P	P	P	P	P	A	P	P	P
42	16HR1A0345	B SANJAY KUMAR	P	P	P	P	P	P	P	P	P	P	P	P
43	17HR5A0301	AVULA SAMPATH KUMAR	P	P	P	A	P	P	P	P	P	P	P	P
44	17HR5A0302	BESTHA VENKATESH	P	P	P	P	P	P	P	P	P	P	P	P
45	17HR5A0303	DHODDURI DIWAKAR REDDY	P	P	P	P	P	P	P	P	P	P	P	P
46	17HR5A0304	EDDALA SOMASEKHAR	P	P	P	P	P	P	P	P	P	P	P	P
47	17HR5A0305	N SAILESH	P	P	P	P	P	P	P	P	P	P	P	P
48	17HR5A0306	T SOMASEKHAR	P	P	P	P	P	P	P	P	P	P	P	P
49	15HR1A0315	J JAGADISHVARA PRASAD	P	P	P	P	P	P	P	P	P	P	P	A
No. of Absent			1	1	2	2	2	2	1	1	2	2	1	1
Expert Signature:			RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS

R. Sashi 22/12/2018
CO-ORDINATOR

DS see 22/12/2018
HOD
HEAD OF THE DEPT.
Mechanical Engineering
Mother Theresa Inst. of Engg. & Tech.,
PALAMANER - 517 403.



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DEPARTMENT OF MECHANICAL ENGINEERING VALUE ADDED COURSE:: HYPERMESH (1803VAC02)

III B.TECH, COURSE SCHEDULE ::

Academic year 2018-2019

* * * * *

S.NO.	DAY(S)	DATE	Duration	TIME	TOPIC(S)	EXPERT DETAILS
1	DAY 1	17-12-18	30 mins	09:30-10:00	INAUGURATION	SATHISH KUMAR V.S
2			1 hour	10:00-11:00	INTRODUCTION TO HYPER MESH	
3			2 hours	11:00-01:00	GEOMETRY , CREATE NODE, NODE EDIT, TEMP NODES , DISTANCE, DIMENSIONING , LINES	
4			2 hours 30 mins	02:00-04:30	MID – SURFACE EXTRACTION	
5	DAY 2	18-12-18	30 mins	09:30-10:00	GEOMETRY CLEAN – UP SURFACE EDGES	SATHISH KUMAR V.S
6			1 hour	10:00-11:00	2D MESHING	
7			2 hours	11:00-01:00		
8			2 hours 30 mins	02:00-04:30	2D MESH QUALITY	
9	DAY 3	19-12-18	30 mins	09:30-10:00	QUALITY INDEX	R.SASIDHAR REDDY
10			1 hour	10:00-11:00		
11			2 hours	11:00-01:00	MANUAL MESH RULED	
12			2 hours 30 mins	02:00-04:30		
13	DAY 4	20-12-18	1 hour 30 mins	09:30-11:00	3D SOLID MESH, 3D TETRA MESHING	R.SASIDHAR REDDY
14			2 hours	11:00-01:00		
15			2 hour 30 mins	02:00-04:30	1D MESH	
16	DAY 5	21-12-18	1 hour 30 mins	09:30-11:00	LINEAR MESHING	K.RAJESH KUMAR
17			2 hours	11:00-01:00		
18			2 hours 30 mins	02:00-04:30	MODAL, LINEAR STATIC AND BUCKLING ANALYSIS DECK PREPARATION	
19						
20	DAY 6	22-12-18	1 hour 30 mins	09:30-11:00	BUCKLING ANALYSIS DECK PREPARATION	K.RAJESH KUMAR
21			2 hours	11:00-01:00		
22			1 hour	02:00-03:00	CONDUCTION OF EXAM	
23			1 hour 30 mins	03:00-04:30	DISTRIBUTION OF CERTIFICATES	

Total Duration of Course: 36 hours.

R. Sathish
CO-ORDINATOR

R. Rajesh
22/12/2018
HOD/ME
HEAD OF THE DEPT.
Mechanical Engineering
Mother Theresa Inst. of Engg. & Tech.,
PALAMANER - 517 408.



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DEPARTMENT OF MECHANICAL ENGINEERING VALUE ADDED COURSE:: HYPERMESH (1803VAC02) QUESTION PAPER ACADEMIC YEAR 2018-2019

* * * * *

ANSWER ALL THE FOLLOWING QUESTIONS EACH CARRY EQUAL MARKS

15X2=30MARKS

1. What do u understand by CAE?
2. What are other similar techniques available & how they r different from them ?
3. What do u mean by liner & nonlinear analysis?
4. When need to use nonlinear analysis ?
5. What type of nonlinearity exist ?
6. What type of elements available in Hypermesh & application of different type of elements?
7. What do u understand by one d element & what is special engineering applications of it?
8. How u discretize a model ?
9. What are basic rules to start mesh ?
10. How u decide element size & density ?
11. What do u means by stress concentration & u mesh for such regions?
12. What are shape functions ?
13. What are iso-parametric elements and why do you use them ?
14. What is hour glassing ?
15. Talk about various types of elements.

R. S. N. S. 22/12/2018
CO-ORDINATOR

Copy to:
Dept. file
Coordinator

D. S. S. 22/12/2018
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DEPARTMENT OF MECHANICAL ENGINEERING VALUE ADDED COURSE:: HYPERMESH(1803VAC02)

III B.TECH, STUDENT EVALUATION FORM

Academic Year 2018-19

S.NO.	REGD. NO.	NAME OF THE STUDENT	GRADE
1	16HR1A0301	A JASWANTH	A
2	16HR1A0302	ANNALADEVI VAMSIKSHNA	A
3	16HR1A0303	B HARIVENKARA REDDDY	A
4	16HR1A0304	B JASWANTH	A
5	16HR1A0305	B SREE HARI REDDY	A
6	16HR1A0306	BALINENI AKHIL	A
7	16HR1A0307	BOGGALA SADASIVA	A
8	16HR1A0308	C GOWTHAM	D
9	16HR1A0309	C VENKATADHRI	A
10	16HR1A0310	CHINTAMANU SATHVIKA	B
11	16HR1A0311	CHINTHAPARTHI PRUDHVI	B
12	16HR1A0312	CHIVAKALA THEJASWINI	B
13	16HR1A0313	D DURGAPRASAD	A
14	16HR1A0314	DASIREDDY SAIKRISHNA	A
15	16HR1A0315	ERAKA REDDY SEKHAR REDDY	A
16	16HR1A0316	GANGANNAGARI PURUSHOTHAM	C
17	16HR1A0317	GUJJANURU DINESH KUMAR	C
18	16HR1A0318	K C MANIKANTA	C
19	16HR1A0319	K PRAVEEN KUMAR	A
20	16HR1A0320	K SURYATEJA	D
21	16HR1A0321	K YUGANDHAR REDDY	A
22	16HR1A0322	KARPANDEVAR KARTHIK	A
23	16HR1A0323	KADAPAGUNTA MAHESH REDDY	C
24	16HR1A0325	KOTHOLA GANGARAJU	B
25	16HR1A0328	M P NIKHIL YADAV	A
26	16HR1A0329	M YUGANDHAR	A
27	16HR1A0330	MURUGAN SUNDAR RAJU	A

28	16HR1A0331	N MOHAMMAD FARUQ	B
29	16HR1A0332	P NAVEEN	B
30	16HR1A0333	P S RAVI KUMAR	A
31	16HR1A0334	RAMINNI JAYAKANTH	A
32	16HR1A0335	SANGU LAVAKUMAR	A
33	16HR1A0336	SHEIK IMRAN	D
34	16HR1A0337	SIVANAVARI HEMANTH KUMAR	C
35	16HR1A0338	SYED MOHAMMED SHOAIB	C
36	16HR1A0339	THALARI RAMESH BABU	B
37	16HR1A0340	THATTI BHANUPRASAD	A
38	16HR1A0341	THIMMARAYANNAGARI BHASKAR REDDY	A
39	16HR1A0342	THORADI ANIL KUMAR	A
40	16HR1A0343	YADATI REDDY REKENDU SAI MOULI	B
41	16HR1A0344	YARRAMADDU VISHNUVARDHAN REDDY	C
42	16HR1A0345	B SANJAY KUMAR	A
43	17HR5A0301	AVULA SAMPATH KUMAR	A
44	17HR5A0302	BESTHA VENKATESH	A
45	17HR5A0303	DHODDURI DIWAKAR REDDY	A
46	17HR5A0304	EDDALA SOMASEKHAR	A
47	17HR5A0305	N SAILESH	D
48	17HR5A0306	T SOMASEKHAR	A
49	15HR1A0315	J JAGADISHVARA PRASAD	A

Grade A>75%, B>65%, C>50%, D-FAIL

R. Seshi
CO-ORDINATOR

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Dept. file
Coordinator

D. Sree
HOD

HEAD OF THE DEPT.
Mechanical Engineering
Mother Theresa Inst. of Engg. & Tech.,
PALAMANER - 517 408.



DEPARTMENT OF MECHANICAL ENGINEERING

Report-On

VALUE ADDED COURSE:: HYPERMESH(1803VAC02)

Academic Year 2018-19

* * * * *

The Department of Mechanical engineering has conducted a value added course on HYPERMESH organized for students of III Year Mechanical Engineering students during 17th Dec to 22nd Dec 2018 to enhance the student knowledge to meet the future industrial demand. The faculties has given mix of theory and practical knowledge on hyper mesh.

This program was organized by Dr.D.Sreenivasulu Reddy, Head of the department with the co-ordination of K.Rajesh Kumar, Assistant Professor, ME Department, Sathish Kumar.V.S. Assistant Professor, ME Department, R.Sasidhar Reddy, Assistant Professor, ME Department.

The value added course was organized for six days effective from 17.12.2018 to 22.12.2018 with a total duration of 36 hrs forty nine students from Third year Mechanical Engineering were benefitted from this program. The program was held in Mechanical Seminar Hall for inauguration. Theory and technical session practicals were conducted in Communication lab.

TOPICS COVERED

UNIT I

Introduction to Hyper mesh, Introduction about Hyper mesh, Introduction to CAE, Application of CAE Software, Advantages and Theory of FEM, Geometry, Create node, Node edit, Temp nodes, Distance, Dimensioning , Lines, Creation of surfaces and surface edit, Translate, Mid Surface Extraction, De featuring.

UNIT II

Geometry Clean Up Surface edges, Visualization tool bar, Display tool bar, Clean up using quick edit, 2D Meshing, Introduction to meshing , Auto meshing, Size & Biasing, Density and mesh style, Replace, re meshing, Current and surface components.

UNIT III

2d Mesh Quality, Quality Criteria, Aspect Ratio, Reducing The Trias Percentage, Quality index, T Connections, Free – Edges, Manual mesh Ruled Elem Offset.

UNIT IV

Tools, Number And Mass Calculation, Project , Position, 3d Hex Meshing , Introduction To 3d Meshing , Types Of 3d Elements, 3d Solid Mesh, Solid Map Commands, 3d Tetra Meshing, Tetra Parameters, Tet Collapse.

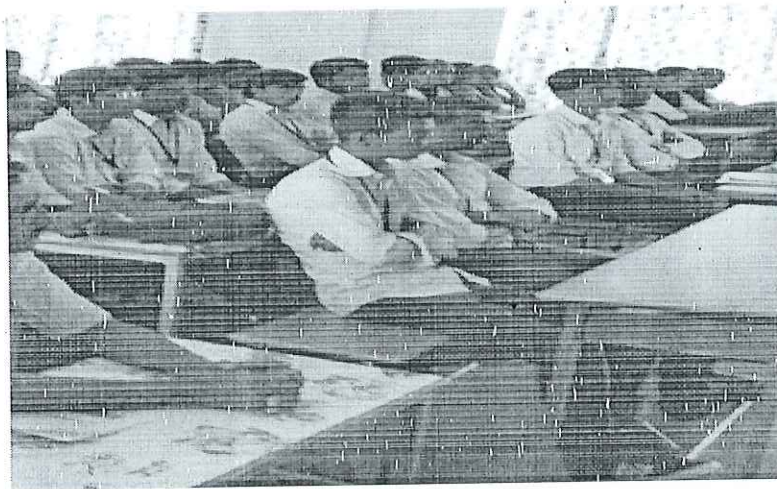
UNIT V

1d Mesh, Beam Elements, Bars, Rods, Rbe2 & Rbe3 Elements, Welding & Bolt Creation, Linear Meshing, Create Collectors, Material Properties, Load Constraints, Modal, Linear Static And Buckling Analysis, Deck Preparation, Material And Properties Assignment, Assign of Loads And Constraints, Saving The File Formats.

The value added course is successfully completed with the cooperation of each and every faculty member of the department and student participants.

Course Outcomes:

- Students were able to create hexa and penta mesh.
- Students were able to prepare models for analysis and geometry for meshing.



At the time of lecture hour

R. Sashi 22/12/18
CO-ORDINATOR



DEPARTMENT OF MECHANICAL ENGINEERING
VALUE ADDED COURSE:: HYPERMESH(1803VAC02)

Academic Year 2018-19

Feedback Form

Name of the Staff: 1. SATHISH KUMAR V S

2. R.SASIDHAR REDDY

3. K.RAJESH KUMAR

Choose:

- 5- Excellent
- 4- Very Good
- 3- Good
- 2- Fair
- 1- Poor

S.No	Description	5	4	3	2	1
1	Organization of Subject in Logical Sequence	✓				
2	Clarity and audibility of Speech		✓			
3	Method of Explanation with proper Illustrations & Examples		✓			
4	Way of Raising doubts & Effective clarification of doubts	✓				
5	Relevance of the lecture to the topic announced	✓				
6	Overall Performance	✓				

Suggestions if any: *no suggestion*

Mallesh Reddy
Signature (Optional) *22/11/2018*



DEPARTMENT OF MECHANICAL ENGINEERING
VALUE ADDED COURSE:: HYPERMESH(1803VAC02)

Academic Year 2018-19

Feedback Form

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Choose:

- 5- Excellent
- 4- Very Good
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S.No	Description	5	4	3	2	1
1	Organization of Subject in Logical Sequence	✓				
2	Clarity and audibility of Speech		✓			
3	Method of Explanation with proper Illustrations & Examples	✓				
4	Way of Raising doubts & Effective clarification of doubts		✓			
5	Relevance of the lecture to the topic announced	✓				
6	Overall Performance	✓				

Suggestions if any: I got good knowledge.

Sada Shiva 29/12/2018
Signature (Optional)



DEPARTMENT OF MECHANICAL ENGINEERING
VALUE ADDED COURSE:: HYPERMESH(1803VAC02)

Academic Year 2018-19

Feedback Analysis

Number of students submitted Feedback Forms: 49

Total number of Points: 245

S.No	Description	Excellent	Very Good	Good	Fair	Poor	%
1	Organization of Subject in Sequence	40	08	01	00	0	95.91837
2	Clarity and audibility of Speech	39	07	03	00	0	94.69388
3	Method of Explanation with proper Illustrations & Examples	38	08	03	00	0	94.28571
4	Way of Raising doubts & Effective clarification of doubts	36	08	03	02	0	91.83673
5	Relevance of the lecture to the topic announced	38	09	02	00	0	94.69388
6	Overall Performance	39	10	00	00	0	95.91837
Total(Average)							94.55%

- Total Points ≥ 90 → Excellent (5 Points)
Total Points ≥ 80 → Very Good (4 Points)
Total Points ≥ 70 → Good (3 Points)
Total Points ≥ 50 → Fair (2 Points)
Total Points ≤ 49 → Poor (1 Points)

Feedback analysis report: The Value added course was excellent based on the feedback percentage that was given by the student

R. Susha 22/12/2018
CO-ORDINATOR

D. S. S. S. 22/12/2018
HOD/ME

HEAD OF THE DEPT.
Mechanical Engineering
Mother Theresa Inst. of Engg. & Tech.,
PALAMANER - 517 408.

Mother Theresa Institute of Engineering and Technology



(Approved by AICTE, New Delhi and Affiliated to JNTUA, Anantapuramu)

Melumoi (Post), Palamaner-517408, Chittoor Dist., A.P.

Website: www.mtitech.edu.in email: mtieat@gmail.com ☎ 08579 268589



Certificate

This is to Certify that Mr./Ms. A JASWANTH Reg, No. 16HR1A0301 Dept. of Mechanical Engineering has successfully completed a course in "HYPERMESH", conducted by the department of Mechanical Engineering, MTIET, Palamaner from 17th December 2018 to 22nd December 2018 and has obtained A grade.

R. Sathi
CO-ORDINATOR

Dsree
HOD

[Signature]
PRINCIPAL

Mother Theresa Institute of Engineering and Technology



(Approved by AICTE, New Delhi and Affiliated to JNTUA, Anantapuramu)

Melumoi (Post), Palamaner-517408, Chittoor Dist., A.P.

Website: www.mtietech.edu.in email: mtieat@gmail.com ☎ 08579 268589



Certificate

This is to Certify that Mr./Ms. **ANNALADEVI VAMSIKSHNA** Reg, No. **16HR1A0302** Dept. of Mechanical Engineering has successfully completed a course in “**HYPERMESH**”, conducted by the department of Mechanical Engineering, MTIET, Palamaner from 17th December 2018 to 22nd December 2018 and has obtained A grade.

R. Sathi
CO-ORDINATOR

D. Sree
HOD

[Signature]
PRINCIPAL