



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 CIVIL ENGINEERING

Place: Palamaner,

Date: 5.02.2020

To
The Principal,
MTIET,
Palamaner.


Sub: Organizing Value Added Course for III B.TECH students titled
"REVIT SOFTWARE" - 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 CIVIL Engineering is organizing a ADD ON PROGRAM titled, "REVIT SOFTWARE" for the III B.Tech students during the inter semester break with **minimum duration of 30 hours**. The Program will be conducted from 8.02.2020 to 13.02.2020.

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,


5/2/2020
HOD

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



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[COLLEGE CODE: HR]

DEPARTMENT OF CIVIL ENGINEERING

Ref.: MTIET/CE/AOP/CIR-02

Place: Palamaner,

Date: 05.02.2020

CIRCULAR

This is here by informed to all the III B.Tech students that the Department is very glad to organize a ADD ON PROGRAM to improve the skills on "REVIT SOFTWARE" during the period of inter semester break that is from 08.02.2020 to 13.02.2020, with minimum duration of 30hours.

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


5/2/2020

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PALAMANER - 517 408.

Circulation to:

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



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



DEPARTMENT OF CIVIL ENGINEERING

ADD ON PROGRAM:: REVIT SOFTWARE (203AOP03)

III B.TECH, PROGRAMME SCHEDULE: :

Academic year 2019-2020

S.NO.	DAY(S)	DATE	Duration	TIME	TOPIC(S)	EXPERT DETAILS
1	DAY 1	8-02-20	30 mins	09:30-10:00	INAUGURATION	R.DIVYA
2			1 hour	10:00-11:00	INTRODUCTION TO HYPER MESH	
3			2 hours	11:00-01:00	Building Information Modeling (BIM) is transformg architectural design	
4			2 hours 30 mins	02:00-04:30	Representing the building spaces, systems	
5	DAY 2	9-2-20	30 mins	09:30-10:00	GEOMETRY CLEAN – UP SURFACE EDGES	B.B.C.O.PRASAD
6			1 hour	10:00-11:00	engineers and builders to see how building systems	
7			2 hours	11:00-01:00		
8			2 hours 30 mins	02:00-04:30	This course will introduce students to using BIM	
9	DAY 3	10-2-20	30 mins	09:30-10:00	QUALITY INDEX	R.DIVYA
10			1 hour	10:00-11:00		
11			2 hours	11:00-01:00	introduce a software as a tool	
12			2 hours 30 mins	02:00-04:30		
13	DAY 4	11-08-20	1 hour 30 mins	09:30-11:00	standard construction systems	B.B.C.O.PRASAD
14			2 hours	11:00-01:00		
15			2 hour 30 mins	02:00-04:30	Lectures will be presented in each class online	
16	DAY 5	12-02-20	1 hour 30 mins	09:30-11:00	operations with Revit. Hands-on exercises will lead students through the software interface	R.DIVYA
17			2 hours	11:00-01:00		
18			2 hours 30 mins	02:00-04:30	reduces errors and allows control of greater complexity	
19	DAY 6	13-02-20	1 hour 30 mins	09:30-11:00	BUCKLING ANALYSIS DECK PREPARATION	B.B.C.O.PRASAD
20			2 hours	11:00-01:00		
21			1 hour	02:00-03:00	CONDUCTION OF EXAM	
22			1 hour 30 mins	03:00-04:30	DISTRIBUTION OF CERTIFICATES	

Total Duration of Course:36 hours.

N. Vasanthi
CO-ORDINATOR 13/2/2020

HEAD OF THE DE.
Civil Engineering
Mother Theresa Inst. of Engg. &
PALAMANER
HOD/CE
13/2/2020

37	18HR5A0114	M CHANDU PRIYA	P	P	P	P	P	P	P	P	P	P	P	
38	18HR5A0115	MALLELA KALPANA	P	P	P	P	P	P	P	P	P	P	P	
39	18HR5A0116	MARREPPAGARI THIRUNA	P	P	P	P	P	P	P	P	P	P	P	
40	18HR5A0117	MUNGARA MANI	P	P	P	P	P	P	P	P	P	P	P	
41	18HR5A0118	P VIJAY KUMAR	P	P	P	P	P	P	P	P	P	P	P	
42	18HR5A0119	PREDDI MANOJ KUMAR	P	P	P	P	P	P	P	P	P	P	P	
43	18HR5A0120	S MD FAYAZ	P	P	P	P	P	P	P	P	P	P	P	
44	18HR5A0121	SHAIK BABA AFRID	P	P	P	P	P	P	P	P	P	P	P	
45	18HR5A0122	SGURUSWAMYREDDY	P	P	P	P	P	A	P	P	P	P	P	
46	18HR5A0123	SINGAM CHANDRASEKHAR	P	P	P	P	P	P	P	P	P	P	P	
47	18HR5A0124	UPPARAPALLI SURESH	P	P	P	P	P	P	P	P	P	P	P	
48	18HR5A0125	V CHANDRASILPA	P	P	P	P	P	P	P	P	P	P	P	
49	18HR5A0126	YALLA TEJASREE	P	P	P	P	P	P	P	P	P	P	P	
50	18HR5A0127	Y ANIL KUMAR NAIDU	P	P	P	P	P	P	P	P	P	P	P	
N.O. OF ABSENTEES			01	01	09	01	-	-	01	-	-	-	01	-
EXPERTS SIGNATURE			<i>Chandu</i>	<i>Janu</i>	<i>Chandu</i>	<i>Chandu</i>	<i>Chandu</i>	<i>Chandu</i>	<i>Chandu</i>	<i>Chandu</i>	<i>Chandu</i>	<i>Chandu</i>	<i>Chandu</i>	<i>Chandu</i>

R.O.E
13/2/20
CO-ORDINATOR

[Signature]
13/2/20
HOD/CE

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[COLLEGE CODE: HR]

DEPARTMENT OF CIVIL ENGINEERING

ADD ON PROGRAM:REVIT SOFTWARE

PROGRAMME SYLLABUS :: AY 2019-20

Duration: 30 Hours

UNIT I

6 hours

COURSE DESCRIPTION:-

Building Information Modeling (BIM) is transforming architectural design and construction practice by combining 3D geometry with building component data. Representing the building spaces, systems, materials and costs in one integrated database allows more seamless collaboration throughout the building life-cycle. Enabling clients, designers, engineers and builders to see how building systems come together improves efficiency, reduces errors and allows control of greater complexity.

UNIT II

COURSE OBJECTIVES

6 hours

This course will introduce students to using BIM for architectural design exploration, communication, and construction. The class will introduce essential software concepts and hands-on operations with Revit. Hands-on exercises will lead students through the software interface, standard construction systems, creating parametric families and preparing construction documents.

UNIT III

6 hours

COURSE FORMAT:-

This course will be weekly topic with lectures, exercises, and homework assignments. Lectures will be presented in each class online. Selected guest speakers from prominent firms will present their use of the program in youtube. As an option, students can creatively use this class as an opportunity to integrate their own projects; however, this course's main focus is to introduce a software as a tool..

UNIT IV

6 hours

SOFTWARE IN SPOTLIGHT

Autodesk Revit 2018 to 2021- free for students to download. Autodesk AutoCAD- free for students to download. Please do NOT use Revit 2022. Your assignment won't be graded, if you use Revit 2022.

UNIT V

6 hours

Please keep this in mind as the required commitment from you for this course. We don't meet in a classroom setting, but you are required to go to our class room website to complete all necessary components in order to receive a passing grade.

N. Blazguy
CO-ORDINATOR 15/12/2020

15/12/2020
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DEPARTMENT OF CIVIL ENGINEERING:

ADD ON PROGRAM: REVIT SOFTWARE
STUDENT REG FOAM: 2019-2020

CODE: 191A0PC03

DATE: 8/02/2020 TO 13/02/2020

SNO	REG NO	NAME OF THE STUDENT	SIGNATURE
1	17HR1A0101	A N BADRINATH	A.N. Badrinath
2	17HR1A0102	AVULA KAVERI	A. Kaveri
3	17HR1A0103	BALIGAR SUBRAMANYAM	B. Subramanyam
4	17HR1A0104	BHRAMHANAPALLI VIDHYA	B. Vidhya
5	17HR1A0105	BODOLA KISAN KUMAR REDDY	B. Kishan Kumar Reddy
6	17HR1A0106	CHAKALA BHASKAR	C. Bhaskar
7	17HR1A0107	DHARMAVARAM HESHWANTH	D. Heshwanth
8	17HR1A0109	GODLOLLA SURENDRA	G. Surendra
9	17HR1A0110	GOTAPPAGARI PRASANTH	G. Prasanth
10	17HR1A0111	J LOKESH	J. Lokesh
11	17HR1A0113	K R DORABABU	K.R. Dorababu
12	17HR1A0114	KALIPIREDDI HEMANTH REDDY	K. Hemanth Reddy
13	17HR1A0115	KAPADAM PAVANI YADAV	K. Pavani Yadav
14	17HR1A0116	KONDAKAMARLA SOMESWAR	K. Someswar
15	17HR1A0117	M HEMASRI	M. Hemasri
16	17HR1A0118	N ROHITH KUMAR	N. Rohith Kumar
17	17HR1A0119	NEERUGATTI RAJANI	N. Rajani
18	17HR1A0122	R NAGA HARICHANDANA	R. Naga Harichandana
19	17HR1A0124	S RAKESH KUMAR NAIK	S. Rakesh Kumar Naik
20	17HR1A0125	SALLA VIJAY KUMAR REDDY	S. Vijay Kumar Reddy
21	17HR1A0126	THOTI GANESH	T. Ganesh
22	17HR1A0127	THOTLA LOKESHWARI	T. Lokeshwari
23	17HR1A0128	VANKAYALA KARTHIK	V. Karthik
24	16HR1A0138	S PUNITH KUMAR	S. Punith Kumar
25	18HR5A0101	ARAVA NETHAJI REDDY	A. Nethaji Reddy
26	18HR5A0102	BATHULA VENKATRAMANA	B. Venkatramana
27	18HR5A0103	BODE SIREESHA	B. Sireesha
28	18HR5A0104	BUKYA MAHESH NAIK	B. Mahesh Naik
29	18HR5A0105	CHITTIBOINA HARI BABU	C. Hari Babu
30	18HR5A0106	D YUVARAJUSAI KUMAR	D. Yuvarajusai Kumar
31	18HR5A0107	G SUDHEERKUMAR	G. Sudheer Kumar
32	18HR5A0108	GOTTIGINTI BHAVANA	G. Bhavana
33	18HR5A0109	G VAMSI KRISHNA VARMA	G. Vamsi Krishna Varma
34	18HR5A0110	KOKKANTI VARAPRASAD	K. Varaprasad
35	18HR5A0112	KONTHAM MAMATHA	K. Mamatha
36	18HR5A0113	KURRAPHOTHU SREENIVASULU	K. Sreenivasulu

37	18HR5A0114	M CHANDU PRIYA	M. Chandu Priya
38	18HR5A0115	MALLELA KALPANA	M. Kalpana
39	18HR5A0116	MARREPPAGARI THIRUNA	M. Thiruna
40	18HR5A0117	MUNGARA MANI	M. Mani
41	18HR5A0118	P VIJAY KUMAR	P. Vijay
42	18HR5A0119	PREDDI MANOJ KUMAR	P. Manoj Kumar
43	18HR5A0120	S MD FAYAZ	S.M. Fayaz
44	18HR5A0121	SHAIK BABA AFRID	S. Baba Afrid
45	18HR5A0122	SGURUSWAMYREDDY	S. Guruswamy Reddy
46	18HR5A0123	SINGAM CHANDRASEKHAR	S. Chandrasekhara
47	18HR5A0124	UPPARAPALLI SURESH	U. Suresh
48	18HR5A0125	V CHANDRASILPA	V. Chandrasilpa
49	18HR5A0126	YALLA TEJASREE	Y. Tejasree
50	18HR5A0127	Y ANIL KUMAR NAIDU	Y. Anil Kumar Naidu

N. Blangji
CO-ORDINATOR 13/2/2020


13/2/2020
HOD/CE
HEAD OF THE DEPT.
Civil Engineering
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MOTHER THERESA INSTITUTE OF ENGINEERING AND TECHNOLOGY

MELUMOI POST, PALAMANER-517408



DEPARTMENT OF CIVIL ENGINEERING

VALUE ADDED COURSE:: REVIT SOFTWARE (203AOP03)

QUESTION PAPER

ACADEMIC YEAR 2019-2020

ANSWER ALL THE FOLLOWING QUESTIONS EACH CARRY EQUAL MARKS

15X2=30MARKS

1. What do u understand by REVIT SOFTWARE?
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 REVIT& 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.

N. Sargen
CO-ORDINATOR
13/2/2020

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HEAD OF THE L
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13/2/2020



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DEPT: CIVIL ENGINEERING		ADD ON PROGRAM : REVIT SOFTWARE	
EVALUATION REPORT: 2019-2020		CLASS: III YEAR	
SNO	REG NO	NAME OF THE STUDENT	GRADES
1	17HR1A0101	A N BADRINATH	A
2	17HR1A0102	AVULA KAVERI	A
3	17HR1A0103	BALIGAR SUBRAMANYAM	B
4	17HR1A0104	BHRAMHANAPALLI VIDHYA	A
5	17HR1A0105	BODOLA KISAN KUMAR REDDY	A
6	17HR1A0106	CHAKALA BHASKAR	B
7	17HR1A0107	DHARMAVARAM HESHWANTH	A
8	17HR1A0109	GODLOLLA SURENDRA	C
9	17HR1A0110	GOTAPPAGARI PRASANTH	B
10	17HR1A0111	J LOKESH	A
11	17HR1A0113	K R DORABABU	D
12	17HR1A0114	KALIPIREDDI HEMANTH REDDY	A
13	17HR1A0115	KAPADAM PAVANI YADAV	B
14	17HR1A0116	KONDAKAMARLA SOMESWAR	B
15	17HR1A0117	M HEMASRI	A
16	17HR1A0118	N ROHITH KUMAR	A
17	17HR1A0119	NEERUGATTI RAJANI	A
18	17HR1A0122	R NAGA HARICHANDANA	B
19	17HR1A0124	S RAKESH KUMAR NAIK	B
20	17HR1A0125	SALLA VIJAY KUMAR REDDY	C
21	17HR1A0126	THOTI GANESH	A
22	17HR1A0127	THOTLA LOKESHWARI	B
23	17HR1A0128	VANKAYALA KARTHIK	B
24	16HR1A0138	S PUNITH KUMAR	A
25	18HR5A0101	ARAVA NETHAJI REDDY	B
26	18HR5A0102	BATHULA VENKATRAMANA	A
27	18HR5A0103	BODE SIREESHA	B
28	18HR5A0104	BUKYA MAHESH NAIK	A
29	18HR5A0105	CHITTIBOINA HARI BABU	B
30	18HR5A0106	D YUVARAJUSAI KUMAR	A
31	18HR5A0107	G SUDHEERKUMAR	A
32	18HR5A0108	GOTTIGINTI BHAVANA	B
33	18HR5A0109	G VAMSI KRISHNA VARMA	B
34	18HR5A0110	KOKKANTI VARAPRASAD	A
35	18HR5A0112	KONTHAM MAMATHA	A
36	18HR5A0113	KURRAPOTHU SREENIVASULU	A
37	18HR5A0114	M CHANDU PRIYA	A

38	18HR5A0115	MALLELA KALPANA	A
39	18HR5A0116	MARREPPAGARI THIRUNA	B
40	18HR5A0117	MUNGARA MANI	A
41	18HR5A0118	P VIJAY KUMAR	B
42	18HR5A0119	PREDDI MANOJ KUMAR	A
43	18HR5A0120	S MD FAYAZ	A
44	18HR5A0121	SHAIK BABA AFRID	B
45	18HR5A0122	SGURUSWAMYREDDY	B
46	18HR5A0123	SINGAM CHANDRASEKHAR	A
47	18HR5A0124	UPPARAPALLI SURESH	A
48	18HR5A0125	V CHANDRASILPA	A
49	18HR5A0126	YALLA TEJASREE	C
50	18HR5A0127	Y ANIL KUMAR NAIDU	D

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

N. Prasad
CO-ORDINATOR 13/2/2020

[Signature]
HOD/CE 13/2/2020

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DEPARTMENT OF CIVIL ENGINEERING
ADD ON PROGRAM::REVIT SOFTWARE

III B.TECH

AY 2019-2020 (8.02.2020 to 13.02.2020)

Feedback Form

Name of the Staff: 1.B.B.C.O.PRASAD

2.R.DIVYA

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:

Signature (Optional)

12/2/2020



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**DEPARTMENT OF CIVIL ENGINEERING
ADD ON PROGRAM::REVIT SOFTWARE**

III B.TECH

AY 2019-2020-(08-02-20 TO 13-02-20)

Feedback Analysis

Number of students submitted Feedback Forms:50

Total number of Points:265

	Description	Excellent	Very Good	Good	Fair	Poor	%
1	Organization of Subject in Sequence	25	35	5	2	0	84.7761
2	Clarity and audibility of Speech	28	35	3	1	0	86.86567
3	Method of Explanation with proper Illustrations & Examples	30	35	1	1	0	88.0597
4	Way of Raising doubts & Effective clarification of doubts	30	32	4	1	0	87.16418
5	Relevance of the lecture to the topic announced	31	30	3	3	0	86.56716
6	Overall Performance	30	35	1	1	0	88.0597
Total(Average)							86.90%

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 ADD ON PROGRAM was very good based on the feedback percentage that was given by the students.

N. Dasgupta
CO-ORDINATOR 13/12/2020

[Signature] 13/12/2020
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DEPARTMENT OF CIVIL ENGINEERING
Report-On
ADD ON PROGRAM::REVIT SOFTWARE(203AOP03)
Academic Year 2019-2020
(8.2.2020 TO 13.2.2020)

* * * * *

The Department of CIVIL ENGINEERING conducting the value added course REVIT SOFTWARE organized for students of III Year CIVIL Engineering students on 8th feb 2020 to 13th feb 2020 to enhance the student knowledge to meet the future industrial demand. The faculty has given mix of theory and practical knowledge on hyper mesh.

This program was organized by B.B.C.O.PRASAD, Head of the department with the co-ordination of A.V.PAVAN Associate Professor, CE Department S.PAVAN Associate Professor, CE Department.

The value added course was organized for six days effective from 8th feb 2020 to 13th feb 2020 with a total duration of 36 hrs fifty students from Third year CIVIL Engineering were benefitted from this program. The program was held in CIVIL Seminar Hall for inauguration. Theory and technical session practical were conducted in Communication lab.



Students' active participation @ Revit software

D. Jayaram
CO-ORDINATOR

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.N. BADRINATH**..... Reg. No. **17HR1A0101**.....

Dept. of CIVIL Engineering has successfully completed a course in "REVIT SOFTWARE", conducted by the department of CIVIL Engineering, MTIET, Palamaner from 08 FEB 2020 to 13 FEB 2020 has obtained **A**.... grade.

CO-ORDINATOR


HEAD OF DEPARTMENT
Civil Engineering
Mother Theresa Inst. of Engg. & Tech.


PRINCIPAL