

Software's related
to 3D Printing
Selection of proper
3D Printing
materials



MALLAREDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda(H),
Gundlapochampally Village, Medchal Mandal, Medchal-
Malkajgiri District, Telangana State – 500100


CIRCULAR

Date: 15/08/2020

All the 3rd/I Year/Sem students are hereby informed that the Malla Reddy Engineering College (Autonomous) is planning to organize Value Added Courses like Remote Controlled Robotics, Multimedia - 2D & 3D Basic Animations, Green Matte Studio - Audio Effects/Transitions, Software's related to 3D Printing Selection of proper 3D Printing, Advanced JAVA in Centre Of Excellence. In this regard Interested students are hereby directed to register for these Courses online or before 20/08/2020. For further details, please contact Centre of Excellence, MREC(A)

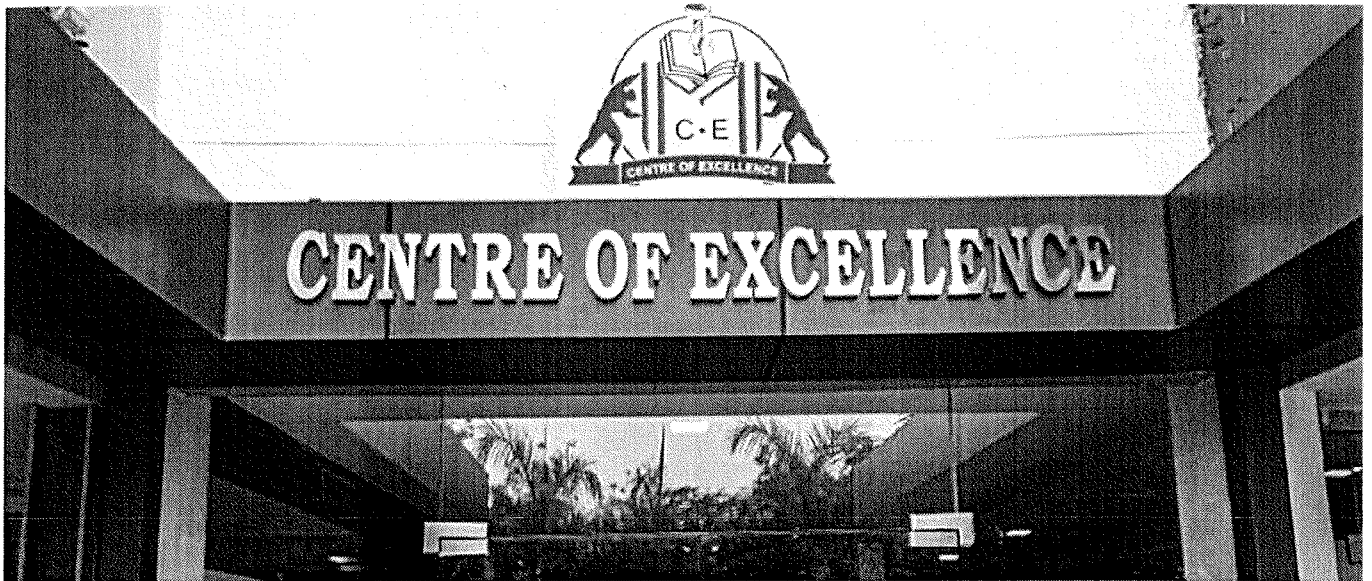
Copy to;

1. All HOD's-for information & circulation among staff
2. To be displayed in all notice board
3. Controller of Examination
4. Confidential Section Exam Branch
5. Group Admin Officer
6. Library
7. Physical Director-for necessary action
8. Security Officer-for necessary action
9. Transport Manager-for necessary action
10. TEQIP Coordinator & Academic Cell
11. Admin Office
12. System Admin
13. Placement Cell
14. PA to Principal for Filing


Principal
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100



MALLA REDDY ENGINEERING COLLEGE
MAIN CAMPUS, AUTONOMOUS INSTITUTION
Maisammaguda, Dhulapally (Post) via Kompally,
Secunderabad-500100 Medchal - Malkajgiri District Telangana, India



ADITIVE MANUFACTURING

Design for Additive Manufacturing(PDC)& (CREO)

Solid Based Additive Manufacturing(FDM)& (LOM)

Liquid Based Additive Manufacturing (SLA)

Powder Based Additive Manufacturing (SLS)
Rapid Prototyping - I , Rapid Prototyping - II

Course Duration -: 4 Months

**Learn Aditive Manufacutring
& Develop Your Designing Skills.**



MALLA REDDY ENGINEERING COLLEGE
(Autonomous)
CENTRE OF EXCELLENCE

3D Printing Software's

Course Code: CFEA03

Duration:30 Hours

Course Objective: This course will demonstrate how to use 3D printing software to create digital designs that can be turned into physical objects and will provide step-by-step instructions to guide you through two popular 3D modeling programs, Tinkercad and Fusion 360

Syllabus

UNIT-I: **6Hours**

CAD model preparation using modeling software's - File type conversions

UNIT-II: **6Hours**

Software's related to model slicing: Part orientation and support structure generation – Model slicing -Tool path generation - G-code

UNIT-III: **6Hours**

Introduction to lithophane software's and Download of various STL files provided by Thingiverse

UNIT-IV: **6Hours**

Introduction to 3D Scanning and Reverse Engineering
Selection of proper 3D Printing materials for different applications


UNIT-V: **6Hours**

Additive Manufacturing Application Domains: Aerospace, Electronics, Health Care, Defence, Automotive, Construction, Food Processing.

Course Outcomes:

Learners who complete this course will be able to use 3D software to design a wide variety of objects for both personal and professional use.


PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

	<p>MALLA REDDY ENGINEERING COLLEGE (Autonomous) Maisammaguda(H), Gundlapochampally Village, Medchal Mandal, Medchal-Malkajgiri District, Telangana State - 500100</p>	<p>Course: Software's related to 3D Printing Selection of proper 3D Printing Date:17/08/2020 to 28/01/2020</p>
--	---	--

Enrolled Students

SL.No	Roll No	NAME	BRANCH
1.	18J41A0125	JOHN SUSHANTH RAJ.G	CE
2.	18J41A0126	K.VIKAS	CE
3.	18J41A0127	K.SRINATH	CE
4.	18J41A0128	K PRASHANTH	CE
5.	18J41A0129	KATAM AKSHAY REDDY	CE
6.	18J41A0130	K.SAI VINAY REDDY	CE
7.	18J41A0131	MANOJ KUMAR KOTHA	CE
8.	18J41A0132	KURAPATI TARUN CHANDRA DEEP	CE
9.	18J41A1227	KESIREDDY SAMARA SIMHA REDDY	IT
10.	18J41A1228	KOMMU PAVAN SAI	IT
11.	18J41A1229	M VINAY KUMAR REDDY	IT
12.	18J41A1230	MAMMAI BHAVYA	IT
13.	18J41A1231	MANNEPALLI VAMSHI	IT
14.	18J41A1232	MOLUGU AKSHAYA	IT
15.	18J41A1233	MOTHA RAHUL	IT
16.	18J41A1234	NARALA ALEKHYA	IT
17.	18J41A0229	KASTURI RAGHUNANDAN	EEE
18.	18J41A0230	KOLA NAVEEN	EEE
19.	18J41A0231	KOPPULA LOHITH	EEE
20.	18J41A0232	M V LAXMI PRASANNA	EEE
21.	18J41A0233	M.SNEHA RAJ	EEE
22.	18J41A0234	MAHIPATHI AKSHITH	EEE
23.	18J41A0235	MARAGANI.MAHATHI	EEE
24.	18J41A0237	MOHAMMED ABDUL TABRAZUL SOHAIL	EEE
25.	18J41A0238	MYAKA VINAY REDDY	EEE
26.	18J41A0326	KURAPATI AKHILESH	ME
27.	18J41A0327	LAVUDYA SUNIL	ME
28.	18J41A0328	MAHARAJU HRUTHIK	ME
29.	18J41A0329	MANNE THARUN	ME
30.	18J41A0330	METLA SIDDHANTH	ME
31.	18J41A0331	MITTAPELLI SUMANTH	ME
32.	18J41A0332	MOGGULANNA VAMSHIDHAR REDDY	ME
33.	18J41A0333	MOHAMMED ALTHAF HUSSAIN	ME
34.	18J41A0429	MANNE USHA SRI	ECE
35.	18J41A0430	MEGHNA SURESH	ECE
36.	18J41A0431	MIRZA IBRAHIM BAIG	ECE
37.	18J41A0432	M.VARSHITH	ECE
38.	18J41A0433	MITTAPALLY SAI KIRAN REDDY	ECE
39.	18J41A0434	MOHAMMAD ASIF	ECE
40.	18J41A0435	MOHAMMAD RAHMANONNN.	ECE
41.	18J41A0436	MURARISHETTI SHIVA KUMAR	ECE
42.	18J41A0437	M.MADHUMITHA REDDY	ECE
43.	18J41A2502	BANDI NAVEEN	MINI NG
44.	18J41A2503	BANOTH KALYAN	MINI NG
45.	18J41A2504	BANOTH NAVEEN	MINI NG
46.	18J41A2505	BHEEMA NAVEEN	MINI NG
47.	18J41A2506	BHUKYA SURESH	MINI NG
48.	18J41A2507	BOBBA RAVI KIRAN REDDY	MINI NG

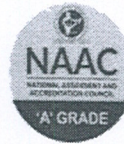
49.	18J41A2508	BOLLEDA INDRASENA REDDY	MINI NG
50.	18J41A2509	BONGONI ROHITH	MINI NG
51.	18J41A0528	KATHI VAMSHI KRISHNA	CSE
52.	18J41A0529	KATRAVATH GANGA	CSE
53.	18J41A0530	KONA RAMYA	CSE
54.	18J41A0531	KOPPULA SAI PHANI	CSE
55.	18J41A0532	KOTTE HEMANTH	CSE
56.	18J41A0533	KUTHURU KARTHIK	CSE
57.	18J41A0534	MADGULA UDAY KUMAR	CSE
58.	18J41A0535	MADHIRA SAINATH	CSE
59.	18J41A0536	MALLEPALLI HIMAJAREDDY	CSE
60.	18J41A0537	MOHAMMED TABREZ	CSE

Revised
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
 Maisammaguda, Dhulapally,
 (Post Via Kompally), Sec'bad-500 100



MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS AUTONOMOUS INSTITUTION



CERTIFICATE

OF COURSE COMPLETION

This is to Certify that

K.SRINATH

*has Successfully Completed Software related to 3D Printing
Course offered by Centre of Excellence*

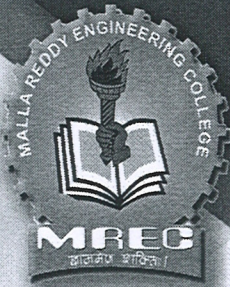
28/01/2021

*MREC(A) on 18J41A0127 bearing with
Roll No. _____ and Branch _____.*

**N. RISHIKANTH
DEAN (COE)**

**Dr.A.Ravendra
Principal**

Ravendra
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Malsammaguda, Dhulapally,
(Post Via Kempally), Sec'bad-500 100



MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS AUTONOMOUS INSTITUTION



CERTIFICATE

OF COURSE COMPLETION

This is to Certify that

KOPPULA LOHITH

has Successfully Completed Software related to 3D Printing

Course offered by Centre of Excellence 28/01/2021

MREC(A) on _ 18J41A0231 _ bearing with

Roll No. _ and Branch _

N. RISHIKANTH
DEAN (COE)

Dr. A. Ravendra
Principal

Ravendra
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100



MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS AUTONOMOUS INSTITUTION



CERTIFICATE

OF COURSE COMPLETION

This is to Certify that

MAMMAI BHAVYA

*has Successfully Completed Software related to 3D Printing
Course offered by Centre of Excellence*

28/01/2021

MREC(A) on 18J41A1230 bearing with
Roll No. _____ and Branch _____.

**N. RISHIKANTH
DEAN (COE)**

**Dr. A. Ravendra
Principal**

Ravend
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post via Kompally), Sec'bad-500 100



MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS AUTONOMOUS INSTITUTION



CERTIFICATE

OF COURSE COMPLETION

This is to Certify that

METLA SIDDHANTH

has Successfully Completed Software related to 3D Printing

Course offered by Centre of Excellence 28/01/2021

MREC(A) on _ 18J41A0330 _ bearing with ME

Roll No. _____ and Branch _____.

**N. RISHIKANTH
DEAN (COE)**

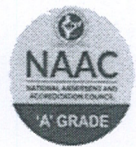
**Dr. A. Ravendra
Principal**

Ravend
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100



MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS AUTONOMOUS INSTITUTION



CERTIFICATE

OF COURSE COMPLETION

This is to Certify that

KOTTE HEMANTH

*has Successfully Completed Software related to 3D Printing
Course offered by Centre of Excellence*

28/01/2021

MREC(A) on _ 18J41A0532 _ bearing with

CSE

Roll No. _____ and Branch _____.

**N. RISHIKANTH
DEAN (COE)**

**Dr.A.Ravendra
Principal**

Ravend
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisamma guda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100