



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

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

CIRCULAR

Date: 27/11/2019

All the 3rd /II Sem Year students are hereby informed that the Malla Reddy Engineering College (Autonomous) is planning to organize Value Added Courses like IOT, Motion Control Robots, Multimedia – VFX, Green Matte Studio - Video Effects/Transitions, Anatomy of a 3D demo of 3D Printing, Advanced PYTHON in Centre Of Excellence. In this regard Interested students are hereby directed to register for this Courses on or before 02/12/2019. For further details, please contact Centre of Excellence, MREC(A)


Principal

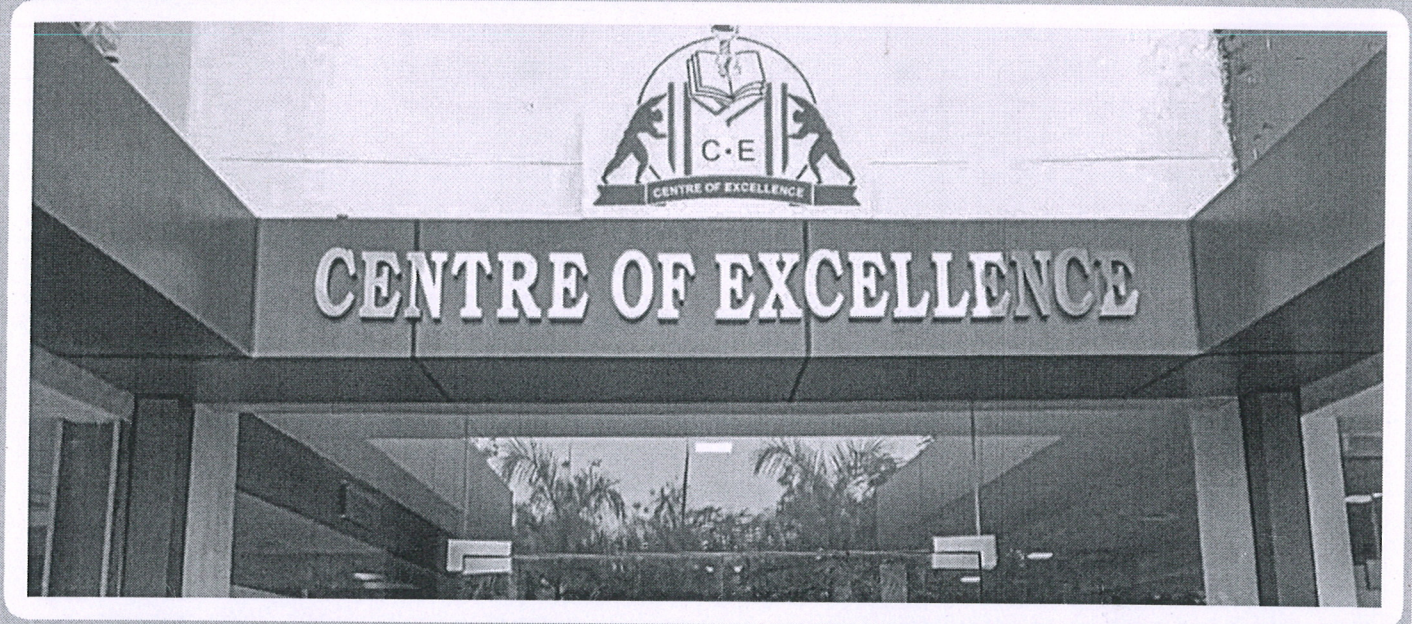
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100.

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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.**

Ravi
Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Kompally), Secbad-500100

	MALLA REDDY ENGINEERING COLLEGE (Autonomous) CENTRE OF EXCELLENCE	B. Tech VI Semester		
		CODE:	Anatomy and Hands-on experience of a 3D printing	L

Introduction to 3D Printer: Working Principle and Step by Step approach of 3D Printing

Anatomy of a Fused Deposition Modeling (FDM) 3D Printer and FDM Process

Live demo of 3D Printing - FDM/FFF: 3D Printer operating and troubleshooting

Hands-on 3D printing-Printing of various models with the 3D Printer

3D Printing Project execution - From Idea to Finished part

Final Presentations and Demonstrations by the students

Raveend
Principal

Malla Reddy Engineering College
 Maisammaguda, Dhulapally,
 (Post Via Kompally), Sec'bad-500100



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(Autonomous)
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Medchal Mandal, Medchal-Malkajgiri District,
Telangana State - 500100

Course: Anatomy
of a 3D Printer
Live demo of 3D
Printing -
FDM/FFF

Date:02/12/2019
to 28/03/2020

Registered Students

SL.No	Roll No	NAME	BRANCH
1.	17J41A0102	ANTHANNA GARI KARTHIK	CE
2.	17J41A0108	BANOTH ABHIMANYUDU	CE
3.	17J41A0113	CHILUGURAJU PRÉM SAI SIDDHAARTHA	CE
4.	17J41A0118	DUDIGANI SRI HARSHA	CE
5.	17J41A1201	AKITI ROHITH REDDY	IT
6.	17J41A1207	BATTU NAVEEN RAJU	IT
7.	17J41A1213	DANNAPUNENI VENKATESHWAR RAO	IT
8.	17J41A1219	INDRAGANTI SHANMUKHA PRIYA	IT
9.	17J41A1223	KOTHA MANASA	IT
10.	17J41A0204	AYINAVILLI VENKATA SATYA PAVAN TEJA	EEE
11.	17J41A0212	BONTALA VISHNU KUMAR	EEE
12.	17J41A0227	KETHIRI SAI KRISHNA	EEE
13.	17J41A0302	ADUDHODLA SANDEEP REDDY	ME
14.	17J41A0306	CHANDA CHANDRA SEKHAR REDDY	ME
15.	17J41A0310	DADIGE MUTHYAM	ME
16.	17J41A0315	DIRISINA RIZWAN	ME
17.	17J41A0319	GEET AMAN KUMBHA	ME
18.	17J41A0327	KASAROLLA RAJU	ME
19.	17J41A0328	KOLAMURU SAI HARSHA	ME
20.	17J41A0401	ANKIT KUMAR CHADDA	ECE
21.	17J41A0405	BELDE UJITH KUMAR	ECE
22.	17J41A0414	GANDU DEEKSHITH	ECE
23.	17J41A0422	JINDAM SUHAS	ECE
24.	17J41A2515	KALAYALA SUBHASH KUMAR REDDY	MINING
25.	17J41A2526	MUHAMMED ABDUL NADEEM AWEZ	MINING
26.	17J41A0587	KANDULA NIRMALA	CSE
27.	17J41A0591	KOTHAPALLY AKSHITHA	CSE
28.	17J41A0597	MOHD TANVEER ALI	CSE
29.	17J41A05A0	NALLAMALA KOUSHIK	CSE
30.	17J41A0530	KUTHATI HARIKA	CSE

Raveesh
Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100

Anatomy and Hands-on experience of a 3D printing

This course will help you understand how 3D printing is being applied across a number of domains, including design, manufacturing, and retailing. It will also demonstrate the special capabilities of 3D printing such as customization, self-assembly, and the ability to print complex objects. In addition to business applications, this course will also examine how individuals, including those in developing countries, are using this technology to create solutions to the problems they face. This course will also provide an overview of design thinking and how you can use this framework to develop ideas that can be turned into objects. Students who complete this course will obtain a rich understanding of the capabilities of 3D printing and how to think about designing objects for this new technology. The course imparts training in core additive manufacturing technologies Fused deposition modeling (FDM) which is commonly used for modeling, prototyping, and production applications.

3D printing is a technique of creating 3D objects from a digital 3D or CAD model. In this process, the material is solidified or joined under the control of the computer to create a three-dimensional object. There are a wide range of software applications that helps you to create and print 3D structures. These tools support varieties of file formats like .obj, .stl, .x3d, and. vrmf, and more.

Learning outcomes

Having completed this course, students should be able to:

- Will know how to make a virtual design of objects using a CAD software's 3D modeling program and copying an existing object using a 3D scanner.
- Students will know the modeling process of preparing geometric data for 3D printer and the 3D scanning process of analyzing and collecting digital data on the shape and appearance of objects.
- Students will know the process of how FDM works
- Students will get introduced to manual controls of 3DP
- Students will get 3D printed models that they design.

Ravindra
Principal



MALLA REDDY ENGINEERING COLLEGE
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Certificate
Of the Course Completion

This is to Certify that

MOHD TANVEER ALI

has Successfully Completed Anatomy of a 3D Printer & Live Demo
Offered by Centre of Excellence, MREC(A) on 28/03/2020 bearing
with Roll No. 17J41A0597 and Branch CSE.

Dr.N.Rishikanth
COE Dean

Kaveesh
Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100

Dr.S.Sudhakara Reddy
Conference Chair &Principal



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Certificate
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This is to Certify that

KETHIRI SAI KRISHNA

has Successfully Completed Anatomy of a 3D Printer & Live Demo
Offered by Centre of Excellence, MREC(A) on 28/03/2020 bearing
with Roll No. 17J41A0227 and Branch EEE.

Dr.N.Rishikanth
COE Dean

Principal
Malla Reddy Engineering College
Watsampadu, Dhulapally,
(Post: Veda Koravani, Dist: Khammam)

Dr.S.Sudhakara Reddy
Conference Chair &Principal



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Certificate
Of the Course Completion

This is to Certify that

JINDAM SUHAS

has Successfully Completed Anatomy of a 3D Printer & Live Demo
Offered by Centre of Excellence, MREC(A) on 28/03/2020 bearing
with Roll No. 17J41A0422 and Branch ECE.

Dr.N.Rishikanth
COE Dean

Raveendh
Principal
Malla Reddy Engineering College
Matsammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100

Dr.S.Sudhakara Reddy
Conference Chair &Principal



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This is to Certify that

CHILUGURAJU PREM SAI SIDDHAARTHA

has Successfully Completed Anatomy of a 3D Printer & Live Demo
Offered by Centre of Excellence, MREC(A) on 28/03/2020 bearing
with Roll No. 17J41A0113 and Branch CE.

Dr.N.Rishikanth
COE Dean

Principal
Malla Reddy Engineering College
Matsammaguda, Dhulapally,
(Post Via Kompally), Sec 7bad-500100

Dr.S.Sudhakara Reddy
Conference Chair &Principal



MALLA REDDY ENGINEERING COLLEGE
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Certificate
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This is to Certify that

CHANDA CHANDRA SEKHAR REDDY

has Successfully Completed Anatomy of a 3D Printer & Live Demo
Offered by Centre of Excellence, MREC(A) on 28/03/2020 bearing
with Roll No. 17J41A0306 and Branch ME.

Dr.N.Rishikanth
COE Dean

Principal
Malla Reddy Engineering College
Maisamguda, Dhulapally,
(Post Via Kompally, Sec Bad-500100)

Dr.S.Sudhakar Reddy
Conference Chair &Principal