



MALLA REDDY ENGINEERING COLLEGE
(Autonomous)

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

CIRCULAR

Date: 12/12/2018

All the 3rd/II Year/Sem students are hereby informed that the Malla Reddy Engineering College (Autonomous) is planning to organize Value Added Courses like Multimedia - 3D Basic Animations, Green Matte Studio - Video Effects/Transitions, Anatomy of a 3D Printer, Live demo of 3D Printing, Advanced PYTHON, Blockchain Revolution in Centre Of Excellence. In this regard Interested students are hereby directed to register for this Courses on or before 17/12/2018. For further details, please contact Centre of Excellence, MREC(A)

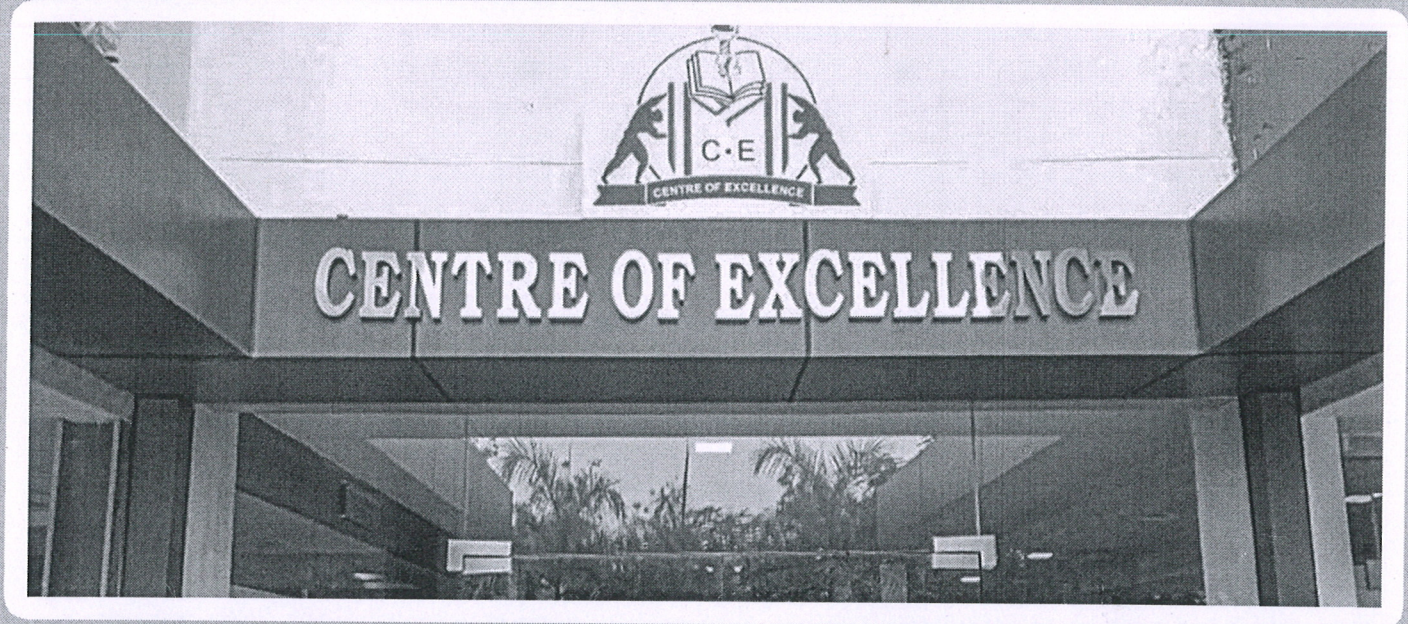

Principal

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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), Sec'bad-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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COLLEGE (Autonomous)
Maisammaguda(H), Gundlapochampally
Village,
Medchal Mandal, Medchal-Malkajiri
District,
Telangana State - 500100

Course:Anatomy of a 3D
Printer, Live demo of 3D
Printing - FDM/FFF
Date:17/12/2018 to
13/04/2019

Registered Students

SL.No	Roll No	NAME	BRANCH
1	16J41A0163	ANIL KUMAR JANGID	CE
2	16J41A0173	EDURUGATLA GOUTHAM	CE
3	16J41A0176	GANDESRI BHARGAV	CE
4	16J41A0180	GUDE LALITHADITYA	CE
5	16J41A0184	GURRAM SAI VIKRAM	CE
6	16J41A0232	KOTTAKONDA SAIRAM	EEE
7	16J41A0236	M VISHAL	EEE
8	16J41A0247	PENDAM BHARATH	EEE
9	16J41A0252	SHAIK ANEEF	EEE
10	16J41A0254	SHIVA PRASAD HOWJI	EEE
11	16J41A0260	VINNAKOTA MADHU MANASA	EEE
12	16J41A0365	BADIYA VIKAS	ME
13	16J41A0369	BANOTHU REVANTH KUMAR	ME
14	16J41A0375	DASYAM NIKHIL	ME
15	16J41A0381	GORLLA NARESH	ME
16	16J41A0387	KANDIKANTI TEJESH GOUD	ME
17	16J41A0391	KHAN SALMAN SERAJ	ME
18	16J41A0461	ADI ANDHRA GURURAJ	ECE
19	16J41A0471	CHEPURI SUDHAKAR	ECE
20	16J41A0472	CHUNCHU SAI RAM	ECE
21	16J41A0477	G.E. RAJASEKHAR GOUD	ECE
22	16J41A0481	JAMI RAKESH	ECE
23	16J41A0484	KADARAM TRISHEELA	ECE
24	16J41A0488	KANDHADI NIKHIL REDDY	ECE
25	16J41A0566	BOINAPALLY HARSHITHA	CSE
26	16J41A0570	DONTHULA AKHIL RAJ	CSE
27	16J41A0576	GOVULA SURESH KOUSHIK	CSE
28	16J41A0581	KAIRAMKONDA VIJAYA SREE	CSE
29	16J41A0588	KORE SWAPNA	CSE
30	16J41A0594	MARRI SAI KRISHNA	CSE

Raneesh
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

KAIRAMKONDA VIJAYA SREE

*has Successfully Completed Anatomy of a 3D Printer, Live demo of
3D Printing - FDM/FFF Course Offered by Centre of Excellence,
MREC(A) on 13/04/2019 bearing with Roll No. 16J41A0581
and Branch CSE.*

Dr. Yogesh Madaria
CONVENOR

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

Dr. S. Sudhakara Reddy
Conference Chair & Principal



MALLA REDDY ENGINEERING COLLEGE

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Certificate Of the Course Completion

This is to Certify that

KANDHADI NIKHIL REDDY

*has Successfully Completed Anatomy of a 3D Printer, Live demo of
3D Printing - FDM/FFF Course Offered by Centre of Excellence,
MREC(A) on 13/04/2019 bearing with Roll No. 16J41A0488
and Branch ECE.*

Dr. Yogesh Madaria
CONVENOR

Principal
Malla Reddy Engineering College

Dr. S. Sudhakara Reddy
Conference Chair & Principal



MALLA REDDY ENGINEERING COLLEGE

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Certificate Of the Course Completion

This is to Certify that

KOTTAKONDA SAIRAM

*has Successfully Completed Anatomy of a 3D Printer, Live demo of
3D Printing - FDM/FFF Course Offered by Centre of Excellence,
MREC(A) on 13/04/2019 bearing with Roll No. 16J41A0232
and Branch EEE.*

Dr. Yogesh Madaria
CONVENOR

Principal
Malla Reddy Engineering College
Maisemmaguda, Dhulapally,
Dist. VV. Kompally, Sec'bad-500100

Dr. S. Sudhakara Reddy
Conference Chair & Principal



MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS, AUTONOMOUS INSTITUTION



Certificate Of the Course Completion

This is to Certify that

BANOTHU REVANTH KUMAR

*has Successfully Completed Anatomy of a 3D Printer, Live demo of
3D Printing - FDM/FFF Course Offered by Centre of Excellence,
MRECA on 13/04/2019 bearing with Roll No. 16J41A0369
and Branch ME.*

Dr. Yogesh Madaria
CONVENOR

Dr. S. Sudhakara Reddy
Conference Chair & Principal

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



MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS, AUTONOMOUS INSTITUTION



Certificate Of the Course Completion

This is to Certify that

GUDE LALITHADITYA

*has Successfully Completed Anatomy of a 3D Printer, Live demo of
3D Printing - FDM/FFF Course Offered by Centre of Excellence,
MREC(A) on 13/04/2019 bearing with Roll No. 16J41A0180
and Branch CE.*

Dr. Yogesh Madaria
CONVENOR

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

Dr. S. Sudhakara Reddy
Conference Chair & Principal