



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

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


CIRCULAR

Date: 23/06/2017

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 -I, Multimedia - 3D Basic Concepts, Multimedia - 3D Basic Concepts, Software's related to 3D Printing and Selection of proper 3D Printing materials in Centre Of Excellence. In this regard Interested students are hereby directed to register for this Courses on or before 28/06/2017. For further details, please contact Centre of Excellence, MREC(A)

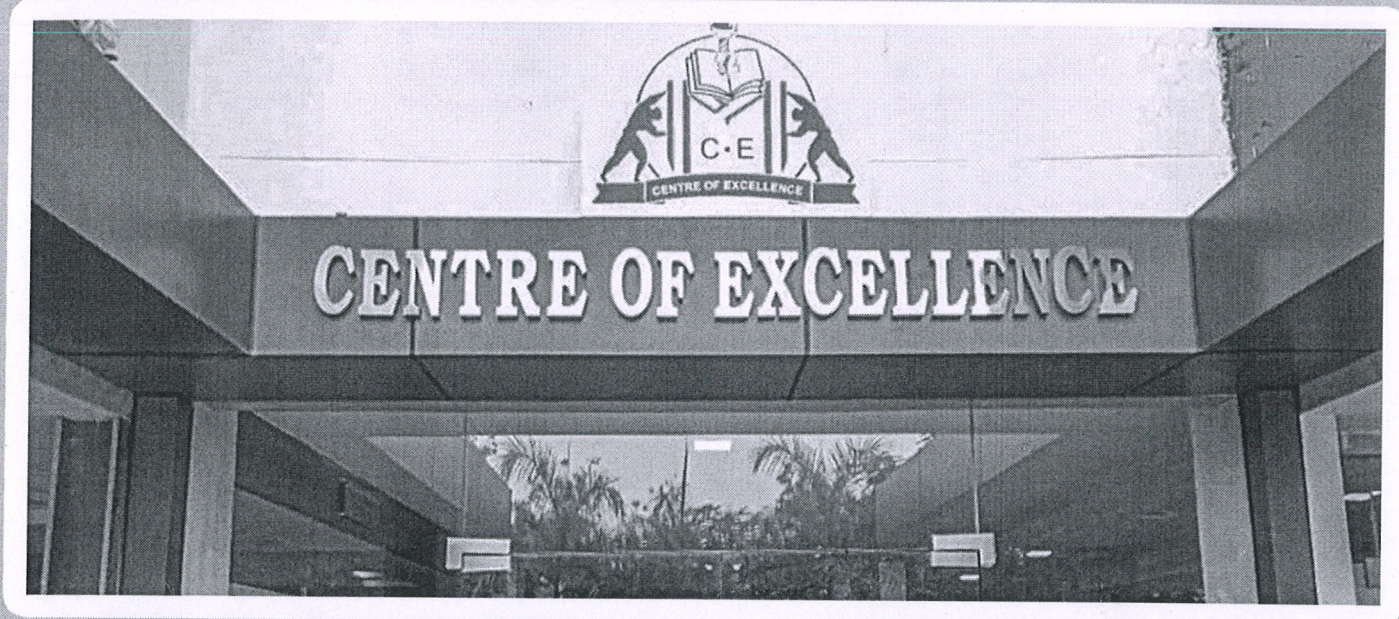
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Principal
Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100



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 Manufacturging
& 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 V Semester		
		CODE:	3D Printing Software's	L

Introduction 3D Printing Software's: CAD model preparation using modeling software's
-File type conversions

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

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

Introduction to 3D Scanning and Reverse Engineering. Additive Manufacturing
Application Domains: Aerospace, Electronics, Health Care, Defence, Automotive, Construction,
Food Processing.

Selection of proper 3D Printing materials for different applications

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



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

Course: Software's related to
3D Printing Selection of
proper 3D Printing

Date:28/06/2017 to
27/10/2017

Registered Students

SL.No	Roll No	NAME	BRANCH
1	15J41A01D1	GANGONI CHANDRAKANTH	CE
2	15J41A01E2	KASULA MEGHANA REDDY	CE
3	15J41A01E9	M NANDITHA	CE
4	15J41A01F3	MD YAHYA ALAM	CE
5	15J41A01F6	MOKKA SOWJANYA	CE
6	15J41A0227	KAGITHAPU RAVI CHANDRA	EEE
7	15J41A0237	MOHAMMED ASIF	EEE
8	15J41A0242	PEDDAPALLI VAMSHI	EEE
9	15J41A0246	R HEMANTH KUMAR	EEE
10	15J41A0249	REPAKA SAIDINESH	EEE
11	15J41A03D3	BINGI MANOHAR	ME
12	15J41A03D9	DASARI NAVEEN KUMAR	ME
13	15J41A03E4	GOWRAVAJHALA SAI PRAFFUL	ME
14	15J41A03E9	KANCHARLA AKHIL	ME
15	15J41A03F2	MANDAVA DINESH	ME
16	15J41A04D2	CHINTHAKURI HARIKA	ECE
17	15J41A04D8	GAJJALA SAI TEJA	ECE
18	15J41A04E4	HAPAVATH RAHUL NAIK	ECE
19	15J41A04E8	KORRA NARESH	ECE
20	15J41A04F1	KUPPALA VARSHA SAI	ECE
21	15J41A2535	NARRA PRADEEP REDDY	MINING
22	15J41A2541	PILLALA SUMANTH	MINING
23	15J41A2546	SANDRALA NAGENDAR	MINING
24	15J41A2552	SYED TAHMEED SUBHANI KAMRAN	MINING
25	15J41A2556	YELIGETI SHRAVANKUMAR	MINING
26	15J41A05D2	BOLLU SAIPRASAD	CSE
27	15J41A05D8	DEGALA DILIP	CSE
28	15J41A05E3	ILLURI AISHWARYA	CSE
29	15J41A05E8	KOLLA POOJA	CSE
30	15J41A05F1	MACHKURI SURYAKANTH	CSE

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

3D Printing Software's

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. 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.

3D printing software programs are key for high quality printing, designing and monitoring — without software, 3D printers are just machines with no direction. 3D printer software take a variety of different forms: 3D software modeling tools to design 3D models, 3D slicers to slice STL files for printing, and specialist software for fixing errors in your models.

3D printing software facilitates the printing of 3D objects created inside of 3D modeling software by translating the model into data a 3D printer can understand. 3D printing software is also sometimes called slicer software because it breaks down a 3D model into sections, enabling a 3D printer to create the object slice by slice.

Autodesk's Fusion 360 is a versatile CAD package that has all the features needed to develop products from the conceptual phase through design verification to manufacturing on both traditional and digital fabrication tools like 3D printing. Fusion 360 is a cloud-based CAD platform that is an affordable, highly capable alternative to other major players in the industry. It is easy to use and has all the common features you can expect from popular CAD packages. Fusion 360 was built from the ground up to be an all-encompassing product development solution and aims to offer a simple workflow from conceptual design all the way through manufacturing.

Cura is simple but powerful 3D slicing software produced by Ultimaker. The print profiles are optimised for Ultimaker 3D printers, but the software will slice 3D files for any 3D printer brand/model. The software supports STL, 3MF and OBJ 3D file formats and also has a function that will import and convert 2D images (.JPG .PNG .BMP and .GIF) to 3D extruded models. The software will allow you to open and place multiple models on the print bed (each with different slicing settings if required). This allows you to print multiple models at a time, making classroom management of the printing process simpler.



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Certificate

Of the Course Completion

This is to Certify that

ILLURI AISHWARYA

*has Successfully Completed Software's related to 3D Printing Selection of
proper 3D Printing Offered by Centre of Excellence, MREC(A)
on 27/10/2017 bearing with Roll No. 15J41A05E3 and*

Branch CSE.

Yogesh Madaria

Dr. Yogesh Madaria
CONVENOR

Raveesh

Dr. S. Sudhakara Reddy

Principal
Malla Reddy Engineering College
Maisamaguda, Dhulapally,

Dr. S. Sudhakara Reddy
Conference Chair & Principal

(Post: Via Kompally), Sec'bad-500100



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Dr. Yogesh Madaria
CONVENOR

Principal

Dr. S. Sudhakara Reddy
Conference Chair & Principal

Malla Reddy Engineering College

Maisammaguda, Dhulapally,
(Post Via Kompally), Sec 'bad'-500100



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This is to Certify that

KANCHARLA AKHIL

*has Successfully Completed Software's related to 3D Printing Selection of
proper 3D Printing Offered by Centre of Excellence, MREC(A)
on 27/10/2017 bearing with Roll No. 15J41A03E9 and*

Branch ME.

Dr. Y. Madhava

Dr. Yogesh Madharia
CONVENOR

Raveesh

Principal
Malla Reddy Engineering College

Maisammaguda, Dhulapally

(Post Via Kompally), Sec'bad-500100

Dr. S. Sudhakara Reddy

Dr. S. Sudhakara Reddy
Conference Chair & Principal



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M NANDITHA

*has Successfully Completed Software's related to 3D Printing Selection of
proper 3D Printing Offered by Centre of Excellence, MREC(A)
on 27/10/2017 bearing with Roll No. 15J41A01E9 and*

Branch CE.

Dr. Yogesh Madaria
CONVENOR

Principal
Malla Reddy Engineering College
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Dr.S.Sudhakara Reddy
Conference Chair &Principal



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Branch ME.

Dr. Yogesh Madaria
CONVENOR

Dr. S. Sudhakara Reddy
Conference Chair & Principal

Principal
Malla Reddy Engineering College

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