



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

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

CIRCULAR

Date: 04/07/2018

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 & II, Multimedia - 2D 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 this Courses on or before 09/07/2018. For further details, please contact Centre of Excellence, MREC(A)

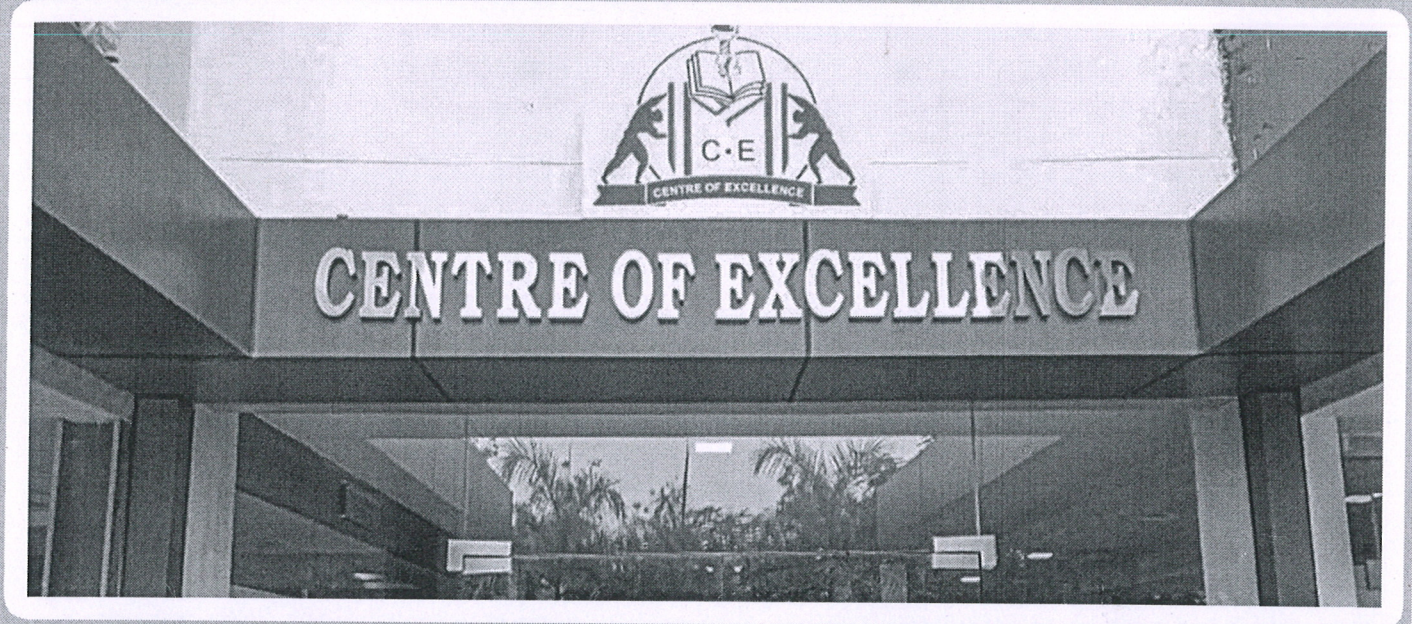
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Principal
Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100



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:09/07/2018 to
10/11/2018

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

Ramesh

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

KAIRAMKONDA VIJAYA SREE

*has Successfully Completed Software's related to 3D Printing Selection
of proper 3D Printing Course Offered by Centre of Excellence, MREC(A)
on 10/11/2018 bearing with Roll No. 16J41A0581 and*

Branch CSE.

Dr. Yogesh Madaria
CONVENOR

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapal
(Post Via Kompally, Sec 8A)

Dr. S. Sudhakara Reddy
Conference Chair & Principal



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Certificate Of the Course Completion

This is to Certify that

KANDIKANTI TEJESH GOUD

*has Successfully Completed Software's related to 3D Printing Selection
of proper 3D Printing Course Offered by Centre of Excellence, MREC(A)
on 10/11/2018 bearing with Roll No. 16J41A0387 and*

Branch ME.

Dr. Yogesh Madaria
CONVENOR

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 Of the Course Completion

This is to Certify that

VINNAKOTA MADHU MANASA

*has Successfully Completed Software's related to 3D Printing Selection
of proper 3D Printing Course Offered by Centre of Excellence, MRECA(A)
on 10/11/2018 bearing with Roll No. 16J41A0260 and
Branch EEE.*

Dr. Yogesh Madaria
CONVENOR

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Dist: Nellore, Sec'bad-500100)

Dr. S. Sudhakara Reddy
Conference Chair & Principal



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Certificate Of the Course Completion

This is to Certify that

EDURUGATLA GOUTHAM

*has Successfully Completed Software's related to 3D Printing Selection
of proper 3D Printing Course Offered by Centre of Excellence, MREC(A)
on 10/11/2018 bearing with Roll No. 16J41A0173 and*

Branch CE.

Dr. Yogesh Madaria
CONVENOR

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

Dr. S. Sudhakara Reddy
Conference Chair & Principal



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Certificate Of the Course Completion

This is to Certify that

G.E. RAJASEKHAR GOUD

*has Successfully Completed Software's related to 3D Printing Selection
of proper 3D Printing Course Offered by Centre of Excellence, MRECA
on 10/11/2018 bearing with Roll No. 16J41A0477 and
Branch ECE.*

Dr. Yogesh Madaria
CONVENOR

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

Dr. S. Sudhakara Reddy
Conference Chair & Principal