



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

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

CIRCULAR

Date: 02/07/2019

All the 3rd /I Sem Year 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 & 3D Basic Animations, Software's related to 3D Printing Selection of proper 3D Printing materials, Advanced MATLAB(MATLB PRO), Advanced JAVA in Centre Of Excellence. In this regard Interested students are hereby directed to register for this Courses on or before 08/07/2019. For further details, please contact Centre of Excellence, MREC(A)


Principal

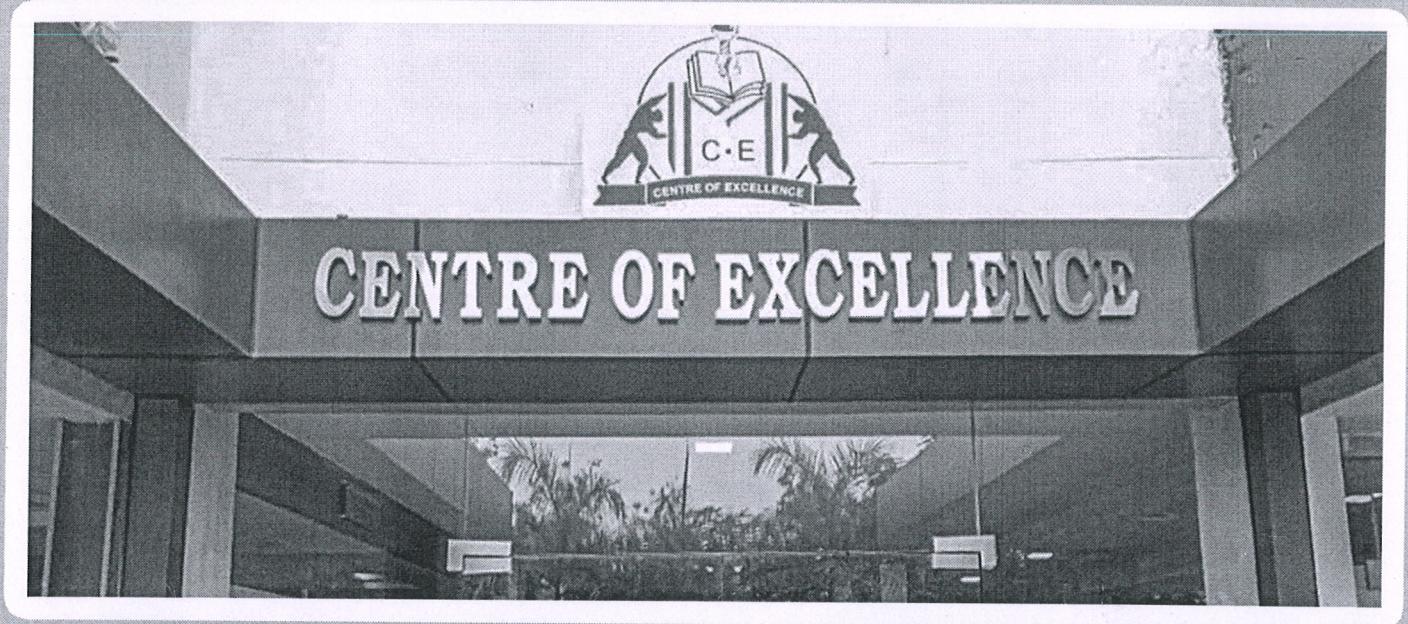
Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100

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 Filling



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), Sec'bad-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



MALLA REDDY ENGINEERING COLLEGE
(Autonomous)
Maisammaguda(H), Gundlapochampally Village,
Medchal Mandal, Medchal-Malkajgiri District,
Telangana State - 500100

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

Date:08/07/2019
to 01/11/2019

Registered Students

SL.No	Roll No	NAME	BRANCH
1.	17J41A0102	ANTHANNA GARI KARTHIK	CE
2.	17J41A0108	BANOTH ABHIMANYUDU	CE
3.	17J41A0113	CHILUGURAJU PREM 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

Raunoh
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.



MALLA REDDY ENGINEERING COLLEGE
MAIN CAMPUS, AUTONOMOUS INSTITUTION




Certificate
Of the Course Completion


This is to Certify that

ADUDHODLA SANDEEP REDDY

*has Successfully Completed Software Related to 3D Printing & Selection
Offered by Centre of Excellence, MREC(A) on 01/11/2019 bearing
with Roll No. 17J41A0302 and Branch ME.*


Dr.N.Rishikanth
COE Dean


Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Past Via Kompally), Sec: Vaid 598100


Dr.S.Sudhakar Reddy
Conference Chair &Principal



MALLA REDDY ENGINEERING COLLEGE
MAIN CAMPUS, AUTONOMOUS INSTITUTION



Certificate
Of the Course Completion

This is to Certify that

AKITI ROHITH REDDY

*has Successfully Completed Software Related to 3D Printing & Selection
Offered by Centre of Excellence, MREC(A) on 01/11/2019 bearing
with Roll No. 17J41A1201 and Branch IT.*

Dr.N.Rishikanth
COE Dean

Principal
Malla Reddy Engineering College
Malsammaguda, Dhulapally,
(Past Via Kompally), Sec 8-1, 500 109

Dr.S.Sudhakar Reddy
Conference Chair &Principal



MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS, AUTONOMOUS INSTITUTION



Certificate

Of the Course Completion

This is to Certify that

ANTHANNA GARI KARTHIK

*has Successfully Completed Software Related to 3D Printing & Selection
Offered by Centre of Excellence, MREC(A) on 01/11/2019 bearing
with Roll No. 17J41A0102 and Branch CE.*

Dr.N.Rishikanth
COE Dean

Principal
Malla Reddy Engineering College
Maisammaguda, Dhirapally
(Post Via Kompally), Sec 508-509-103

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

AYINAVILLI VENKATA SATYA PAVAN TEJA

*has Successfully Completed Software Related to 3D Printing & Selection
Offered by Centre of Excellence, MREC(A) on 01/11/2019 bearing
with Roll No. 17J41A0204 and Branch EEE.*


Dr.N.Rishikanth
COE Dean


Principal
Malla Reddy Engineering College
Malsamaguda, Dhulapally,
(Post Via 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

KOLAMURU SAI HARSHA

*has Successfully Completed Software Related to 3D Printing & Selection
Offered by Centre of Excellence, MREC(A) on 01/11/2019 bearing
with Roll No. 17J41A0328 and Branch ME.*

Dr.N.Rishikanth
COE Dean

Dr.S.Sudhakar Reddy
Conference Chair &Principal

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500120