



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

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

CIRCULAR

Date: 07/07/2017

All the 2nd/I Year/Sem students are hereby informed that the Malla Reddy Engineering College (Autonomous) is planning to organize Value Added Courses like Autonomous Robotics -I, Graphic Designing - I & II, Green Matte Studio - Audio Effects & Transitions, Design for Additive Manufacturing (Introduction to 3D Modeling), Data Science With R Programming, Foundations Of JAVA in Centre Of Excellence. In this regard Interested students are hereby directed to register for this Courses on or before 12/07/2017. For further details, please contact Centre of Excellence, MREC(A)


Principal

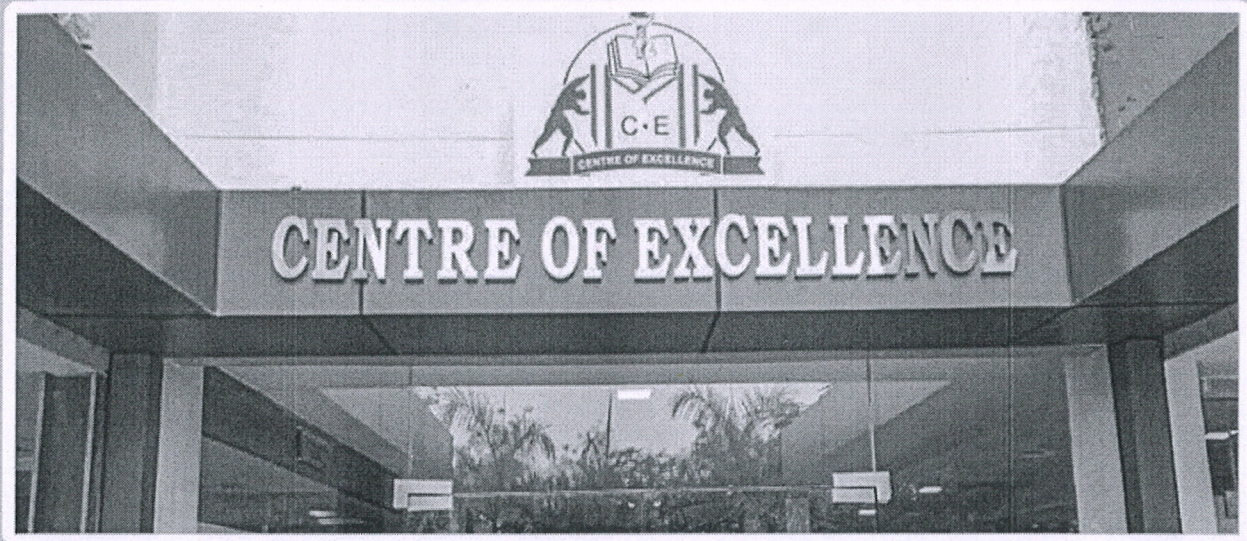
Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100

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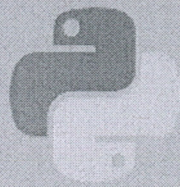
MALLA REDDY ENGINEERING COLLEGE
MAIN CAMPUS, AUTONOMOUS INSTITUTION
Maisammaguda, Dhulapally (Post) via Kompally,
Secunderabad-500100 Medchal - Malkajgiri District Telangana, India



COMPUTER SOFTWARE

HTML, PYTHON WITH DJANGO, JAVA,
SCRATCH PROGRAMMING

LAB VIEW, FOUNDATION OF BLOCK CHAIN,
MATLAB, BLOCK CHAIN REVOLUTION, MATLAB PRO,
ADVANCE JAVA, ADVANCE PYTHON.



python



Java

Course Duration -: 4 Months

**Before Software can be Reusable
it First has to be Usable.**

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



MALLA REDDY ENGINEERING COLLEGE

(An UGC Autonomous Institution, Affiliated to JNTUH,
Accredited 2nd time by NAAC with 'A' Grade & NBA)
Maisammaguda (H), Medchal-Malkajgiri District,
Telangana State – 500100

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Course Name: Data science with R - Programming

Data Science With R Course Syllabus

Module: 1 R Introduction

Overview of R Programming, Downloading and installing, Help of Function, Viewing documentation, General issues in R
Package Management,

Module: 2 Data Inputting in R

Data Types, Subsetting, Writing data, Reading from csv files, Creating a vector and vector operation, Initializing data frame, Control
structure, Re-directing R Output

Module: 3 Data Visualization

Creating bar chart and dot plot, Creating histogram and box plot, Plotting with base graphics, Plotting and coloring in R, free-demo-
class,

Module: 4 Basic Statistics

Computing Basic Statistics, Comparing means of two samples, Testing a proportion, Data Munging Basics, Module: 5 Functions and
Programming in R

Flow control: For loop, If condition, Debugging tools,

Module: 6 Data manipulation in R


List Management, Data Transformation, Merging Data Frames, Outlier Detection, Combining multiple vectors

Module: 7 R - Database

Performing queries, RODBC and DBI Package, Advanced Data handling, Combined and restructuring data frames

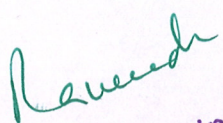
Module: 8 Statistical Modelling in R

Logical Regression, Hierarchical Clustering PCA for Dimensionality Reduction

	MALLA REDDY ENGINEERING COLLEGE (Autonomous) Maisammaguda(H), Gundlapochampally Village, Medchal Mandal, Medchal-Malkajgiri District, Telangana State - 500100	Course:DATA SCIENCE WITH R PRORAMMING
		Date:12/07/2017 to 11/11/2017

Registered Students

SL.No	Roll No	NAME	BRANCH
1.	16J41A0166	BEETLA NIKHIL	CE
2.	16J41A0173	EDURUGATLA GOUTHAM	CE
3.	16J41A0180	GUDE LALITHADITYA	CE
4.	16J41A0184	GURRAM SAI VIKRAM	CE
5.	16J41A0193	KONDAM DIVYA	CE
6.	16J41A0235	LAMBU VISHNU VARDHAN REDDY	EEE
7.	16J41A0240	MD ATIQ	EEE
8.	16J41A0247	PENDAM BHARATH	EEE
9.	16J41A0255	TAGARAM VEERESH	EEE
10.	16J41A0260	VINNAKOTA MADHU MANASA	EEE
11.	16J41A0361	AITHA REVANTH	ME
12.	16J41A0367	BANDARI MADHU	ME
13.	16J41A0373	CHINTAMALLA PRAVEEN KUMAR	ME
14.	16J41A0377	DHONDI MILIND	ME
15.	16J41A0381	GORLLA NARESH	ME
16.	16J41A0387	KANDIKANTI TEJESH GOUD	ME
17.	16J41A0389	KARAN SINGH	ME
18.	16J41A0391	KHAN SALMAN SERAJ	ME
19.	16J41A0464	ARE SAI KRISHNA	ECE
20.	16J41A0473	DASARI SAI SWAROOP	ECE
21.	16J41A0485	KADIRA ANUSHA	ECE
22.	16J41A0489	KANDHULA SAINATH REDDY	ECE
23.	16J41A0493	KOKA SITHARAMA RAJU	ECE
24.	16J41A0494	MAHAMMAD MUJEEB	ECE
25.	16J41A0562	ANUGU RUTHWIK REDDY	CSE
26.	16J41A0565	BHAROTHU BINDUMADHAVI	CSE
27.	16J41A0569	DONTHOJI SHIVANI	CSE
28.	16J41A0576	GOVULA SURESH KOUSHIK	CSE
29.	16J41A0584	KENCHAM SHILPA	CSE
30.	16J41A0591	MADDINENI DEEPIKA	CSE


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Malla Reddy Engineering College
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SUMMARY

Data Science With R Programming

Data science is an exciting discipline that allows you to turn raw data into understanding, insight, and knowledge. The goal of “R for Data Science” is to help you learn the most important tools in R that will allow you to do data science. RStudio is an integrated development environment, or IDE, for R programming

The R Foundation, a nonprofit focused on supporting the continued development of R through the R Project, describes R as “a language and environment for statistical computing and graphics.” But, if you’re familiar with R for data science, you probably know it’s a lot more than that.

R was created in the 1990s by Ross Ihaka and Robert Gentleman at the University of Auckland in New Zealand. The R language was modeled based on the S language developed at Bell Laboratories by John Chambers and other employees. Today, R is an open-source language; it’s accessible as a free software compatible with many systems and platforms.

Here are some important things to know about R in data science:

- **R is an open-source software.** R is free and adaptable because it’s an open-source software. R’s open interfaces allow it to integrate with other applications and systems. Open-source softwares have a high standard of quality, since multiple people use and iterate on them.
- **R is a programming language.** As a programming language, R provides objects, operators and functions that allow users to explore, model and visualize data.
- **R is used for data analysis.** R in data science is used to handle, store and analyze data. It can be used for data analysis and statistical modeling.
- **R is an environment for statistical analysis.** R has various statistical and graphical capabilities. The R Foundation notes that it can be used for classification, clustering, statistical tests and linear and nonlinear modeling.
- **R is a community.** R Project contributors include individuals who have suggested improvements, noted bugs and created add-on packages. While there are more than 20 official contributors, the R community extends to those using the open-source software on their own.



MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS, AUTONOMOUS INSTITUTION



Certificate

Of the Course Completion

This is to Certify that

AITHA REVANTH

*has Successfully Completed Data Science With Programming Course Offered by
Centre of Excellence, MREC(A) on 11/11/2017 bearing
with Roll No. 16J41A0361 and Branch ME.*

Dr. Yogesh Madararia
CONVENOR

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-506100

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

ANUGU RUTHWIK REDDY

has Successfully Completed Data Science With Programming Course Offered by
Centre of Excellence, MREC(A) on 11/11/2017 bearing
with Roll No. 16J41A0562 and Branch CSE.

Dr. Yogesh Madaria
CONVENOR

Principal

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

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

KONDAM DIVYA

has Successfully Completed Data Science With Programming Course Offered by
Centre of Excellence, MREC(A) on 11/11/2017 bearing
with Roll No. 16J41A0193 and Branch CE.

Dr. Yogesh Madaria
CONVENOR

Principal

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Dr. S. Sudhakar Reddy
Conference Chair & Principal