



**MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)**  
(An UGC Autonomous Institution, Affiliated to JNTUHI, Hyderabad Accredited 2<sup>nd</sup> time by NAAC  
with 'A' Grade & NBA  
Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad,  
Telangana State – 500100  
www.mrec.ac.in

## Department of Master of Business Administration

### CIRCULAR

Date: 15/09/2016

All the students are hereby informed that Value Added Course on “R-Programming” on date 25-09-2016 to 30-10-2016, is being organized by the Master of Business Administration. The resource person for the course is “Dr. K. Narshimha Chary”.

Students are advised to register their names to the programme coordinator “Mr.M.Balanji Reddy”, on or before 20 September and utilize this opportunity to enhance their skills by attending the programme.

The detailed schedule of the programme will be displayed in the notice board.

*lc-eeel*  
**Head of the Department**

HEAD OF THE DEPARTMENT  
Master of Business Administration  
MALLAREDDY ENGINEERING COLLEGE  
(AUTONOMOUS)  
Maisamma Guda, Sec'bad - 500 100

Copy to:

- 1) Circulation in Students classroom
- 2) All HOD's
- 3) Notice Boards
- 4) PA to principal for filing.



*Ravinder*  
**PRINCIPAL**  
Malla Reddy Engineering College  
(Autonomous)  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500 100

## About the Institution

**Malla Reddy Engineering College (Autonomous)** is one of the reputed engineering colleges in Hyderabad, Telangana. MREC (A) is part of Malla Reddy Group of Institutions (MRGI), founded by Sri. Ch. Malla Reddy, currently Hon'ble Minister, Labor and Employment, Factories, Women and Child Welfare and Skill Development, Govt. of Telangana State. The college is situated in a serene, lush green environment in Maisammaguda, Gundlapochampally, Medchal (M), Medchal-Malkajgiri District Telangana- 500100.

The college was established in 2002 and is an autonomous institution approved by UGC and affiliated to JNTUH. The college is re-accredited by NAAC with 'A' Grade (II Cycle) and was conferred autonomous status by JNTUH in 2011 and by UGC in 2014 for a period of 6 years. Our eligible UG and PG programs received NBA accreditation and some of them received reaccreditation too. The college caters to wide ranging aspirations and goals of student communities by offering new courses in UG courses provides PG courses and MBA along with programs in various streams of Engineering & Technology and Management. It boasts of world-class infrastructure and well-equipped laboratories in all departments and is skillfully and smartly guided by **Dr. A. Ramaswami Reddy, Director, MREC (A)** and **Dr. A. Raveendra, Principal, MREC (A)** who have a rich teaching and industrial experience.

## Advisory Committee

**Chief Patrons:** Sri. Ch. Malla Reddy, Minister-  
Telangana State-India.

Founder Chairman

**Malla Reddy Group of**

**Institutions**

**Patrons:** Sri.Ch. Mahender Reddy  
Secretary, MRGI

**Dr.Ch.Bhadra Reddy**

President, MRGI

**Co-Patrons:** A.Sudhakara Reddy  
Principal, MREC (A)

**Convener:** Dr.K.ANIL KUMAR  
HOD, MBA

**Coordinator:** Mr. Balanji Reddy Mora  
Assist. Professor, MBA

## Organizing Committee:

Dr. K.Anil Kumar, Professor ,MBA.

P.BuelaPrasannakumari, Assoc.Professor, MBA

A.Latha, Assoc.Professor, MBA

P.Rajitha, Asst.Professor, MBA

VVL Sameera, Asst.Professor, MBA

M.Balanji Reddy, Asst.Professor

K. Neeraja, Asst.Professor, MBA.

Mrs.K.Dhanalakshmi, Asst.Professor

G.Ashok Kumar, Asst.Professor, MBA.

B.Kiran kumar reddy, Asst.Professor, MBA.

M.Poojitha Bhardwaj, Asst.Professor, MBA

D.Sandhya, Asst.Professor, MBA

Dr.G.Praveen Kumar, Assoc.Professor, MBA

Mr.G.Bharani Vamsi, Asst.Professor, MBA.

M. Rajini, Asst.Professor, MBA

Ch. R. E. Jayanti, Asst.Professor, MBA

Mr.

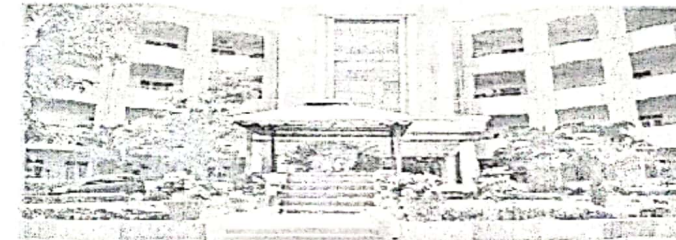


*A One-Week Skill development Course  
(Value added Course)*

*On*

**“R - PROGRAMMING”**

**(25-09-2016 to 30-10-2016)**



*Organized by  
Department of*

**MASTER OF BUSINESS ADMINISTRATION**

**MALLA REDDY ENGINEERING COLLEGE  
(AUTONOMOUS) MAIN CAMPUS**

**An UGC Autonomous Institution, Approved by**

**AICTE & Affiliated to JNTUH-Hyderabad**

**Reaccredited by NAAC with 'A' Grade (II Cycle)**

**Maisammaguda (H), Gundlapochampally (V),**

**Medchal (M), Medchal - Malkajgiri District  
Telangana - 500100, India.**

*Recd*  
**PRINCIPAL**  
**Malla Reddy Engineering College**  
**(Autonomous)**  
**Maisammaguda, Dhulapally,**  
**(Post Via Kompally), Sec'bad-500 100**

## Registration Form

Name of the Participant :-----  
-----

Branch & Year :-----

Name of Institution:-----  
-----

Address for Communication:-----  
-----  
-----

Mobile Number:-----

E-Mail ID:-----

### DECLARATION:

The information furnished above is true to the best of my Knowledge.

Place:

Date:

Signature of Applicant

## About the Department

The MBA program of JNTUH was started in MREC (A) in the year 2007. The MBA department has the vision to achieve excellence and a leadership position in management education and to become a major learning resource centre in the field of Management studies in the entire South India. The MBA department adopts an open system in training and development of students' personality, which is essential for managerial positions. Stalwarts from both the industry and the academia constantly provide inputs for students.

## Overview of the Programme

In this course you will learn how to program in R and how to use R for effective data analysis. You will learn how to install and configure software necessary for a statistical programming environment and describe generic programming language concepts as they are implemented in a high-level statistical language. The course covers practical issues in statistical computing which includes programming in R, reading data into R, accessing R packages, writing R functions, debugging, profiling R code, and organizing and commenting R code. Topics in statistical data analysis will provide working examples.

*Ravi*  
**PRINCIPAL**  
Malla Reddy Engineering College  
(Autonomous)  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500 100

## Objectives of the Programme

- This course aims to provide a practical introduction to the R Programming language.
- By the end of the day-long course, the user will be comfortable operating in the R environment.
- It includes importing external data, manipulating data for specific needs, and running summary statistics and visualizations..

## Topics to be covered

- ❖ Background, getting started, and nuts and bolts
- ❖ Programming with R
- ❖ Loop Functions and Debugging
- ❖ Simulation and Profiling

## Certificate

After successful completion of the course the certificates shall be issued to the participants.

## Outcome of the program

After completing the Course, Students will understand critical programming language concept, make use of R loop functions and debugging tools, configure statistical programming software and collect detailed information using R Profiler.





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Telangana State – 500100  
www.mrec.ac.in

**DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION**

ACADEMIC YEAR: 2015-16


**SYLLABUS**

**Value added course name: "R-Programming"**

**Value added course Instructor: Mr. D.Narshima Chary**

**R Programming Syllabus**

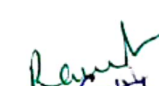
1. Introduction: What are Data Analysis, Data Analytics, and Data Science- Business Decisions - Case study of Walmart
2. Various analytics tools: Descriptive – Predictive - Web Analytics - Google Analytics - R and features - Evolution of R - Big data Hadoop and R
3. Data Types: R & R Studio Installation – Scalar – Vectors – Matrix – List - Data frames – Factors - Handling date in R - Conversion of data types - Operators in R
4. Importing Data: CSV files- Database data (Oracle 11g) - XML files - JSON files - Reading & Writing PDF files - Reading & Writing JPEG files - Saving Data in R
5. Manipulating Data : Sorting – Aggregating
6. Conditional Statements and Functions: If ...else - For loop - While loop - Repeat loop - Apply() - sApply() - rApply() – tApply
7. Statistical Concepts: Descriptive Statistics - Inferential Statistics - Central Tendency (Mean, Mode, Median) - Hypothesis Testing – Probability – tTest – zTest - Chi Square test – Correlation – Covariance – Anova
8. Predictive Modelling : Linear Regression - Normal distribution – Density
9. Data Visualisation in R using GGPlot : Box Plot – Histograms - Scatter Plotter - Line chart - Bar Chart - Heat maps
10. Misc. functions and Data Visualization using Plotly : 3D-view - Geo Maps - Null Handling – Merge – Grep – Scan - Advanced Topics in R: Text Mining - Exploratory Data Analysis - Machine Learning with R (concept)

  
Co-ordinator

  
HOD

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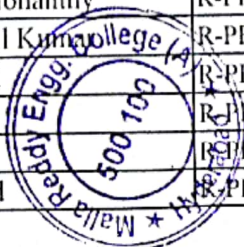
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Telangana State – 500100, www.mrec.ac.in

VAC ENROLLED STUDENT LIST 2016-17

S.NO	ROLL NO	NAME OF THE STUDENT	COURSE	DURATION	
				FROM	TO
96	16J41E0005	Alluri Rosi Pranitha	R-PROGAMMING	25-09-2016	30-10-2016
97	16J41E0006	Anneru Ramesh	R-PROGAMMING	25-09-2016	30-10-2016
98	16J41E0008	Ashish Ranjan	R-PROGAMMING	25-09-2016	30-10-2016
99	16J41E0009	Avinash Bambulge	R-PROGAMMING	25-09-2016	30-10-2016
100	16J41E0010	B. Sai Ram	R-PROGAMMING	25-09-2016	30-10-2016
101	16J41E0011	B. Venkata Krishna Reddy	R-PROGAMMING	25-09-2016	30-10-2016
102	16J41E0012	Balla Anjali	R-PROGAMMING	25-09-2016	30-10-2016
103	16J41E0013	Boinapally Sainath	R-PROGAMMING	25-09-2016	30-10-2016
104	16J41E0016	Chowdhary Manoj	R-PROGAMMING	25-09-2016	30-10-2016
105	16J41E0017	Dharavath Balu	R-PROGAMMING	25-09-2016	30-10-2016
106	16J41E0018	Dharpally. Bhasker	R-PROGAMMING	25-09-2016	30-10-2016
107	16J41E0019	G. Rohith Goud	R-PROGAMMING	25-09-2016	30-10-2016
108	16J41E0020	Gorantla Rachana VLR Reddy	R-PROGAMMING	25-09-2016	30-10-2016
109	16J41E0021	Gottuparthi Sai Anil Kumar	R-PROGAMMING	25-09-2016	30-10-2016
110	16J41E0022	K. Ravi Kumar	R-PROGAMMING	25-09-2016	30-10-2016
111	16J41E0023	K. Sowjanya	R-PROGAMMING	25-09-2016	30-10-2016
112	16J41E0024	Karumuri Naga Sateesh Reddy	R-PROGAMMING	25-09-2016	30-10-2016
113	16J41E0025	Koka Lohitha Sai Ushasree	R-PROGAMMING	25-09-2016	30-10-2016
114	16J41E0026	Kola Vinay	R-PROGAMMING	25-09-2016	30-10-2016
115	16J41E0027	Kondra Jyothi	R-PROGAMMING	25-09-2016	30-10-2016
116	16J41E0028	Kothireddy Venkatesh	R-PROGAMMING	25-09-2016	30-10-2016
117	16J41E0029	M.Mounika	R-PROGAMMING	25-09-2016	30-10-2016
118	16J41E0030	Machannagari Chandu	R-PROGAMMING	25-09-2016	30-10-2016
119	16J41E0031	Madanu Bala Swetha	R-PROGAMMING	25-09-2016	30-10-2016
120	16J41E0032	Malka Shiva Krishna	R-PROGAMMING	25-09-2016	30-10-2016
121	16J41E0033	Moreddy Prashanth Kumar Reddy	R-PROGAMMING	25-09-2016	30-10-2016
122	16J41E0034	Nadia laxmi Narayana	R-PROGAMMING	25-09-2016	30-10-2016
123	16J41E0036	Nalla Rakesh	R-PROGAMMING	25-09-2016	30-10-2016
124	16J41E0037	Pabbathi Ramya Sri	R-PROGAMMING	25-09-2016	30-10-2016
125	16J41E0038	Pippari Shiva Kumar	R-PROGAMMING	25-09-2016	30-10-2016
126	16J41E0039	Pittal Naveen	R-PROGAMMING	25-09-2016	30-10-2016
127	16J41E0040	Poddaturi Nikitha Reddy	R-PROGAMMING	25-09-2016	30-10-2016
128	16J41E0041	Ragi Sai Ram	R-PROGAMMING	25-09-2016	30-10-2016
129	16J41E0042	Ragi Swetha	R-PROGAMMING	25-09-2016	30-10-2016
130	16J41E0043	Rakesh Kumar Gupta	R-PROGAMMING	25-09-2016	30-10-2016
131	16J41E0044	Rangu Sreeja	R-PROGAMMING	25-09-2016	30-10-2016
132	16J41E0045	Akash Kiran	R-PROGAMMING	25-09-2016	30-10-2016
133	16J41E0046	Rustumpeta Bhargavi	R-PROGAMMING	25-09-2016	30-10-2016
134	16J41E0047	S. Akhila	R-PROGAMMING	25-09-2016	30-10-2016
135	16J41E0048	S. Sankeerthana	R-PROGAMMING	25-09-2016	30-10-2016
136	16J41E0049	Sapati Balraj	R-PROGAMMING	25-09-2016	30-10-2016
137	16J41E0050	Susmitha Tiwari	R-PROGAMMING	25-09-2016	30-10-2016
138	16J41E0051	Swadin Kumar Mohanthy	R-PROGAMMING	25-09-2016	30-10-2016
139	16J41E0054	Tipperaveni Akhil Kumar	R-PROGAMMING	25-09-2016	30-10-2016
140	16J41E0056	V. Hari Narayana	R-PROGAMMING	25-09-2016	30-10-2016
141	16J41E0057	V. Sharanya	R-PROGAMMING	25-09-2016	30-10-2016
142	16J41E0058	V. Vinay Kumar	R-PROGAMMING	25-09-2016	30-10-2016
143	16J41E0059	Vuppana Aravind	R-PROGAMMING	25-09-2016	30-10-2016





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**DEPARTMENT OF MASTER OD BUSINESS ADMINISTRATION**  
**ACADEMIC YEAR: 2016-17**  
**SUMMARY REPORT**

**Value added course name: "R-Programming"**

**Value added course Instructor: Dr. Narshima chary**

R Programming is the best mechanism for statistics, data analysis, and machine learning. It is more than a statistical package; it's a programming language so that you can create your objects, functions, and packages. Like all applications, R programs explicitly record the actions of analysis and make it easy to reproduce and update report, which means it can quickly try many ideas and factual issues.

It can easily use it anywhere. It's platform-independent, so it can apply it to each operating system. And it's free, so it can implement it in any organization without purchasing a license. Not solely is R Programming free, but it's also open-source. That means anyone can examine the source code to see exactly what it's doing. This also means that anyone, can fix bugs and add features, rather than waiting for the vendor to find/fix the bug and add the feature – at their discretion – in a future release.

R Programming allows to integrate with other languages (C/C++, Java, Python) and enables to communicate with many data sources: ODBC-compliant databases (Excel, Access) and other statistical packages (SAS, Stata, SPSS, Minitab).

A high-level programming language  Capabilities such as security were not built into the R language, Also, R cannot be embedded in a Web browser.  Complicated structure of packages in R .  Poor management of large dataset.  Memory management, speed, and efficiency are probably the biggest challenges R faces. .



In a nutshell, R is a great tool to explore and investigate the data. Elaborate analysis like clustering, correlation, and data reduction are done with R. This is the most crucial part, without a good feature engineering and model; the deployment of the machine learning will not give meaningful results

*Rajesh*  
 Co-Ordinator



*Rajesh*  
**PRINCIPAL**  
 Malla Reddy Engineering College  
 (Autonomous)  
 Maisammaguda, Dhulapally,  
 (Post Via Kompally), Sec'bad-500 100

*K. Venk*  
 MBA HOD

**HEAD OF THE DEPARTMENT**  
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Maisammaguda, Dhulapally (Post via Kompally), Secunderabad - 500 100.



## Certificate of Completion

This is to certify that Mr./Ms Alluri Rosi Pranitha bearing  
Roll No. 16J41E0005 has successfully completed Value Added Course  
in R-PROGAMMING conducted by the Department of  
MBA from 25/09/2016 to 30/10/2016.

*B. Balu*

COORDINATOR

*K. Uler*

HOD

*[Signature]*

PRINCIPAL

Maisammaguda, Dhulapally,  
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## Certificate of Completion

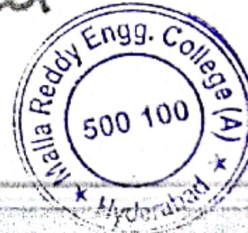
This is to certify that Mr./Ms Anneru Ramesh bearing  
Roll No. 16J41E0006 has successfully completed Value Added Course  
in R-PROGAMMING conducted by the Department of  
MBA from 25/09/2016 to 30/10/2016.

*[Signature]*

COORDINATOR

*[Signature]*

HOD



*[Signature]*  
PRINCIPAL  
Malla Reddy Engineering College  
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(Post Via Kompally), Sec'bad-500 100





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## Certificate of Completion

This is to certify that Mr./Ms Ashish Ranjan bearing  
Roll No. 16J41E0008 has successfully completed Value Added Course  
in R-PROGAMMING conducted by the Department of  
MBA from 25/09/2016 to 30/10/2016.

COORDINATOR

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## Certificate of Completion

This is to certify that Mr./Ms Avinash Bambulge bearing  
Roll No. 16J41E0009 has successfully completed Value Added Course  
in R-PROGAMMING conducted by the Department of  
MBA from 25/09/2016 to 30/10/2016.

*Balu*  
COORDINATOR

*K. Uler*  
HOD

*Rev. J. Srinivasulu Reddy*  
Principal  
Malla Reddy Engineering College  
(Autonomous)  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500 100





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## Certificate of Completion

This is to certify that Mr./Ms B. Sai Ram bearing  
Roll No. 16J41E0010 has successfully completed Value Added Course  
in R-PROGAMMING conducted by the Department of  
MBA from 25/09/2016 to 30/10/2016.

*B. Balu*  
COORDINATOR

*K. Uler*  
HOD

*Ramud*  
PRINCIPAL  
Malla Reddy Engineering College  
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## Certificate of Completion

This is to certify that Mr./Ms B. Venkata Krishna Reddy bearing  
Roll No. 16J41E0011 has successfully completed Value Added Course  
in R-PROGAMMING conducted by the Department of  
MBA from 25/09/2016 to 30/10/2016.

*[Signature]*

COORDINATOR

*[Signature]*

HOD

*[Signature]*

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PRINCIPAL

