



**MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)**  
(An UGC Autonomous Institution, Affiliated to JNTUH, Hyderabad Accredited 2<sup>nd</sup> time by NAAC  
with 'A' Grade & NBA and Recipient of World Bank Assistance under TEQIP--II S.C. 1.1)  
Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad,  
Telangana State – 500100  
www.mrec.ac.in

## Department of Computer Science and Engineering

### CIRCULAR

Date: 20/09/2016

All the students are hereby informed that Value Added Course on “**Mobile Application Development (MAD)**”, is being organized by the **Computer Science and Engineering** department on dated **28<sup>th</sup> September 2016 to 2<sup>nd</sup> November 2016**. The resource person for the course is “**Mr.P Venkat Reddy, Capgemini**”.

Students are advised to register their names to the programme coordinator “**Mr. K. Arun Kumar, Assistant Professor, CSE**”, on or before 25/09/2016 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.

**Head of the Department**

Copy to:

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



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

## 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. S. Sudhakara Reddy, Principal, MREC (A)** who have a rich teaching and industrial experience.

## Advisory Committee

**Chief Patrons:** Sri. Ch. Malla Reddy  
Founder Chairman  
Malla Reddy Group of Institutions

**Patrons:** Sri.Ch. Mahender Reddy  
Secretary, MRGI  
Dr.Ch.Bhadra Reddy  
President, MRGI

**Co-Patrons:** Dr.S. SudhakaraReddy  
Principal, MREC (A)

**Convener:** Dr. R. P. Ram Kumar  
HOD CSE

**Coordinator:** Mr. K. Arun Kumar  
Assistant Professor, CSE

**Resource Person:** Mr. B. V. Praneeth N Reddy,  
Manager, Business Development Phase.

## Organizing Committee:

Dr. R P Ramkumar, Professor, CSE

Dr. S. Dhanalakshmi, Professor, CSE

Mr. Sanjeeva Polepaka, Associate Professor, CSE

Mr. P.V.Ramana Murthy, Assistant Professor, CSE

Ms. S. Sandhya Ran, Assistant Professor, CSE

Mr.Md. Inayathulla, Assistant Professor, CSE

Mr.A.Lakshman, Assistant Professor, CSE

Mr.Yarava Rokesh Kumar, Assistant Professor, CSE

Mrs.G. Vamshi Krishna, Assistant Professor, CSE



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



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

*On*

**"MAD (APP MANIA – MOBILE  
APPLICATION DEVELOPMENT) "**

**(28<sup>th</sup> September to 2<sup>nd</sup> November 2016)**

**(4:30 p.m. to 5:30 p.m.)**



*Organized by*

**Department of**

**Computer Science and Engineering**

**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.**

## 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



*Ravula*  
Principal

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Maisammaguda, Dhulapally,  
Dist Via Kompally, Sec'bad-500100

## About the Department

The Department of CSE was started in the year 2005 with a vision of imparting high-quality education to suite the global standards in Computer science and Engineering. The department has got highly qualified & committed faculty members supported by dedicated technical staff.

The department has its own library and sophisticated laboratories not only to suite curriculum requirements but also to serve research needs such as Computer Networks, Data Mining, Software Engineering, Image processing & Cloud Computing. Workshops, software simulation etc. The department formed CSI and ISTE student branch for the benefit of students and faculty by conducting technical Conferences, workshops, FDPs and Guest lectures.

## Overview of the Programme

MAD Mobile application development is the process of creating software applications that run on a mobile device, and a typical mobile application utilizes a network connection to work with remote computing resources. Hence, the mobile development process involves creating installable software bundles (code, binaries, assets, etc.), implementing backend services such as data access with an API, and testing the application on target devices..

## Objectives of the Program me

During the MAD course, administered by the undersigned instructor, the student wasable to proficiently:

- Transform your business processes.
- Increase customer engagement and customer satisfaction.
- Improve efficiency through better time saving and utilisation.
- Improve productivity through improved communications, task completion and management.

## Topics to be covered

- Transform customer experience
- Elevate your workforce
- Lower your application cost

## Certificate

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

## Outcome of the program,

On completion of this course, participants will be able to equip with all the skills required to match their expectations.



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500100

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**VAC MAD (APP MANIA – MOBILE APPLICATION DEVELOPMENT) SYLLABUS**

1. Introduction. Introduction to Mobile Computing , Introduction to , Android Development Environment
2. Factors in Developing Mobile Applications , Mobile Software Engineering , Frameworks and Tools , Generic UI Development , Android User
3. More on UIs , VUIs and Mobile Apps i. Text-to-Speech Techniques, Designing the Right UI , Multichannel and Multimodal UIs
4. Intents and Services ,Android Intents and Services , Characteristics of Mobile Applications , Successful Mobile Development
5. Storing and Retrieving Data , Synchronization and Replication of Mobile Data , Getting the Model Right c. Android Storing and Retrieving Data , Working with a Content Provider
6. Communications Via Network and the Web , State Machine, Correct Communications Model , Android Networking and Web
7. Telephony a. Deciding Scope of an App b. Wireless Connectivity and Mobile Apps c. Android Telephony
8. Notifications and Alarms, Performance , Performance and Memory Management , Android Notifications and Alarms
9. Graphics , Performance and Multithreading , Graphics and UI Performance , Android Graphics and
10. Multimedia , Mobile Agents and Peer-to-Peer Architecture, Android Multimedia
11. Location , Mobility and Location Based Services , Android
12. Putting It All Together (as time allows) , Packaging and Deploying , Performance Best Practices , Android Field Service App
13. Security and Hacking as time allows, Active Transactions , More on Security , Hacking Android
14. Platforms and Additional Issues (as time allows) , Development Process , Architecture, Design, Technology Selection ,Mobile App Development Hurdles , Testing



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

**Department: CSE**

**Course Name: MAD (APP  
MANIA – MOBILE  
APPLICATION  
DEVELOPMENT)**

**Date:28/09/2016-02/11/2016**

Value Added Courses  
List of Students enrolled and completed

Sl.No	Roll No	Name of the students	Year/Semester
1	14J41A0594	M Srikar Reddy	III/II
2	14J41A0595	Madala Yojana	III/II
3	14J41A0596	Matakatla Issac Solomon	III/II
4	14J41A0597	Mohammed Zubair	III/II
5	14J41A0598	Mukthavarapu Laxmi Sruvanthi	III/II
6	14J41A0599	P Akhil	III/II
7	14J41A05A1	P Rakshith Raj	III/II
8	14J41A05A2	P Srujan Reddy	III/II
9	14J41A05A3	P V Monika	III/II
10	14J41A05A4	Palvai Nikitha	III/II
11	14J41A05A5	Patlolla Akhila Reddy	III/II
12	14J41A05A6	Piska Srikanth	III/II
13	14J41A05A8	Rangisetty Mahesh	III/II
14	14J41A05A9	Rapala Sowjanya Lahari	III/II
15	14J41A05B0	Ravulapati Manikanta Reddy	III/II
16	14J41A05B1	Reddy Lalith Teja	III/II
17	14J41A05B2	Shaik Kasim Nayab Rasool	III/II
18	14J41A05B3	Shaik Nafees Ahmed	III/II
19	14J41A05B4	T Dinesh Reddy	III/II
20	14J41A05B5	T Sahithi Lakshmi	III/II
21	14J41A05B6	T Shravya	III/II
22	14J41A05B7	Telukuntla Supriya	III/II
23	14J41A05B8	Thotakura Gayathri	III/II
24	14J41A05B9	Vanga Harshitha Reddy	III/II
25	14J41A05C0	Vasanth Sonavane	III/II
26	14J41A05C1	Anabathula Umesh Kumar	III/II
27	14J41A05C2	Are Dhanasree	III/II
28	14J41A05C3	Arolla Bhavani	III/II
29	14J41A05C4	Asif Rasool	III/II

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Hyderabad

30	14J41A05C5	Awaru Nikitha	III/II
31	14J41A05C6	Bondalapati Dinesh	III/II
32	14J41A05C7	B Sai Teja	III/II
33	14J41A05C8	Bhiri Mounica Sai Sree Anusha	III/II
34	14J41A05C9	B Revanth	III/II
35	14J41A05D0	Bommisetty Vinitha Lakshmi	III/II
36	14J41A05D1	Bonaboyana Manaswini	III/II
37	14J41A05D2	Bonala Bharadwaj	III/II
38	14J41A05D3	Cheella Karthik Sai	III/II
39	14J41A05D4	Ch Manoj Kumar	III/II
40	14J41A05D5	D Shirisha	III/II
41	14J41A05D6	Devarapaga Ashok	III/II
42	14J41A05D7	Dhulipala Manogna	III/II
43	14J41A05D8	E Radheshyam	III/II
44	14J41A05D9	Gunda Ravali	III/II
45	14J41A05E1	Gaddam Alekhya	III/II
46	14J41A05E2	Gongireddy Thejaswini	III/II
47	14J41A05E3	H Sahana	III/II

*Rawud*

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### **VAC-Mobile Application Development- Summary**

30.10.2016

Course duration :28<sup>th</sup> Sept2016 to 30 Oct 2016

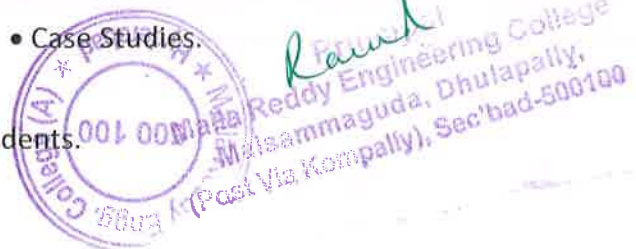
Mobile application development is the set of processes and procedures involved in writing software for small, wireless computing devices, such as smartphones and other hand-held devices. Like web application development, mobile application development has its roots in more traditional software development. One critical difference, however, is that mobile apps are often written specifically to take advantage of the unique features of a particular mobile device. For example, a gaming app might be written to take advantage of the iPhone's accelerometer or a mobile health app might be written to take advantage of a smartwatch's temperature sensor.

In the early years of mobile apps, the only way to ensure an app could perform optimally on any device was to develop the app natively. This meant that new code had to be written specifically for each device's specific processor. Today, the majority of mobile applications developed are device-agnostic.

In the past, if an app needed to be cross-platform and run on multiple operating systems (OSes), there was little, if any, code that could be reused from the initial development project. Essentially, each device required its own mobile app development project with its own code base. Modern cross-platform tools use common languages such as C# and JavaScript to share code across projects;. This enables developers to use a single codebase for Apple iOS, Google Android . The students shown lot interest in learning this course.

Topics Covered are: • Introduction to Mobile Apps • Android Architecture • Activities, Intents, Android UI, Web View • Image, Audio and Video Processing • Data Storage, SQLite • SMS, Calling, Email • Sensors & Location based Services • Bluetooth & WiFi • Client-Server Programming • Web services in Android • Case Studies.

Certificates are issued to the eligible students.





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**VAC MOBILE APP DEVELOPMENT**



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. Mohammed Zubair bearing Roll No. 14J41A0597 has successfully completed Certificate / Value Added Course / Workshop in MAD (APP MANIA - MOBILE APPLICATION DEVELOPMENT) conducted by the Department of Computer Science and Engineering from 28th September 2016 to 02nd November 2016.

  
COORDINATOR



  
HOD  
  
Principal  
Malla Reddy Engineering College  
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PRINCIPAL



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. Patlolla Akhila Reddy bearing Roll No. 14J41A05A5 has successfully completed Certificate / Value Added Course / Workshop in MAD (APP MANIA - MOBILE APPLICATION DEVELOPMENT) conducted by the Department of Computer Science and Engineering from 28th September 2016 to 02nd November 2016.

*K.R.K.*

COORDINATOR



*R*  
HOD

*Ravi*  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
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*ju*

PRINCIPAL



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. T Shravya bearing Roll No. 14J41A05B6 has successfully completed Certificate / Value Added Course / Workshop in MAD (APP MANIA - MOBILE APPLICATION DEVELOPMENT) conducted by the Department of Computer Science and Engineering from 28th September 2016 to 02nd November 2016.

*K.R.B.*  
COORDINATOR



*Ravind*  
Principal  
HOD  
Malla Reddy Engineering College  
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. Arolla Bhavani bearing Roll No. 14J41A05C3 has successfully completed Certificate / Value Added Course / Workshop in MAD (APP MANIA - MOBILE APPLICATION DEVELOPMENT) conducted by the Department of Computer Science and Engineering from 28th September 2016 to 02nd November 2016.

*K.R.K.*

COORDINATOR



HOD

*Raush*  
Malla Reddy Engineering College  
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*Jur*

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms Ch Manoj Kumar bearing Roll No. 14J41A05D54 has successfully completed Certificate / Value Added Course / Workshop in MAD (APP MANIA - MOBILE APPLICATION DEVELOPMENT) conducted by the Department of Computer Science and Engineering from 28th September 2016 to 02nd November 2016.

*K.R.K*

COORDINATOR



*[Signature]*  
HOD

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

*[Signature]*

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