



MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)
(An UGC Autonomous Institution, Affiliated to JNTUH, Hyderabad Accredited 2nd 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: 01/05/2021

All the students are hereby informed that Value Added Course on “**Android**” is being organized by the **Computer Science and Engineering** department on dated 10th May 2021 to 15th June 2021. The resource person for the course is **Mr. BV Ramana Assoc prof, VNR VJIT “**

Students are advised to register their names to the programme co-ordinator “**Mrs. S. Sandhya Rani , Associate Prof, CSE Dept**”, on or before 7/05/2021 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

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.

Copy to:

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

Revised
PRINCIPAL
Malla Reddy Engineering College
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Maisammaguda, Dhulapally,
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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. C.N. 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**, Mr. 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. A. Raveendra
Principal, MREC (A)

Convener: Dr. Laxmipathi Anantha
HOD CSE

Coordinator: Mr. S. Sandhya rani
Associate Professor, CSE

Resource Person: Mr. BV. Ramana
Assoc prof, VNR VJIT

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. Y. Ravara Rakesh Kumar, Assistant Professor, CSE
Mrs. G. Vamshi Krishna, Assistant Professor, CSE


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A One-month Skill development Course
(Value added Course)

On

"Android"

(10th May 2021 to 15th June 2021)



Organized by

Department of

Computer Science and Engineering

MALLA REDDY ENGINEERING COLLEGE
(AUTONOMOUS) MAIN CAMPUS

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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

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

Covers introductory mobile application development for the Android Operating System using XML and Java. Includes developing simple applications that could run on Android phones and tablets. Covers Android application development phases, terminologies, application design, and coding. Prerequisites: CIS 122. Recommended: prior completion of or concurrent enrollment in CIS 133J. Audit available.

Objectives of the Programme

- illustrate the usage of different components of Android OS in detail
- develop a mobile application using different components of Android
- choose appropriate controls to design the GUI to meet desired needs
- consume JSON data and call web services from Android mobile app.
- write a program in Android to store data in databases
- develop Mobile applications using Android

Topics to be covered

- Introduction to ANDROID
- Environment Setup and Basic Project Structure
- Android Fundamentals and User Interface Design.
- Advanced UI Components.
- Threads in Android

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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Android

Course code: VACCS01

Duration of the course: (hrs):32

Objective of the course:

students should be able to:

- Install and configure Android application development tools.
- Design and develop user Interfaces for the Android platform.
- Save state information across important operating system events.

Unit-1

Total hrs: 7

Introduction to ANDROID: It's a lightweight, easy to use, no images, no pdfs platform to make students life easier.

Unit-2

Total hrs: 7

Environment Setup and Basic Project Structure: Setting up development environment Android, Manifest.xml, Gradle, Uses-permission & uses-sdk, Resources & R.java, Assets, Layouts & Drawable Resources, First sample Application, Launching emulator, Editing emulator settings, Emulator shortcuts, Logcat usage, Introduction to DDMS, Hello World App, Creating your first project The manifest file Layout resource, Running your app on Emulator, Debugging the Android App.

Unit-3

Total hrs: 6

Android Fundamentals and User Interface Design: Activities and Activity lifecycle, Permission System

Basic UI Components: Text View, Button, Radio Button, Edit Text, Image View for image, Check Box, Progress Bar, Event Handling in Android

Layouts: Liner Layout, Relative Layout, Frame Layout, Coordinate Layout, [dip, dp, sip, sp] versus px

Intents: Intents introduction and importance, Types of Intents (Explicit Intents, Implicit intents)

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Unit-4

Total hrs: 6

Advanced UI Components: Time and Date, List View, Grid View, Card View, recycler view Adaptors (Base Adaptor, Array Adaptor) & View Holder, Dialogs, Toast, Popup, Fragments, Material Design(Introduction , Navigation, Floating Button , Tool bar).

Unit-5

Total hrs: 6

Threads in Android: Threads running on UI thread (run on UI Thread), Worker thread, Handlers & Runnable, AsyncTask , calling web services and consuming JSON data from Web Services.

Outcome of the course:

After undergoing this subject, the students will be able to:

- illustrate the usage of different components of Android OS in detail
- develop a mobile application using different components of Android
- choose appropriate controls to design the GUI to meet desired needs
- consume JSON data and call web services from Android mobile app.
- write a program in Android to store data in databases
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VAC- ANDROID - Summary

14-06-2021

Course duration: 10th May 2021 to 15th June 2021

Overview of the Course

Covers introductory mobile application development for the Android Operating System using XML and Java. Includes developing simple applications that could run on Android phones and tablets. Covers Android application development phases, terminologies, application design, and coding. Prerequisites: CIS 122. Recommended: prior completion of or concurrent enrollment in CIS 133J. Audit available.

Objectives of the Course

After undergoing this subject, the students will be able to:

- illustrate the usage of different components of Android OS in detail
- develop a mobile application using different components of Android
- choose appropriate controls to design the GUI to meet desired needs
- consume JSON data and call web services from Android mobile app.
- write a program in Android to store data in databases
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The speaker also covered the following topics:

Getting started with amazon cloud,introduction to cloud computing,models of cloud computing, setting up aws accounts,evaluating service level agreements,various aws services, Amazon EC2, amazon machine images, ami creation, security groups,key pairs,assigning elastic IP address,Elastic IP v/s public IP, bootstrap scripts,overview of amazon EBS, Identity access management,Introduction to IAM, Elastic load balancing& Auto scaling: Elastic beanstalk & Lambda

Outcome of the program

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

After successful completion of the course the certificates are issued to the participants


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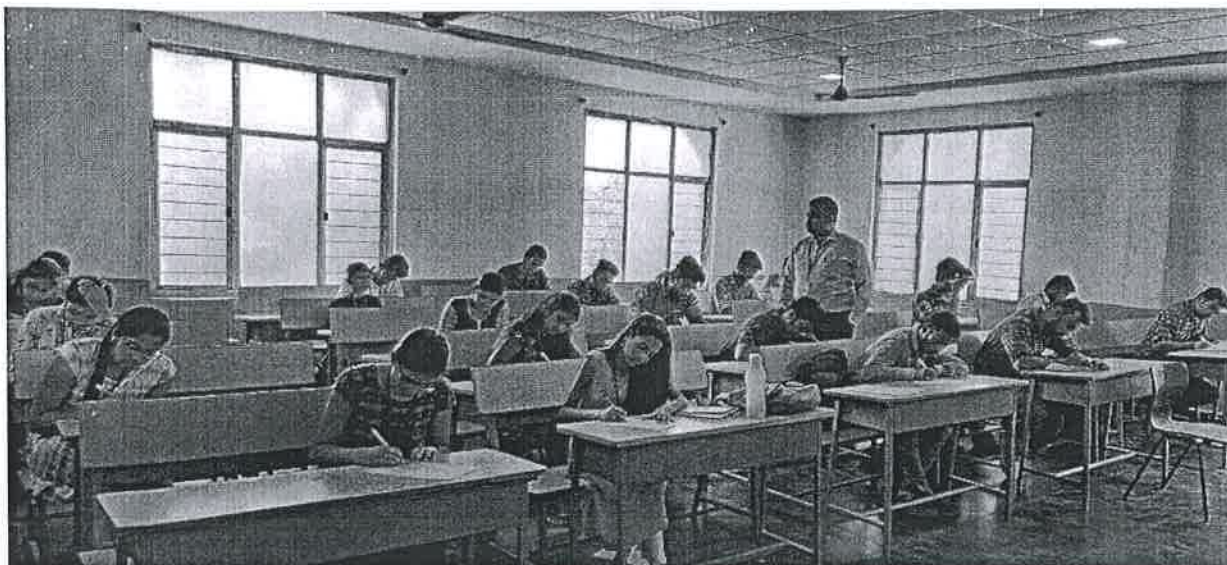
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. KINNERA NAGA SAI CHARAN bearing Roll No. 17J41A0523 has successfully completed Certificate / Value Added Course / Workshop in ANDROID conducted by the Department of Computer Science and Engineering from 10/05/2021 to 15/06/2021.

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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. GUNDATI PRANAVI bearing Roll No. 17J41A0516 has successfully completed Certificate / Value Added Course / Workshop in ANDROID conducted by the Department of Computer Science and Engineering from 10/05/2021 to 15/06/2021.


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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. K N V SAI DEEP bearing Roll No. 17J41A0519 has successfully completed Certificate / Value Added Course / Workshop in ANDROID conducted by the Department of Computer Science and Engineering from 10/05/2021 to 15/06/2021.


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This is to certify that Mr./Ms. K VENU KUMAR bearing Roll No. 17J41A0520

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This is to certify that Mr./Ms CHALAVADI SUMANTH bearing Roll No. 17J41A0507 has successfully completed Certificate / Value Added Course / Workshop in ANDROID conducted by the Department of Computer Science and Engineering from 10/05/2021 to 15/06/2021.


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This is to certify that Mr./Ms. CHAMALA SUNIL REDDY bearing Roll No. 17J41A0508 has successfully completed Certificate / Value Added Course / Workshop in ANDROID conducted by the Department of Computer Science and Engineering from 10/05/2021 to 15/06/2021.


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This is to certify that Mr./Ms. CHEERLA SWAPNIL bearing Roll No. 17J41A0509

has successfully completed Certificate / Value Added Course / Workshop in ANDROID
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This is to certify that Mr./Ms. CHERYALA BHANU bearing Roll No. 17J41A0510 has successfully completed Certificate / Value Added Course / Workshop in ANDROID conducted by the Department of Computer Science and Engineering from 10/05/2021 to 15/06/2021.


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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. NANDIGAMA VARUN bearing Roll No. 17J41A0535 has successfully completed Certificate / Value Added Course / Workshop in ANDROID conducted by the Department of Computer Science and Engineering from 10/05/2021 to 15/06/2021.


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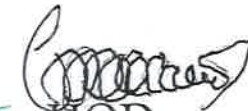


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This is to certify that Mr./Ms. GUMMYREDDY VARSHA REDDY bearing Roll No. 17J41A0515 has successfully completed Certificate / Value Added Course / Workshop in ANDROID conducted by the Department of Computer Science and Engineering from 10/05/2021 to 15/06/2021.


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