



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

DEPARTMENT OF INFORMATION TECHNOLOGY

REPORT ON EVENT : One--Week Workshop on “Google Android Application Development Program”

Event Type : Workshop

Date/Duration : 21th March, 2022 -26th March, 2022 /(OneWeek)

Resource Persons : Mr. Vamanapalli Mani Kantha Gopal

Name of Coordinators : Mr. V. V. Krishna Reddy, Sr. Asst. Professor, Dept. of IT.
Dr. S. Naganjaneyulu, Professor , Dept. of IT.

Name of Co-Coordinators : Dr. A. V. N. Reddy, Assoc. Professor , Dept. of IT.
Mr. K. Venugopal, Sr. Asst. Professor, Dept. of IT.
Ms. J. Geetha Renuka, Asst. Professor, Dept. of IT

Target Audience : IInd B.Tech Students

Total no of Participants :63

About Course:

Lakireddy Bali Reddy College of Engineering (A) has organized a one week workshop on "Google Android Application Development Program" from 21st March to 26th March 2022. This training program was organized by Department of IT for II B.Tech students in Association with Andhra Pradesh State Skill Development Corporation (APSSDC), and computer Society of India (CSI). Explained the Android Architecture, Design for hello toast on screen is to take help of layout by specifying the layout length, width, orientation and button. Intent is a class for navigating from one activity to another activity and primary pieces of intent are source and destination through that only the can change the page. By creating the object and constructor can start the activity. A login application is the screen asking your credentials to login to some particular application. You might have seen it when logging into facebook , twitter e.t.c. Android life cycle methods are useful for creating, starting, and running, resuming and destroying for everything. Tab Navigation required Tab Layout to design the navigation in page, to get tab name use add method Recycler view is used to display the items in list format ,in recycler view the items are copy and paste from location to another location.

Objective of the event:

The aim and scope of this workshop is to provide Knowledge on Android Development, Data visualization and explained the students in detail through hands on experience. This workshop aims to provide a comprehensive theoretical and hands on practical experience on Android and Android Studio to the beginners.

Inauguration

Workshop was inaugurated on 21-03-2022 by Convener of workshop **Dr. B.Srinivasa Rao, Professor and HOD, IT Department** and **Dr. K. Appa Rao, principal, L.B.R.C.E** has explained the importance of training program and given best wishes. **Dr. S. Naganjaneyulu, Professor, Dept. of IT, Counsellor-CSI Student Branch** has explained the importance of Google Android Application Development Program in Engineering. **Dr. S. Naganjaneyulu and Mr V.V. Krishna Reddy** Coordinators of the workshop introduced the resource persons **Mr. Vamanapalli Mani Kantha Gopal** APSSDC Trainer.

V.V. Krishna Reddy has provided warm welcome to all the delegates and participants to the workshop and highlighted the main objectives and importance of this training Program me.

Dr. B.Srinivasa Rao, HoD IT Department gave his insights about future of Android Application Development and its applications.



Schedule of the Course:

Day 1 (21/03/2022):

In this session the trainer has provided a brief introduction about Operating System, Types of Operating System and Introduction to application development, Basic concepts-Inserting images, labels, and buttons. Finally, there is a hands-on in Android Application Development.

Topics Covered in the Session:

1. What is Operating system?
2. Types of OS
3. OS basic operations
4. Introduction to application development
5. Hands-on

Day 2 (22/03/2022)

This session trainer presented a Installing Android Studio, Usage and Challenges, App components, Application Structure, How to enable developer options in our Mobile, How to run sample application in our Mobile and sample programs. Then he had provided a Hands-on session on Android App.

Topics Covered in the session

1. Installing Android Studio
2. Usage of Android Studio
3. Topics and Explanations
4. Android App Development Challenges
5. Android App Components
6. Application Structure
7. How to Enable Developer Options In Our Mobile
8. How to run sample application in our Mobile
9. Sample Hello world Application
10. Accessing Themes, Strings, Colors, Arrays from Xml and Java Files
11. Broadcast Receivers
12. Basic Idea about Android App

Day 3 (23/03/2022):

This session the speaker discussed about views and its properties, Toast implementation in our Android app. view group implementation and toast count app. provided some examples for every topic was discussed.

Topics Covered in the Session

1. Views and view groups
2. Properties of views and view groups
3. Toast implementation in our android app
4. Toast in Java & xml
5. View and view group implementation
6. Hello toast count app

Day 4 (24/03/2022):

This Session discussed about Registration form, screen transfer by intent, Development of Some basic applications, Time picker applications. Finally, there is a hands-on application development'

Topics Covered in Session

1. Intents and types
2. Registration form
3. Spinner role activity
4. Scroll mode
5. Screen transfer by intent (implicit intent)
6. Development of some basic applications
7. Time Picker application
8. Date picker application, menu creation

Day 5,6 (25/03/2022,26-03-2022):

The trainer started the session with Recycler view images, broad cast receivers, system and custom broadcast, notifications build in our mobile. Finally session completed with test.

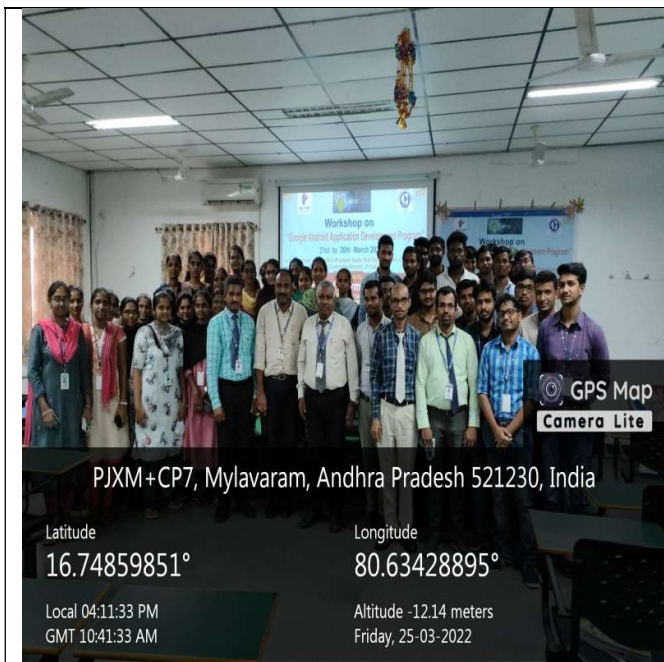
Topics Covered in this Session

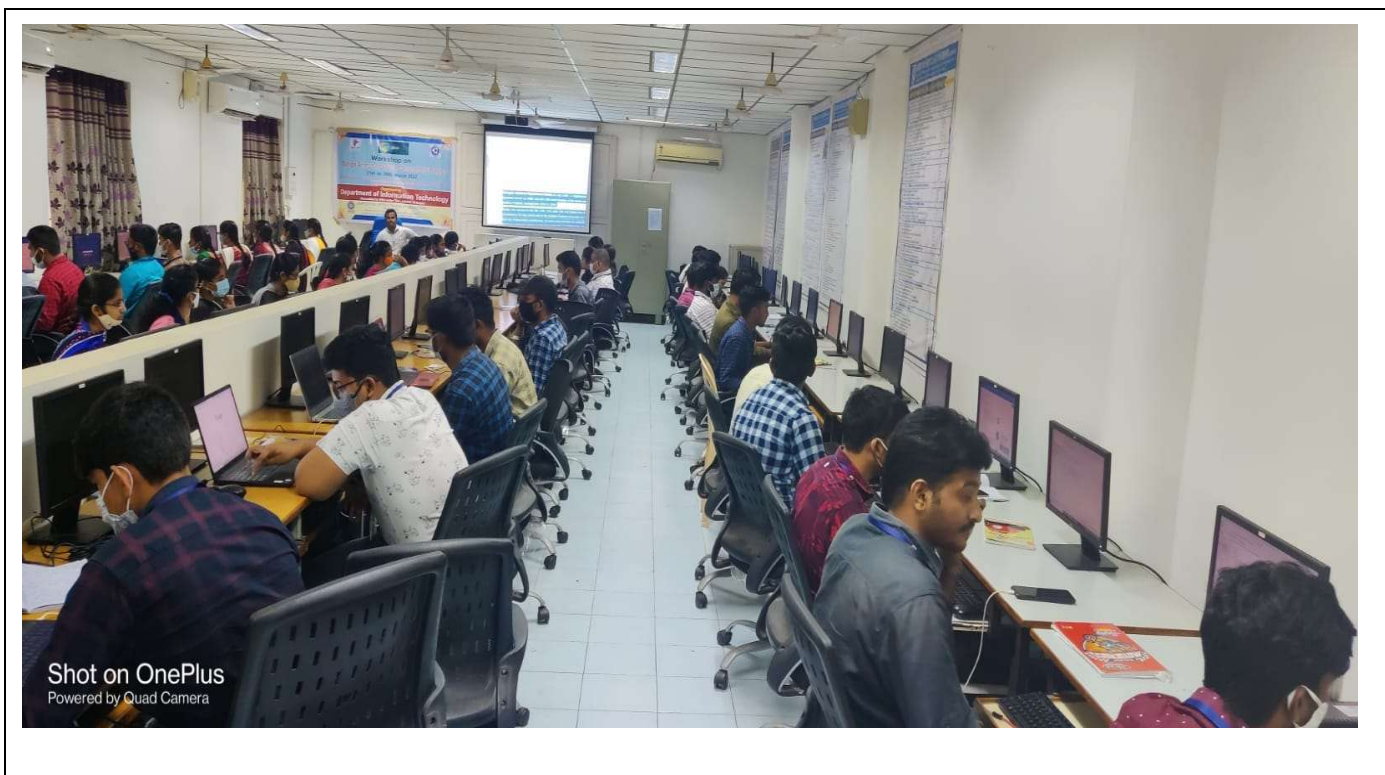
1. Recycler view images
2. Broadcast receivers

3. System broadcast
4. Custom broadcast
5. Services
6. Basic audio player
7. Notifications build in our mobile
8. Conducted test based on previous sessions

Valedictory session

During the valedictory session coordinator thanked all the dignitaries, participants and other members who are involved for the smooth functioning of the workshop. Vice Principal Dr. K. Harinadha Reddy & HOD of IT Prof. Dr.B.Srinivasa Rao given there available suggestion to student to work and complete the real time projects what there taken during this workshop. Suggested to organize this kind of workshop for students to get basic and real life problem that people are facing in society.





Tech Training sessions

Paper clipping

ఎల్బీఆర్ సీకూలో ముగిసిన శిక్షణ
విద్యార్థులు చదువుతో పాటు సాఫ్ట్ వేర్ అప్లికేషన్స్
రూపకల్పన, ఇండస్ట్రీలో డిమాండ్ ఉన్న కోర్సులను
నేర్చుకోవడం ద్వారా ఉద్యోగ ప్రయత్నాలలో సఫల
మవుతారని ప్రిన్సిపాల్ డాక్టర్ కె.అప్పారావు తెలి
పారు. మైలవరం లకిరెడ్డి బాలిరెడ్డి ఇంజనీరింగ్
కళాశాలలో ఇన్ ఫర్మేషన్ టెక్నాలజీ విభాగంలో ద్వి
తీయ సంవత్సరం విద్యార్థులకు ఏపీఎస్ఎస్డీసీ,
కంప్యూటర్ సాసైటీ ఆఫ్ ఇండియా వారి సంయుక్త
ఆధ్వర్యంలో నిర్వహించిన అప్లికేషన్ డెవలప్ మెంట్
ట్రైనింగ్ ప్రోగ్రామ్ శనివారం ముగిసింది. ఐటీ
వీభాగాధిపతి డాక్టర్ బి.శ్రీనివాసరావు, స్కిల్ డెవల
ప్ మెంట్ సెంటర్ కోఆర్డినేటర్ డాక్టర్ వై.విజయభా
స్కరెడ్డి, ఏపీఎస్ఎస్డీసీ ట్రైనర్లు కృష్ణ, వర
ప్రసాద్, గోపాల్ పాల్గొన్నారు.