

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Affiliated to JNTU, Kakinada)

NAAC Accredited Institute

An ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution

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Andhra Pradesh State Skill Development Corporation

(Department of Skill Development, Entrepreneurship & Innovation, Govt. of Andhra Pradesh)



SIX DAY WORKSHOP ON ANDROID APPLICATION DEVELOPMENT (18th JANUARY – 23rd JANUARY 2021)

**Organized
by**

Department of Computer Science & Engineering

In Association with Andhra Pradesh State Skill Development Corporation

Report on ANDROID APPLICATION DEVELOPMENT

About Workshop:

In pursuit of excellence in Technical education Dadi Institute of Engineering & Technology, Visakhapatnam in association with Andhra Pradesh State Skill Development Corporation organized a six day Workshop for the Third Year B.Tech-CSE Students of Department Computer Science & Engineering on Google Android Developer Fundamentals during 18th January to 23st January 2021. The Workshop aims to enhance and strengthen the skills among the students on Android Developer Fundamentals. In order to give hands on based exposure on Android Fundamentals, this workshop have organized for six days in Association with APSSDC. As everyone knows that Android APP playing an important role on more than 80% of smart phones which is on full demand and there are lot of study works and project works going on this concept. Students have a wide scope of opportunities in the Android APP desing. The participants were very much satisfied with the workshop.

Andhra Pradesh State Skill Development Corporation:

Andhra Pradesh State Skill Development Corporation provides specialized training to the Students of Polytechnic, Engineering colleges etc., in various disciplines in different courses by conducting six day Workshops.



APSSDC

Andhra Pradesh State Skill Development Corporation
(Department of Skills Development & Training, Govt of Andhra Pradesh)



6 - Days Workshop

On

Android Application Development



18-01-2021 - 23-01-2021



Venue:



Dadi Institute of Engineering & Technology

National Highway 5, Anakapalle, Visakhapatnam, Andhra Pradesh 531002

Introduction

Mobile Apps are becoming popular day by day. Today, Everyone owns a smartphone and they do a lot of things with the help of their smartphones such as making payments, ordering groceries, playing games, chatting with friends and colleagues etc .

There is huge demand in the market to develop android apps. It's Google's CEO Sundar Pichai's initiative to train 2 Million people to become android developers as this platform has a huge need

In view of this scenario and keeping industry needs in mind, APSSDC is offering an "Android Application Development Program" so that the faculty/students across engineering colleges in the state of Andhra Pradesh gain App Development knowledge.

Mainly focuses on how to use Android OS for building your own Android Application. Only the basic knowledge of programming is required for Android App Once the basics of Android are done we will begin with building Apps.

The duration of this workshop will be two consecutive days, with eight hours session each day in a total of sixteen hours, properly divided into theory and hand on practical sessions.

Inauguration

The inauguration of the Workshop was done in the Seminar hall - 2 (, DIET Campus on 18-1-2021 at 9.30 AM with lightening of the lamp. The dignitaries of the Inaugural Function included Dr. Ch. Narsimham , Principal, Dr.L.Prasanna Kumar, HOD CSE, HOD's of other departments and Trainers from APSSDC , other faculty members and 100 participants attended in the inaugural function. Dr.L.Prasanna Kumar addressed Android Application Development Workshop provides participants technical training on the concepts and programming methodologies needed to develop applications for mobile devices.

Participants will learn to use different android libraries. Instruction is aided with live projects which will allow students to grasp concepts of the complete mobile application development life-cycle.



Dr.L.Prasanna Kumar HOD of CSE ,addressing the gathering at the Ssix day workshop on Android Application Development



Android Resource person from APSSDC Mr.Chaitanya addressing the gathering at the Android Application Development Workshop.



Principal Dr.Challa Narsimham motivated the students to participate in such kind of events and he also shared his views on importance of technical activities in development of student carrier.

He emphasized on acquiring knowledge over and above the syllabus by attending such workshops and seminars



After completing the Android Development training the students understood:

1. Introduction to Mobile App Development a. History of Mobile evolution b. Version History of Android c. Android Architecture
2. Installing the Development Environment a. Installation of Android Studio b. Installation of Android emulator c. Connecting the physical device with the IDE
3. Creating the first application a. Hello World
4. Creating a User Interactable App a. Hello Toast b. Text and Scroll View
5. Intents a. Explicit Intents b. Implicit Intents
6. Activity LifeCycle
7. User Interface Components
8. Buttons and Clickable Images
9. Input Controls
10. Menus & Pickers
11. Using Material Design for UI
12. User Navigation a. Navigation Drawer b. Navigation Components i. Navigation Graph ii. Navigation Host iii. Navigation Controller c. Ancestral and Back Navigation d. Lateral Navigation i. Tabs for navigation
13. Recyclerview
14. Working in the background a. Fetching JSON Data from the internet using retrofit GET. b. Discussion of various JSON Converters. c. Writing data to the api using retrofit POST. d. Broadcast Receivers
15. Schedulers a. Notifications b. WorkManger
16. Saving user Data a. ViewModel b. LiveData c. SharedPreferences d. Room

Head of Department of Computer Engineering gave a brief introduction of the Computer Engineering Department. He emphasized on acquiring knowledge over and above the syllabus by attending such workshops and seminars.

Sesion started with introduction of open source android platform. He explained the software architecture layer and android application architecture to the participants. He discussed different widget and layouts used in android application. He also explained different types of intents, activities and services.

The afternoon hands-on session started at 1.30 PM where the students were familiarized with how to develop an android mobile application using Eclipse IDE. The main purpose of the hands on session was to create self reliant students who are confident to build their own android-mobile applications.

Valedictory Function:



Addressing by **Dr.L. Prasanna Kumar-HoD CSE** to the gathering in the valedictory function of Android workshop.



Android Resource person from APSSDC Mr.S.V.Krishna addressing the gathering at the Android Application Development Workshop.



Principal Dr.Challa Narsimham Addressing to the gathering in the valedictory function of Android Application Development workshop.



Students of III.B.Tech student giving feedback about the workshop



Students of III.B.Tech student giving feedback about the workshop

నమ్మకం, విశ్వాసం, విజయం వల్ల వచ్చినాయి.

డైట్లో ముగిసిన వర్క్‌షాపు

అనకాపల్లి టౌన్: డైట్ కళాశాలలో ఆండ్రయడ్ యాప్ అభివృద్ధిపై వర్క్‌షాపు సోమవారం ముగిసింది. ఈ సందర్భంగా ప్రెస్బిటెరియల్ డాక్టర్ చల్లా సరసింహం మాట్లాడుతూ పరిశ్రమల అవసరాలకు అనుగుణంగా ఆవిష్కరణల కోర్సుల్లో శిక్షణ ఇవ్వడమే ద్యేయమన్నారు. కంప్యూటర్ సైన్స్ అండ్ ఇంజనీరింగ్ విభాగాధిపతి డాక్టర్ ఎల్.ప్రసన్నకుమార్, శిక్షకులు ఎం.విజయభారతి, అధ్యాపకులు పాల్గొన్నారు.

కారీ కపర్, కారిక కుటుంబాల ఆందోళన

ఆంధ్రజ్యోతి

Tue, 26 January 202

<https://epaper.andh>



Paper clipping of news paper for the Android Application Development at DIET, Ankapalle.