

REPORT ON  
“ Android Application Training ”  
Conducted by  
Department of Computer Science  
March 22<sup>nd</sup> – April 8<sup>th</sup> 2024



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## Introduction

The Department of Computer Science organized an Android training session for professionals to improve their skills and knowledge in developing Android applications. The training was conducted in collaboration with Ms Julia Jeceylyne Khongsit and Mr Mebanpynsuk Rani Kyndait, certified Android developers with extensive experience in building and deploying Android apps.

Android app development refers to the process of creating software applications that run on devices powered by the Android operating system (OS). Android is an open-source platform developed by Google, and it is one of the most widely used mobile operating systems globally.

The primary programming language used for Android app development is Java or Kotlin. Java has been traditionally used for Android development, but Kotlin, a modern language also supported by Google, has gained popularity due to its concise syntax and enhanced safety features.

Android apps are typically developed using the Android Studio Integrated Development Environment (IDE). Android Studio provides a rich set of tools for building, debugging, and testing Android applications. It offers features like code completion, debugging tools, and a layout editor for designing user interfaces.

**Application Components:** Android apps are built using various application components, including:

**Activities:** Individual screens or windows in an app.

**Services:** Background processes that run independently of the UI.

**Broadcast Receivers:** Components that respond to system-wide broadcast announcements.

**Content Providers:** Components that manage a shared set of app data.

## **Aim and Objectives**

**Aim:** To provide a basic knowledge on Android development and best practices

**Objectives:**

- Understanding the Android architecture and design principles
- Setting up and configuring Android Studio
- Learning about Activity lifecycle
- Designing user interfaces using layout management techniques
- Implementing data storage and retrieval using SQLite and SharedPreferences

**No. of Participants:** 29 students

**Target Audience:** BCA 6<sup>th</sup> Semester students of Lady Keane College

## Profile of the Resource Person

Name: Ms. Julia Jeceylyne Khongsit

Certified Mobile App Developer

Achievements:

1. Awarded 2<sup>nd</sup> place in IoT project by Technomate Edubotics (OPC) Pvt.Ltd
2. Certificate upon successful completion of Winter Workshop in English Language and Effective Communication by Avenue Shillong

Expertise:

Skilled app developer with hands-on experience in developing mobile applications using Android studio and Flutter. Demonstrated ability to deliver innovative solutions while maintaining a strong focus on user experience

- Developed and deployed multiple mobile application using Android Studio and Flutter with API (JSON) integration.
- Collaborated with cross-functional teams to gather requirements and translate them into technical specifications.
- Implemented custom features and optimized code for enhanced app performance.
- Conducted thorough testing, bug fixing, and ensured app compatibility across different devices.

## Profile of the Resource Person

Name: Mr. Mebanpynsuk Rani Kyndait

Certified Mobile App Developer

Expertise:

- Worked as a Mobile developer at Sonicbolt technologies, focusing on Android App development using React Native. Collaborated with Solutions Engineering Team on design, coding, testing, and troubleshooting to deliver high-quality Mobile Application.
- Employed as a Software Developer at Marketing Wire, specializing in web development, back-end systems, and Android Application development. Responsible for designing and implementing innovative solutions across multiple platforms to meet business needs and enhance user experiences.

Ms. Julia Jecelyne Khongsit and Mr. Mebanpynsuk Rani Kyndait brings a wealth of knowledge and experience to the Android application training for professionals, ensuring participants receive guidance and instruction of the highest quality to maximize the benefits of the event.

## Session

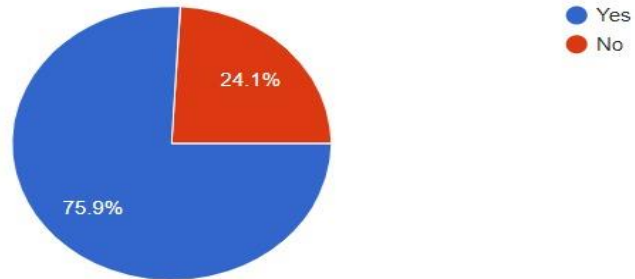
The training covered various topics related to Android development, including:

- What is Android?
- Features of Android
- Activity Lifecycle
- Components of Android application
- Variables Declaration
- Types of layouts:
  - Linear layout
  - Relative layout
  - Constraint layout
- Navigation Drawer
- Key features of Navigation drawer
- Importing libraries for Navigation
- Views:
  - TextViews
  - EditText
  - Button
  - ImageView
- Card view (container)
- Login activity
- Registration activity
- Generation of APK file
- Implementing data storage and retrieval using SQLite and SharedPreferences

## Feedback

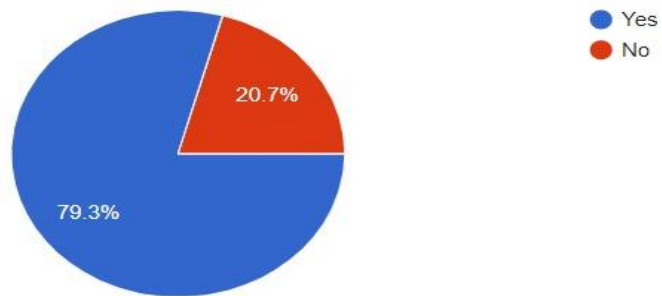
Did the training meet your expectations?

29 responses



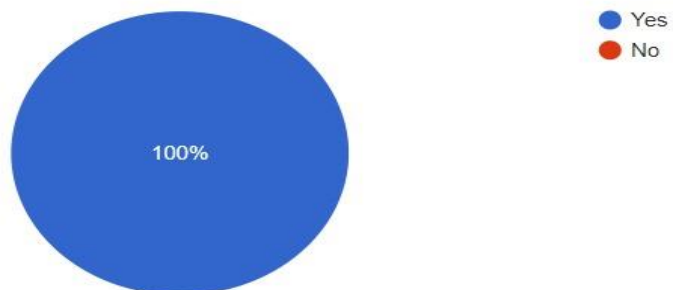
Was the training program interactive and engaging?

29 responses



Were you provided lab facilities while doing this training?

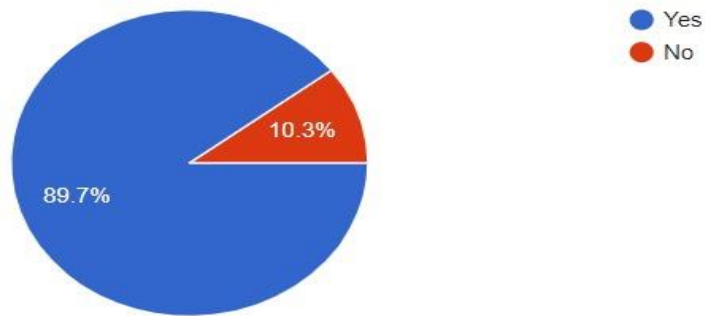
29 responses





### Was the duration for this training enough?

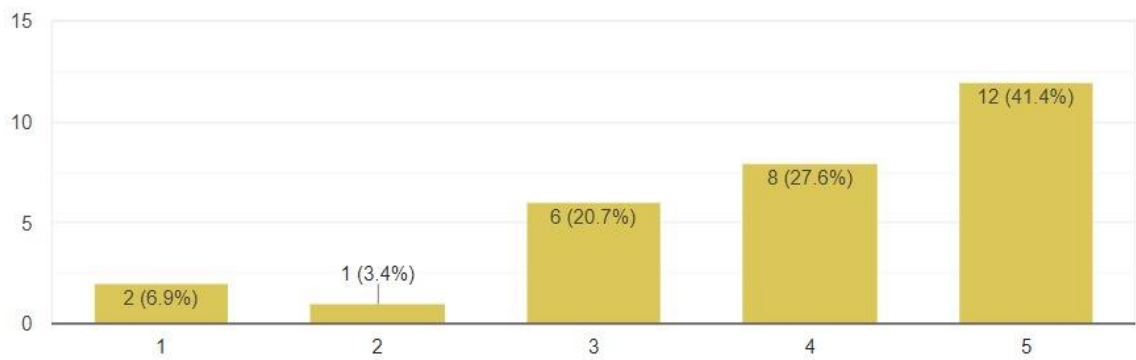
29 responses



### Was the instructor knowledgeable on the topic?

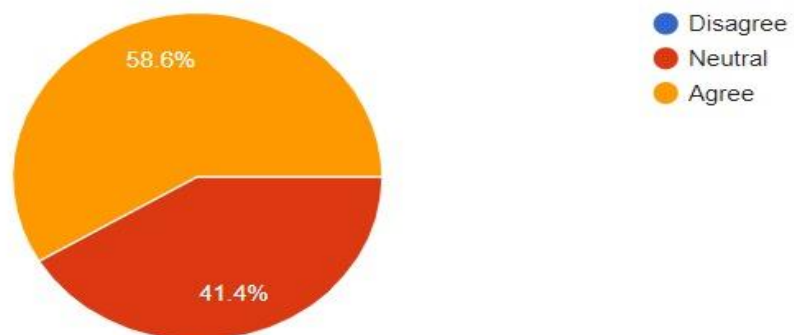
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29 responses



### Was the trainer engaging and supportive?

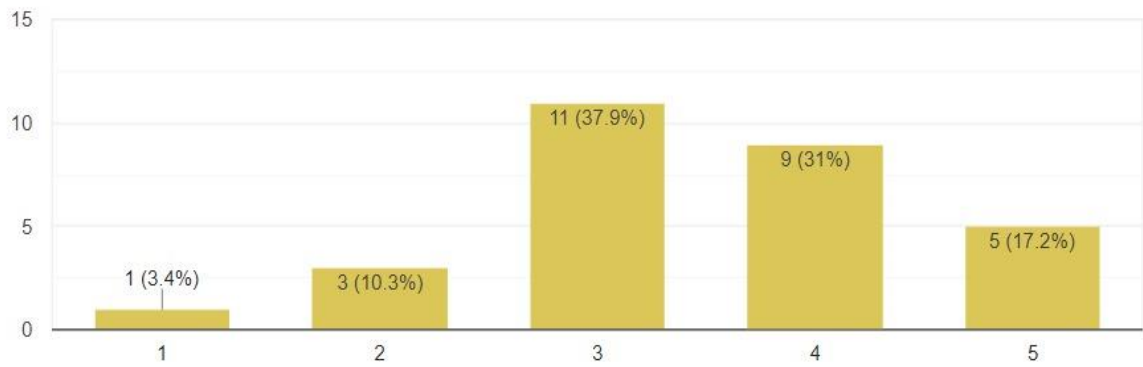
29 responses



Was the instructor easy to understand?

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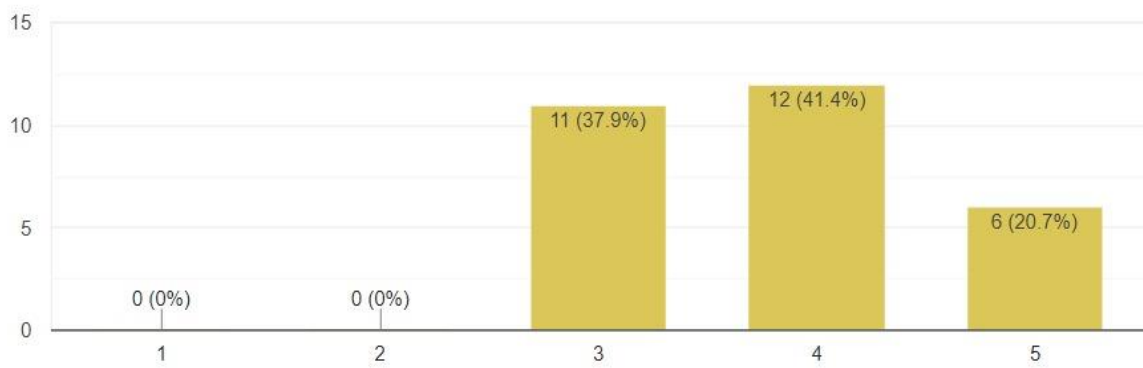
29 responses



How would you rate the overall quality of this training session?

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29 responses

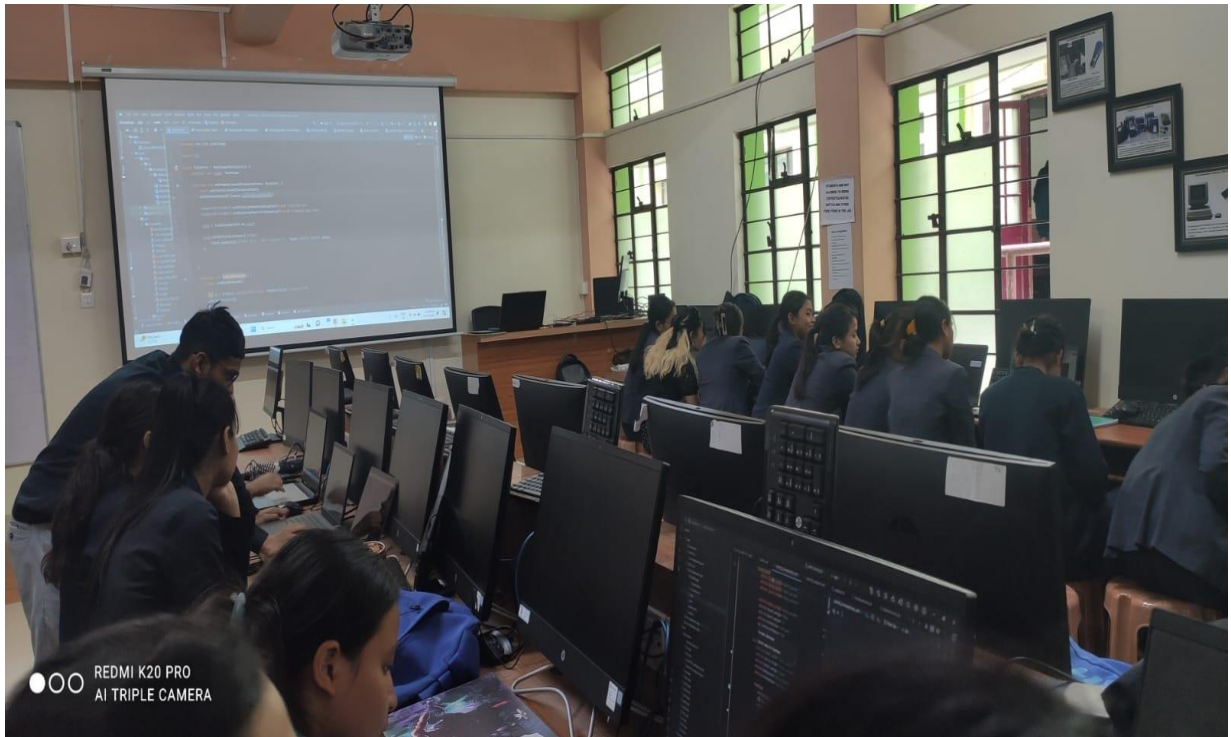


## Photographs



REDMI K20 PRO  
AI TRIPLE CAMERA











### Attendance List

<b>SL No</b>	<b>Name of Student</b>	<b>Percentage(%)</b>
1	Alphimai Marsings	100
2	Anu Pawar	37.5
3	Bahunlang Nongrang	87.5
4	Bansaralin Thongni	75
5	Bashisha Thabah	100
6	Caredeng Kassar	100
7	Carefully Rynjah	100
8	Daiakmen Shabong	100
9	Daisy Grace M Malieh	87.5
10	Dakermeka Thabah	75
11	Diksha Pradhan	100
12	Felicia Law	100
13	Jasmine Suchen	100
14	Ladabiang Lyngkhoi	100
15	Lamjingshaihun lawphniaw	100
16	Lasukshisha Sohtun	75
17	Mary Diamond Pariong	75
18	Nada Nancy	75
19	Ngalem Suayang	37.5
20	Nirok Asher G Momin	50
21	Partilin Khongsit	75
22	Pdianghunlin Nongrang	75
23	Ridashisha Snaitang	75
24	Riphylla Kharsati	50
25	Rislity Khonjee	100
26	Sheetal Sarkhi	87.5
27	Treweini Manroiki Lakiang	87.5
28	Twinny Wisteria Lamin	100
29	Wandashisha Kharraswai	75