

# REPORT FOR WORKSHOP

## HINDI MAHAVIDYALAYA

AUTONOMOUS & NAAC- REACCREDITED

(Arts, Commerce, Science & PG)

Affiliated to Osmania University, Nallakunta, Hyderabad - 500044



DEPARTMENT OF COMPUTER SCIENCE & APPLICATION

PRESENT A WORKSHOP  
ON

## ANDROID APPLICATION DEVELOPMENT

BY: AVINASH PAL LIDLAAN  
HOD (COMPUTER SCIENCE & APPLICATIONS)

**Date:** May 27<sup>th</sup>, 2023

**Time:** 10:00 am - 1:00 pm

**Attending students:** B.Sc & B.com (CA) 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> year.

### ABOUT THE WORKSHOP

one day Workshop on “Android Application Development” for B.com & B.Sc students was organized by the Department of Computer Science & Applications on May 27<sup>th</sup>, 2023. There were 65 participants who attended the session.

# REPORT FOR WORKSHOP

## ABOUT TRAINER



**AVINASH PAL LIDLAAN** graduated with a M.Tech degree in Computer Science Engineering from JNTU Hyderabad in the year 2014. He has 9 years of teaching experience & earlier he has worked as Asst. Professor from July 2014 to August 2020 in Prrm Engineering College & Indira Priyadarshini govt women's degree college as Asst. Professor from August 2020 to July 2022. Later he joined Hindi Mahavidyalaya degree & PG College as Asst. Professor Cum IT officer from August 2022.

## **Overview:**

Android App Development Workshop 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 Development, you do not have to be a geek for it. The workshop will start from the basics like designing layouts and building complex layouts. 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.

## **SESSION:**

1. Introduction  
Introduction to Android and emulator.
2. Introduction to Mit App Inventor  
Essential tool in a basic android project.
3. UI Designing in Android  
Introduction to activity and its life cycle.
4. Functionality  
Designing user interface with various layouts and built-in controls.
5. Addition of Features  
Launching application activities and passing data between activities. Invoking built-in apps.

# PHOTO GALLERY



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**A Workshop on**  
**ANDROID**  
Application Development  
Date & Time: 27th May 2023 at 10:00 am to 01:00 pm

Explore the  
World of ANDROID  
with L.Avinash Pal

**AGENDA:-**  
1. INTRODUCTION TO ANDROID  
2. INTRODUCTION TO MIT APP INVENTOR  
3. UI DESIGNING IN ANDROID  
4. FUNCTIONALITY  
5. ADDITION OF FEATURES(SOUND, NOTIFICATION... ETC)  
6. DISCUSSION  
7. FEEDBACK & CONCLUSION

**VENUE: HINDI MAHAVIDYALAYA CAMPUS**

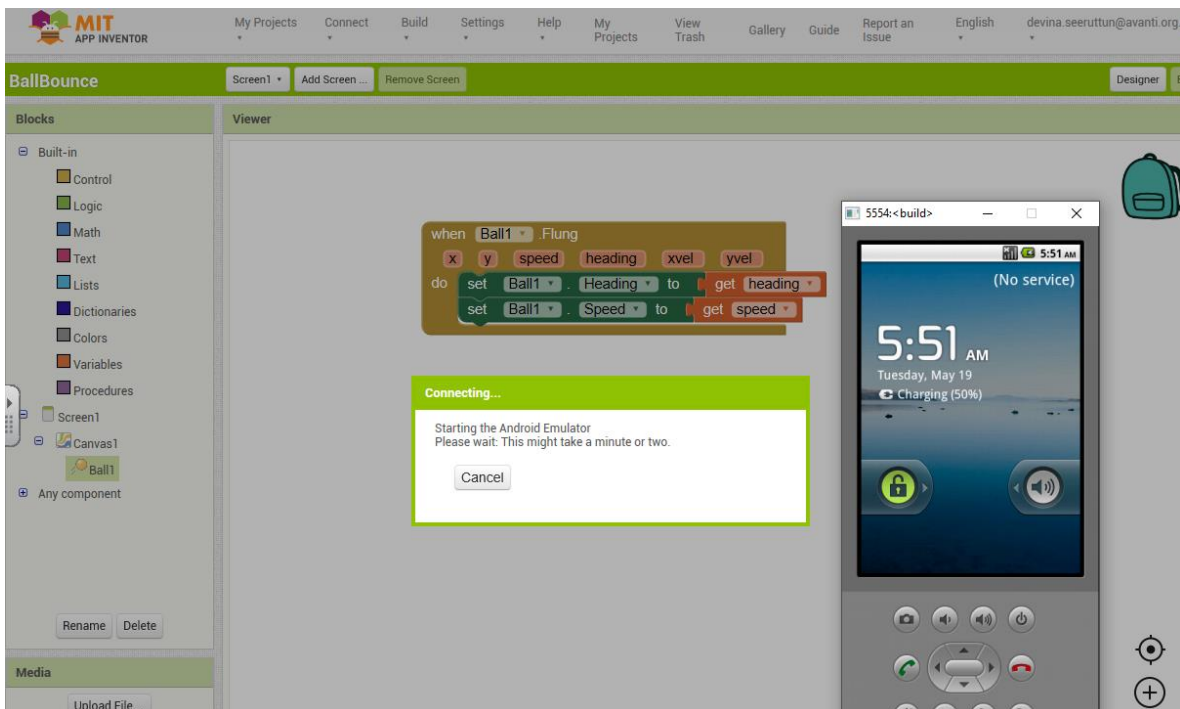
**Brochure of Workshop**



**Student present in workshop**



**Workshop Trainer**

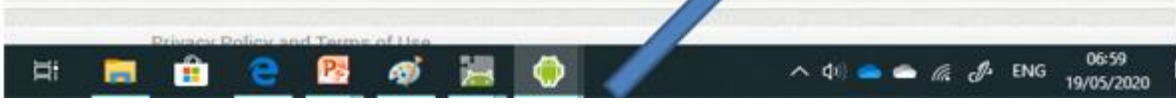


**Ball Bounce app creation**

```
when Ball1 Flung
  x y speed heading xvel yvel
do
  set Ball1 Heading to get heading
  set Ball1 Speed to get speed
```

```
when Ball1 EdgeReached
  edge
do
  call Ball1 Bounce
  edge get edge
```

You should then see your app on the emulator

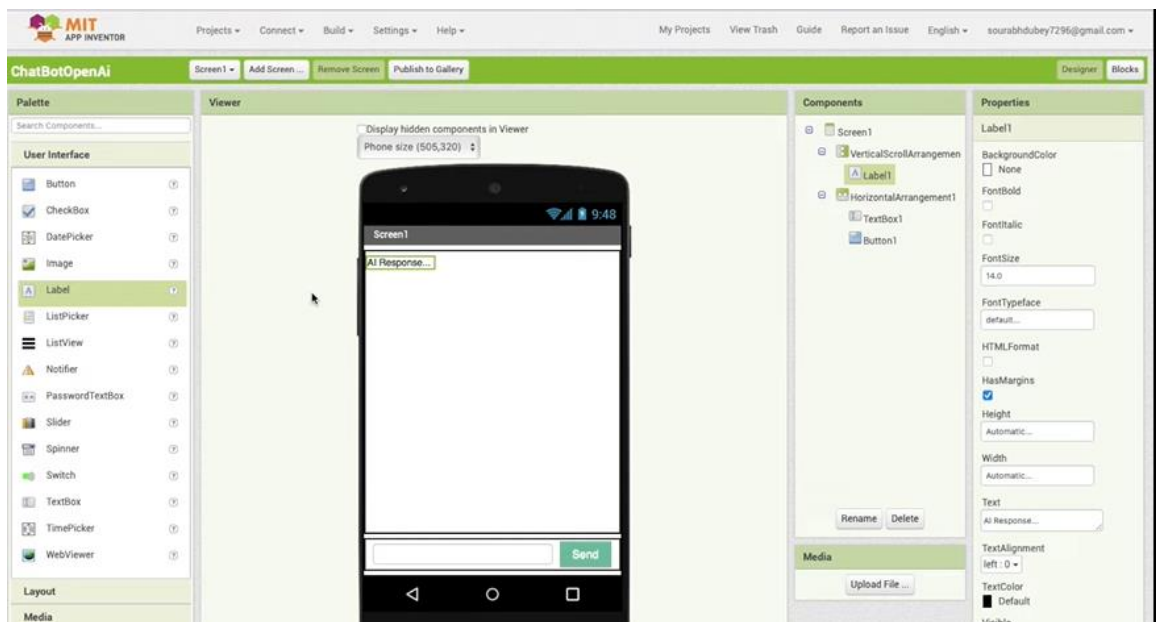


Ball Bounce app creation coding

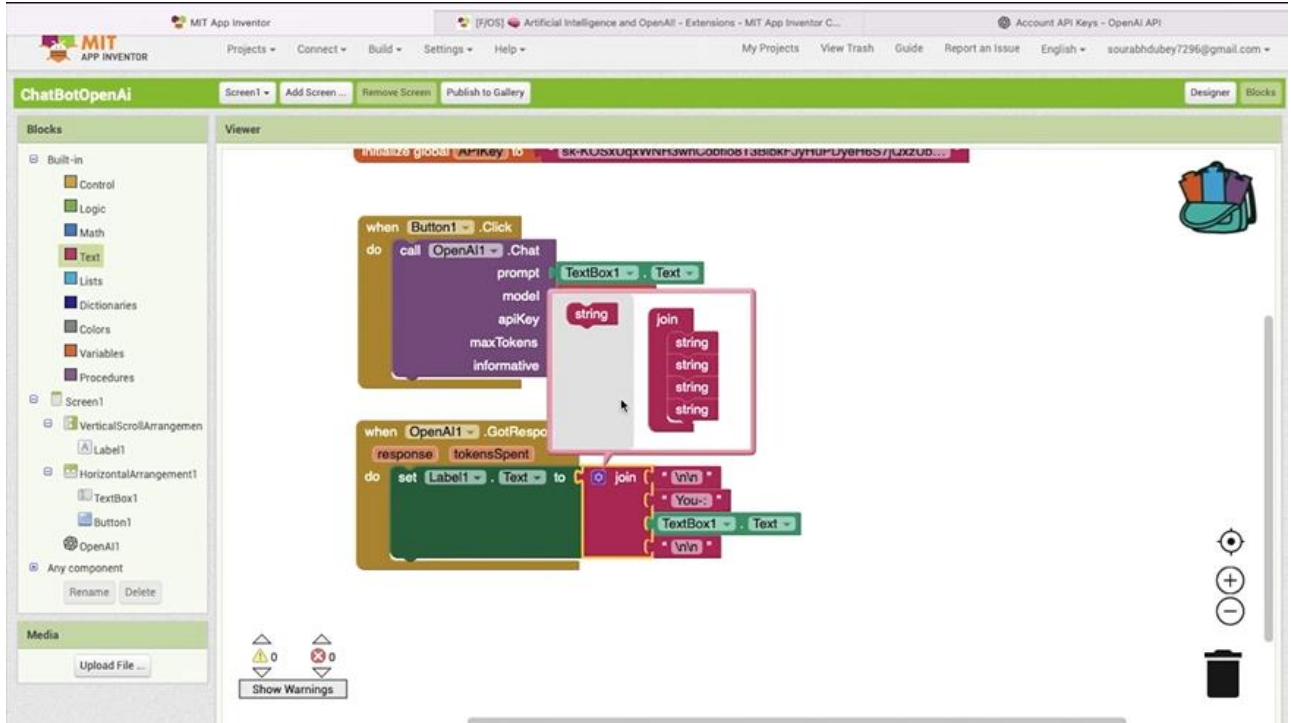


# PROJECT ON

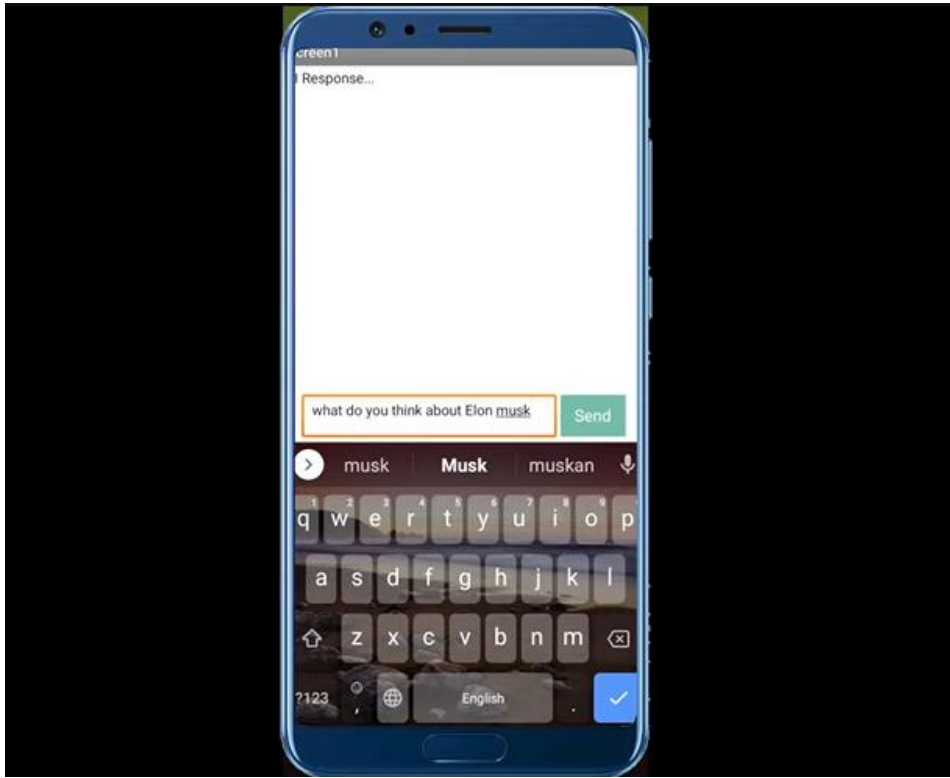
## Create Chatbot App in MIT App Inventor 2 using Artificial Intelligence App Development



Project on AI Chatbot creation

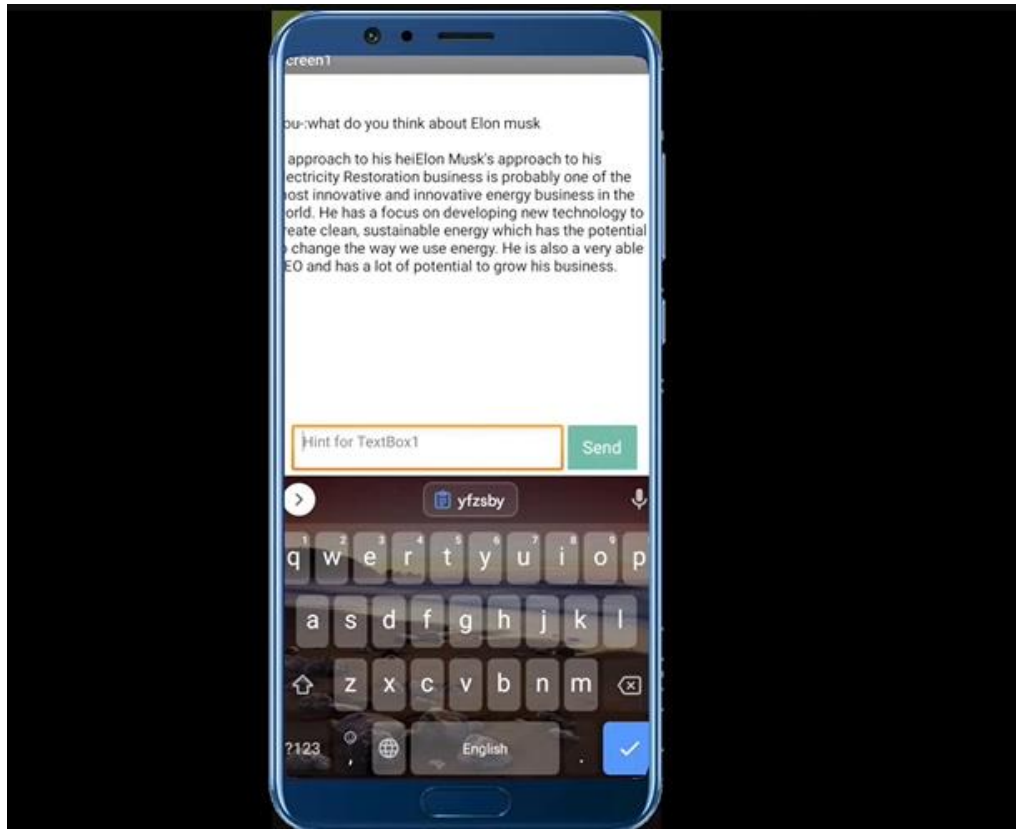


AI Chatbot created code



AI Chatbot Input





**AI Chatbot output**

## **PROGRAM OUTCOME**

- 1. student will be able to create android app in open source.**
- 2. Student learned AI tool in extension use in app.**
- 3. Student encouraged to build various app in google play store.**
- 4. Student have learned block programming.**

## **STUDENTS FEEDBACK**

The session was highly informative and interesting.