

# AN OVERVIEW OF ANDROID APPLICATION - MYBOARD

Pratiksha D Dutonde, Sumangla A Bafna , Shivani S Mamidwar, Monali S Korvate, Prof. Dhiraj D Shirbhate

Department of Computer Engineering  
Government College of Engineering, Yavatmal, Maharashtra, India,  
Dr. Babasaheb Ambedkar Technological University Lonere, India

**Abstract:** This application is a type of board on which we can pin no documents, videos, images. Quotes, also we can set reminders, save links on a single board .Now a days, peoples are so busy in their work, they have no time write task and some important information in notebook. That's why this app helps us to pin such stuff. This application is use full peoples like child, young and old persons. As we are all aware that technology newly appearing day by day and it is affected all of us. People use smartphones for a variety of purposes, such as playing games, listening to music, watching live games and movies, and doing other activities. Taking notes is the process of collecting information from a source or event. It usually takes the form of recording, writing, annotating, paraphrasing, sketching, annotating, outlining, and annotating. The note-taking application allows users to type, write, and draw on the device just as they would on paper. Many apps have their own features, storage, organization, and sharing, and it's up to you to decide which note-taking app is best for your needs. The user will access the applications through the device of their choice, commonly via a laptop or tablet. Some note-taking applications are available cross-platform and on multiple devices while others may be limited to one platform or device. For example, Notability is only available within Apple products whereas OneNote markets their availability across all platforms and devices.

**Keywords:** ANDROID, STATE MANAGEMENT, HIVE. FLUTTER, DART, IMPLEMENTATION..

## 1. INTRODUCTION

In the last few years of the last decade, many app startups have sprung up around the world. Advances in technology and the availability of smartphones make it easy for many start-ups to connect with users and customers through apps. The app market has also grown in recent years and is expected to grow exponentially over the next decade. The app development market is also expanding, allowing countless app developers to show off their skills and find the right job. With the move to this app, much development and research has been done to provide the best apps and make the app development process faster and easier. Apps can be broadly classified as follows.

1. ios app : These apps are made for apple gadgets and wears. iOS apps are made utilizing the Quick dialect. The iOS apps have an expansion of .ipa
2. Android app: These apps are developed for Android devices and Wear. Android apps are built using Java and Kotlin with the .apk extension. Having to figure in a cross-platform work environment, many app developers liable for developing Android and iOS apps found it difficult and tedious to develop apps for both platforms.

### 1.1 Problem Statement

- Add files, multimedia, and live recordings to their notes to enrich the meaning and context.
- To develop an instant pinning board to store the necessary information.
- The project should be very easy to use enabling even a novice person to use it.
- Store all notes and necessary data digitally, typically in an exceedingly cloud-based storage system.
- The main purpose of this project is to supply kind, write, and draw notes on the device of selection even as one would mistreatment pen and paper.

### 1.2 Innovative Ideas of Project

- UI: A mobile computer programme (mobile UI) is that the graphical and typically touch-sensitive show on a mobile device, like a smartphone or pill, that enables the user to act with the device's apps, features, content and functions.
- Platform independence: The traveler operates on any system tangential of the underlying software package.
- Unlimited clients: "N" number of users can be connected without any performance degradation of the server.

### 1.3 Project Objective

- Communication: To develop an instant messaging solution to enable users to seamlessly communicate with each other.
- User friendliness: The project should be very easy to use enabling even a novice person to use it.

### Scope of The Project

- Scope for Indian Mobile application developers is in (but not restricted to) the subsequent areas; Developing cloud enabled applications, developing made-to-order Indian applications, performing on innovations supported international satisfactoriness through multi-language apps...
- With a fortunate mobile or net app in mind, here's a roadmap that outlines the precise statement of the scope of your project. Use these insights to create apps that keep your business previous the competition.
- Companies would like to have a communication software wherein they can communicate instantly within their organization.
- The fact that the software uses an internal network setup within the organization makes it very secure from outside attacks.

## 2 UI DESIGN OF MYBOARD APPLICATION:

Using the notes-taking application (also called the note-taking app), students can: Save all of your notes and necessary info digitally. sometimes keep during a cloud-based storage system. Enter, write, and draw notes on the device of your selection, even as you'd with a pen or papers.

Application module Description:

- Adding Documents
- Adding Voice
- Adding Image
- Adding Video
- Adding Quotes
- Adding Links
- Adding Scribble

### Technologies :

My board android applications interface are created mistreatment technologies like Dart, and Flutter. This language makes the applying a lot of engaging, helpful and easy to use and buy. Markup languages facilitate create things a lot of participating and creative.

### Flutter :

Flutter is Google's portable UI toolkit for crafting lovely, natively compiled programs for cell, web, and desktop from one codebase. As a pass-platform cellular software development framework, Flutter very similar to React local, as Flutter follows reactive and declarative sort of programming. not like React local, Flutter apps are entirely written in Dart programming language that avoids performance problems resulting from the need for a JavaScript bridge. wherein specifically we use dart programming language.

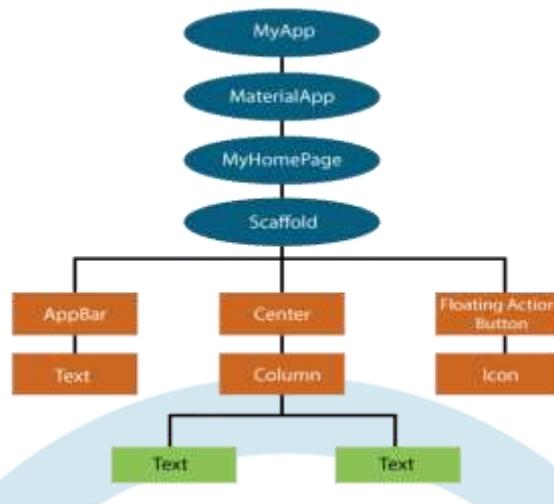
### Dart :

Dart is an open-supply, trendy-cause, item-oriented programming language with C-style syntax advanced via Google in 2011. the intention of Dart programming is to create a frontend user interfaces for the internet and cellular apps. it is underneath active improvement, compiled to native system language for building cellular apps, stimulated by other programming languages like Java, JavaScript, C#, and is Strongly Typed. because Dart may be a compiled language so that you can not execute your code immediately; instead, the compiler parses it and transfer it into device language. It supports most of the common concepts of programming languages like classes, interfaces, functions, unlike other programming languages. Dart language doesn't support arrays directly. It supports collection, which is employed to replicate the data structure such as arrays, generics, and optional typing. Dart may be a Strongly Typed programming language. It means, each value you employ in your programming language has a type either string or number and must be known when the code is compiled. Here, we are visiting discuss the most common basic data types used in the Dart programming language.

## 1 Flutter Widgets

Whenever you are going to code for building something in Flutter, it will be within a gizmo. The central purpose is to make the app out of widgets. It describes however your app read ought to seem as if with their current configuration and state. once you created any alteration within the code, the convenience rebuilds its description by scheming the distinction of previous and current convenience to figure out the least changes for rendering in UI of the app. Widgets area unit nested with one another to make the app. It means that the basis of your app is itself a convenience, and every one the manner down may be a convenience conjointly. for instance, a convenience will show one thing, will outline style, will handle interaction, etc.

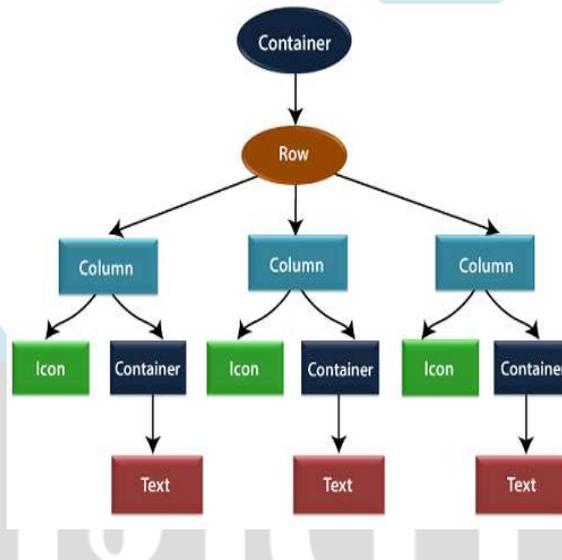
Dig.1.1



**2. Flutter Layouts**

The main idea of the layout mechanism is that the appliance. we tend to all apprehend that flutter assume everything as a appliance. thus the image, icon, text, and even the layout of your app square measure all widgets. Here, variety of the items you are doing not see on your app UI, like rows, columns, and grids that organize, constrain, and align the visible widgets are also the widgets.

Dig.1.2



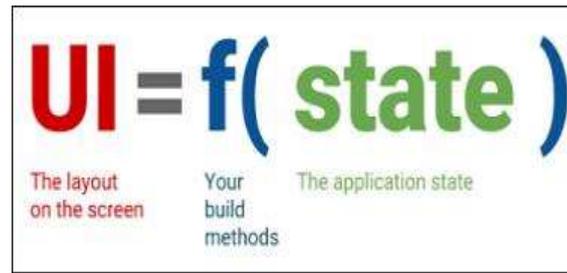
**4 Flutter State Management**

The convenience may be classified into 2 classes, one could be a homeless convenience, and another could be a Stateful convenience. The homeless convenience doesn't have any internal state. It suggests that once it's designed, we have a tendency to cannot amend or modify it till they're initialized once more. On the opposite hand, a Stateful convenience is dynamic and incorporates a state. It suggests that we are able to modify it simply throughout its lifecycle while not reinitializing it once more.

A state is data that will be scanned once the contraption is constructed and would possibly amendment or changed over the life of the app. If you wish to vary your contraption, you would like to update the state object, which might be done by mistreatment the setState() operate on the market for Stateful widgets. The setState() operate permits U.S. to line the properties of the state object that triggers a redraw of the UI.

State management is one of the foremost well-liked associate degreed necessary processes within the lifecycle of an application. in step with official documentation, Flutter is declarative. It suggests that Flutter builds its UI by reflective the current state of your app. the next figure explains it tons clearly where you will be ready to build a UI from the applying state.

Dig.4.1



## 5 Flutter IDE

IDE (editors) square measure computer code package programs that change the user to create and edit text files. at intervals the event field, editors typically get recommendation from the computer code document editors that embody many special choices for writing and redaction code. we are able to manufacture Flutter apps exploitation any text editor which can merely combine with our command-line tools. However, it's urged to use editor plugins (IDE) for the next experience. These plugins accompany Syntax highlight, code completion, device piece of writing assists, run & right support, and lots of other choices. Flutter supports many IDE

to build the apps. a number of them are mentioned below, however you'll be able to act if you wish to use a special editor. The most popular IDEs that give the most effective support for the Flutter application development are:

- Android Studio
- IntelliJ Idea
- Visual Studio
- Emac
- Codemagic

## 3 IMPLEMENTATION OF MYBOARD APPLICATION

- **Board Page**



Fig: SIGN-U PAGE

This is our first page of the project where we can add the information we want like documents, images, videos, and links.

## MYBOARDPAGE

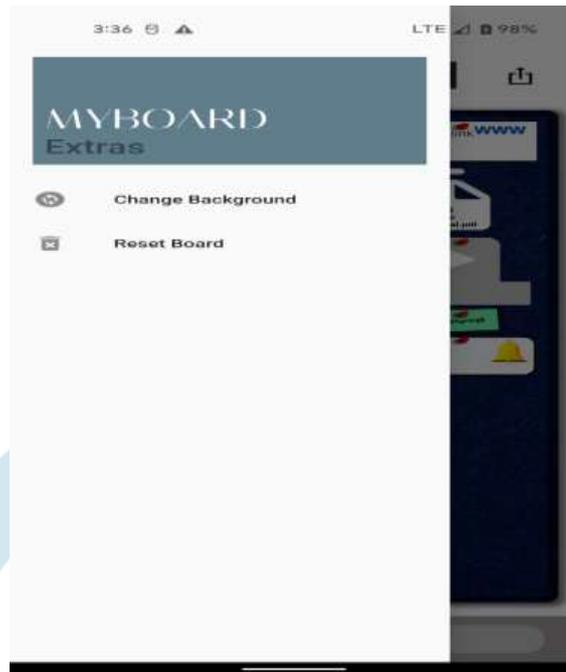


Fig : MY BOARD PAGE

This is the page on which we can change the background and reset the board and also clear information.

## ALL CONTENT



Fig: All CONTENT

This is the main page of our project on which it shows all contain we have to pin on this board.

### ADDIND DOCUMENTS

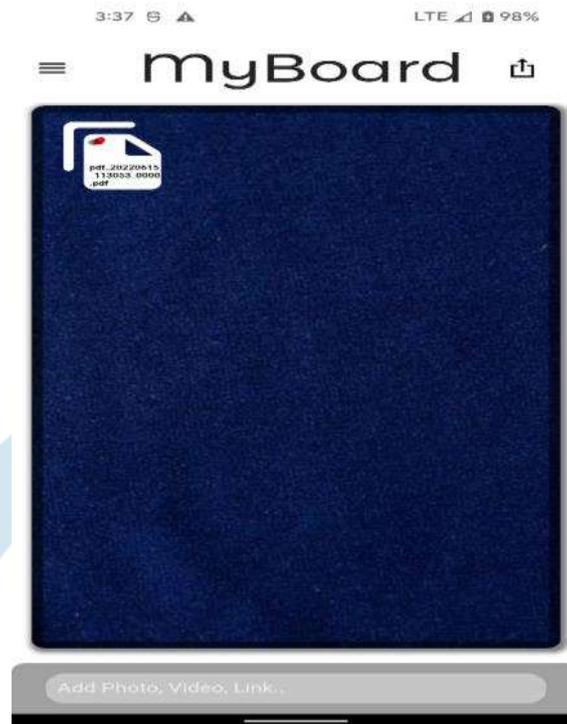


Fig. ADDING DOCUMNTS

This is the page on which we add documents .

### ADDING TEXT

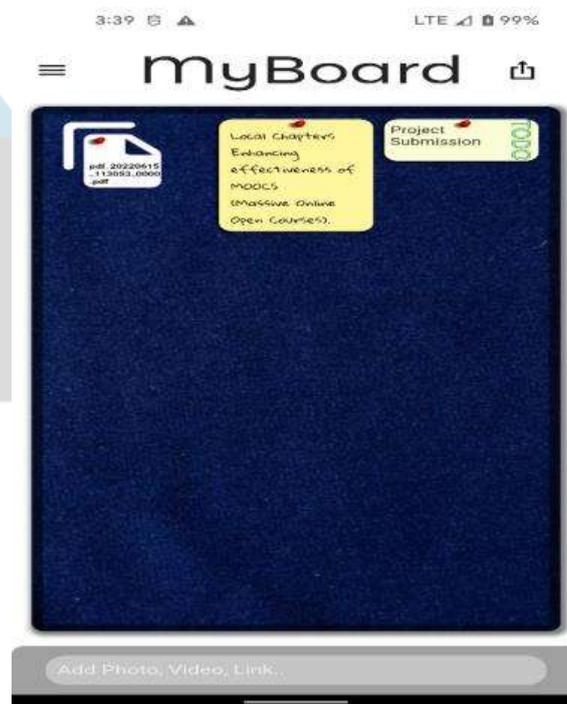


Fig : TEXT PAGE

We can add text information and to-do lists on this board.

**AUDIO PAGE**



Fig. AUDIO PAGE

This is the page on which we can add audio information on the board.  
**REMINDER PAGE**

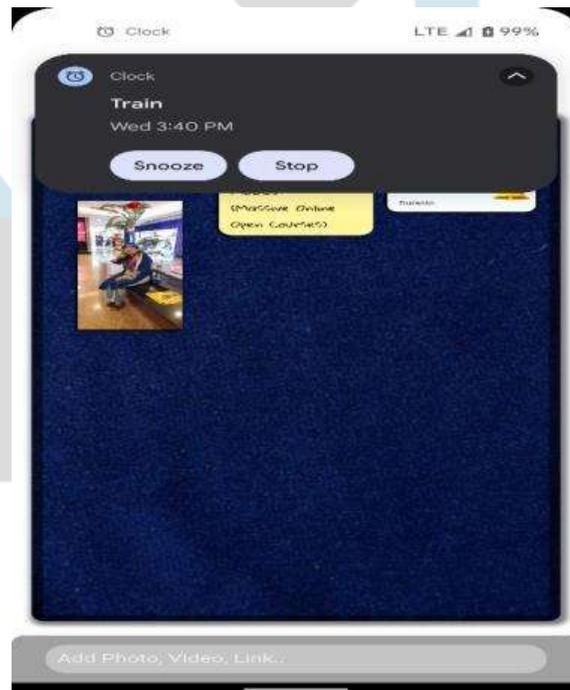


Fig. REMINDER SET PAGE

This is the page it shows the notification after set the reminder.

### REMINDER INFORMATION

3:39 LTE 99%

<

### Add Task

Title  
Train

Note  
Duranto

Date  
Wed, Jun 15, 2022

Time  
04:45 PM

Reminder  
5 minutes early

Repeats  
None

Do you want to enable alarm for this task?

Create Task

Fig: REMINDER INFORMATION

This is page that shows the information required to set the alarm

### DELET OPTION PAGE

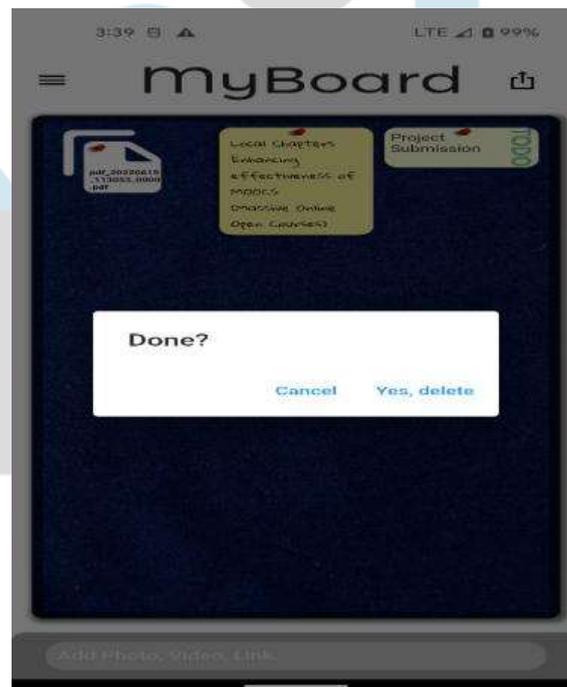


Fig. DELETE PAGE

This page shows the delete option on which we can delete any information at any time.

**LINKS AND SCRIBBLES**

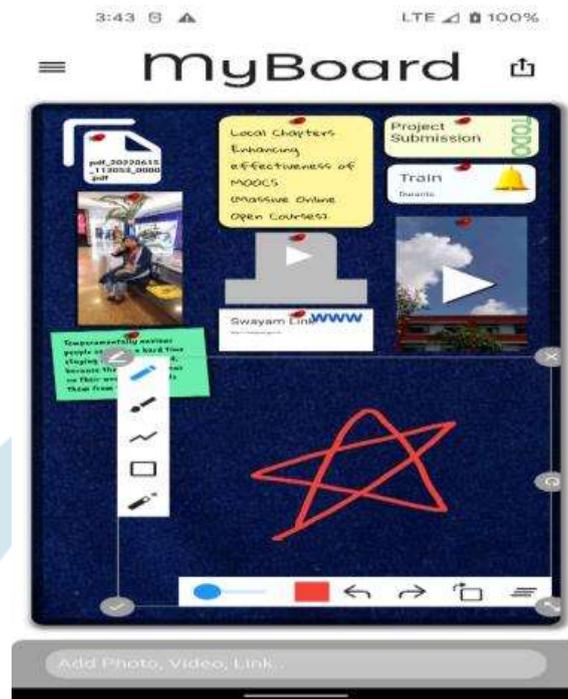


Fig. LINKS AND SCRIBBLES

This is the page which shows the links and scribbles.

**ALL FUNCTIONALITIES ADDED PAGE**



Fig. ALL INFORMATION PAGE

Finally, this board looks like this after adding the information which we need.

**2. CONCLUSION**

Conclude that This application is very helpful to us to store our personal information on single board called as my board. By using this application we can save images, videos, clickable links, scribbles, etc.

Then after we can audio recordings and set reminders

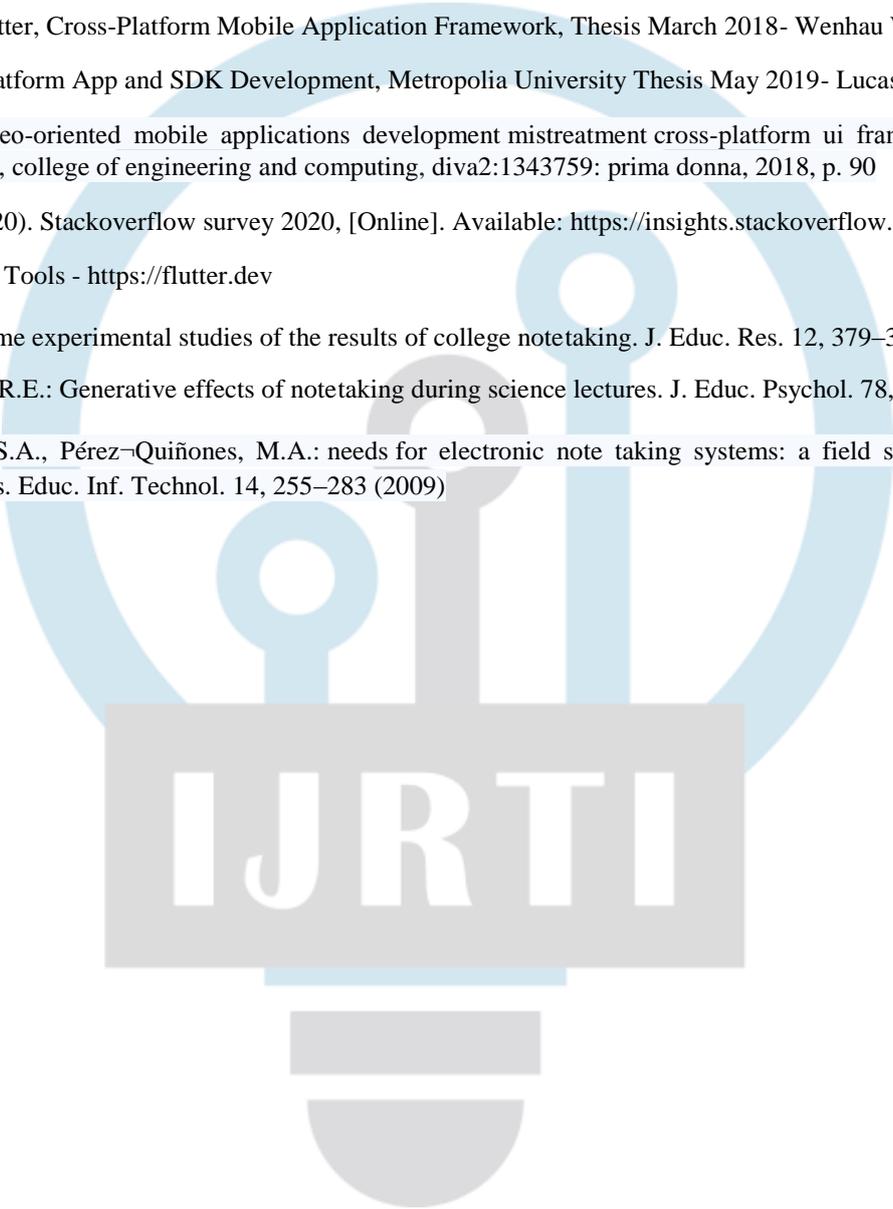
The main benefit of reminder is we can do our work

On time. This is personal board so no one can see our information but we added a option of sharing screen shot of our board on which we pinned our information. Flutter framework will actually modification loads of latest developers to develop high

performance and feature-full mobile applications at intervals the getting ready to future. The main advantage of note-taking applications is that notes area unit typically shared between students and lecturers. These notes can perform as reminders to end assignments or as a education tool to elaborate on in-class lectures, turn out discussion queries, and more. They allow users to store files. they enable users to share files. they assist users to arrange assignments. they're going to perform as school calendars. the most advantage of this project is we will store the entire data on one board, like pictures, links, videos, and quotes, and additionally if we have a tendency to don't have enough time to sort then quickly we will store audio files. that is incredibly comfy to US and that we will access this data whenever we would like. This app contains one board that is named as my board. On this board, we will pin all the knowledge we wish. The advantage is we will see all the knowledge in a very single place

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A large, light blue watermark logo is centered on the page. It features a stylized lightbulb shape with a circular top and a semi-circular bottom. Inside the circle, there are three vertical lines of varying heights, resembling a stylized 'I' or a similar symbol. Below the circle is a grey rectangular box containing the letters 'IJRTI' in a bold, white, sans-serif font. Below the box is a grey semi-circular shape, completing the lightbulb-like appearance.

IJRTI