Tell us what your idea is.

App Name

LED   (**L**earning **E**xploring **D**iscovering)

A little spark to your Creativity

Concept

Learning is an arduous process and retention has become very difficult.

To help a person, student or otherwise to read a text and then self assess their understanding and retention in a fun challenging way are the goals of this app.

This App can be used across the fields to improve their learning experience.

To make the user explore and master their subject of choice.

Method

A Text of interest is the content which is uploaded as an image .

This information is then extracted using MLKit text conversion.

With the text extracted we make fun games such as quizzes, fill in blanks, Multiple choice Question and other games so that the subject becomes engaging and immersive.

The app is completely offline and hence takes care privacy of the content.

The games will be created mindful that everybody can play, the games will have voice commands to choose options.

Tell us how you plan on bringing it to life.

The location of the project is at https://github.com/localplace/LED

Demo Recording
https://www.youtube.com/watch?v=Do2L7Ms0X_8&feature=youtu.be

Dec 1st - Dec 30
  a) Test all types of content from wide range of books, newspapers and look at improvements on how to make the games accurate.
  b) Explore different kinds of font and format and orientation of text content to make the games more meaningful and accurate.
  c) Understanding NLP in more detail to accomplish above tasks.
  d) Extend the app to fun and immersive games , Write code in Kotlin and build UI for MCQ's, Quizzes.

Jan 1st - Jan 30
  a) Make the games which will be played with Speech Commands
  b) Explore and Extend app to multiple languages,
  c) Improve the stopwords , and removal of insignificant words.

Feb 1st -Feb 28th
Test App thoroughly to make it production ready.

Help I would like from Google , to get feedback from experts on how my app is shaping up and also help how to best integrate the NLP techniques.

Tell us about you.

I am Malathi Dharmalingam, Android Software Engineer in Bangalore .
I did my Masters in Computer Science from NYU.
I have been working in Android for the last 6 years.

Currently working in building a Media app in AndroidTV for kids for Viacom18
Worked in building Grocery and Clubcard app in Tesco Retail division.
Have done an internship at Rutgers Research for building sensor library for testing self driving cars http
://summer.winlab.rutgers.edu/projects/wiki/2012/Projects/ASL .
Some other projects
https://devpost.com/software/mdcliniqtrial

I have worked on Machine Learning Project related to Face Recognition using Facenet Library for Movies, Project used to Encode images, and identify them in movies