



**SMART INDIA
HACKATHON
2022**

Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation:

PS Code: AK1089

Problem Statement Title: APPLICATION TO IMPROVE READING
PROFECIENCY

Team Name: DATA PIRATES

Team Leader Name: NEERAJ GUPTA

Institute Code (AISHE): U-1056

Institute Name: NETAJI SUBHASH UNIVERSITY OF TECHNOLOGY(NSUT)

Theme Name: Dynamic books

Idea/Approach Details

Describe your idea/Solution/Prototype here:

- WE ARE WORKING TO PROVIDE DYNAMIC DIAGRAMS IN OUR BOOKS SO THAT USER MUST HAVE INTEREST IN READING AS THESE DIAGRAMS ARE GIVING STEPWISE SOLUTIONS . BECAUSE PEOPLE LEFT BOOKS BY LOOKING AT THE COMPLEX DIAGRAMS BECAUSE IT IS DIFFICULT TO UNDERSTAND.
- THE VISION TO IMPROVE READING PROFECIENCY



Technology stack here:

- We used pyhton Tkinter module for our application
- There are two files creator.py which create test.ap which is a data file
- And there is a reader.py file which read test.ap and show a dynamic book page with a dynamic diagram and text diagram will start to draw after clicking on play button

Idea/Approach Details

Describe your Use Cases here

- People face difficulty to understand complex diagrams drawn in books so we tried to make an application which can add a dynamic diagram in books by using a file and an application to create and read this file it gives an effect to the reader that someone is drawing the diagram in front of him so that he can understand the too complex diagram
- And he can improve his learning from books depth knowledge without searching it on YouTube, or looking for any video explanation.

- the project requires python tkinter module and python language support

Branch : BTECH EE YEAR(II)

Team Member 1 Name: BHARAT PRABHAKAR YADUWANSHI

Branch : BTECH EE: YEAR(II)

Team Member 2 Name: LOKESH PANWAR

Branch : BTECH EE: YEAR(II)

Team Member 3 ANURAG TIWARI

Branch : BTECH EE: YEAR(II)

Team Member 4 Name: AKHILESH KUMAR

Branch : BTECH EE: YEAR(II)

Team Member 5 Name: SONAKSHI

Branch : BTECH ICE: YEAR(II)

Team Mentor 1 Name: DR. MOHINDER PAL SINGH BHATIA

Category (Academic/Industry): Expertise (AI/ML/Blockchain etc): Domain Experience (in years):

Team Mentor 2 Name: MANU SHEEL GUPTA