**DESIGN AN ANDROID APPLICATION TO PUSH THE DATA TO THINKSPEAK SERVER**

In this project we are going to design an android application to push the data to thingspeak server.

For this first let us know what all we required , how can we use it and what for we are using those.

The things used in the project:

1. Thingspeak

2. MIT app inventor 2

**THINGSPEAK**:

>Thingspeak is an open-source platform that provides various services exclusively targeted for development of IoT applications. It was originally launched by Iobridge in 2010 as a service and suuport of IoT applications.

>It enables various services like real time data collection analysis and visualization of collected data in means of charts.

> **ThingSpeak** is IoT **Cloud** platform where you can send sensor data to the **cloud**. You can also analyze and visualize your data with MATLAB or other software, including making your own applications. The **ThingSpeak** service is operated by MathWorks.

> So now lets login to thingspeak to know more about it.

> Go to my channels .where you can find API keys which we gonna use in our project .

> Copy the write API key which is present at the right side.

The API key url thet I used in my project :

https://api.thingspeak.com/update?api\_key=XEAY5Y6QQENAOIVI&field1=0

**MIT app inventor 2**

**MIT App Inventor** is an online platform designed to teach computational thinking concepts through development of mobile applications. Students create applications by dragging and dropping components into a design view and using a visual blocks language to program application behaviour.

Here firstly we login to the mit app inventor 2.

>We have to create a project

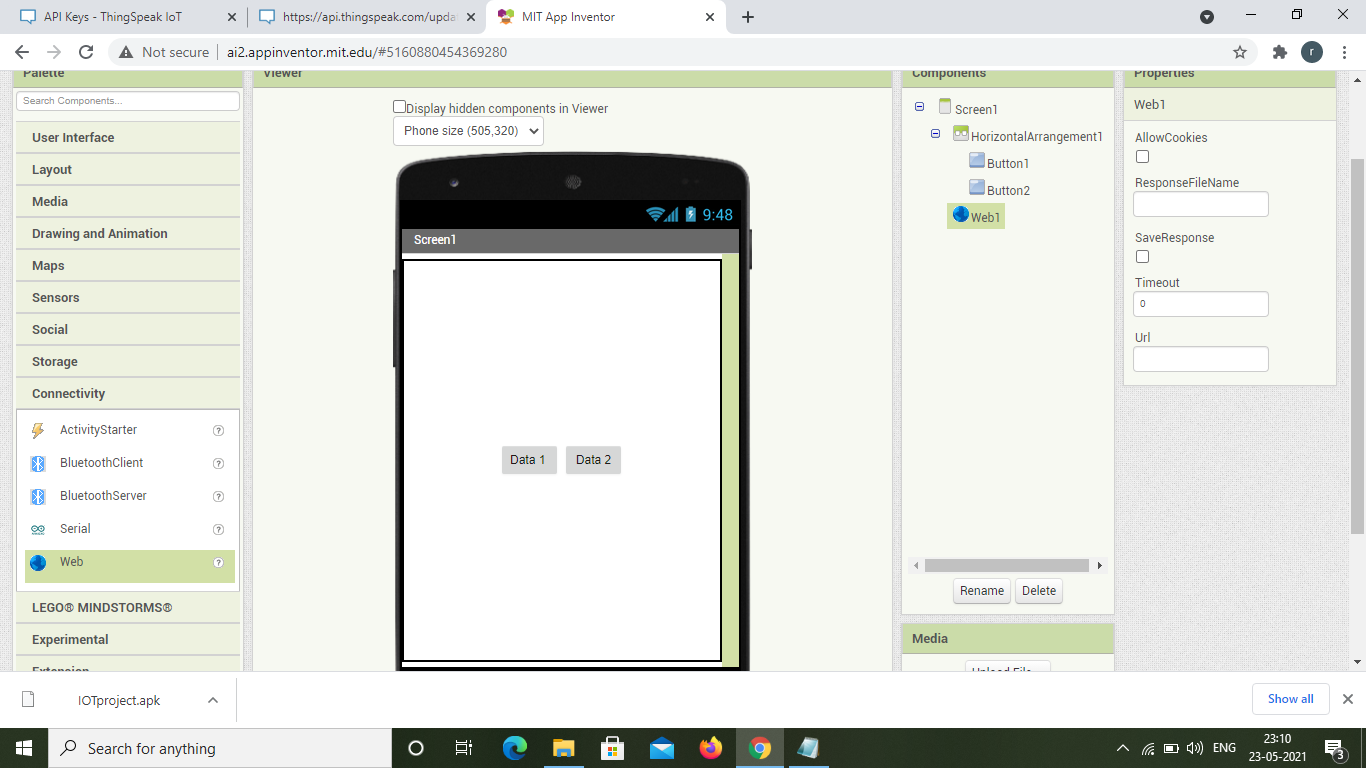
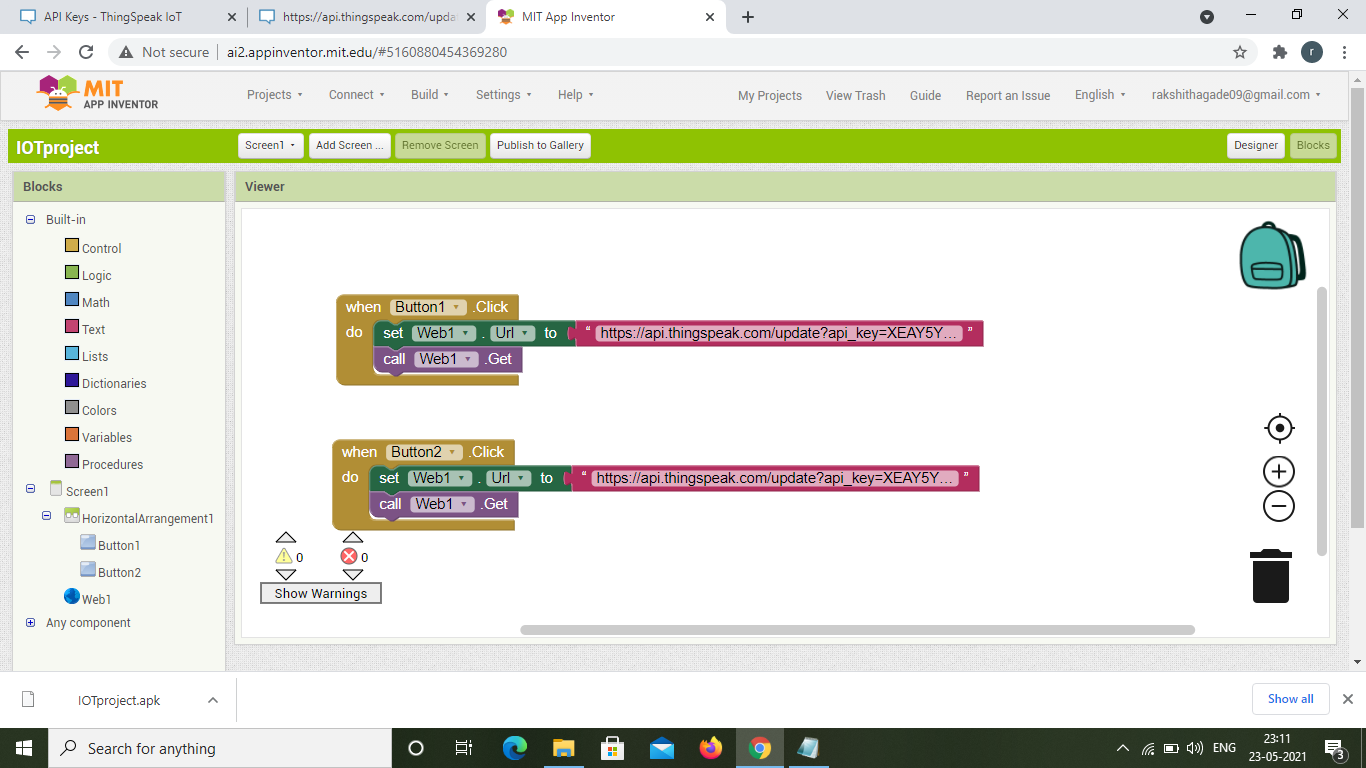
>As we are aiming for pushing the data to thingspeak we are creating this application.

We design and create the blocks as per the requirement .while creating blocks we add our url that we use in had in the thingspeak.

The project link that I had created is:

Link for QR code: <http://ai2.appinventor.mit.edu/b/islz>

**Pictures:**

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