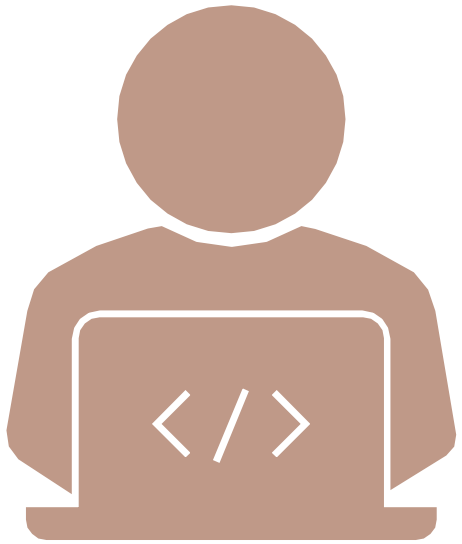
Tech Society Basic Plan



Installation of the software's and dependencies

- Python v3.8.2
- Anaconda
- NodeJS
- visual studio-code

Setup

- In anaconda we select the path variable option while installation.
- The program can then be launched either by opening anaconda navigator or by typing “jupyter notebook” on cmd.

The Schedule

- The first thing we will do is basics of any programming language. So ill tell datatypes the basic procedure you should follow and more of a theoretical class.
- Based on the student's adaptation we will start with python or JavaScript

Python

- We will finally be able to sort a large amount of data into a required usable form

JavaScript

- We will be able to create our own single page application and website on react native.

DEV development tools by browser

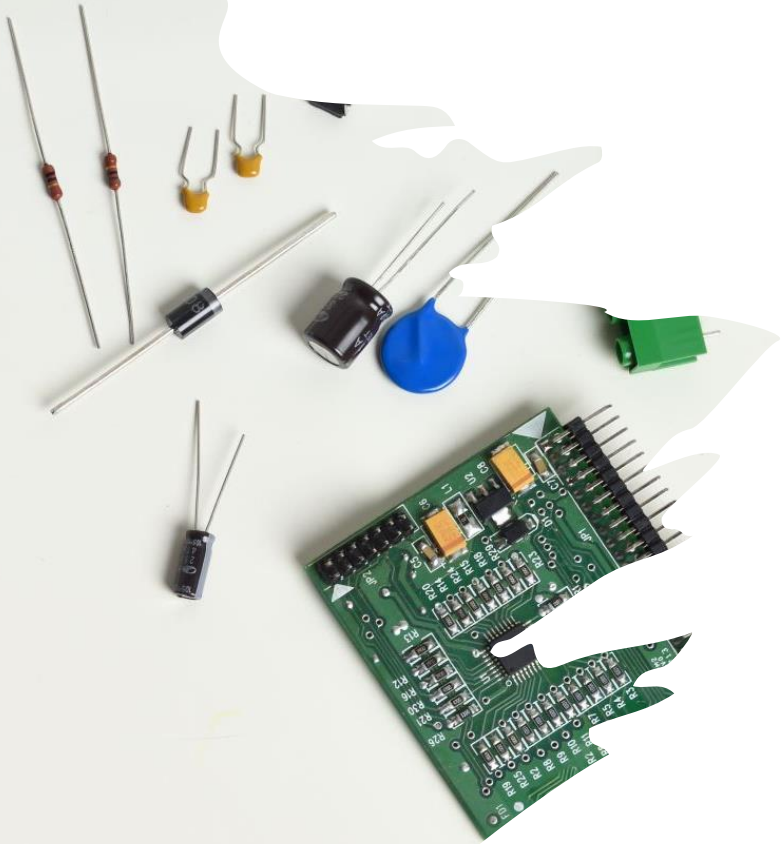
- We will have a look at tools offered by the weba nd xhr and http requests

MongoDB and React

- Will be used with JavaScript
- React is a Facebooks framework for js
- MongoDB is a non-SQL database
- Some famous SQL databases belong to microsoft

Amazon Web Services Learning

- The students will learn to create an IAM user account on aws and then learn buckets and amplify. (The Basics Required For Uploading The Website)
- Lambda Function for making Alexa skills



Hardware and iot portion

- Can only be done in school, else students won't be able to perform it.
- Includes –
    1. Working with raspberry pi
    2. Introduction to various sensors
    3. Drilling will be taught to students
    4. Finally the skill of soldering is taught.

Links

- GitHub – here you can see all the programs that we will be doing (https://github.com/info-arnav)
- Fill this form for the next classes plan (choose the topics wisely as one language takes approx. 450hours to master) - (https://forms.gle/8csouxgGtiAYRV1M6)

Thank you