

Portal for Visually Impaired

Mukesh Kumar(2012CS10236)

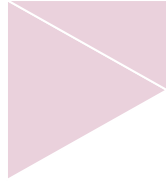
Sanjay Beniwal(2012CS50297)



Objective

- A Special Platform for visually impaired which will contain all the quality information, gathered from the various sources under the properly categorized sections.
- Enabling the disabled to aware about the technology and information which will be helpful for them.
- Making the website such that the website is accessible to the persons with visual impairment.





Tools

- Primary : PYTHON, HTML, CSS , JAVASCRIPT
- Framework : Materialize Css
- Screen Reader : NVDA
- For checking the mobile responsive of the website we are using Chrome browser.



Features

- Font Change:
 - Increase Font Size
 - Decrease Font Size
- Contrast Mode
 - For More Visual Impact there is a contrast option which will change the background and Font Color.
- Access key :
 - Keys to navigate through the website.
- Admin Privilege
 - Addition and deletion of the web content and tracking the changes made by the other users.
 - Adding the admin privilege to others.
- User Login :
 - Save his setting for the website and get accessible to other features.



Methodology

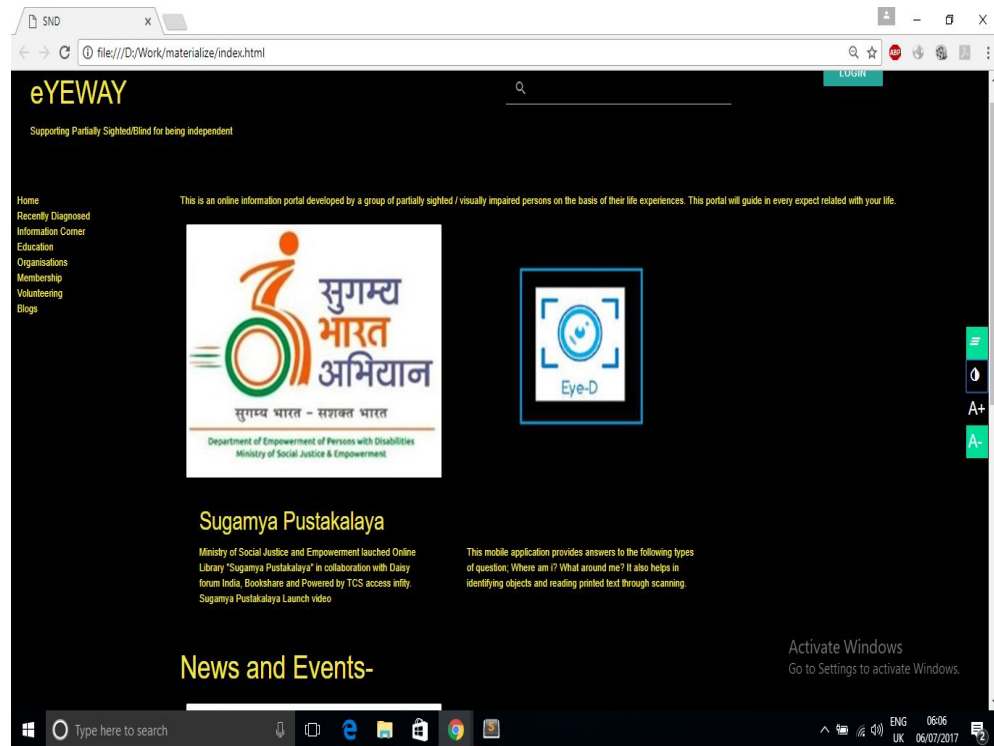
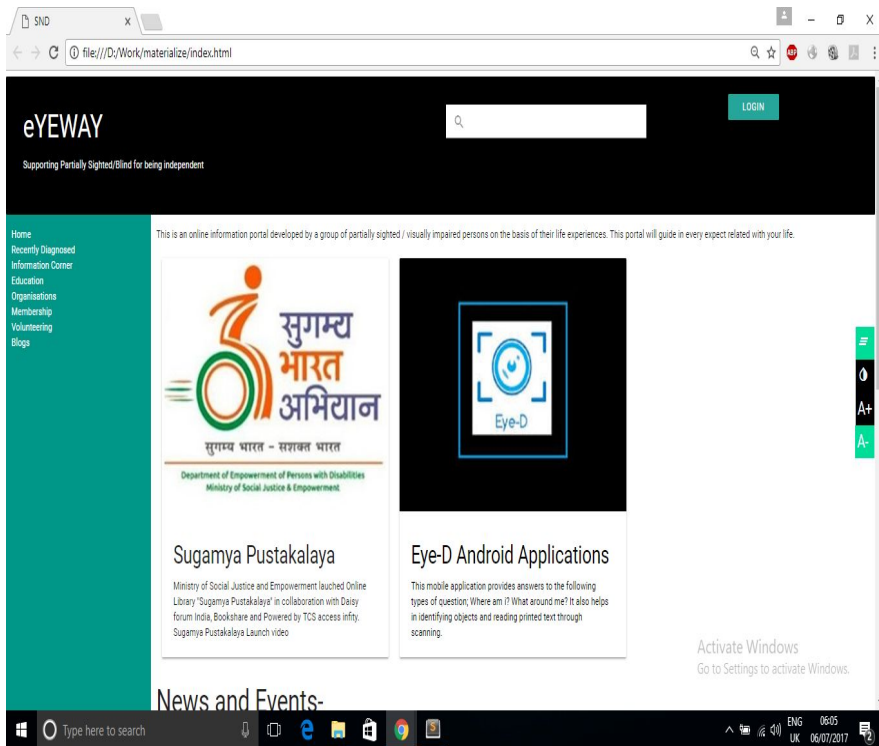
- Font : Changing the font Size value with proportion as suitable.
- Contrast change : Made 2 different CSS file and switching it as per the need.
- Accessibility : Followed the guidelines in making the frontend of the website.
- Admin : Used the Django tool to make the admin with additional features.
- Integration of the website : Integration is done by making the API in Django and connected with the frontend of the website.



Deliverable

- Dynamic Website where admin can add or remove content from properly categorised sections.
- Website is accessible with the screen reader.
- Make CMS.
- Make website compatible with every screen size.
- Admin can also add latest News and Events with description and link provided for the given news and event on website.

Screenshot





Future Aspects

- Crowdsourcing
 - Editing Existing Content
 - Adding New content
- Search Feature for other details apart from given in website.
- Translate in local Languages
- User Contribution rating
- Content Rating
- Notification for latest News and Job
- Motivation and tutorials



Major Learning

- Website Development
- Make website accessible
- Knowledge of working with frameworks : Materialize CSS and Django
- Problems Faced By disabled people in getting information and accessing the features and content of the website.



Thank You.