

Website Development with Admin Dashboard for Mission Institute for Training, Research and Action

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Abstract: *The Web is an increasingly important resource in many aspects of life to interact with people such as in education, employment, government, health care, and more. But when it comes to people with disabilities, they have certain problems when accessing the web. But still many websites still lack accessibility features. According to the World Wide Web Consortium, Web accessibility is about designing and developing websites, tools, and technologies that people with disabilities can use. People with disabilities should be able to recognize, understand, interact with, and contribute to the web. In this article, we are majorly focusing on people with visual impairment as well as the non-English speaking audience. For that purpose, we are making a user-friendly website that is accessible to all. A person with low vision can't read small text, for that purpose we made a font resizer button that makes it easier for them to read content along. As in India "Hindi" language is used by the majority of people so we made a हिन्दी button that translates the web content into the Hindi language for non-English speaking people.*

Keywords: Disability, Web Accessibility, Admin Dashboard

I. INTRODUCTION

The Web is an important source in day-to-day aspects of life: education, employment, government, commerce, health care, recreation, etc. It is important that the Web must be accessible to everyone irrespective of their diverse abilities. Although many research studies have been done on web accessibility for people with disabilities. The study aimed to develop a conceptual framework of website accessibility and acceptance by disabled as well as normal based on widely-accepted unified principles of website accessibility and the use of technology.

It is safe to say that accessibility benefits all members of the community, including people with disabilities, improves accessibility, improves the quality of life, creates more independence and better social cohesion, and thus maintains good health and thus saves money over a long period. Improving accessibility gives people with disabilities the opportunity to be independent in the community, which reduces the demand for special services, thus benefiting all members of the community mentally as well as financially.

Mission Institute for Training Research and Action (MITRA), is a non- governmental organization register under Societies Registration Act, XXI of 1860 established. The MITRA is committed towards the welfare of mankind irrespective of caste, religion and community, by providing our preventive, rehabilitative, educative services like training, research and action towards need of the society, various issues in all the sphere of life. We came together with this organization to work on this paper to help people with diverse abilities.

II. WORK DONE

Since this project has been given by the MITRA foundation so we have made this according to their requirements. The main aim of this website was to make it user-friendly for disabled people. The visually impaired people can use our font sizing option as well as the non-English speaking people can use our Hindi button to auto-translate the website for ease of web accessibility.

The website also has a User Form for disabled people. This form is filled out by the disabled person in order to apply for any aid. This form contains some basic details such as name, UDID number, date of birth, gender, caste, sub-caste, etc. Along with these details, the person is required to select the services he wants from the displayed category.

Another key aspect of this website is the Admin Dashboard. The admin with the initially provided username and password has the access to this dashboard. The dashboard contains multiple different sections such as -

- Search Data: This section displays the prefetched data from the sheet of disabled people provided by MITRA. This function is made easy by adding the search box where the admin can type the name of the person and the data is displayed.
- Read Data: This section displays the name and details of the people who opted for aid through the User Form.
- Add Data: This section can be used to add more new details to Search Data.
- Form Data Search: This section displays data from Read Data section but by specifically typing a certain person's name in the search box.
- Notice: Here the admin can type the text that they want to display on the homepage as a notice or an announcement.

III. LITERATURE SURVEY

[1], [2] & [3] These websites helped us understand how a web-accessible website works and look which cleared many doubts about the actual working of the website.

[4] Since we are making this project for a rehabilitation centre, this website with a similar ideology helped us to understand the requirements.

[5] This paper covered a lot of studies about visually impaired people and their views on the websites and the problems they faced as well their requirements.

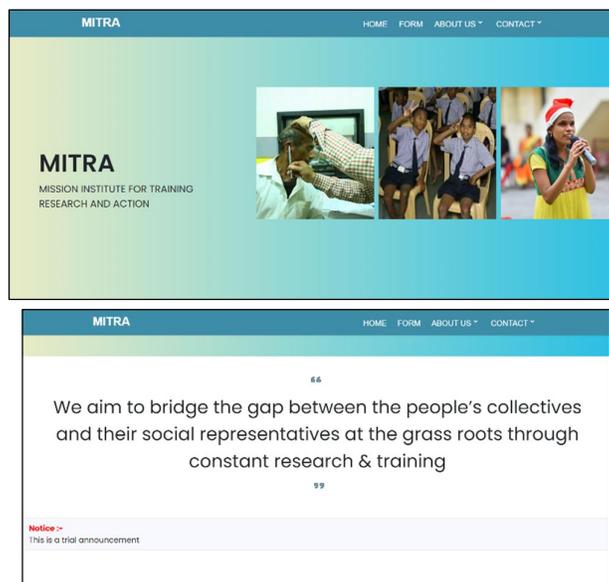
[6] This paper covered the key errors which are diagnosed and resolved while making a web-accessible website.

[7] This paper gave a deep understanding of the factors which must be taken into consideration while making and evaluating web-accessible tools.

[8] & [9] These papers covered the standard web-accessibility guidelines that need to be followed and also what is the current level of web accessibility in the world.

[10] This paper covered topics such as the need for web accessibility, its major role in audience engagement, why most organizations are not web accessible, the legal status of web accessibility as well as the resources that are available for web developers for web accessibility.

IV. IMPLEMENTATION





MITRA HOME FORM ABOUT US CONTACT

Our Achievements



Zero Pendency Drive for Disability Certificate
Issued Disability Certificates for people with disability with 100% up to Block Level



Training & Awareness Programmes
Arranging informative programmes in the community



Services for Persons with Disabilities
Provided the various Preventive and Therapeutic Services to persons with Disabilities



Rights of Persons with Disabilities
Awareness Generation Programmes on Rights of Persons with Disabilities

MITRA HOME FORM ABOUT US CONTACT

Watch more videos here 



Our Vision

"To be a centre of excellence in training and research to produce globally competent professional health care services and action for more the better persons in society for long term health with innovative, accessible and premier services available to all Persons with Disabilities through research, development and implementation of evidence based research through research, development and implementation of evidence based research."

Our Mission

"Our vision is to be the preeminent, distinguished centre for health care available for the betterment of the health and promotion of the knowledge of world health."

MITRA

PERSON WITH DISABILITY REGISTRATION FORM

Full Name (हिन्दी में लिखें):

USID Number (यू.डी. नंबर):

Date of Birth (जन्म तिथि): / /

Gender:

Caste / Category (वर्ग / श्रेणी):

Educational Details (शिक्षण):

ADMIN LOGIN PAGE

Email ID:

Password:

Search Data

Fetch Data

Add Data

Form Data Search

Home



This is Admin Panel

V. CONCLUSION

We are positive about the long-term potential of web accessibility, not because we think web developers will conclude that accessing sites is the right thing to do but because the practical benefits of accessibility far outweigh the costs. Web Accessibility practitioners and researchers can incorporate usability techniques to improve 'usable accessibility'. Web designers and researchers can incorporate accessibility to make their designs work better for more people in more situations. Addressing accessibility, usability, and inclusion together can more effectively cause a more accessible, usable, and inclusive web for everybody.

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