

Generating Usability Reports from User Inputs and Eye Movements

PROJECT REPORT

Submitted in the partial fulfilment of the award of the degree of

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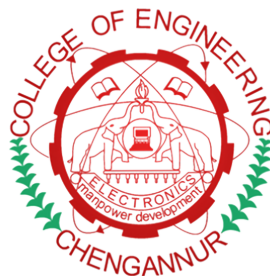
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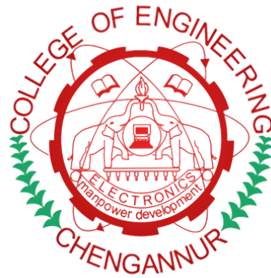
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CERTIFICATE

This is to certify that the seminar entitled

Generating Usability Reports from User Inputs and Eye Movements

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is a bonafide record of the work done by him.

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ABSTRACT

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1 INTRODUCTION

2 PROBLEM FORMULATION

3 LITERATURE SURVEY

3.1 Eye-Tracking

- PACE
- TurkerGaze
- WebGazer

3.2 Usability Testing

4 RELATED WORKS

4.1 Tobii

Web-based Usability testing tool for quick and easy user testing of web-sites or digital products. Live viewing of where the user is looking and generates a timeline view of eye tracked.

4.2 Nielsen Norman Research Study

The Nielsen Norman Group is an American computer user interface and user experience consulting firm.

4.3 [usertesting.com](https://www.usertesting.com)

5 PROPOSED SYSTEM

In this proposed system, a user can submit a URL of the website to be analyzed. The system then generates a unique URL for this experiment which can be manually shared to different users. Testers can access this URL and interact with the website normally while we collect the tester's eye coordinates that we obtained through webgazer.js. Basic demographic of the tester such as age and gender are also collected for categorization and report generation. The collected data is then stored in the server. The testing details can be reviewed from the admin's dashboard. Several features such as timeline, demographic filtering, heatmap, etc, are provided for easily analyzing the data.

6 SYSTEM DESIGN

7 CONCLUSION

8 REFERENCES