

KATHMANDU UNIVERSITY

Department of Computer Science and Engineering

Dhulikhel, Kavre



Mini Research Weekly Report (Week 6)

on

“Improving the UI/UX Design of Nepal Stock Exchange Trade Management System”

[COMP 341]

(For partial fulfillment of 3rd year/ 2nd semester on Computer Science)

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6. Select appropriate usability evaluation method for your case. Perform usability testing with the targeted users of your case and finalise your work. Your mini research project must be a Minimum Viable Product (MVP), which will be evaluated by the course instructor.

For our mini-research project on improving the user interface of the NEPSE TMS website, the usability evaluation method that we used is usability testing. Usability testing involves observing and gathering feedback from targeted users while they interact with the website. This method allowed us to identify specific usability issues, understand user preferences and behaviors, and assess the overall user experience.

To conduct usability testing, we recruited a group of targeted users who frequently use the NEPSE TMS website, such as investors in the stock market. We created test scenarios and tasks that represent common actions performed on the website, such as searching for stock information, placing trades, and managing portfolios. Participants were observed while they complete these tasks, and their actions, feedback, and difficulties encountered were documented.

Based on the insights gathered from usability testing, we iteratively refined and enhanced the user interface design of the website. The feedback received from the targeted users helped us identify and prioritize critical issues and make informed design decisions. This iterative process continued until we reached a stage where the website met the requirements of a Minimum Viable Product (MVP).

Ultimately, our mini research project, in the form of the MVP, would be evaluated by the course instructor. The usability testing results, design improvements, and the

overall effectiveness of the user interface enhancements would be presented and discussed to showcase the success of the research project to our course instructor.