

IIS Project Report

1. Project Name : User Study Support and Study Data Analysis Project

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4. Project Progress: I looked up websites and programs on my own that are utilized in deepfake situations. After that, I looked through my network to see if anyone else had fallen victim to deep fake incidents. I've now made a Facebook account and am looking for someone by browsing different women's groups. Completed a thematic analysis of the exchange "Can people with disabilities who require support for their well-being be helped by the 'large language model' in an impartial manner" .

5. The overall To-do list of tasks:

Created a dataset from the online posts on Twitter and Reddit regarding Deepfake.(Salomi Jessieca)

Finding research papers regarding Deepfake (Akshaya Mamidi)

Thematic analysis on user study(Vamsi Priya, Aashritha Mamidi)

6. Individual Contribution:

Completed a thematic analysis on the user study conducted on disabled people who need well-being support.

Throughout the qualitative data gathered for this study, themes and recurrent patterns were found using thematic analysis. It was possible to identify important themes that reflected the viewpoints and experiences of the participants through methodical coding and thematic grouping. Ensuring that the themes effectively

encapsulated the substance of the data required meticulous examination and improvement throughout the analysis process. Providing important insights into the research issue, these themes form the basis for the project's findings and debates.

Steps that need to be done in the thematic analysis are:

- Data Familiarization
- Initial Coding
- Theme Identification
- Review and Refinement
- Analysis and Interpretation
- Report Writing
- Revision and Finalization

Work Done:

Codes	Themes
<ul style="list-style-type: none">• Gender• Annual Income• Ethnicity• Education• Field of work• Employment Status• Marital Status• Housing Situation• Primiray Live• Language• Vision	Personal Details
<ul style="list-style-type: none">• Clarity and details build trust• Complicated language• False answers• Accuracy• Updates answers	Trust and Accuracy
<ul style="list-style-type: none">• Emotional Support• Casual responses make the AI more relatable• Human connection cannot be fully replicated by AI	Human-like Qualities

<ul style="list-style-type: none"> • Answering queries • Engaging with philosophical questions • Providing sensible and detailed answers 	Potential Use cases
<ul style="list-style-type: none"> • AI should be transparent • AI should communicate its limitations 	Transparency about AI Identity
<ul style="list-style-type: none"> • Developers should focus on increasing answer accuracy. • Regular updates • Inclusivity • AI should aim to be empowering for users. 	Inclusivity and Empowerment
<ul style="list-style-type: none"> • AI should not exhibit • AI should not perpetuate • Bias and stereotypes 	Avoiding Bias
<ul style="list-style-type: none"> • AI cannot help humans • AI cannot alleviate loneliness 	Limitations of AI Companionship

Future Implementation:

In addition to conducting additional user studies, we want to text-transcribe the speech data and do a thematic analysis using the user-provided data.