



MetaMovers Questionnaire

● Background Information:

With the advancement in virtual environment technology (VE) and brain-computer interface technology (BCI), there is substantial amount of potential to create immersive experiences that empower disabled people specially paralysed individual by enabling with extraordinary power and environment to perform any tasks they might find challenging in this physical world. By programming and developing special devices that translate neural signal into command in virtual environment to perform any task or actions.

● Objective:

Our aim to investigate the potential benefits, feasibility, and acknowledgement of virtual environments enabling for disabled individuals by utilising their neural signal through brain-computer interface technology to perform extraordinary tasks.

1. Personal Details:

Name: _____

Email: _____

Age: _____

Occupation: _____

Gender: _____

Disability (if any): _____

2. Concept by Intuition:

Please complete the following questions with appropriate answers.

2.1. Have you ever engaged or utilized any form of virtual reality device (VR glasses) or Virtual environment (3D space)?

- YES
 NO

If yes, please describe your experience:_____

2.2. Are you familiar with the concept of brain-computer interface technology?

- YES
 NO

2.3. On a scale from 1 to 10 , how comfortable are you with the idea of using brain signal to interact with computer within a virtual environment? (1 is being not comfortable at all & 10 is being extremely comfortable)

ANS:

2.4. How do you feel this technology can significantly improve the daily life of disable people?

- Strongly Agree.
 Agree.
 Neutral.
 Disagree.
 Strongly Disagree

2.5. How willing would you be to participate in regular training sessions to enhance your proficiency with a BCI-driven Virtual environment system?

- Extremely willing.
 Moderately willing.
 Neutral.
 Reluctant
 Not willing at all

Please provide the answers for few more questions on page 2.

2.6. Are you currently using any assistive technologies or devices to aid with your disability?

Yes

No

If yes, please specify: _____

3. Concept by Postulation:

Please complete the following questions with appropriate answers.

3.1. How do you believe the potential of virtual environment, controlled by BCI, in rehabilitation settings?

- Extremely Positive
- Positive
- Neutral
- Negative
- Extremely Negative

3.2. What is your level of concern regarding the security concerns of BCI particularly with respect of data privacy?

- Extremely Concerned
- Moderately Concerned
- Unsure
- Slightly Concerned
- Not Concerned at all

3.3. How concerned are you about potential psychological & physical effect while interacting with this technology?

- Extremely Concerned
- Moderately Concerned
- Unsure
- Slightly Concerned
- Not Concerned at all

3.4. In your opinion, what would be the primary barriers to adoption of BCI-driven VE among disabled individuals?

- Cost
- Technology limitations
- Complex to understand utilization
- Others (Please specify) _____

3.5. For optimal benefits, how long (duration) do you think an individual should engage daily with a BCI-driven virtual environment system weekly?

3.6. How impactful would the capability for real-time interaction with other users (whether they have disabilities or not) be in a BCI-driven VE environment?

- Extremely Impactful
- Moderately Impactful
- Unsure
- Not Impactful

Your feedback and participation in this questionnaire provides valuable insight and will be instrumental in our research. Thank you for your participation.