

CSE 4451 Human Computer Interaction

Section: B

Mid Assignment 1

Submitted to:

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1. No. Answer

- a) I would chare multiple methods to get a propen idea.
 - i. Interview: I will conduct & tull structured interviews to gather astronauts personal expenience, challenges and ideologies & regarding their life on lunar base.
 - ii. Surveys: Distribute surveys to gather broader data on psychological and physical challenges from a larger group of astronauts to qualify their experience.
 - iii. Panticipant Observation: I will they to observe astronauts interactions in Lunar based environment to understand their thinking better.
 - iv. Contextual Inquiny: Interaction with astronaution while they perform task in their environment will allow me understant their behavior better.

- b) Reasons I choose these methods are given bellow:
 - i Intenview: Thisse will help gathening essential imsights from astronauts about their personal expenience, challenges, and strategies in a new environment.
 - ii. Surveys: this can provide quantitive data that identify patterns and common issues faced by astroauts.
 - iii. Panticipant Observation: Allows for real-time observation of behavior without relying soldy on self-reporting, giving insights into the physical and social environment.
 - iv. Contextual Inquiny: Provide Rech qualitative data on how they adapt to the challenges in Hier environment.

- in Interview: I will try to connect with an astronauts and twill try to reach to him on physically on a place on online through meet on zoom.

 I will ask open ended questions as much as possible, so that they can arswer freely.
 - ii. Surveys: I will design a google form with open ended questions to get & solid answers. But it will be short, so that they don't feel wosting their time.
 - iii. Panticipant Obsenvation: I will remotely observe their daily activity through corners on other sensors of the lunarbase.
 - iv. Contextual Inquiry: I will directly observe them and will ask questions in real time while they pentonm a task. This will give insights to the tasks.

2. No. Answer

1. Unstructured Interview:

Unstructure intervious are open-ended and allow the penticipant to lead the convensation. The neseaneher has little pre-determined structure, nelying based on instead on discussion.

Exploring unknower challenges in astronauts adaption: When researchers at an early stage and possess limited knowledge about astronauts psychological and social expeniences, unstructural interviews allow astronauts to freely share stonies and personal experience.

z. Semi - structured Intervou!

Semi structured intenviews are more floxable, with a mix of open ended and structured questions. The researchen have a set of key questions but change them based on the answers of the intercviewee.

Understanding Social Bynamics in Teamwork:

semi structured intenview could emplone how authoriants cooperate and resolve conflicts during missions. The interviewer might ask about specific instances of teamwork or conflict Resolution, but it will allow they to add details.

3. Strenctured Interview:

Structured interview follow a striet, pre-detarmined set of questions, allowing consistency.

Post Baission Debni Fing:

After multiple missions have conducted, structured interview will help to get the specific topic intenviewen wants to know. When there is a chance that the interview can go out of hand, this tisthe best solution.