



Internal assessment of QA activities

BITS Pilani K. K. Birla Goa Campus organized :

1. Internal Events for exposure of **Brain Computer Interface (BCI)** activities for the Undergraduate students.
 - a. More than 100 students attended the event.
 - b. Students exposed to using SSVEP and Eye Blinks to control Home appliances and for Wheelchair automation.
 - c.
2. Exposure to **VR/Mobile games for Cognitive Assessment.**
 - a. Attended by 100+ students as subjects.
 - b. Each subject spent 1 hour to explore the Games.

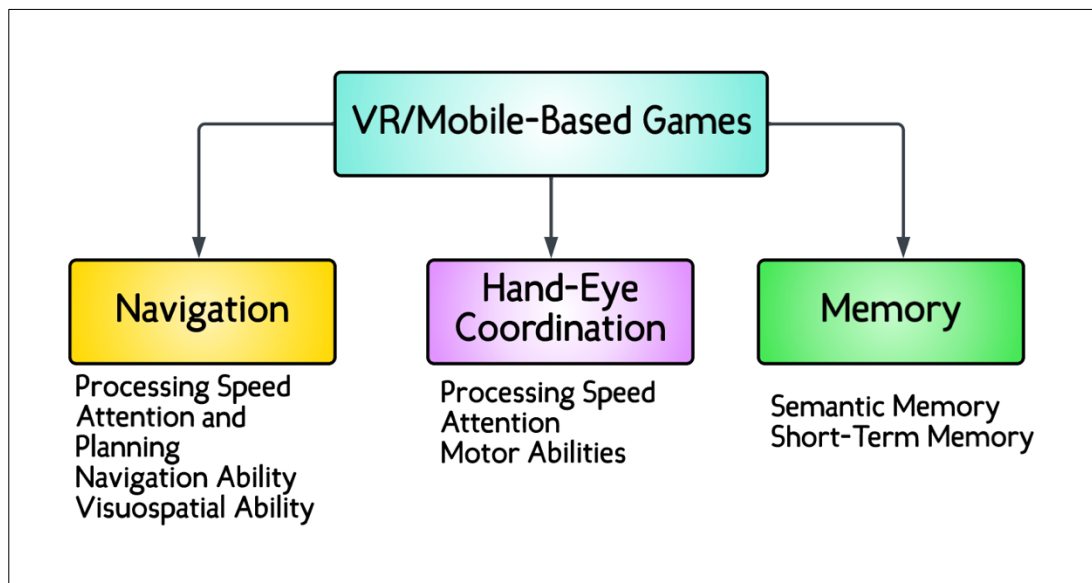


Figure 1 : Overview of the Cognitive Scores Constructs measured through VR/Mobile-based Games.

3. Live Demonstration of **EEG Data Acquisition** in classroom settings.
 - a. EMOTIV Device used.
 - b. Students tutored on Electrode placement, software usage for data collection and visualization.

- c. Students acknowledged the demonstration's importance and showed curiosity about the device and its application.
- 4. These activities were assessed internally for quality by PhD students of Prof. Veeky, namely Garima Saini, Yesoda Bhargava, Saumya Tripathi, Niharika Tewari and one Research Associate Kanthi Kumar Kattupalli.
 - a. All reviewers provided inputs and suggested improvements for next time.
 - b. Prof. Veeky also suggested to use end-to-end example for EEG study demonstration, including motor imagery.



Figure 2 : EEG headset used for demonstration purposes.