



Marketing activities of new IBRAIN Curriculum

BITS Pilani K. K. Birla Goa Campus has started:

1. Course on **Cognitive Neuroscience**.
2. Reading Course on **Computational Neuroscience, AI in Consumer Neuroscience**.
3. Journal Club on **Sentiment Analysis, Natural Language Processing, CNN-LSTM** linked to **Applied Neuroscience Research**.
4. Courses taken by more than 100 Students.
5. **Brain Computer Interface (BCI) Training**:
 - 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.
6. 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

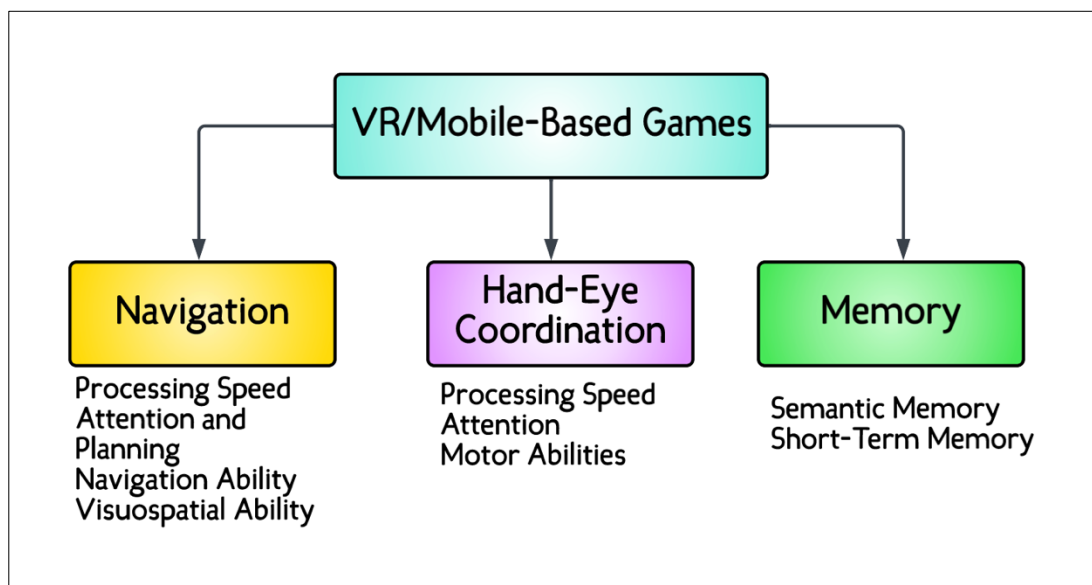


Figure 1 : Overview of the Cognitive Scores Constructs measured through VR/Mobile-based Games

7. Round Table Track on **Data Issues in Cognitive Neuroscience**(Online) (December 2020).

- a. Talks and topics presented by project members and students enrolled in the Cognitive Neuroscience Courses.
- b. Attended by 2 Head Researchers in Cognitive Neuroscience.
 - i. **Prof. Veeky Baths**
 - ii. **Dr. Nithin Nagraj**
- c. One PhD student.
 - i. **Mayur Jartarkar**
- d. Talks given by **under-graduate students**:
 - i. Title: **Imagined Speech.**
Speaker : Alish Dipani.
 - ii. Title: **Syntactic Processing and Language Comprehension Data.**
Speaker : Rajaswa Patil.
 - iii. Title: **Early detection and tracking progression of Alzheimer's Disease.**
Speaker : Pranav Mahajan.
 - iv. Title: **Importance of inductive Biases in Learning Systems.**
Speaker : Sharad Chitlangia.
 - v. Title: **Child Language Data.**
Speaker : Arijit Gupta.
 - vi. Title: **Word2Brain2Image : A data driven approach towards understanding brain representations.**
Speaker : Ajay Subramanian.

8. Training of 4 students :

- a. Pranav Mahajan and Vardhan Palod on **Computational Addiction Model**
- b. Riddhi Zantye on **Homeostatic Reinforcement Learning (HRL)**
- c. Yesoda Bhargava, PhD on HRL