



**RESEARCH & DEVELOPMENT CELL**

**INNOWORKS**

**Date: 02-01-2025**

**Project Code** : IW01SVCOPT

**Project Coordinators:** Dr. G. Amuthavalli, Professor, SVCET & Dr. Jayanthi Associate Professor, SVCOPT

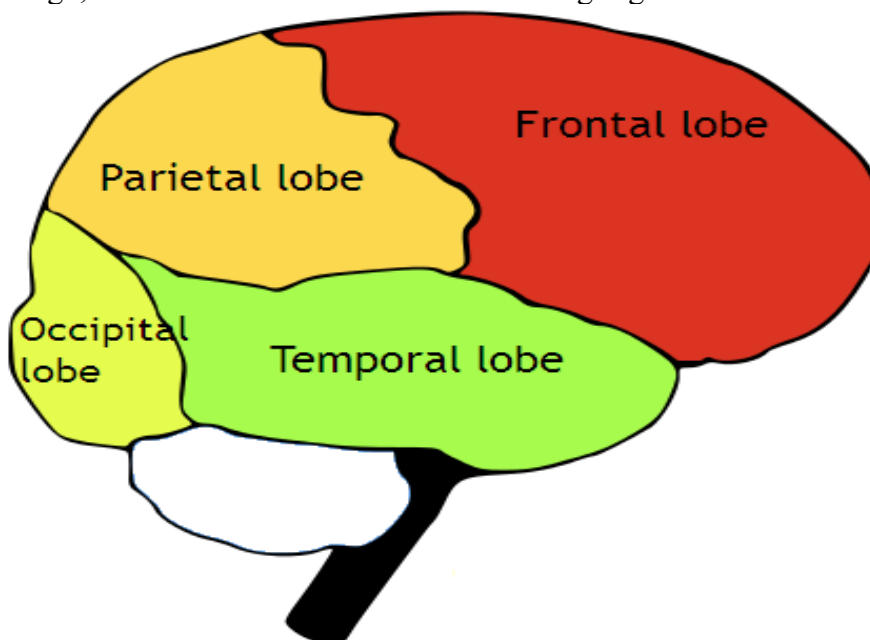
**Student Team** : Vasanthan/III CSE, Akashraj/III CSE and Srinithy/III ECE

**Project Title** : An APP for assessing Attention disorders

**APP Name** : Atten Track

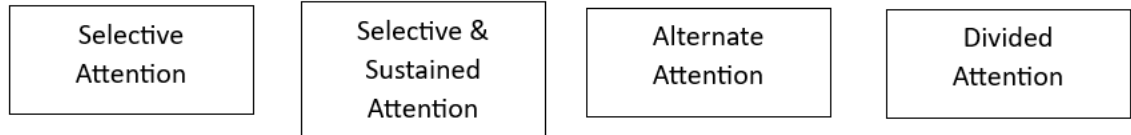
**Feedback of Trail Version of Atten Track**

1. In the “Attention page-Start Test”, Background should be changed. Use the following image, in which “frontal lobe” should be highlighted:



2. After login to the page-user details, the following changes should be done:
  - a. Add asterisk \* symbol to the mandatory sections such as name, age, gender, email id and mobile number.
  - b. Add place of work/study
  - c. Add city & state where you live, remove address
  - d. Add nationality
  - e. Delete insurance provider/policy number

3. After entering the user details, a page should appear with the following 4 boxes:



4. Test should be taken by the users based on their interest. Test should not be from component 1 till component 4 for all the users.
5. If a user wants to take test for Selective attention alone, he/she can choose “Selective Attention”. The Selective attention test page will appear with the following:
- Instructions
  - Trial test link of Selective Attention
  - Main test link of Selective Attention

The result should be displayed at the completion of the test. That user is not needed to take the other tests.

6. If any other user wants to take test for ‘selective & sustained attention’ alone, he/she can choose “selective & sustained attention” and the page will open with the following:
- Instructions- Complete ‘Selective Attention’ Test and Proceed to ‘selective & sustained attention’ test.
  - Link to the “selective attention test” with automatic navigation to “selective & sustained attention” test.
  - In the selective attention test page, the following: Instructions, Trial test link of Selective Attention, and Main test link of Selective Attention should appear
  - After completion of the test, automatically open the “selective & sustained attention” page with the following: Instructions, Trial test link, and Main test link of selective & sustained attention should appear.
  - After completion of the two tests, the cumulative result of the two tests should appear.
7. If any other user wants to take test for ‘Alternate attention’ alone, he/she can choose “Alternate attention” and the page will open with the following:
- Instructions- Complete ‘selective & sustained attention’ Test and Proceed to ‘Alternate attention’ test.
  - Link to the “selective & sustained attention” with automatic navigation to “Alternate attention” test.
  - In the selective & sustained attention test page, the following: Instructions, Trial test link of Selective Attention, and Main test link of Selective Attention should appear
  - After completion of the test, automatically open the “selective & sustained attention” page with the following: Instructions, Trial test link of selective & sustained attention, and Main test link of selective & sustained attention should appear.

- e. After completion of the test, automatically open the “Alternate attention” page with the following: Instructions, Trial test link of Alternate attention, and Main test link of Alternate attention should appear.
  - f. After completion of the three tests, the cumulative result of the three tests should appear.
8. If any other user wants to take test for ‘Divided attention’ alone, he/she can choose “Divided attention” and the page will open with the following:
  - a. Instructions- Complete ‘Alternate attention’ Test and Proceed to ‘Divided attention’ test.
  - b. Link to the “Alternate attention” with automatic navigation to “Divided attention” test.
  - c. In the Alternate attention test page, the following: Instructions-first complete selective attention, selective & sustained attention proceed with Alternate attention, Trial test link of Selective Attention, and Main test link of Selective Attention should appear
  - d. After completion of the Selective Attention test, automatically open the “selective & sustained attention” page with the following: Instructions, Trial test link of selective & sustained attention, and Main test link of selective & sustained attention should appear.
  - e. After completion of the selective & sustained attention test, automatically open the “Alternate attention” page with the following: Instructions, Trial test link of Alternate attention, and Main test link of Alternate attention should appear.
  - f. After completion of the Alternate attention test, automatically open the “Divided attention” page with the following: Instructions, Trial test link of Divided attention, and Main test link of Divided attention should appear.
  - g. After completion of the four tests, the cumulative result of the four tests should appear.
9. In the Selective Attention test, the following corrections should be incorporated:
  - a. Same letters should not be displayed consecutively.
  - b. After completing first set, a timer of 30 seconds should appear after which the second set should be started automatically.
  - c. Results should be calculated considering:
    - i. Correct response (p appears when p is pressed)
    - ii. Wrong response (when other letters appeared, P is wrongly pressed)
    - iii. No response (when P appears, P is not pressed).
10. In the selective & sustained attention test, the following corrections should be incorporated:
  - a. Test log should not be appeared
  - b. Number should last for 1 minute but currently it is fixed to 50 attempts.
11. In the Alternate attention test, the following corrections should be incorporated:
  - a. Seconds display timer should be included
  - b. Sequence of colour should be changed after each voice over. The time (in seconds) can be increased to more than One second for each colour display.
12. Result of each selected attention should be displayed after the completion of the test