eedback

Validation for:

Project Title: *AI-Driven ADHD prediction and analysis at early age: A novel approach integrating Machine Learning, Explainable AI, LLMs, and Dialogflow with a virtual therapist chatbot (Comfortchat)*

Author Name: Md. Adham Wahid

Organization: North South University

Reviewer Name: Dr. Sumaiya Bente Jalil.

Affiliation: Registrar, National Institute of Mental Health

Area of Expertise: Child, Adolescent & Family Psychiatry

Years of Experience: 7 years.

Date of review: 23.3.2025.

Section 1: Relevance & Innovation:

Please rate the following statements on a scale of 1 (Strongly Disagree) to 5 (Strongly Agree):

Statement	Rating (1-5)
This project addresses a clinically significant issue (early ADHD detection).	4.
The integration of Machine Learning ,Explainable AI, and LLMs is appropriate and effective.	4.
The virtual therapist chatbot (Comfortchat) adds practical value to the system.	3
The model performance and metrics are sufficient for clinical or support use.	4
The deployment of mobile and web applications add convenience to users	3
The overall system demonstrates novelty compared to existing solutions.	4

Open Feedback:

a) What are the major strengths of this project?

① Important for supportive use
② Emphasizes predictibility.
③ User friendly.

b) Do you see potential for real-world application?

Yes, with few modifications it can be used in mass level.

c) What areas require improvement or further exploration?

This AI based tool only can give predictibility for probable ADHD diagnosis rather confirmatory diagnosis. Also, patient's with probability needs correlation with clinicians.

Would you recommend this system for further development or pilot testing?

☑ Yes ☐ No ☑ With Modifications

Signature

ডাঃ সুমাইয়া বিনতে জসিম
এমবিবিএস, বিসিএস, এম.ডি.
শিশু ও কিশোর মনোরোগ বিশেষজ্ঞ
জাতীয় মানসিক স্বাস্থ্য ইনস্টিটিউট ও হসপাতাল

Feedback

Validation for:

Project Title: *AI-Driven ADHD prediction and analysis at early age: A novel approach integrating Machine Learning, Explainable AI, LLMs, and Dialogflow with a virtual therapist chatbot (Comfortchat)*

Author Name: Md. Adham Wahid

Organization: North South University

Reviewer Name: Dr. Md Rezaul Karim

Affiliation: Associate Professor Enam Medical College Savar-Dhaka.

Area of Expertise: child Surgical specialist.

Years of Experience: 35 yrs.

Date of review: 25/03/2025

Section 1: Relevance & Innovation:

Please rate the following statements on a scale of 1 (Strongly Disagree) to 5 (Strongly Agree):

Statement	Rating (1-5)
This project addresses a clinically significant issue (early ADHD detection).	4
The integration of Machine Learning ,Explainable AI, and LLMs is appropriate and effective.	4
The virtual therapist chatbot (Comfortchat) adds practical value to the system.	5
The model performance and metrics are sufficient for clinical or support use.	5
The deployment of mobile and web applications add convenience to users	4
The overall system demonstrates novelty compared to existing solutions.	4

Open Feedback:

a) What are the major strengths of this project?

Predictability and therapy solution at the same time.
Integration of artificial intelligence. App deployment and
organized management.

b) Do you see potential for real-world application?

Yes, it has a great potential with use-friendly
interface.

c) What areas require improvement or further exploration?

Polish the application and further explore
with more data from different regions...

Would you recommend this system for further development or pilot testing?

☐ Yes   ☐ No   ☑ With Modifications

Signature

Pezo 25/03/25
ডাঃ মোঃ সৌরভ রোজ, দন্ত...০৮/
এমবিবিএস, এম এস (শিশু সার্জন)
সহযোগী অধ্যাপক, শিশু সার্জারী বিভাগ
এনাম মেডিকেল কলেজ ও হাসপাতাল