

DBT/ Biotechnology Industry Research Assistance Council

Stamurai: Speech therapy mobile application for stammering

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New Delhi, March 12: Stammering affects over 80 million people in the world out of which 11 million people are in India alone. It is a relatively common speech problem in childhood which can persist into adulthood as well. It varies in severity from person to person. It not only affects a person's speech, but also severely hampers individual's confidence, affecting personally as well as professional lives.

In a global scenario, currently, speech therapy solutions are unaffordable and inaccessible and prone to relapse. Currently less than one percent people can access speech-language pathologist in India. It is highly expensive.

To address this problem, IIT-Delhi alumni have come up with an innovation called "Stamurai" that resolves speech related problems by automating speech therapy. It is a mobile app. It comes with instructional videos to teach speech therapy exercises and tools to further help practice those exercises. The app also acts as a self-help group. With constant practice and application of speech exercises outlined in the app, stammers can hope to achieve near-perfect fluency and get relief from the daily struggles and sufferings. There are detailed tutorials for various speech therapy exercises and each tutorial is followed up with exercises.

<p style="text-align: center;"><u>Features:</u></p> <ul style="list-style-type: none">• Instructional videos- Learn therapy exercises via videos.• Reading Practice- Read aloud, record and playback• Sounds Practice- Focus on sounds• Feared words- Record the sounds/words that you fear using so that they can be analysed• Help- Available at the touch of a button• Statistics- Monitor your daily progress <p style="text-align: center;"><u>How does it work?</u></p> <ul style="list-style-type: none">• Spend 20-40 minutes a day doing various	
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speech therapy exercises available in the app.

- Learn therapy exercises via instructional videos to understand how to counter stammering.
- Understand the correct way of speaking and try implementing it in real life.



Stamurai brings speech therapy available even to the remotest parts of the country. The application is currently available on android and has users across 149 countries. The cost associated with Stamurai is pretty affordable; Rs. 1200/year (in developing countries) and Rs. 7,100/year (in developed countries).

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