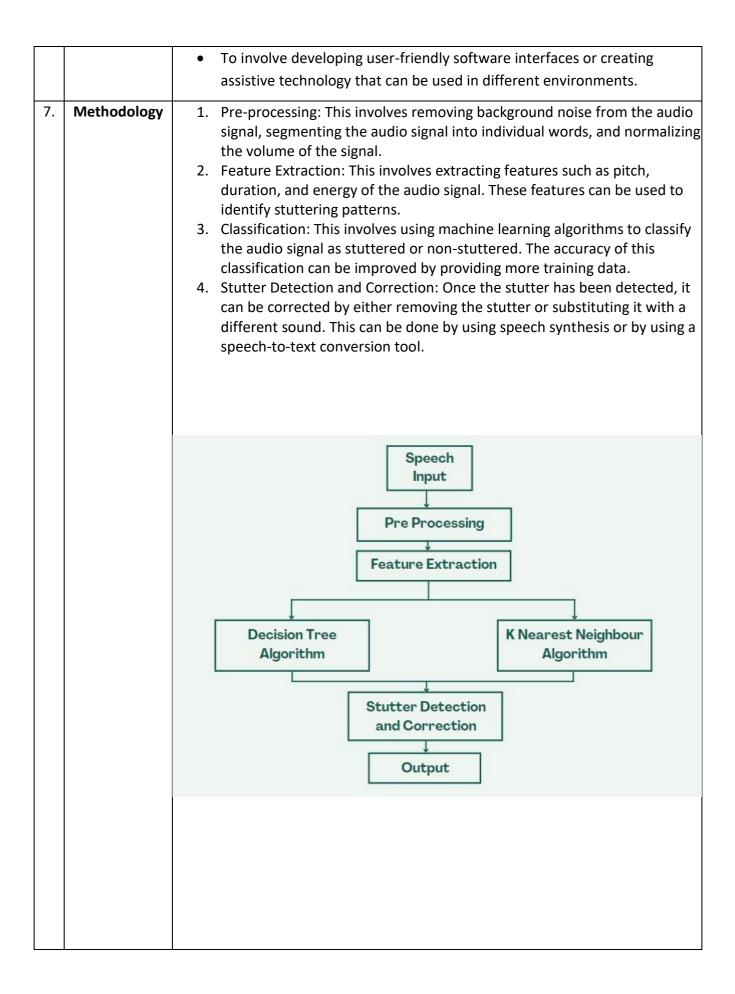
## **SYNOPSIS**

1.	Title of	VOICE STUTTER DETECTION AND CORRECTION	
	the Project	Project Reference No.: 46S_BE_0218	
2.	College and Department	Sahyadri College of Engineering & Management, Mangalore-575007 (Computer Science and Engineering)	
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4.	Keywords	Speech analysis, speech processin	g, real time correction.
5.		There are various possible causes for voice disorders, including functional problems with the vocal cords, neurological conditions, vocal cord injury, and psychological conditions. It can be categorized into speech disorders, language disorders, swallowing disorders, social communication disorders, and cognitive-communication disorders.  Stuttering is one of the very common speech disorders that affects children and some adults. It is a repetitive and involuntary disruption in the flow of speech characterized by prolongation of sounds, syllables, and words. Stuttering is caused by a combination of genetic and environmental factors. It may also be more common in people who are under a lot of stress or who have a history of trauma or abuse.  The Speech Therapy System can be used to detect stuttering in people by analysing their speech patterns. The system can identify stuttering by analysing the repetitions, prolongations, and interruptions in the person's speech. The system will check if the pronounced word has a stuttering problem or not. The stuttered word of one person might be different from the other person.	
6.	Objectives	smoother, more fluent spe abnormalities.  • The technology should be a	voice stutter detection and correction is a ech with fewer stutters and other speech able to identify stuttering and other speech a natural language processing and machine ect them.



8.	Results and Conclusions	Voice stutter detection and correction are important areas of research in the field of speech processing and machine learning. Stuttering is a communication disorder that affects many individuals worldwide, and can significantly impact their quality of life. Therefore, there is a need for accurate and reliable algorithms that can detect and correct stuttered speech in real-time. Several machine learning algorithms can be used for voice stutter detection, these algorithms can predict the correct words and generate the corrected version of the speech output in real-time, making communication easier and more fluent for individuals who stutter.	
9.	Scope for Future Work	<ul> <li>Using software to detect stuttering in real-time and providing feedback or corrections to the speaker. Real-time correction could be particularly helpful for people who stutter in social or professional situations where fluent communication is essential.</li> <li>To analyze individual speech patterns and identify specific types of stuttering, it may be possible to develop more personalized treatment plans that are tailored to everyone's needs.</li> <li>Provide assistive technology which includes software's that helps with speech therapy exercises, or tools that make it easier for people who stutter to communicate in certain situations.</li> </ul>	