

**Project Design Phase-I**  
**Proposed Solution**  
**Template**

Date	14 October 2022
Team ID	PNT2022TMID00924
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"> <li>They are facing difficulties in understanding the language used in the system .</li> <li>everyone is not convenient with this.</li> <li>some people cannot understand english</li> </ul>
2.	Idea / Solution description	<ul style="list-style-type: none"> <li>Objects/obstacle is converted into a voice message using CNN.</li> <li>System uses algorithms to help the blind person understand their social surrounding.</li> <li>AI based speech recognition and gamification, blind student their social surrounding .</li> </ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> <li>object/obstacle positions are conveyed to the blind people using voice message.</li> <li>Blind people use assistive technology to interact.</li> </ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>The blind people can easily identify objects/obstacle by AI voice assistant.</li> <li>system uses AI Algorithm to help blind people understand their social surrounding.</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>* We can generate revenue by selling hardware system in market.</li> <li>* customizable features.</li> <li>* Economical i.e different price with different feature will make poor to rich to access technology.</li> </ul>
6.	Scalability of solution	<ul style="list-style-type: none"> <li>Assistive technology used by blind people.</li> </ul>

		<ul style="list-style-type: none"><li>• Main Assistive technology are screen reader, braille displays and speech recognition software</li></ul>
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