***Project Design Phase-I***

***Proposed Solution Template***

*Date*

*24 September 2022*

*Team ID*

*PNT2022TMID30001*

*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***

***01***

*Problem Statement (Problem to be solved)*

*1. The project aims to develop a system that detects the*

*object in indoor and outdoor mode with high accuracy and processing speed. The*

*input image to the CNN, the object is detected in indoor environment like person,*

*chair, bench and outdoor environments like car, bus, animal, and motorcycle etc.,.*

*2. The detected image information is provided as a voice output using a speech*

*synthesizer to the visually challenged persons to assist them in their mobility*

*02*

*Idea / Solution description*

*The ideas consisted of designing and implement a system using* ***artificial intelligence and machine learning*** *concepts to take input as hand gestures.*

*03*

*Novelty / Uniqueness*

*1. The objective of the proposed work is to develop an application for blind*

*persons based on the machine learning. It will eliminate the need for dedicated*

*devices and other wearable devices to assist them to recognize objects as they*

*move around.*

*2. To give blind users the ability to move around*

*in unfamiliar indoor and outdoor environment, using friendly device by object*

*identification system.*

***04***

*Social Impact / Customer Satisfaction*

*1. About two thirds of People with a mobility and dexterity disability are most likely to* ***experience a great deal of difficulty with everyday activities.***

*2. The main purpose of this application is to make* ***visually-impaired people feel independent and more confident.***

***05***

*Business Model (Revenue Model)*

*1. AI can generate revenue through direct customers and* ***collobrate******with health care sector and generate revenue*** *from their customers.*

*2.* ***To develop solutions to many physical and cognitive challenges disabled individuals face at work and in daily life to promote social inclusion for them.***

***06***

*Scalability of the Solution*

*1. AI technology helping disabled people opens up* ***new opportunities for accessibility inclusion in society and independent living.***

*2. It could unlock more advanced and innovative solutions for addressing the most complex* ***challenges faced by disbled peoples.***