

Project Design Phase-I
Proposed Solution Template

Date	19 October 2022
Team ID	PNT2022TMID592324
Project Name	Project – Detection of Autistic Spectrum Disorder
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)	Make the Detection of Autistic Spectrum Disorder freely accessible to everyone online.
2.	Idea / Solution description	Using the power of machine learning create a model to help predict where someone lands on the ASD Spectrum and make this accessible to everyone through a website after answering a few questions.
3.	Novelty / Uniqueness	Using our website allows doctors(for their patients) and individuals (without supervision from a medical professional) to answer a few questions and get placed on the ASD spectrum(if they have ASD). We could also allow telehealth platforms to access our tech (by integrating it into their platform) to help doctors diagnose patients over the Internet.
4.	Social Impact / Customer Satisfaction	Access to our free website to help democratize access to the detection of ASD for individuals.
5.	Business Model (Revenue Model)	We can get revenue from licencing our tech to telehealth medicine providers who could use this to allow quicker detection of ASD among individuals thus reducing the amount of time spent by doctors going over test results. We could partner up with ASD clinics.
6.	Scalability of the Solution	Our solution can be scaled very easily as it's just a website running on a pre-trained model. The only thing that will go up with increased usage is the computational demand which will be offset by the increased revenue that would come from our partnerships with ASD clinics.