Project Initialization and Planning Phase

Date	15 JULY 2024
Team ID	739811
Project Name	**Detection Of Autistic Spectrum Disorder: Classification**
Maximum Marks	3 Marks

Define Problem Statements (Autistic Spectrum Problem Statement Template):

Here is a problem statement template for Autistic Spectrum Disorder (ASD) detection and classification:

Problem Statement:

Title: Accurate Detection and Classification of Autistic Spectrum Disorder (ASD)

Description:

- Develop a machine learning model that can accurately detect and classify ASD in individuals based on [insert data sources, e.g., clinical features, behavioral observations, neuroimaging results, etc.].

- Improve the accuracy of ASD diagnosis and classification to enable timely and effective interventions.

Goals:

- Achieve [insert target accuracy or performance metric] in detecting ASD.

- Classify ASD into [insert classification categories, e.g., mild, moderate, severe].

Data:

- [Insert data sources, e.g., clinical datasets, neuroimaging datasets, etc.].

- [Insert data preprocessing and feature extraction methods].

Evaluation Metrics:

- [Insert evaluation metrics, e.g., accuracy, precision, recall, F1-score, etc.].

Success Criteria:

- [Insert success criteria, e.g., achieving target accuracy, outperforming baseline models, etc.].

This template provides a starting point for defining the problem and goals of ASD detection and classification. Please modify it according to your specific needs and requirements.