

## Model Development Phase Template

Date	15 March 2024
Team ID	SWTID1720000747
Project Title	Detection Of Autistic Spectrum Disorder: Classification
Maximum Marks	5 Marks

### Feature Selection Report

Feature	Description	Selected (Yes/No)	Reasoning
A1_Score	Response to screening question 1	Yes	Critical for assessing autism-related symptoms.
A2_Score	Response to screening question 2	Yes	Critical for assessing autism-related symptoms
A3_Score	Response to screening question 3	Yes	Critical for assessing autism-related symptoms
A4_Score	Response to screening question 4	Yes	Critical for assessing autism-related symptoms
A5_Score	Response to screening question 5	Yes	Critical for assessing autism-related symptoms

A6_Score	Response to screening question 6	Yes	Critical for assessing autism-related symptoms
A7_Score	Response to screening question 7	Yes	Critical for assessing autism-related symptoms
A8_Score	Response to screening question 8	Yes	Critical for assessing autism-related symptoms
A9_Score	Response to screening question 9	Yes	Critical for assessing autism-related symptoms
A10_Score	Response to screening question 10	Yes	Critical for assessing autism-related symptoms
age	Age of the individual	Yes	Important demographic information.
gender	Gender of the individual	Yes	Important demographic information.
ethnicity	Ethnicity of the individual	No	Not relevant
jundice	History of jaundice	Yes	Relevant medical history.
austim	Family history of autism	Yes	Relevant family medical history.

contry_of_res	Country of residence	No	Not relevant
used_app_before	Prior use of autism screening app	No	Not relevant
result	Outcome of the screening test	Yes	Imporant to predict
age_desc	Age description (e.g., child, adult)	No	Not relevant
relation	Relationship of the respondent to the individual screened	No	Not relevant
Class/ASD	ASD diagnosis outcome	Yes	Target variable for prediction.