ASDGenus Documentation

Table of Contents

1	Tar	get Audienceget Audience	2
2	Sup	pported EEG file type	2
3	Sys	tem Architecture	2
1	C	torn Outrook	2
4	Sys	tem Output	Z
	4.1	Primary System Output	3
	12	Secondary System Outputs	2
	4.4	secondary system outputs	o

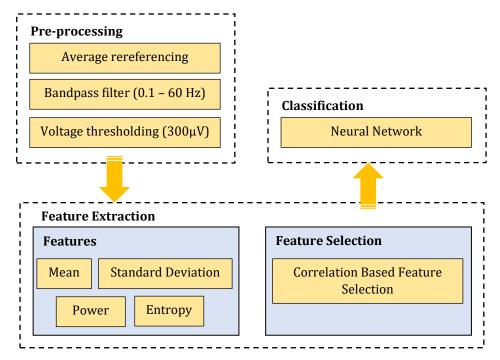
1 Target Audience

- Medical practitioners (doctors, EEG technicians, etc.)
- Researchers involved in Autism Spectrum Disorder (ASD) research

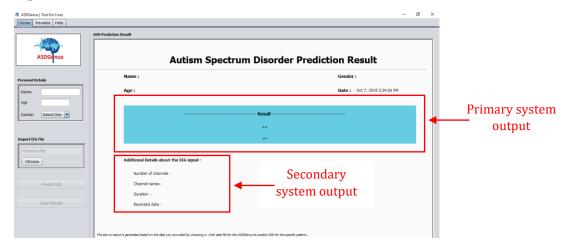
2 Supported EEG file type

In version 1.0, .vhdr extension is supported. Other EEG file extensions will be included in the coming updates.

3 System Architecture



4 System Output



4.1 Primary System Output

	No ASD	Potential Risk		Mild ASD	Severe ASD	
0	•	2	6	1	12	26

System outputs severity of ASD. The results are of four categories: No ASD (severity: 0-2), Potential risk for ASD (severity: 3 - 6), Mild ASD (severity: 7 - 12) and Severe ASD (severity: 13 - 26). The severity score is similar to that of ADOS-2 score.

4.2 Secondary System Outputs

The report generated by the system, in addition to the primary output, includes:

- Number of channels
- Electrode locations
- Duration
- Record Date