













Intelligent Heart Risk Prediction



Sem 12023/2024





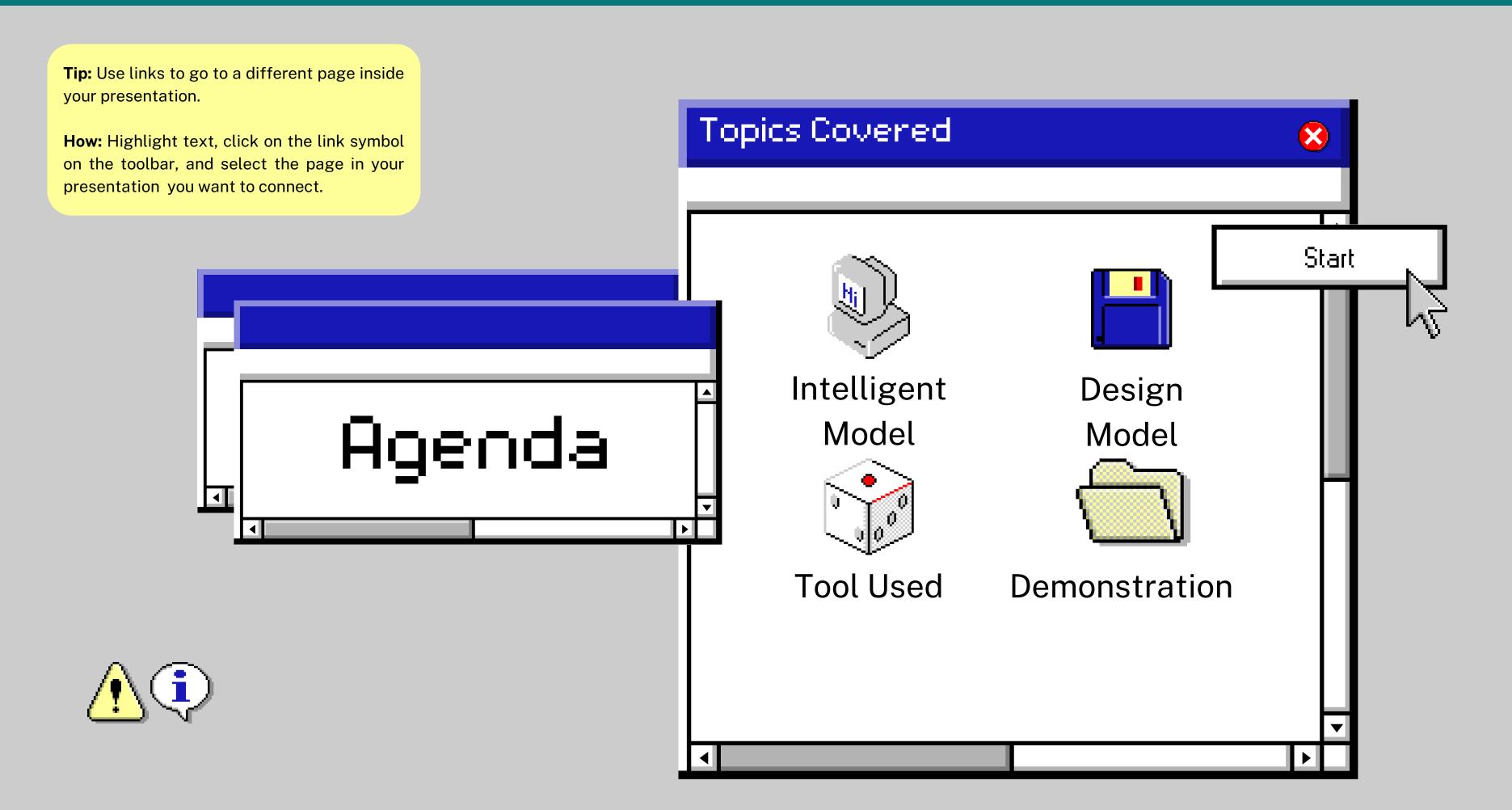




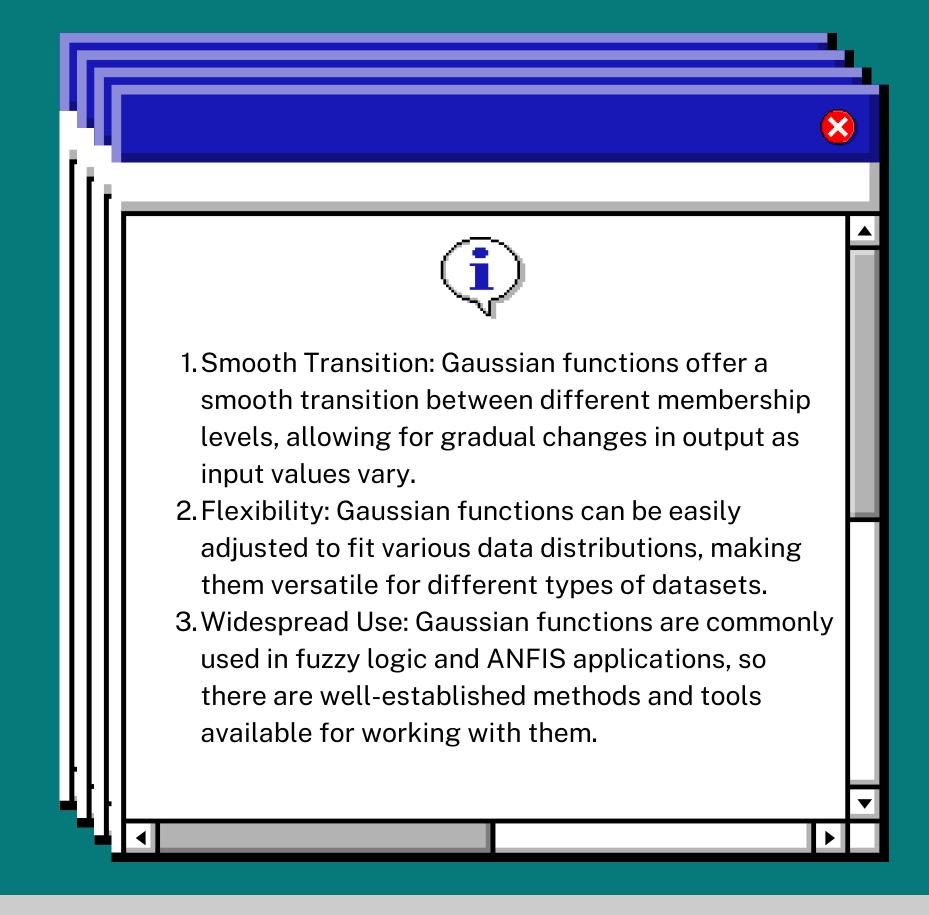








1- Intelligent Model Selection







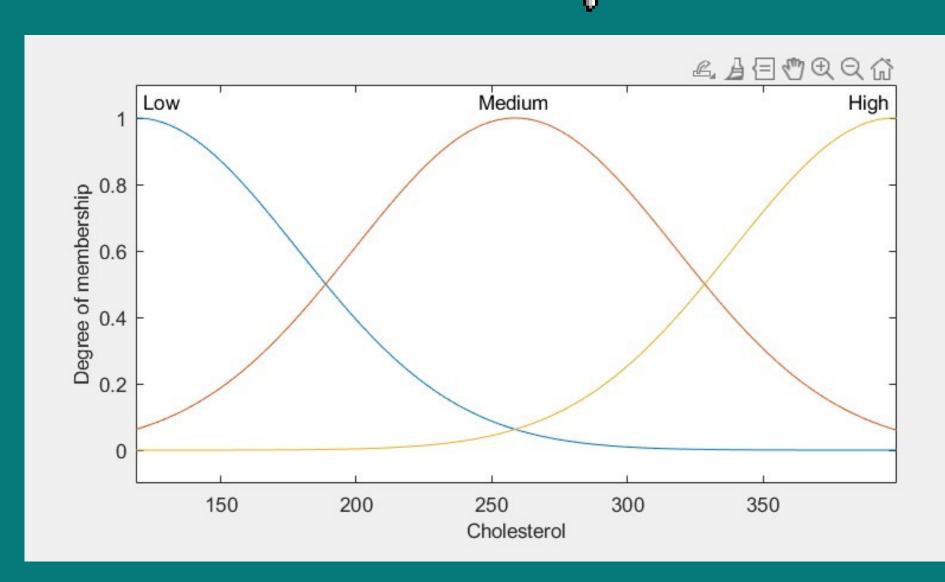


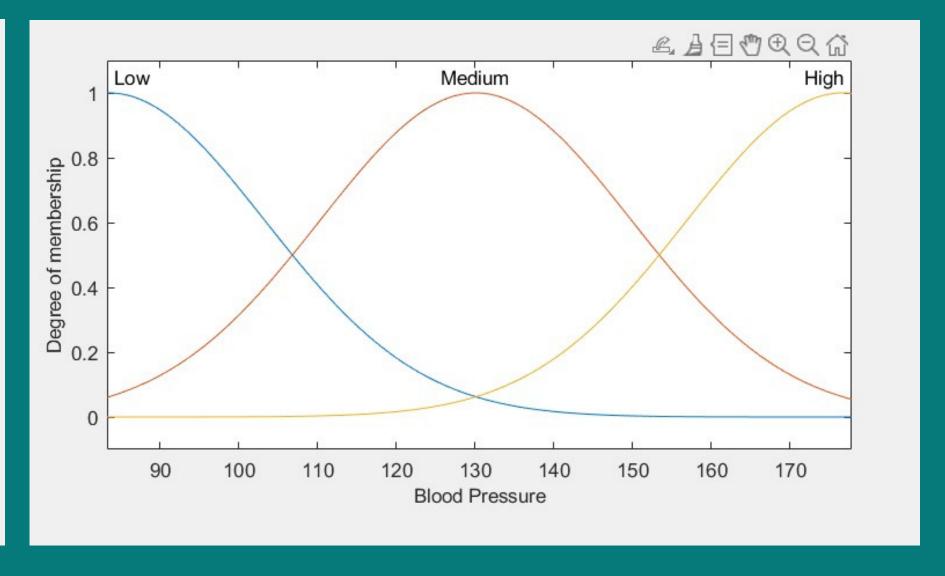






2- Design of Selected Model









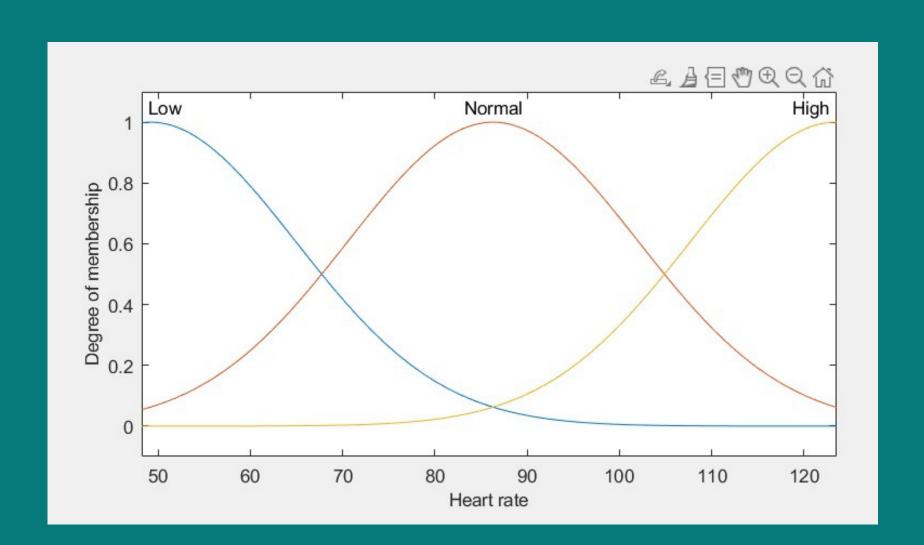


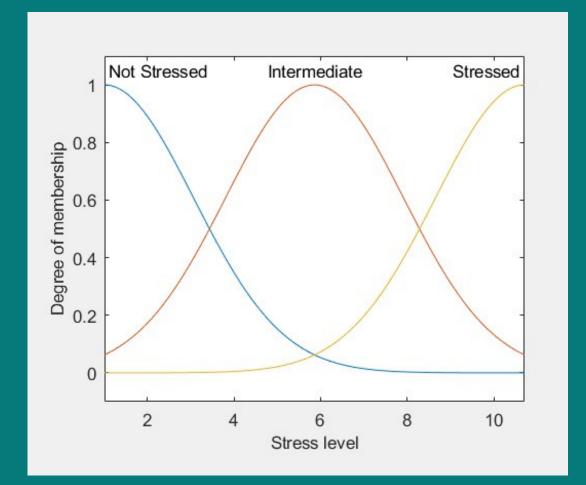


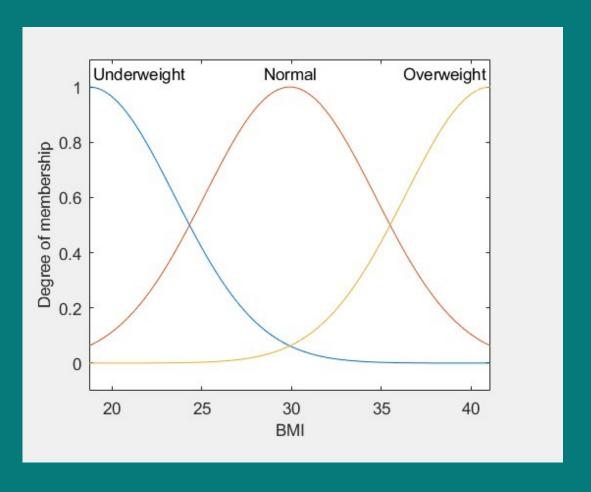




2- Design of Selected Model











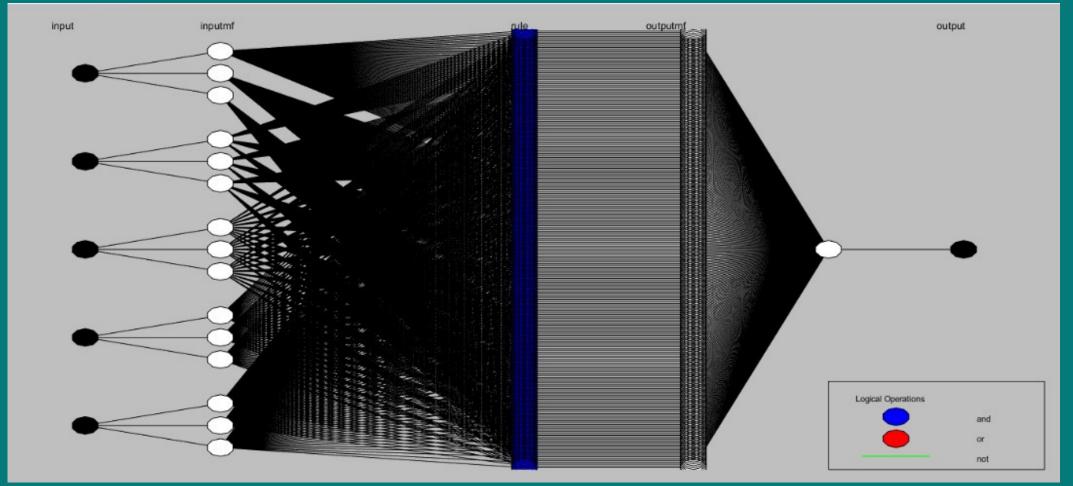


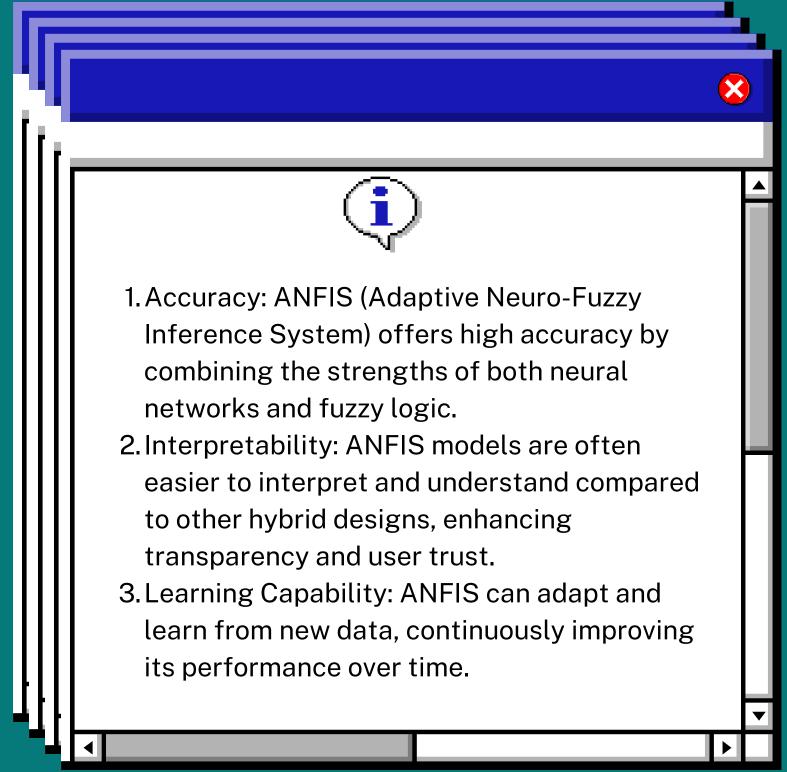






3- Hybrid Design









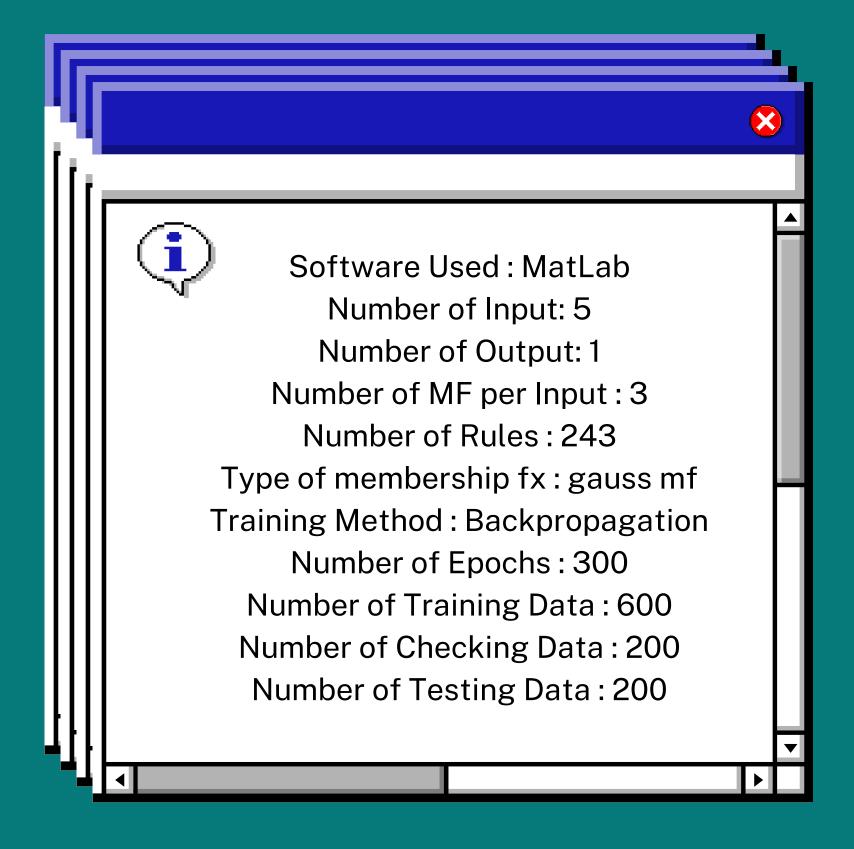








4- TOOLS USED





















5- TEAMWORK

MUHAMMAD SYAMIL TAMLIKHA BIN MD NASIR AFNAN FAISAN BIN AB FATAH ILHAM NUR AMIR BIN MISLAN ABDUL AZIZ BIN ABDULLAH AZAHARI AFIQ AMIRUL HAKIM BIN ABDUL HADI

Defining membership function ranges, selecting appropriate functions, and designing fuzzy part.

Optimize the ANFIS model parameters through training and validation processes.

GUI designer, it involves creating user interfaces that are intuitive, visually appealing, and enhance the overall user experience of the software or application.

Designing soft
computing model
which is an ANFIS
model. Validate the
model prediction by
comparing with actual
heart attack data.

Assisting in ANFIS and Fuzzy-GA design.
Improve training and validation model design.

Exploring alternate method for the project application (Fuzzy-GA), comparing and project documentation.

Back to Agenda Page





6-DEMONSTRATION

1	Patient ID	Age	Sex (Num)	Cholesterol	Blood Pressure	Heart Rate	Family History	Stress Level	ВМІ	Heart Attack Risk
2	BMW7812	67	0	208	158	72	0	9	31.2512	0
3	CZE1114	21	0	389	165	98	1	1	27.1950	0
4	BN19906	21	1	324	174	72	0	9	28.1766	0
998	JYJ2869	88	0	137	94	110	1	7	20.1817	1
999	CPU6882	41	0	284	103	69	1	2	19.3172	1
1000	PCS6711	43	0	164	172	81	1	3	19.0683	1

