



INNOVATIVE TEACHING LEARNING REPORT

Course Name: Soft Computing (ITE72A)

Class: B.E. I.T.

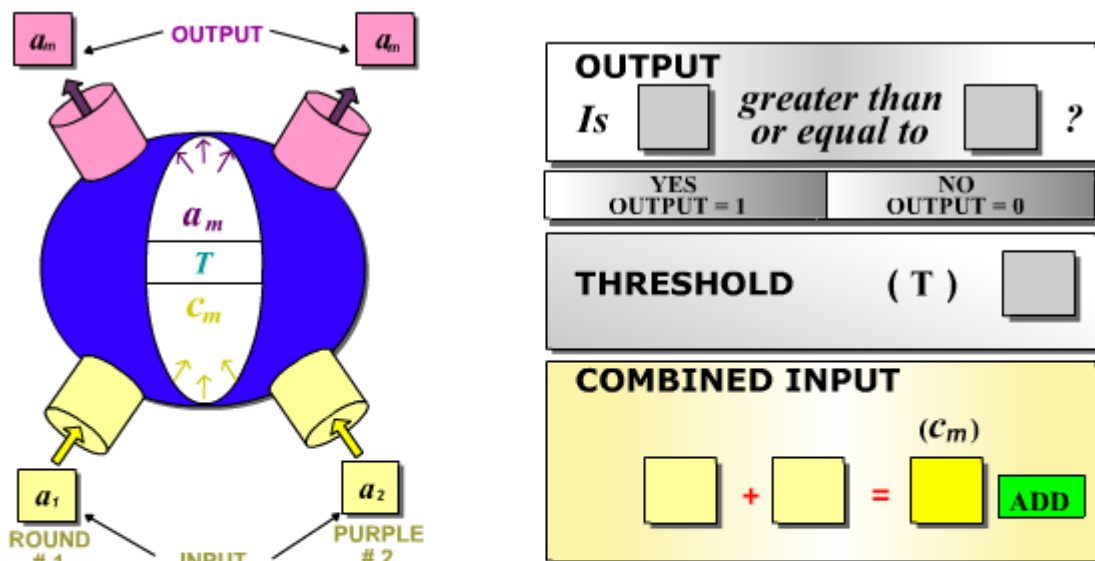
Sem: VII

1. Demo of working of Mc-Culloch Pitts Model in practice

Topic: Mc-Culloch Pitts Model

Method: Demo of the model for better understanding

Link: http://www.mind.ilstu.edu/curriculum/mcp_neurons/mcp_neuron_1.php



EXERCISE #1: Set the threshold so that the bird eats any object that is round or purple or both.

1. Put in any value (0 or 1) for inputs #1 and #2, the choice is yours.
2. Add them for the combined input and click "add".

2. Informative Video on Applications of Soft Computing

Topic: Applications of soft computing

Method: Informative videos to generate interest

Lecture

Link: https://drive.google.com/file/d/1FhWcf1hAymLGp2Uwg0f-bqVRQ2WHf7qv/view?usp=drive_web&authuser=0

Proof:

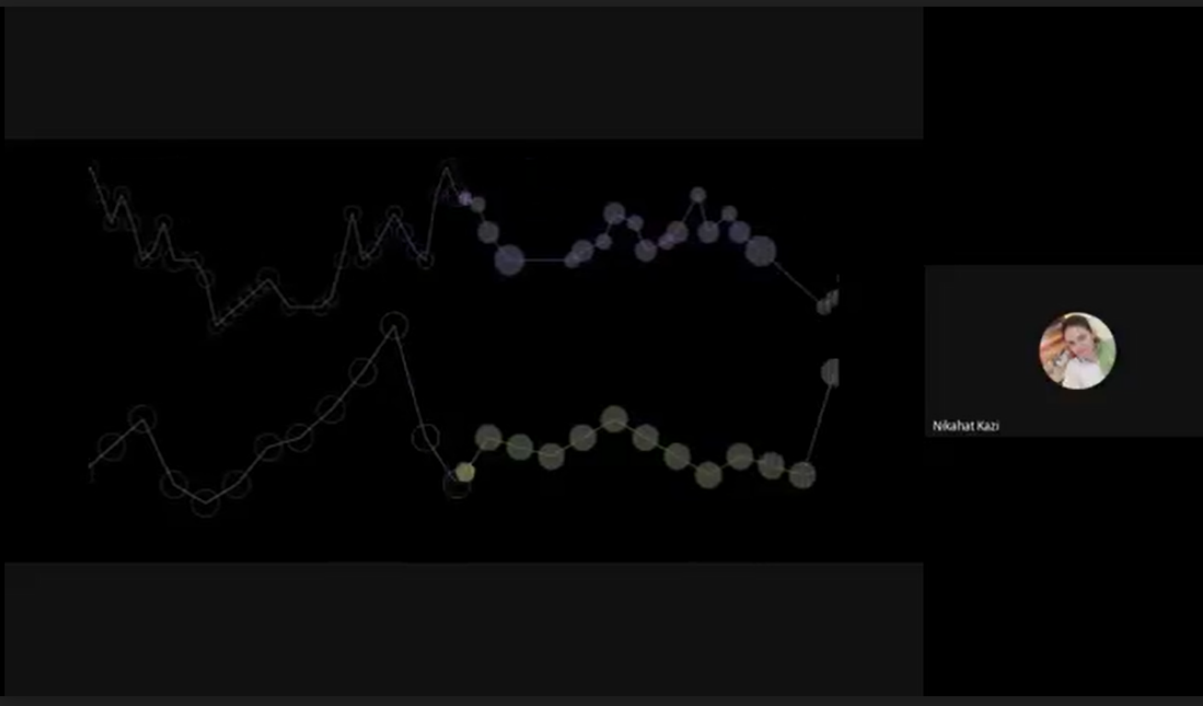


3. Mini Projects

Topic: Fuzzy Systems

Method: Students encouraged to work in groups on mini projects to realise a fuzzy inference system and give live demonstrations as part of the evaluation

Proof Attached: List of Mini Project Topics with groups attached





(Autonomous Institute Affiliated to University of Mumbai)

[Knowledge is Nectar]

Information Technology Department

Academic Year: 2020-21

ISE 2: Mini-Project on Fuzzy Systems

Class : B.Tech. (IT)

Subject : SC

Name of Subject Incharge : Prof. Nikahat Mulla

Group No	UID No.	Name of the Student	Mini-Project Title	Status: Approved/ Not Approved
1	2017140050	Niti Shah	Flight extraction and phase identification using fuzzy logic	Approved
	2017140046	Janice Shah		
	2017140026	Divya Mogaveera		
	2018240065	Ansari Sana Fatima		
2	2017140002	Vrinda Bhatu	Plant Watering System using fuzzy logic	Approved
	2017140019	Aayush Kamath		
	2017140029	Gokul Nambiar		
	2017140057	Manas Sinkar		
3	2017140005	Vidhi Chhatbar	Drinking Water Quality Testing using Fuzzy logic	Approved
	2017140016	Mihir Gondhalekar		
	2018240071	Shruti Pimple		
4	2017140010	Yashvi Desai	Covid-19 Prediction via symptoms using fuzzy logic	Approved
	2017140032	Sai Nimkar		
	2017140049	Naisha Shah		
	2018240074	Vrushali Shah		
5	2017140006	Harishankar C.V	Irrigation Using Fuzzy Logic	Approved
	2017140011	Parth Dosani		
	2017140037	Tirth Parekh		
	2017140044	Bhavikkumar Sanghvi		
6	2017120019	Vinayak Iyer	Bankruptcy Prediction System using Fuzzy Logic	Approved
	2017140041	Saurabh Rane		
	2017140048	Kshitij Shah		
7	2017140009	Ayushi Desai	Credit decision system with Fuzzy logic	Approved
	2017140013	Jaynil Gaglani		
	2017140014	Yash Gandhi		
8	2017140015	Shubham Gogate	Calculating tip % for restaurant using fuzzy logic	Approved
	2017140023	Minakshi Kudalkar		
	2018240069	Dikshita Patel		
	2017140017	Shashank Gupta		
9	2017140034	Mridul Pandey	Fantasy Football Player selection using Fuzzy System	Approved
	2017140038	Sharvesh Patki		
	2017140045	Viddhesh Sankhe		
	2017140051	Harsh Shelar		
10	2017140001	Riya Bhagat	PREDICTING THE QUALITY OF ICE CREAM	Approved
	2017140060	Parth Thosani		
	2017140062	Sunit Vaidya		
	2018240073	Nisarg Shah		
11	2017140030	Bhumika Narwani	Flood prediction using Fuzzy Systems	Approved
	2017140042	Kareena Redij		
	2017140063	Kumail Virani		
	2017140025	Vedant Mathur		
12	2017140003	Aniket Brahmecha	Smart Pressure Cooker using Fuzzy Logic System	Approved
	2017140007	Rahul Dalvi		
	2017140043	Manasvi Sagathiya		
13	2017140022	Parth Kitawat	Fuzzy rule based unsupervised sentiment analysis from social media posts	Approved
	2017140031	Jatin Nawani		
	2017140021	Shubham Kejriwal		
	2017140054	Aakash Singh		
14	2017140055	Harshit Singhania	Self Driving Car (Simulation) using Fuzzy System	Approved
	2017140052	Sahil Sheth		

14	2017140028	Yash Muchhala	Self Driving Car (Simulation) using Fuzzy System	Approved
15	2017140035	Tejas Paranjape	Movie recommendation system using Fuzzy logic	Approved
	2017140036	Vineet Pardhi		
	2017140047	Kewal Shah		
	2017140061	Jaydeep Vaghasiya		
16	2017140020	Atul Kamble	Traffic Control System using Fuzzy Logic	Approved
	2017140024	Dhawal Mali		
	2017140027	Mohammad Izhan		
17	2017140058	Rahul Solanki	Vehicle speed control system using fuzzy logic	Approved
	2017140064	Sagar Waghela		
	2017140033	Shubhankar Nistane		
	2017140018	Mohd Jawwad		
18	2018240066	Yogesh Kamat	Email classification System using Fuzzy logic	Approved
	2018240070	Shubham Phansekar		
	2018240076	Hemant Upadhyay		
	2012140014	Mrigaj Goradia		
19	2016140003	Meet Bawankar	Application of fuzzy logic for evaluation of academic performance of students on computer application	Approved
	2018240075	Atique Siddiqui		
	2016340068	Jayesh Tiwari		
		Abhishek Mane		
20	2018240072	Hemant Rathod	Medical diagnosis using fuzzy logic	Approved
21	201714040	vaibhav pudke	CLOTHES-SUGGEST-ON-SYSTEM	Approved
	2017140039	Rajat pattu		