Manarat International University (MIU)
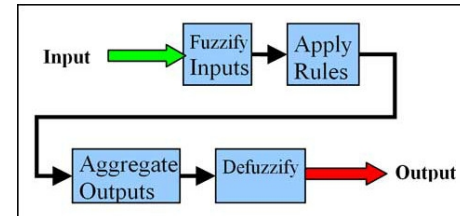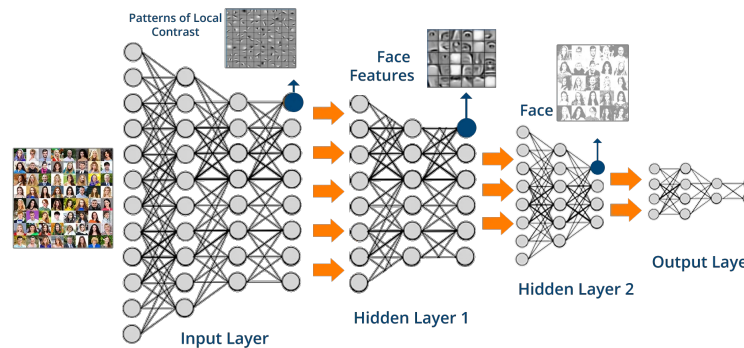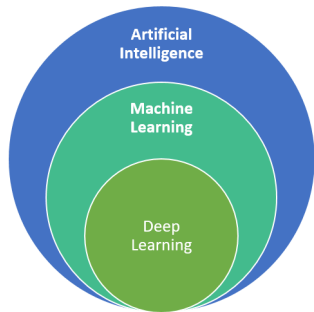Department of Computer Science and Engineering
Neural Networks and Fuzzy Systems (CSE-433)
Course outline (Fall-2019)
Instructor: Md Mahedi Hasan

Course Diagram

Course Objective
a) To understand the basic algorithms and functioning of artificial neural networks
b) To be able to build, train and apply fully connected deep neural networks

Syllabus

S.L	Topic	Resources
1	Introduction to deep learning	Repository
2	Review of Basic Concepts in Linear Algebra	CS230
3	Review of Basic Concepts in Matrix Calculus	
4	Feed Forward Neural Network	Book
5	Backpropagation Algorithms	Book
6	Optimization for Training Deep Models	
7	Recurrent & Recursive Nets	
8	Deep Generative Models	

Marks Distribution

S.L.	Exam	Mark	Syllabus
1	Midterm	30	1 – 4
2	Final	50	5 - 8
3	Project	-	Cifar-10
4	Class test	-	C-1 (Final Syllabus)
5	Teacher's Review	20	Project + Class Test + Class Attendance
Total		**100**	

For any academic questions ask here
Give your anonymous feedback **here**