

Manarat International University (MIU)

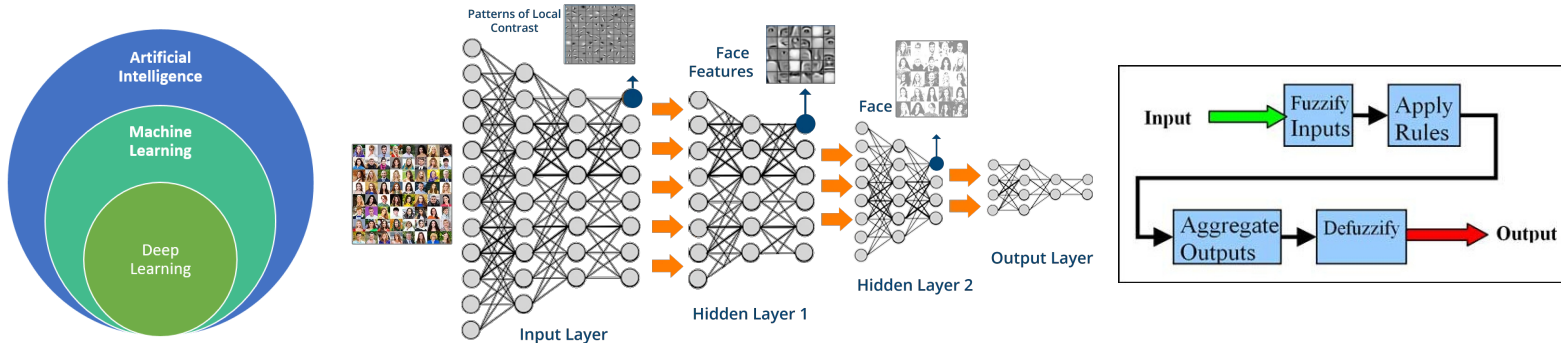
Department of Computer Science and Engineering

Neural Networks and Fuzzy Systems (CSE-433)

Course outline (Fall-2019)

Instructor: Md Mahedi Hasan

Course Diagram



Course Objective

- To understand the basic algorithms and functioning of artificial neural networks
- To be able to build, train and apply fully connected deep neural networks

Syllabus

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

Marks Distribution

S.L.	Exam	Mark	Syllabus
1	Midterm	20	1 – 4
2	Final	50	5 - 8
3	Project	-	Cifar-10
4	Class test	-	C-1 (Final Syllabus)
5	Teacher's Review	15	Project + Class Test + Class Attendance
Total		100	

For any academic questions ask [here](#)

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