

KEY FEATURES

- 24x7 Support on exercises.
- **Free Demo Classes**
- Case studies
- 4.7/5 rating
- Industry standard tools
- Two decade of experience
- World class course structure
- Expert mentorship on AI career
- 100% Placement Support
- Lifelong membership

COURSES OFFERED

DATA ENGINEERING

- Data Analytics
- Machine Learning
- Business Analytics
- Python

SYSTEM ENGINEERING

- IoT
- Hardware Design
- Embedded System
- VLSI Design

PRODUCT ENGINEERING

- Product Design
- Product Management
- Digital Marketing
- Start your Startup

SOFTWARE ENGINEERING

- AI
- Cloud
- Full Stack
- Develops

Location:

Center for Innovation
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DESIGN NATION
IMPARTING EXCELLENCE

SOFTWARE ENGINEERING
**ARTIFICIAL
INTELLIGENCE**

ABOUT THE COURSE

Artificial intelligence (AI) deals with creation of intelligent machines that work and respond like humans. Few AI based activities include Speech Recognition. Learning. Planning. Popular AI products include Virtual assistants like Alexa, Siri, Autonomous cars and Chatbots.

AI Systems, program is specifically designed with an objective to provide a sound platform and prepare attendees for a successful career in the field of Artificial Intelligence. The course content, the advanced lab, 1:5 classroom strength allows special focus on individual performance.

SCHOLARSHIP

1. Scholarship will be provided based on online test and technical interview performance.

2. Candidates with score 80% in Engineering and 90% above in online test will be selected.

3. Candidates with good GATE score can avail additional scholarship.T&C Apply.

COURSE CURRILCULUM

1. Artificial Intelligence

Artificial Neural Networks

- Neural Networks & terminologies
- Non linearity problem, illustration
- Perceptron learning
- Feed Forward Network and Back propagation
- Gradient Descent

Mathematics of Artificial Neural Networks

- Gradients
- Partial derivatives
- Linear algebra
- Li
- LD
- Eigen vectors
- Projections
- Vector quantization

Overview of tools used in Neural Networks

- Tensor Flow
- Keras

2. Deep Learning

Deep Learning

- Tensorflow & keras installation
- More elaborate discussion on cost function
- Measuring accuracy of hypothesis function
- Role of gradient function in minimizing cost function
- Explicit discussion of Bayes models
- Hidden Markov Models (HMM)
- Optimization basics
- Sales Prediction of a Gaming company using Neural Networks
- Build an Image similarity engine.

Deep Learning with Convolutional Neural Nets

- Architecture of CNN
- Types of layers in CNN
- Different Filters and Kernels
- Building an Image classifier with and without CNN

Recurrent neural nets

- Fundamental notions & ideas
- Recurrent neurons
- Handling variable length sequences
- Training a sequence classifier
- Training to predict Time series