

**ZENUS INFOTECH INDIA PVT. LTD.**  
**CURRICULUM OF ARTIFICIAL INTELLIGENCE**

Course Duration: 4/6 Weeks\*

|  |                                    |
|--|------------------------------------|
| Artificial Intelligence (AI):                          | Keras                              |
| Why do we need to study AI?                            | • Define Keras                     |
| Applications of AI                                     | • Sequential Composition           |
| Branches of AI   | • Functional Composition           |
| Defining intelligence using Turing Test                | • Predefined Neural Network Layers |
| Making machines think like humans                      | • What is Batch Normalization      |
| Building rational agents                               | • Customizing the Training Process |
| General Problem Solver                                 | • Using TensorBoard with Keras     |
| Building an intelligent agent                          | TFLearn                            |
| Understanding deep learning                            | • Define TFLearn                   |
| Understanding neural networks with TensorFlow          | • Composing Models in TFLearn      |
| deep dive understanding neural network with tensorflow | • Sequential Composition           |
| master deep networks                                   | • Functional Composition           |
| Convolutional neural network                           | Hands-On Practice                  |
| recurrent neural networks                              | Projects:                          |
| rbm and autoencoder                                    | 1. Chatbot Applications            |

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