

Artificial Intelligence Curriculum

- ✚ DAY – 1 Overview of this course | Introduction to AI | How to create basic AI application (Chat bot using DialogFlow)
- ✚ DAY – 2 How to install Python & Libraries | Basics of python Programming for AI.

COMPUTER VISION

- ✚ DAY – 3 Introduction to Computer Vision| How to install computer vision libraries
- ✚ DAY – 4 Moving Object Detection and tracking using OpenCV
- ✚ DAY – 5 Face Detection and Tracking using OpenCV
- ✚ DAY – 6 Object Tracking based on color using OpenCV
- ✚ DAY – 7 Face Recognition using OpenCV
- ✚ DAY – 8 Face Emotion recognition using 68-Landmark Predictor OpenCV

DEEP LEARNING

- ✚ DAY – 9 Introduction to Deep learning | How to install DL libraries
- ✚ DAY – 10 Designing your First Neural Network
- ✚ DAY – 11 Object recognition from Pre-trained model
- ✚ DAY – 12 Image classification using Convolutional Neural Network
- ✚ DAY – 13 Hand gesture recognition using Deep Learning
- ✚ DAY – 14 Leaf disease detection using Deep Learning
- ✚ DAY – 15 Character recognition using Convolutional Neural Network

- ✚ DAY – 16 Label reading using Optical Character recognition
- ✚ DAY – 17 Smart Attendance system using Deep Learning
- ✚ DAY – 18 Vehicle detection using Deep Learning
- ✚ DAY – 19 License plate recognition using Deep Learning
- ✚ DAY – 20 Drowsiness detection using Deep Learning
- ✚ DAY – 21 Road sign recognition using Deep Learning

MACHINE LEARNING

- ✚ DAY – 22 Introduction to Machine learning| How to install ML libraries
- ✚ DAY – 23 Evaluating and Deploying the various ML model
- ✚ DAY – 24 Fake news detection using ML
- ✚ DAY – 25 AI snake game design using ML

NATURAL LANGUAGE PROCESSING

- ✚ DAY – 26 Introduction to NLP & it's Terminology | How to install NLP Libraries
NLTK
- ✚ DAY – 27 Title Formation from the paragraph design using NLP
- ✚ DAY – 28 Speech emotion analysis using NLP

DEPLOYING AI IN HARDWARE

- ✚ DAY – 29 Cloud-based AI, Object recognition using Amazon Web Service
(AWS) & Imagga
- ✚ DAY – 30 Deploying AI application in Raspberry Pi with Neural Compute stick
& Nvidia Jetson Nano