

Department of Computer Science & Engineering  
*in association with*  
Bennett University, Noida  
*offers*

# SUMMER INTERNSHIP

**APPLIED AI, ML, & DL**  
**June 3rd - 22nd, 2019**

Registration  
Fees  
**Rs. 2500**

\*Excluding charges for FOOD & STAY

**For more details visit:**

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## SUMMER INTERNSHIP CONTENTS

Department of Computer Science & Engineering

### WEEK 1

- Artificial Neural Network (ANN)
- Gradient Descent Algorithm
- Logistic Regression
- Decision Tree &
- Random Forest Classifiers
- Support Vector Machine & Kernel Methods
- Convolutional Neural Network
- Convolutional Features for
- Visual Recognition
- Optimization &
- Hyper Parameter Tuning in CNN
- Transfer Learning
- CNN architectures (AlexNet, VGG, and Inception)
- Deep Belief Network (DBF)
- Auto Encoders

### WEEK 2

- Restricted Boltzmann Machine
- Reinforcement Learning:
- Recurrent Neural Network (RNN)
- Vanishing & Exploding Gradient Problem
- Long Short Term Memory (LSTM)
- Time Series Analysis with LSTM
- Graph Analytics using
- NLP: Word2Vec, Doc2Vec and Neural
- Word Embeddings
- Topic Modeling & Text Summarization with RNN
- Sequence Classification with LSTM
- Speech Signal processing with Deep Learning
- Assessment Test & Feed Back

### WEEK 3

#### Mini-Project Implementation

Domain: Healthcare | Agriculture | Cyber Security | Video Analytics | E-Commerce | Insurance | Social Media Analytics

**Registration Fees : Rs. 2500**

**Date(s) : 03 June - 22 June, 2019.**

**Eligibility : Students pursuing / completed B.Tech./ B.E./ MCA.**

**\* People working in IT industry are also eligible.**

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