NARAYANA ENGINEERING COLLEGE::NELLORE

Permanently affiliated to JNTUA Ananthapuramu. Approved by AICTE
Accorded 'A' grade by Govt of AP. Recognized by UGC 2(f) & 12(B)

ISO 9001:2015 certified Institution, Approved with 'A+' Grade by NAAC

REPORT ON DEPARTMENT EVENT/ACTIVITY

Academic Year: 2019-20   **Semester**: I

#		
1	**Name of the Activity/Event**	Deep learning using Python
2	**Date of Activity/Event**	04-11-19 TO 08-11-19
3	**Organized by/Name of the committee**	Computer Science and Engineering Department
4	**Place of Activity /Event**	Computer Lab 1 of A Block
5	**Resource person/guest/organization**	Dr.B.Sunil Kumar,Professor,Dept of CSE,NECN
6	**Type of Activity/Event**	Value added course
7	**Activity/Event Overview**	Students have gained fundamental knowledge on basic Python topics to meet the requirements of software industry.

8	**Participation & Involved By**	Involved	Students	faculty	Total Participation
		IV CSE	50	NIL	50

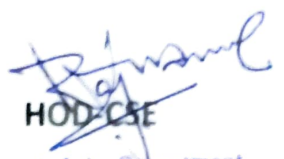| 9	**Content Discussed**	1 Basics of Python Programming for deep learning which is useful in Artificial Intelligence domain. 2 How to create Environmental set up for Python Machine Learning 3 Algorithms on supervised Learning and Unsupervised Learning 4 Convolutional and Recurrent Neural Networks 5 Deep Neural Networks
10	**Suggested improvements**	1. Basic python Programming skills are mandatory. 2.Students should be good enough at statistics Mathematics.
11	**Enclosures**	1. List of students. 2. Attendance forms. 3. Course Schedules. 4. Feedback forms.

PHOTOS

Resource Person introducing the concept

Clarifying doubts in the session

HOD-CSE

Head of the Department
Computer Science & Engineering Department
Narayana Engineering College, Nellore.

Department of Computer Science and Engineering has organized a four-day value added course on **Deep Learning using Python** from 04-11-2019 to 08-11-19. About 50 students from final year have actively participated and gained useful information from the course. Dr.B.Sunil Kumar, Professor, Narayana Engineering College acted as resource person. The aim of this course is to provide learning path to all those who are new to deep learning and also to learn the basics of Python.

On 04-11-2019, in the Morning session, Resource person Dr.B.Sunil Kumar started his discussion with introduction part of Python Programming and the main features of the same. On the same day, afternoon session, he has shared the basic concepts of Python with the participants and also discussed the machine learning, which is an application of artificial Intelligence(AI). Dr.B.Sunil Kumar also stated that Python is considered to be in the first place in the list of all AI development languages due to the simplicity and he also decribed and demonstrated environment set up of python.

On 05-11-2019, Dr. B. Sunil Kumar started the lecture with the difference between Linear Regression and Logistic Regression in Python followed by hands on session on the same. Real time examples were given for practice session.

On 06-11-2019, Dr.B.Sunil Kumar briefed on many aspects like Python is a backend programming language which is easy for beginners. He also mentioned that Python is approachable, Even if the programmer hasn't taken a CS(Cascading Style sheets) class, he can still write a useful tool in Python. He also described

about Convolutional Neural Network which is a Deep Learning algorithm that can take in an input image, assign importance (learnable weights and biases) to various aspects/objects in the image and be able to differentiate one from the other.

On last day of the course, Dr.B.Sunil Kumar has explained the participants to apply python programming in Machine Learning and also about applications of deep learning that are applicable in real time. All together it is a wonderful journey of three days which enlightened all the participants with full of knowledge on software testing methodologies. Live practice sessions made this value added course a grand successful.

COORDINATOR

HOD,CSE

Head of the Department
Computer Science & Engineering Department
Narayana Engineering College, Nellore.