NARAYANA ENGINEERING COLLEGE::NELLORE
AUTONOMOUS

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

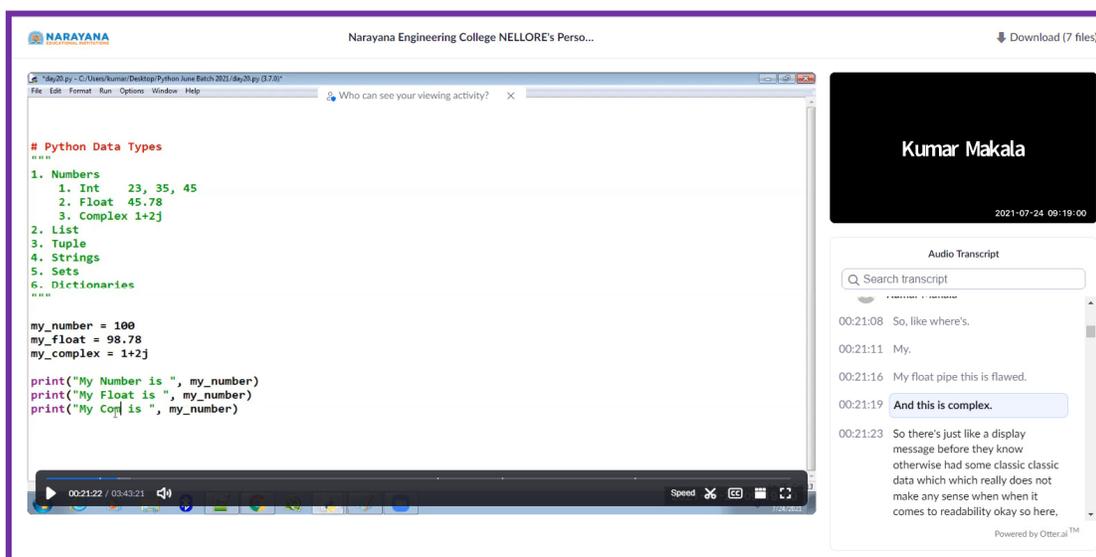## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

1	Name of the Activity/Event	Guest Lecture on " **Python Programming** "
2	Date of Activity/Event	**16/06/2021 to 29/06/2021**
3	Organized by	**Department of Electronics And Communication Engineering**
4	Place of Activity/event	Online
5	Resource persons / guest / organization	M.Kumar, Sofware Engineer, KXN IT Solutions, Hyderabad
6	Type of activity/Event	Guest Lecture
7	Activity/Event objectives	• This course aims at providing an opportunity for students to enrich their knowledge and skill in developing various solutions for solving engineering problems in the society. • This Python Programming leads students from the basics of writing and running Python scripts to more advanced features such as file operations, regular expressions, working with binary data, and using the extensive functionality of Python modules. Extra emphasis is placed on features unique to Python, such as tuples, array slices, and output formatting.

8	Participation	Students	Faculty	Total Participation
		138	-	138

9	General remarks	1. Introduction to Python programming 2. Iterations, Dictionaries, Tuples etc...
10	Suggested Improvements	Need Hands-on session and more real time examples.
11	Enclosures	1. Program report with Snapshots 2. Attendance sheet
12	Signature of Co-ordinator	

The **Electronics and Communication Engineering** department has organized a **Guest Lecture** on **"Python Programming"** from **16/06/2021 to 29/06/2021**, The Resource person is Mr**. M. Kumar, Sofware Engineer, KXN IT Solutions, Hyderabad.** The II B.Tech students from the ECE department had attended this Lecture. Total of **138** students attended to this session.

In this session resource person covered the syllabus which was related to their curriculum. To begin with, the various Programming languages and their advantages were discussed Mr**. M. Kumar** emphasized that, in addition to learning the academic curriculum, students should attempt to learn the latest programing languages which are trending in the IT industry.

Subsequently, Mr**. M. Kumar** shared information on the Python Programming Language and its scope. He described the difference between Python and other Programming Languages. He also explained the students on how to get started with Python and define functions, library files available etc.

Later on he discussed some basics which were related to PYTHON programming with respect to syllabus and real time applications.

Explaining about Data Types in Python

Python is a high-level, general-purpose and a very popular programming language. Python programming language (latest Python 3) is being used in web development, Machine Learning applications, along with all cutting edge technology in Software Industry. Python Programming Language is very well suited for Beginners, also for experienced programmers with other programming languages like C++ and Java.

Explaining about Classes

Resource Person later on discussed about string creation, string slicing formation of string, searching and programs on strings.

On next day he discussed about how to create dictionaries, adding elements to dictionary, accessing elements from dictionary

Explaining the Sample Program

Explaining about Keyword based Arguments

Confidentiality he discussed with real time examples and the session was made really interactive by providing an opportunity to suggest a solution to real life scenario with the help of images and videos which were given by the resource person. The session was extremely interesting for the students and they got an opportunity to hear and learn.

HOD - ECE