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Affiliated to Visvesvaraya Technological University
www.sairamce.edu.in

DEPARMENT OF COMPUTER SCIENCE AND ENGINEERING

Date:8/12/2020

Submitted to Principal,

Sub: Requesting to conduct Higher education webinar -Reg

Respected sir,

With respected to above subject, Higher education Cell going to schedule Webinar Carrear opportunities in Deepening in Natural language processing with sklearn and tensorflow on dated 28th and 29th December 2020 @ 10pm to 12pm (2Hr per day). This program will be conducted for CSE 5th & 7th sem students.

We would like to Host Webinar on "Career Guidance on Higher Education on Natural language processing with sklearn and tensorflow" by PALE Technologies. Bangalore. This webinar would be conducted exclusively for Sri Sairam College of Engineering students. The webinar will give a platform for the students to get all updates amid Covid 19 and answers all kinds of confusions and doubts regarding career opportunities in abroad.

With this I am requesting principal sir to permit me to conduct the program on 28th & 29th Dec 2020 Monday & Tuesday 10:00am to 12:00pm (for 2:00 Hr/day).

Please do the needful sir.

Thanking you

Yours-faithfully

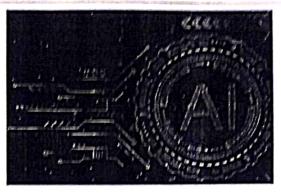
Raghavendrarao B

HEC- Coordinator.

Forwarded to the brings

J.





NATURAL LANGUAGE PROCESSING WITH SKLEARN AND TENSORFLOW

Overview & Purpose

The purpose of this training is to build Natural Language Processing projects with

Machine learning Library Sklearn and Deep learning Library Tensorflow

Pre Requisites

- 1. Should have python knowledge
- 2. Should be good in using data structures of Python like Lists, tuples, Dictionaries etc.

15/6, 2nd Floor, Manish Complex (Above SBI Bank), Mangammanapalya Main Road Bommanahalli, Bengaluru - 560 068

Ph: 080-41645630, email: Info@techpalle.com | website: www.techpalle.com



Objectives

- 1. Understanding How Machine Learning Works
- 2. Understanding Deep Neural Network Works
- 3. Understanding NLP, NLTK, Sklean, Tensorflow, and Keras
- 4. Building AI project with NLP, NLTK, Sklearn, Tensorflow, Keras

Software Requirements

- 1. Python 3.8
- 2. Jupyter notebook

Day wise Content

Day 1: Introduction To Natural Language Processing

- 1. Introduction to NLP
- 2. Data clearing using NLTK Functions
- 3. Feature Extraction using Count Vectorizer, TFIdf algorithms
- 4. Project-1: Spam Classification
- 5. understanding project flow
- 6. splitting the data using sklearn functions
- 7. Applying machine learning algorithms from Sklearn
- 8. Gauging the algorithm performance

Day 2: Deep learning, NLP

ISO 9001: 2015 CERTIFIED & NASSCOM MEMBER

- 1. Introduction to Deep Learning
- 2. Understanding How Neural Networks work
- 3. Tokenization
- 4. padding
- 5. Truncating
- 6. Extracting features using word Embeddings
- 7. Training Deep neural Network from keras sequential Model
- 8. Project-2: Amazon reviews sentiment analysis







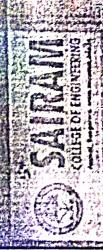


WEBINAR / WORKSHOP ON "DEEP LEARNING, AI, NLP, NLTK"

PROGRAM SCHEDULE-28.12.2020

1.	Welcome Address – Prof.Raghavendrarao. B, Program Coordinator	10:00AM
2.	Presidential Address -Dr. B. Shadaksharappa, Principal.	10:03AM
3.	Introduction of the Speaker – Dr.P.Bindhu Madhavi Head of the Department	10.:06AM
4.	Presentation by speaker	10:08AM- 12:50PM
5.	Q & A- Participants	12:55PM
6.	End of First Day Session	1:00PM





Natural Language Processing with The buthon

DEEP LEARNING, AI, NLP, NLTK

WEBINAR/WORKSHOP ON

Leam NLP concepts and how to build a

Whynatiraltanguagatoonkichutki

Mr. Satish Reddy

REGISTER HERE

Prof. Kalamani P., Prof. Raghayendrarao B.

Sri Sal Prakash LeoMuthu

Dr. B Shadaksharappa

Dr. P Bhidhu Madhavi

Organized by: Department of Computer Science and Engineering

(8) Sairam S