



**A REFLECTION REPORT FOR THE
TWO DAYS**

NATIONAL WORKSHOP

ON

**“DEEP LEARNING: TEXT ANALYSIS AND IMAGE
PROCESSING” (NWDLTAIP’18)**

March 8 & 9, 2018

ORGANIZED BY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

NWDLTAIP’18 Convener : Dr.R.Anitha, Prof & HOD/CS

NWDLTAIP’18 Coordinators : Dr.R.Nedunchelian, Dr.R.Jayabhaduri & Ms.V.Rajalakshmi

Dr. R. Jayabhaduri, CSE

**Dr. R. ANITHA.
PROFESSOR & HOD-CS
CONVENER**

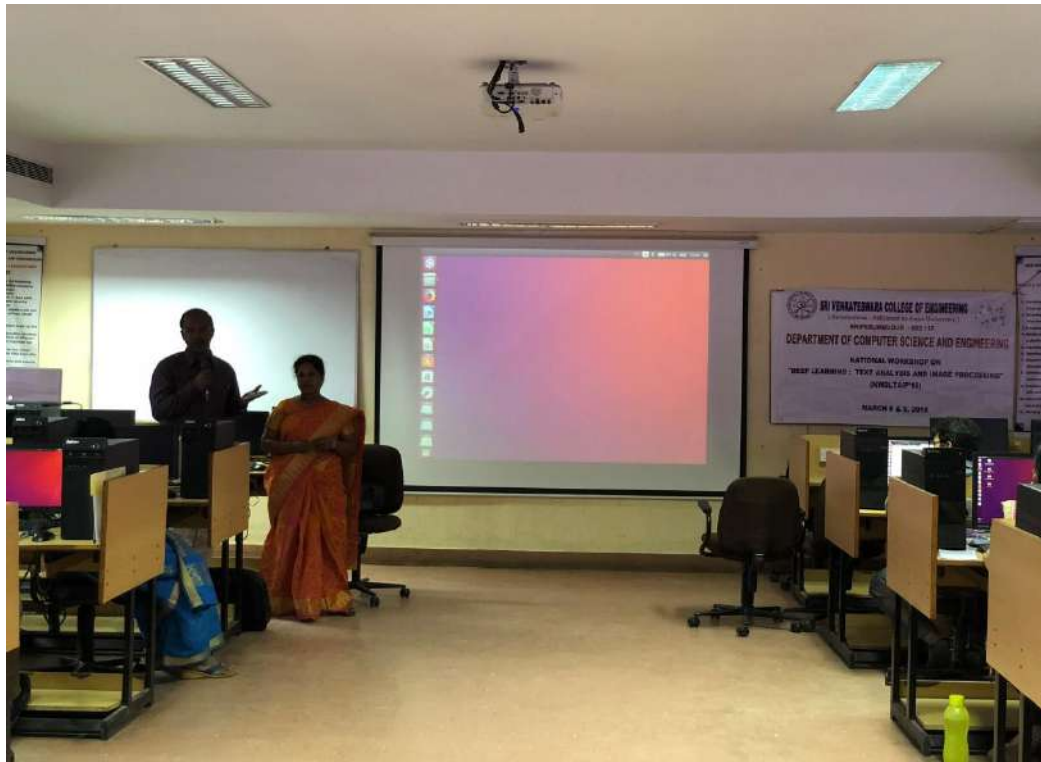
Reflection Report for the National Workshop on “Deep Learning: Text Analysis and Image Processing” (NWDLTAIP’18)

The department of Computer Science and Engineering organized a two days National Workshop on “Deep Learning: Text Analysis and Image Processing” (NWDLTAIP’18) in SVCE premises on March 8 and 9, 2018.

The objective of this workshop is to provide an opportunity for students, faculty and research scholars to gain knowledge in the areas of text and image analysis, information extraction & retrieval, machine learning and deep learning. The workshop covers lectures and hands-on session on text and image processing and analyzing using tools like Python, NLTK, Word2Vec and OpenCV respectively. The workshop began with the welcome address delivered by Dr. R. Anitha, Professor and Head of the Department, CSE. Dr. R. Jayabhaduri, Associate Professor/CS, Co-Coordinator gave an introductory speech about the workshop and introduced the resource persons Dr. D. Thenmozhi, Associate Professor/CS and Mr. B. Senthil Kumar, Assistant Professor/CS from SSN College of Engineering, Chennai.



The programme had four hands-on sessions. On day 1, forenoon session was about “Setting-up Deep Learning Environment using ANACONDA3, NLTK, TensorFlow and Keras followed by Text Preprocessing using Python and NLTK in the afternoon session.



On day 2, the forenoon was about constructing a Convolutional Neural Network for text processing whereas the afternoon session covered constructing a Deep Neural Network for Image Processing respectively. The participants gained knowledge on extracting features from text as well as images to build a deep neural network using NLTK, TensorFlow and Keras as background environment. The participants were highly interactive.



The workshop attracted a heterogeneous group of 57 participants that encompassed first, second third and final year undergraduate students of ECE, CSE and IT and research scholars from other institutions.

Participant details : Total - 57

S.No	Category	No of participants		Name of the Institution
1	Research Scholar	4		1.Vel University, Pallavaram 2. SSN College of Engineering 3. Sri Venkateswara College of Engineering
2	UG Students	I BE ECE	1	Velammal Institute of Technology
		II B.Tech IT	1	
		IV B.Tech IT	1	Sri Venkateswara College of Engineering
		II BE CSE	2	
		III BE CSE	18	
		Total	23	
3	Faculty	30		Sri Venkateswara College of Engineering



The workshop was well received and appreciated. Participant evaluation forms were issued to obtain feedback. The workshop ended with distribution of certificates to participants.



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

National Workshop on Deep Learning : Text Analysis & Image Processing

March 8&9 , 2018

Patron

Dr.S.Ganesh Vaidyanathan, Principal

Convenor

Dr.R.Anitha, Prof & Head/CS

Coordinators

Dr.R.Nedunchelian (94448 85080)

Dr.R.Jayabhaduri (94441 17480)

Ms.V.Rajalakshmi (91769 99190)

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About SVCE

SVCE is a unit of Sri Venkateswara Educational and Health Trust (SVEHT). Dr. A. C. Muthiah, a renowned engineer, industrialist is the Chairman of the Governing Council of the college. While the College supports the learning of the highest order through its quality infrastructure and eminent faculty, it also provides a wide scope for excellent development of personality of students through the effective functional Associations meant for professional, co-curricular and extracurricular activities.

About the Department

The Department of Computer Science and Engineering was established in the year 1985. The department is well equipped with excellent computing facilities, and has highly qualified faculty specialized in areas like Artificial Intelligence, Big Data Analytics, Cloud Computing, Data Analytics, Data Mining, Natural Language Processing, Machine Learning and Wireless Networking. The department is a research center recognized by Anna University, Chennai.

ABOUT WORKSHOP

Natural Language Processing enables language technology to rely on formal models, or representations, of knowledge of language at the levels of morphology, POS tagging, syntax, semantics, pragmatics and discourse. The rise of the Web as a massive source of information, and the increasing availability of wireless mobile access have all placed language-processing applications in the technology.

The objective of this NWDLT AIP' 18 workshop is to provide an opportunity for students, faculty and researcher scholars to interact with leading persons in text analysis, image processing, information extraction & retrieval and deep learning areas. This workshop aims at meeting a growing interest in NLP among the faculty and scholars. It will give them a comprehensive overview of NLP, image processing projects/research related to it, and an awareness towards the tools in these areas

TOPICS TO BE COVERED

» NLP Stack – Techniques & Issues » Information Extraction » Deep Neural Networks » Word Embeddings » CNN / RNN » Tensorflow » Demo & Hands-on

Resource Persons

1. Dr. D. Thenmozhi, Associate Professor/CS
2. Mr. B. Senthil Kumar, Assistant Professor/CS
SSN College of Engineering.

Participation Fee

Students : Rs.500/-
Faculty & Research Scholar : Rs.800/-
to be made through cash/DD drawn in favor of "The Principal, Sri Venkateswara College of Engineering", payable at Chennai.

Target Audience

- ▶ **CS/IT : Engineering Students and Research scholars**
- ▶ **Seats limited to 40, Preference based on First Come First Served**

Important Dates

Last date for Registration:
06.03.2018

Selection Intimation :
07.03.2018

**Venue: Cloud Computing Lab,
CS Dept, SVCE**