

Sarvajanik College of Engineering & Technology
Computer Engineering Department



Report on
An Expert Talk
On
Deep Learning with a focus on Natural
Language Processing

Objectives of the talk:

- To explain to the students the fundamentals of Deep Learning and its applications.
- To give the students an overview of NLP and how Deep Learning would give better results in selected applications.
- To make the students aware about the tools and resources to explore in this field.
- To provide research directions to students and teachers in the field of NLP where Deep Learning could be applied.

Date & Day: 22nd March, 2018 (Thursday)

Time: 10:45 AM to 12:45 PM

Venue: N. J. Seminar Hall

Speaker's Short Profile: The speaker Mr. Kevin Patel has an exemplary academic profile as he has completed his BTech from SVNIT, ME from IISc with a feather in his cap by standing 11th in the All India GATE Exam 2011. He is currently pursuing PhD. in IIT Mumbai on the study of deep learning techniques and lexical resources, and their interplay in improving performance in various Natural Language Processing (NLP) tasks. He is being guided by Prof. Pushpak Bhattacharyya whose work in NLP is considered to be amongst the best in the country and the NLP lab headed by him is considered one of the best research labs in the world. Mr. Kevin has also been a tutor at SVNIT Surat for an year and has delivered training sessions and tutorials on Deep Learning at various places including at ICON which is a conference organized

by IITs, IISc Summer Schools and at LG Soft which is the largest LG Electronics R & D centre outside Korea.

No. of Participants: 91 students from BE II, BE III, BE IV, ME I and ME II (Computer Engineering) and 8 faculties.

Co-ordinator: Prof. (Dr.) Nirali Nanavati, Assistant Professor, Department of Computer Engineering.

Summary:

The Computer Engineering Department of SCET had organized an expert talk on "**Deep Learning with a focus on Natural Language Processing (NLP)**" under its R & D head for the B.E students of 2nd 3rd and 4th year and the M.E. students of 1st and 2nd year on 22nd March, 2018. In all 91 students of Computer Engineering Department along with 8 faculties attended this session.

The talk started with a formal introduction of the speaker by Prof. (Dr.) Nirali Nanavati followed by a casual round of discussion with the students. Eventually the talk started.

The intuition behind the talk was to give the students insights into Deep Learning with a case study of NLP. The speaker, Mr. Kevin Patel who is a research scholar at IIT Mumbai also discussed about the research gaps and relevant tools in this area. He also inspired the students to pursue higher studies and to delve into the details of a technical problem that they were working on. The talk was very inspiring for the students and the faculties with numerous examples from real life situations. There were examples from movies, from current celebrities and from games. Hence, none of the students could bat an eye lid and they thoroughly enjoyed and learnt from the candid and detailed talk.

Finally there was a vote of thanks by Prof. (Dr.) Nirali Nanavati and the session was put open to questions wherein a lot of students discussed their project work issues and other questions to whet their curious appetites. The speaker also suggested that there could be some selected interns from SCET joining IIT Mumbai NLP labs in their summer breaks.

All in all, it was a wonderful talk and we did receive very good feedbacks about the speaker and the contents of the talk. Some of the feedbacks are listed below followed by some glimpses of the expert talk session:

FEEDBACK COMMENTS:

- *"Some really nice review of concepts for final year students, specially those who are deciding upon their field of interest for further studies. Also very helpful overview for pre-final year students as this a very crucial time for them to dwell upon their final year project topics. I was glad to be a part of this talk. Thank you to the expert for expanding our horizons of our knowledge and thank you to organising faculty to achieve what we couldn't have during limited lecture slots :)"*
- *It was very informative as well as interesting. Live examples made it very easy to understand the concepts. Although it is not my area, still I could grasp the complete talk.*
- *Wonderful content and very well presented talk. The speaker was really down to earth and very honest about his knowledge. He struck an instant rapport with the students.*
-

SOME GLIMPSES IN THE FORM OF PICTURES OF THE TALK:





Acknowledgement: I also thank the Head of the Department Dr. Keyur Rana for all kind of support extended and Honorable Principal madam Dr. Vaishali Mungurwadi for granting permission for the said event and encouraging us.

Compiled By: Prof.(Dr.) Nirali Nanavati, Computer Engineering Department