Report

Computer Engineering Department,

BIRLA VISHVAKARMA MAHAVIDYALAYA

(An Autonomous Institution)

Engineering College, Vallabh Vidyanagar

Organized

TEQIP-III Sponsored and ISTE approved

One Day Workshop on

"Deep Learning & its Applications"

On

03rd Feb, 2018 Saturday

Venue

Lab 8, F block, Computer Engineering Department

Dr. D. G. Thakore

Professor & Head, Computer Engineering Department

Prof. Kirtikumar J Sharma, Prof. Mosin I Hasan & Prof. Pranay S Patel

Faculty Coordinators

Assistant Professor, Computer Engineering Department

Elize R Modi, Abhishek Shinghadiya, Aneri Sopariya

Student Coordinators

Expert Invited   :

Dr. Kiran R. Trivedi,

Associate Professor,

Shantilal Shah Engineering College, Bhavnagar

Field of Specialization: Wireless Communication, Machine Learning

Detail Schedule Given below.

Date	Time		Venue
03/02/2018	10.00 AM to 10.30 PM	Registration & Inauguration	Lab 8, F Block
	10.30 AM to 12.30 PM	Session-I Deep Learning Basics	
	01.30 PM to 04.30 PM	Session -II Application and hands on Demo	

Inauguration

The workshop was inaugurated by a notable BVM Alumni, Dr. Huzefa Kagdi, Associate Professor, Wichita State University, Kansas, USA. Dr. Darshak Thakore, Head of Computer Department also addressed students about TEQIP-III fund and importance of these type of activities.

Session 1:

Time: 10.30 a.m. to 12.30 p.m.

Dr. Kiran Trivedi began the session by introducing the field of "Deep Learning" to the audience by giving suitable analogies. He also introduced the audience with different learning algorithms which can be employed in the projects. He gave students several useful links from where they can watch all updated information about it.

Session 2:

Time: 1.30 p.m. to 4.30 p.m.

Prof. Trivedi began the second session by introducing the students with different kinds of Neural Networks available for use. He began with Convolutional Neural Networks and touched the workings of a Generative Adversarial Network.

Finally, in the third and final part of the workshop, the students were shown a working example of picture classification. The program classified photographs of people according to their gender. The code which included functions from various Python libraries (NumPy, MatPlotLib, TFlearn, TensorFlow, Pandas, to name a few.) was explained module-by-module.

Workshop outcome:

> ➢ Students learned basic concepts of Deep Learning in the area of Artificial Intelligence and to done hands on experience to develop a simple application using open source technologies.

The workshop was concluded with Prof. Pranay Patel giving the vote of thanks and Prof. Kirtikumar Sharma facilitated certificate to the expert Dr. Kiran Trivedi. As a part of feedback some students shared their experience of the workshop, "It was excellent". The group posed for a final group photo before closing.

Coordinators   Head of the Department

Kirtikumar J Sharma   Dr. D G Thakore

M I Hasan

Pranay S Patel

Photo Gallery