Report on Guest Lecture
"DEEP LEARNING WITH NEURAL NETWORKS AND THEIR FUTURE SCOPE"
Organised by
Department of Electronics and Communication Engineering
07-03-2018

Organized in association with: **MITSAWA**

Submitted by: *Dr. B Prasanth Kumar, Assistant Professor, Dept. of ECE & Dr. S. Rajasekaran, Sr. Assistant Professors & Head, Dept. of ECE.*

Resource Person: **Shakeer H (Data Scientist, Aspring Data Engineer)**

Faculty attended:

Dr S. Rajasekaran, **HOD, Dept. of ECE**
Dr. P. Ramanathan, **Vice Principal (Academics)**;
Dr. P. Ramesh Reddy, **Alumni Secretary;**
Mr. K Rahim Basha, **ECE Dept. Alumni Coordinator**

Students Attended: **ECE: 60 Students**

Venue: ECE Seminar Hall

Mr. K Rahim Basha, Assistant Professor welcomed all the dignitaries, faculty and students and expressed his gratitude to the Management and Principal for giving permission and financial support to organize this programme.

Dr. S. Rajasekaran, Sr. Asst. Professor and Head of the Electronics and Communication Engineering department addressed the gathering. He briefly explained the motto of the programme.

Later, Dr. P. Ramanathan, Vice Principal (Academics), emphasized the importance advanced software languages and their applications in industry. Communication Engineering.

Next, Dr. P. Ramesh Reddy, Alumni Secretary, Asst. Professor, Department of Mathematics emphasized the importance of this invited talk and congratulated the organizers of the 'Guest Lecture' and conveyed his happiness and thanks to the participants.

The invited alumni, **Shakeer H,** tried to motivate the students and help them to take a right step towards their career. The main objective of his lecture was to bring awareness among Electronics and Communication Engineering students on the research and implementation of deep learning and neural networks and future scope in the broad areas of Electronics and Communication Engineering. The main agenda of his talk was

    1. An introduction to deep learning and neural networks

2. Deep learning examples in object recognition and image processing

3. Applications of deep learning in microscopy and high content screening

4. Conclusions and outlook.

He gave a valuable speech on this required by the engineers that an industry is looking for students who have knowledge on Deep Learning. She said that the how the data has been generated, how the computer has learned to recognize humans, the evolution of AI, Internet, necessity to deal with data, algorithms, how it works in real time and scope in a research program and trained designed to provide advanced training in Deep Learning. The program which acquires students to build up the necessary skills in deep learning and data science projects in addition to advance to learn more about convolution neural networks.

Further, there was an interaction session in which the students actively participated and asked their questions, to which he replied and helped them to select a right path towards their future. Moreover, he briefed various possibilities in the higher studies and specifically explained about the Data science which are presently used in most of the applications global wide, as a part of a suggestion she advised the students to participate actively in projects and fellowships.

Finally, the department of ECE along with the dignitaries such as HOD of ECE dept, vice-principal academics congratulated and wished him best wishes for his future.

At the end, Dr. S. Rajasekaran , Mr. K Rahim Basha, Dr. P. Ramesh Reddy and Dr. P. Ramanathan, Vice Principal (Academics) felicitated the alumni persons with mementos.