

# CSE Department news room

“Deep Learning Workshop” was arranged by Dr. Sumaya Al Maaded



On Tuesday 16/1/2018, Dr. Sumaya Al Maaded arranged for a workshop called Deep Learning, under the umbrella of her NPRP project. The presenter was Dr. Arif Mahmoud who is a post Doc. in the project. This workshop was managed for graduate students, research assistants and senior faculty for improving understanding of the fundamentals of deep learning algorithms. At the core of deep learning are Convolutional Neural Networks (CNN). In the workshop, the participants got hands-on experience of optimizing Fully Connected Neural Networks (FCNN) and Convolutional Neural Networks (CNN) on a class-room example. One pass of forward propagation and one pass of backward propagation was manually performed by the participants. Implementations of both FCNN and CNN were discussed in Matlab and example code was executed step-by-step for clear understanding on MINST handwritten digits dataset. The workshop acted as foundation for researchers working in deep learning areas and it will open new horizons in the emerging areas of deep learning.