

**SEMINAR REPORT ON  
DEEP LEARNING**

Submitted in the partial fulfillment of the requirement for the award

Of degree of

**MASTER OF COMPUTER APPLICATION**

Done by

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**2016-2019**

**CENTER FOR PROFESSIONAL AND ADVANCED STUDIES**

**SCHOOL OF TECHNOLOGY AND APPLIED SCIENCES**

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**2016-2019**

**CERTIFICATE**

**Certified that the seminar entitled “Deep Learning” is a bonafide record of work done by Maxil Dourave ( Reg.no.801037 ) in partial fulfillment of the requirement for award of Master of Computer Application of Center for Professional and Advanced Studies.**

**Internal Guide**

**Head of Dept.**

**Principal**

**Internal Examiner**

**(Seal)**

**External Examiner**

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## **Abstract**

Deep learning allows computational models that are composed of multiple processing layers to learn representations of data with levels of abstraction. These methods have dramatically improved the state-of-the-art in speech recognition, visual object recognition, object detection and many other domains such as drug discovery and genomics. Deep learning discovers intricate structure in large data sets by using the backpropagation algorithm to indicate how a machine should change its internal parameters that are used to compute the representation in each layer from the representation in the previous layer. Deep convolutional nets have brought about breakthroughs in processing images, video, speech and audio, whereas recurrent nets have shone light on sequential data such as text and speech.