JAIHIND COLLEGE OF ENGINEERING, KURAN

DEPARTMENT OF AI & DS ENGINEERING

T.E. SEMINAR REGISTRATION FORM

To,

The Head of Department,

AI & DS Engineering, JCOE,

KURAN.

Sub:- **Enrollment of Seminar**

Name of Student :- Thorve Avishkar Shrikrushna.

Title of Seminar :- Autoencoders

Abstract Of Seminar :-

An autoencoder is a type of artificial neural network used for unsupervised learning of efficient representations. It works by encoding input data into a lower-dimensional latent space and then reconstructing the original data from this compressed form. The network consists of two parts: an encoder that reduces dimensionality and a decoder that attempts to recreate the input. Autoencoders are commonly used for tasks like dimensionality reduction, image denoising, and anomaly detection.

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References :-

An autoencoder is a type of neural network used for unsupervised learning to encode input data into a lower-dimensional latent space and then decode it back to the original form. It consists of two components: an encoder that compresses the data and a decoder that reconstructs it. Autoencoders are effective in tasks like feature extraction, anomaly detection, and image denoising. Hinton, G. E., & Salakhutdinov, R. R. (2006). Reducing the dimensionality of data with neural networks. Science, 313(5786), 504-507.

Signature & Name of Student:-

Thorve Avishkar Shrikrushna

Recommendation of the Guide :- ---

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Remark from H.O.D. :-

This Student is permitted/Not permitted to carry out above said seminar.

Prof. Jadhav S. P.   Prof. Auti M. A.

(Seminar Guide)   **(Seminar coordinator)**

Prof. Said S. K.

(Head of Department)