



**PMC
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Er. PERUMAL MANIMEKALAI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai

Accredited by NAAC with 'A' Grade & NBA (B.E. - CSE | ECE | EEE | MECH & B.TECH. - IT)

AN AUTONOMOUS INSTITUTION

Koneripalli, HOSUR - 635 117.



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

PRESENTS



TECHNICAL SEMINAR ON
APPLICATIONS OF AI-
"LARGE LANGUAGE MODEL(LLM)"

RESOURCE PERSON



DR. B.EZHILAVAN,
FOUNDER & CEO,
VEI TECHNOLOGIES PVT. LTD, CHENNAI

CO-ORDINATORS

Mrs.P.Anlet Pamila Suhi, HOD &AP/ AI&DS

Mrs.M.Sithiha Parjana,AP/ AI&DS

Mrs.S.Santhakumari, AP / AI&DS.

DATE: 28/03/2024

VENUE:SMART CLASS ROOM

TIME:08:45 AM - 04:15 PM

TECHNICAL SEMINAR REPORT

Technical Seminar on Applications of AI-Large Language Model was conducted with the aim of equipping students with essential skills and knowledge Application of AI LLM. The seminar commenced with inaugural function.

The Resource person **Dr.B. Ezhilavan** delivered the seminar about the applications of AI especially in the field of LLM. A large language model (LLM) is a LLM notable for its ability to achieve general-purpose language generation and other NLP tasks such as classification. LLMs acquire these abilities by learning statistical relationships from text documents during a computationally intensive self-supervised and semi-supervised training process. LLMs are artificial neural networks. The largest and most capable, as of March 2024, are built with a decoder-only transformer-based architecture while some recent implementations are based on other architectures, such as recurrent neural network variants and Mamba (a state space model). The session was very useful to student and they got an idea in deep learning domain, they gained knowledge regarding artificial neural network, recurrent neural network. Finally, Mr.S.Tharun from II AI-DS proposed the vote of thanks among the gathering.

Beyond the session, he discussing about the challenges of modelling textual data including numerical representation / vectorization, sequential nature, and variable size. Before going into deep learning methods, language analysis and language modelling will be introduced first, covering N-Gram, Tf-idf, Word2Vec and GloVe models. Special emphasis will be given to word embedding. The main area of focus will be on deep learning and in depth analysis of Recurrent Neural Networks (RNN) with Long-Short-Term-Memory (LSTM) models.

PHOTOGRAPHS OF EVENTS

