Consolidated Report

Academic year: **2021 -2022**
Webinar on **"Recent Trends in Machine Learning"**
Date: **12 July 2021**
Speaker: ***Mr. Narender Kunta*, Software Engineer & Machine Learning Practitioner**

The CSE department organized an expert webinar focused on emerging advancements and real-world applications of Machine Learning. Over 300 students and faculty members attended the session. The department organized the webinar to expose students to modern Machine Learning technologies, help them understand industry-driven applications, and align academic learning with current advancements. The intention was to strengthen students' practical knowledge and prepare them for internships, placements, and research opportunities.

Key highlights:

- Introduction to modern ML workflows and model-building practices
- Demonstration of data preprocessing, feature engineering, and exploratory analysis
- Hands-on walkthrough of ML regression models including XGBoost, Linear, Ridge, SVR, and Random Forest
- Case study: Predicting Forex closing prices using GBP/USD exchange-rate data
- Distribution of a technical document enabling students to practice ML concepts independently

Impact: The session inspired increased student participation in hackathons and internal coding contests, strengthening practical ML understanding across the department.

Outcome:
Several student teams participated in regional and local machine learning and coding hackathons. Inspired by expert interactions, there was a marked increase in project submissions and idea presentations during internal departmental events. Participation rose from **25 to over 40 students**, showcasing improved coding confidence and curiosity among students.

The Department of Computer Science & Engineering extends its sincere appreciation to **Mr. Narender Kunta** for dedicating his time, expertise, and enthusiasm to enrich our students' learning experience. His contributions had a meaningful and lasting impact on the academic growth of our institution. We look forward to continued collaboration in the future. The year **2021** marked significant progress for the CSE department, with impactful expert sessions, active student engagement, and strengthened technical exposure. The department remains committed to facilitating high-quality learning activities aimed at preparing students to meet industry standards and contribute meaningfully to the technology sector.

Feedback Committee Report
Feedback Type: Online

Summary of Statistics of Feedback Received from attendees:

S. N.	Feedback Category	Total numbers of Stakeholder recorded feedback	Average Opinions of Answer in Percentage
1	Students Feedback	326	92.13%

Average Rating of All Students Feedback Response found to be 92.13 % Scale for Opinion of All Students found to be at Rank A (100-90).

Tabular Analysis of Students' Feedback Response

QA No.	Nature of Question	Opinions of Answer in Percentage				% of Opinion
		Excellent	V. good	Good	Average	
01	How clearly did the webinar explain recent trends in machine learning?	76.57	23.09	7.48	2.84	92.00
02	How helpful was the real-time Forex trading example in understanding the practical applications of machine learning?	73.26	28.78	6.01	1.92	93.20
03	How well did you understand the use of historical Forex data from websites like Dukas copy in ML models?	75.38	19.55	10.05	5.00	91.10
04	How easy was it to follow the demonstration involving machine learning algorithms like LSTM or Random Forest?	72.71	26.07	7.02	4.17	90.30
05	How effectively were the tools and libraries (e.g., pandas, TensorFlow, Scikit-learn) introduced and explained during the session?	72.76	25.52	7.25	4.45	95.00
06	To what extent did the Forex trading use-case make the session more engaging and relevant to real-world applications?	71.24	25.71	7.89	5.14	95.50
07	How confident do you feel in applying machine learning to analyze financial market data after this session?	70.00	23.00	10.0	6.97	90.00

08	How effectively did the speaker handle real-time examples and technical questions during the webinar?	71.98	24.01	7.98	6.01	90.10
09	How well did the content of the webinar align with your expectations based on the topic?	73.54	23.04	8.95	4.45	92.00
10	How likely are you to recommend this webinar to someone interested in machine learning and financial analysis?	73.03	22.13	8.67	6.15	94.00

Average Rating	92.13%

Analysis Report on the Students' Feedback received:

We have received feedback from 308 numbers of students through online process
Average Rating of Students' Feedback Response found to be at 92.13%
Scale for Opinion of Students found to be at Rank A (100-90).

FACULTY COORDINATOR

HEAD-CSE