

One-Day Workshop on Machine Learning

Report

A one-day workshop on **Machine Learning** was organized by the Department of Computer Science on 03/11/2025 at Shri Ram College. The objective of the workshop was to introduce students to the fundamentals of Machine Learning and its applications in solving real-world problems.

The workshop commenced with a welcome address by the Head of the Department, who emphasized the growing importance of Machine Learning in today's technology-driven world. Faculty members and students from various disciplines actively participated in the event.

The resource person, Shubham Kumar, an expert in Artificial Intelligence and Machine Learning, delivered an insightful session on the basic concepts, techniques, and applications of Machine Learning. The speaker explained how machines can learn from data and make intelligent decisions without being explicitly programmed.

During the technical sessions, participants were introduced to key topics such as supervised learning, unsupervised learning, classification, regression, clustering, and predictive analytics. The speaker also discussed the role of data in training machine learning models and highlighted the importance of data preprocessing and feature selection.

Practical demonstrations were conducted using popular Machine Learning tools and programming languages. Students learned how machine learning algorithms are applied in areas such as healthcare, finance, education, cybersecurity, e-commerce, and social media. Real-world examples helped participants understand the practical significance of Machine Learning in modern industries.

The workshop also covered emerging trends in Artificial Intelligence, Deep Learning, and Data Science. Participants actively engaged in discussions and raised queries regarding career opportunities, research prospects, and industry requirements in the field of Machine Learning.

An interactive question-and-answer session was held at the end of the workshop, allowing students to clarify their doubts and gain deeper insights into the subject. The workshop concluded with a vote of thanks, expressing gratitude to the resource person, organizers, and participants for their valuable contributions.

The event proved highly informative and beneficial, providing participants with foundational knowledge and practical exposure to Machine Learning concepts and applications.

Outcomes of the Workshop

- Enhanced understanding of Machine Learning concepts and techniques.
- Familiarity with supervised and unsupervised learning methods.

- Knowledge of data preprocessing and model training processes.
- Exposure to real-world applications of Machine Learning across various industries.
- Awareness of emerging technologies such as Artificial Intelligence and Deep Learning.
- Improved analytical and problem-solving skills through practical demonstrations.
- Understanding of career opportunities and future trends in Machine Learning and Data Science.
- Motivation among students to pursue further learning and research in AI and Machine Learning.

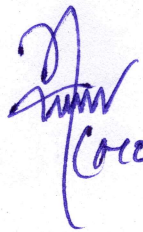
Venue: Shri Ram College Auditorium

Date: 03/11/2025

Resource Person: Shubham Kumar

Coordinator: Sanjay Kant

Number of Participants: 169


(COOD, Computer Application)



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