Report on RUSA Sponsored Guest Lecture

"Future Opportunities in AI Related Research"

Held on 23 September 2024

The **Department of Computer Science, Pratap College (Autonomous), Amalner** successfully organized a **RUSA Sponsored Guest Lecture** on the topic **"Future Opportunities in AI Related Research"** on **23 September 2024**. The lecture was delivered by **Prof. Dr. Ravindra R. Patil**, **Researcher, Norway Research Center**. The program was attended by **60 participants**, including students and faculty members.

The primary objective of the guest lecture was to expose students and faculty members to emerging research trends in **Artificial Intelligence (AI)** and to create awareness about future research opportunities at national and international levels. The session aimed to motivate students to pursue research-oriented careers and higher studies in AI-related domains.

The speaker explained the fundamentals and applications of **Machine Learning**, including supervised and unsupervised learning techniques, real-world use cases, and current research challenges. He emphasized how machine learning plays a crucial role in modern AI systems and discussed skill sets required to pursue research and careers in this domain. The session also highlighted future trends and opportunities in machine learning–based research at national and international levels.

The lecture was highly informative and interactive. Students actively participated in the discussion and benefited from the expert guidance provided during the question-and-answer session. The program successfully enhanced participants' understanding of future research directions in Artificial Intelligence and inspired them to engage in innovative research activities.

The Department of Computer Science expresses its sincere gratitude to **Prof. Dr. Ravindra R. Patil** for sharing his expertise and to **RUSA** for sponsoring the guest lecture, which greatly contributed to the academic enrichment of students and faculty members.