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GUEST LECTURE on 'Role of Mathematics in Artificial intelligence and Data Science'

A Guest lecture on 'Role of Mathematics in Artificial intelligence and Data Science' was organized by the Department of Mathematics, MVJCE on 19th February 2024. The lecture was organized at M V Jayaraman Auditorium for the Second-year students.

A Guest lecture on **'The Role of Mathematics in AI and Data Science '** was conducted at M V Jayaraman Auditorium, MVJCE on 19th February 2024.

The Guest speaker for this lecture was Prof. Kantha Rao, Principal Scientist,CSIR 4Pi, Bangalore. All the first-year students and faculty members attended the session. At this guest lecture, 700 Second-year students from various branches of Engineering were present.
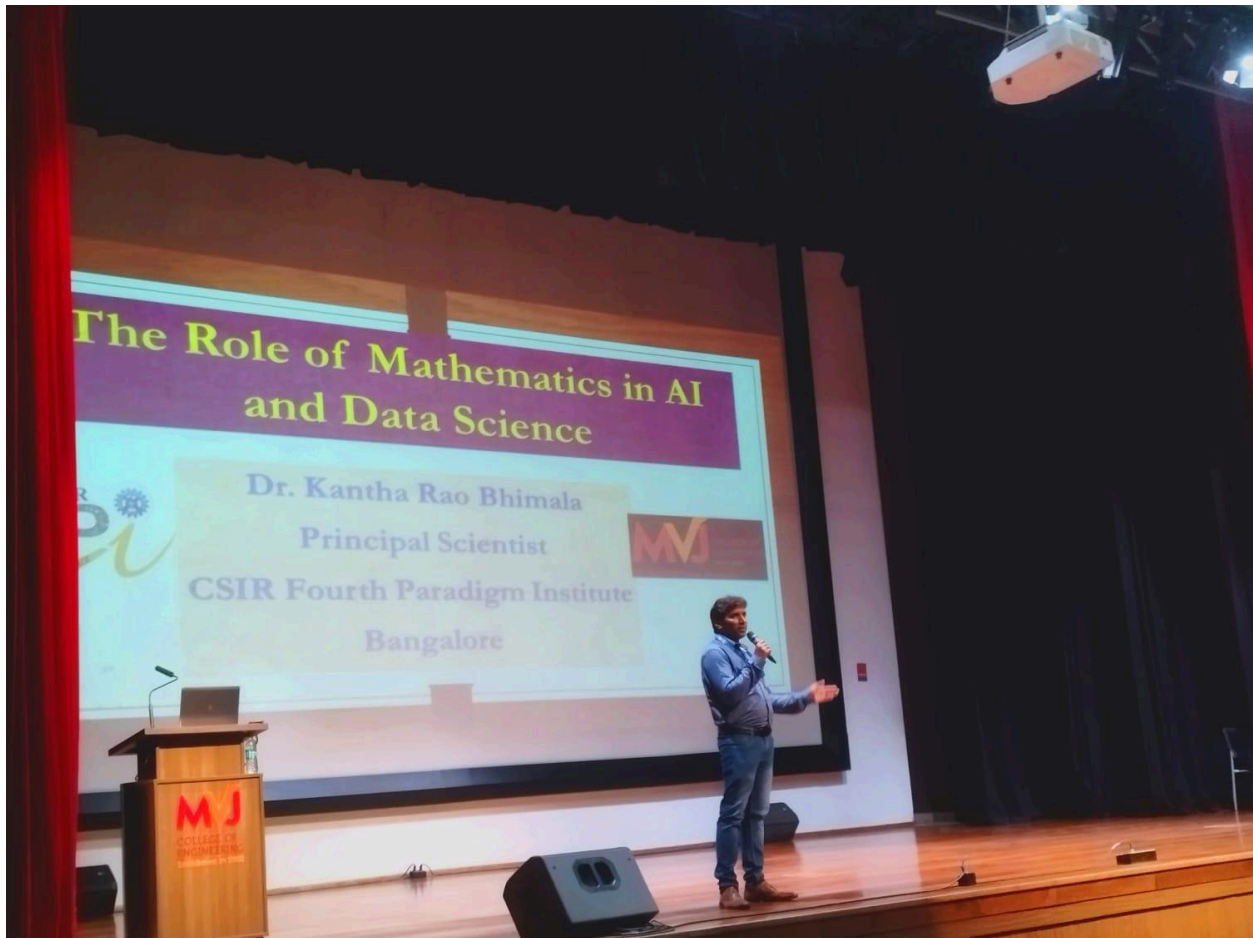
Students during the guest lecture.

The session started with an Invocation song by Second year student Aishwarya from AE department, Dr. Niranjanappa, Dean Research, MVJCE, welcomed the audience and the Guest Speaker. He addressed the gathering about the importance and need of Mathematics in Artificial intelligence and Data science. He highlighted the requirement of Mathematics in Science as well as Technology. He concluded his talk by introducing the guest to the audience.

Prof. Niranjan L, HOD, Department of Mathematics introducing the Chief guest.

Prof. Niranjan L, HOD, Department of Mathematics, introduced the Chief Guest to the audience.

Dr. Kantha Rao, the guest speaker, giving the guest lecture

The guest speaker Dr. Kantha Rao started his talk with the importance of Artificial Intelligence and Data Science. He gave a quick introduction about the CSIR. He explained the weather forecast model, population explosion model and so on. Later on, he gave a quick view on the main usage of Big Data in various search engines, data assimilation, Web data analytics, Healthcare etc. He then addressed mathematics in deep learning. He also introduced the students to the concept of correlation and predictive models based on it. He also introduced the students to 'Deep learning methods for scientific and industrial research'. Later on, the speaker carried out the lecture with weather integrated model COVID 19 predictions of the spread with COVID 19, this included mathematical modelling, the method of least squares, correlation, statistics and other various mathematical techniques.

After the presentation, a Q&A session was conducted where the Guest Speaker addressed the queries of the attendees.

The session concluded with vote of thanks by Madhushree, II year CSE student, to MVJ Management, Principal, Vice Principal, Dean of Academics, Dean of Research, Dean of Students' affair and COE of MVJCE for having given this opportunity to conduct the Guest lecture. A special mention to ITHELPDESK and team for their technical support during the session.

Outcome of the Event

The guest lecture enabled the students to have more knowledge about Mathematics in artificial intelligence and data science. This would lead an individual to gain interest in learning the subject more accurately specifically in the concepts such as correlation, method of least squares and other statistical methods. This also encourages an individual to explore and understand the need of Mathematics in their respective Engineering branch.

Ms. Poojashree R
Event Co-Ordinator,
Assistant Professor, Mathematics
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