



National Public School, Kengeri, Bengaluru

Report on Data Science Workshop



National Public School, Kengeri, Bengaluru, had organized “Data Science” Workshop for the students of Grade 8, on 15th February, 2024.

Data science is an interdisciplinary academic field that uses statistics, scientific computing, scientific methods, processes, algorithms and systems to extract or extrapolate knowledge and insights from potentially structured, or unstructured data.

The resource person, Ms. Amrutha Kalibhat, Advanced Senior Data Scientist, Honeywell, shared vast knowledge on Data Science, which encompassed a range of topics like ML(Machine Learning), RL(Re-enforcement Learning), AI(Artificial Intelligence), Discriminative AI vs Generative AI, Practical Application-1 of AI, increasing supermarket sales by understanding customer purchasing patterns, practical application of AI, and career planning – Data Science roles.

The resource person focused on the key aspects- fundamental concepts, tools and techniques in data science; made it more interesting by sharing information on the basics of data science and its use in agriculture to remove weeds from the fields without using hands and using of drones in ware houses to know the stocks and predictability of delivering the products.

During the session, the resource person explained that Google Maps are not AI and that a different technique was used on the back end to lead to that front end perception of intelligent behaviour followed by differences between Discriminative AI vs Generative AI. The most interesting topic interpreted by the resource person was- Master basket analysis- about how the shopping mart uses the technique to arrange the products in the store and how the customer ends up with many items in the billing list. The session ended by grilling some questions to the students and also shed light on the different careers in data science, and about how to choose those careers after their secondary education.