



Workshop on Advanced Artificial Intelligence

Academic Year: 2021-22

Name of the Event: Workshop on Advanced Artificial Intelligence

Date & Time of the Event: 6th & 7th January 2022, 10:00 AM

Name of the Speaker: Mr. Mukesh Jain

Designation: CTO, Chief Innovation Officer & VP Insights & Data

Name of the Company / Institution with Address: Capgemini, Talwade, Pune

Targeted Audience: TE

Venue: Online Mode

Event Coordinator: Prof. Manjusha Amritkar

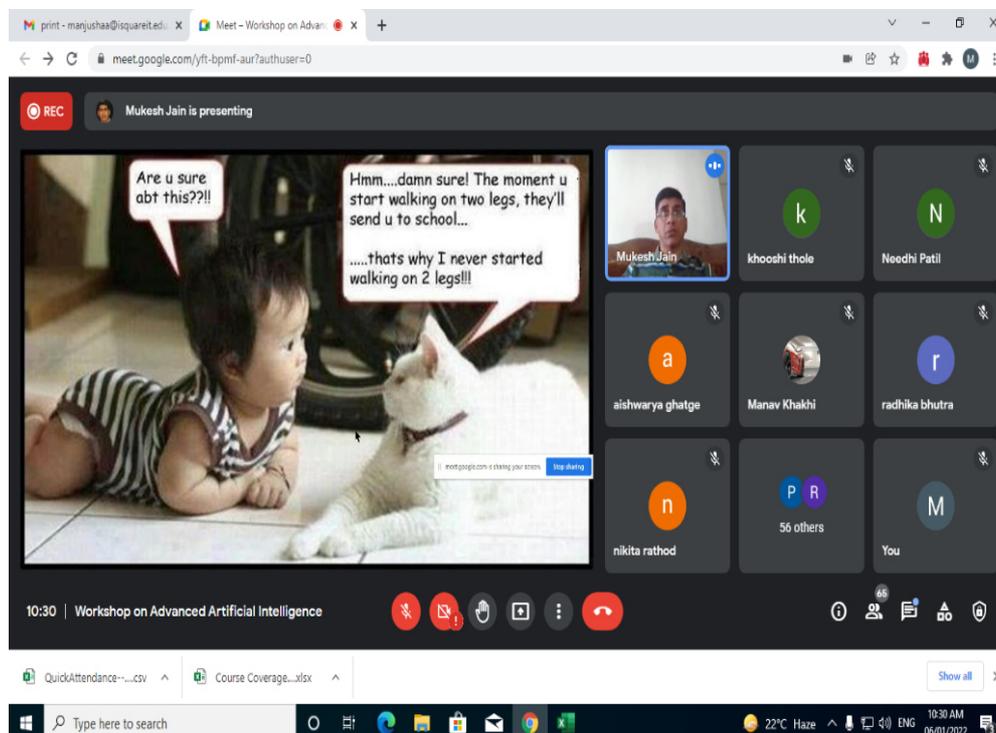
Number of Participants: 100

Activity Description in Nutshell:

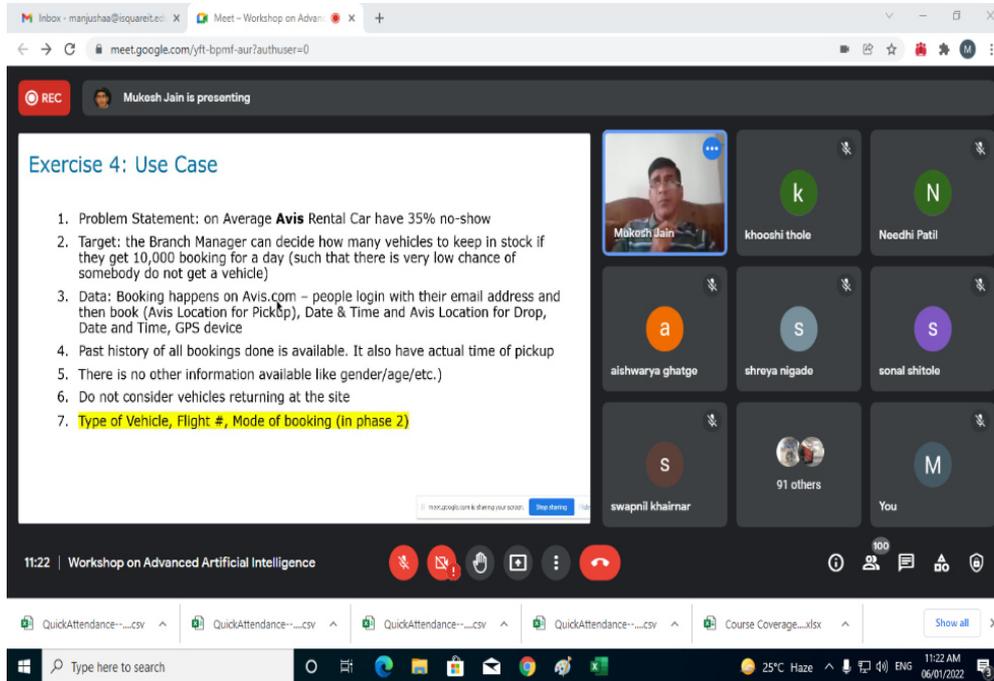
The webinar was organized on 6th and 7th January 2022. It was graced by highly qualified, speaker Mr. Mukesh Jain, who is CTO, Chief Innovation Officer & VP Insights & Data at Capgemini, India. He briefly explained how to approach problem-solving, which is an essential skill in the IT field in a data-driven way. He proceeded to tell how that helps in decision making and illustrated it using use-cases which brought interactivity in the session. He provided examples for the same which helped students grab the essence of the matter. The speaker then brought forward the main topic AI and started by briefly summarizing the terminologies related to subjects in a way that familiarized the audience with the topic and elevated the interest level. He also shared his experiences while working on the Microsoft

Outlook team and how he used data analytics to solve a very basic but crucial problem by thinking in data driven way. He touched on topics such as search engine optimization and IOT and their connection with AI which provided a base for further conversation. In the second session of the first day, he elaborated on how AI works in action with a great example in the NLP field, Character recognition, and shared an experience on the same. He proceeds to talk in detail about AI and its major divisions, its components, evolution and its role in decision making. In the first session of day he explained the concept of Natural language processing and explained the theory behind it like tokenization and tagging. In the latter session of the day he demonstrated NLP in working with example and encouraged students to code themselves and play around with concept to get a better grasp of it. By not limiting to the aim of his talk, he also gave the students an insight about opportunities AI, ML and Data Science. He elaborated on career path by touching on points like curiosity, attitude and aptitude and concluded the session with an insight of future trends in AI. After every session students were presented with the opportunity to interact with speaker to clear their doubts.

Event Photos:



Mr Mukesh Started session with Intro of AI



Exercise 4: Use Case

1. Problem Statement: on Average **Avis** Rental Car have 35% no-show
2. Target: the Branch Manager can decide how many vehicles to keep in stock if they get 10,000 booking for a day (such that there is very low chance of somebody do not get a vehicle)
3. Data: Booking happens on Avis.com – people login with their email address and then book (Avis Location for Pickup), Date & Time and Avis Location for Drop, Date and Time, GPS device
4. Past history of all bookings done is available. It also have actual time of pickup
5. There is no other information available like gender/age/etc.)
6. Do not consider vehicles returning at the site
7. **Type of Vehicle, Flight #, Mode of booking (in phase 2)**

Use case explanation