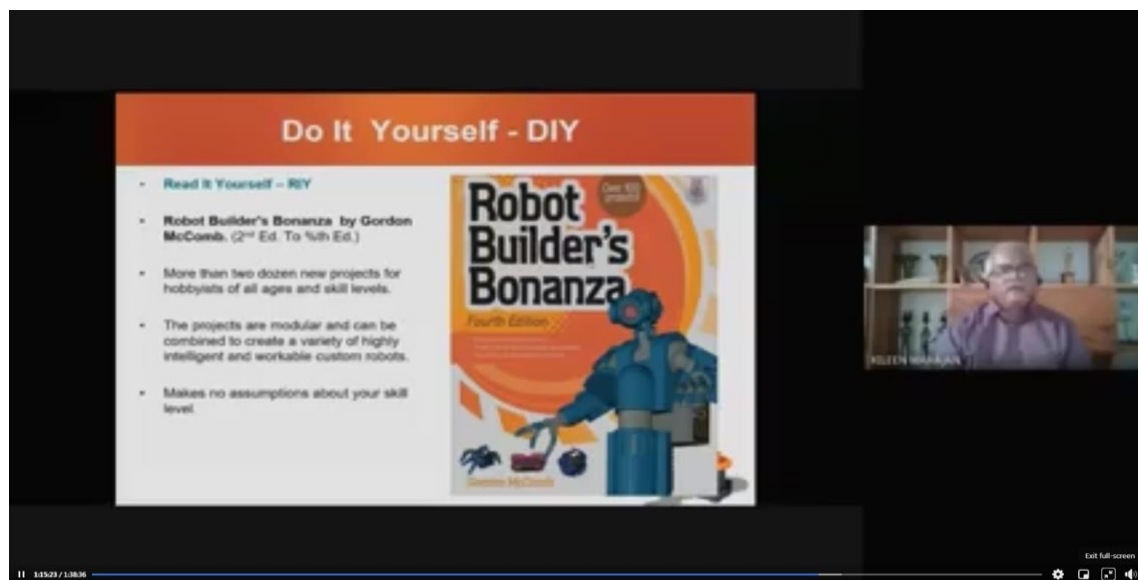
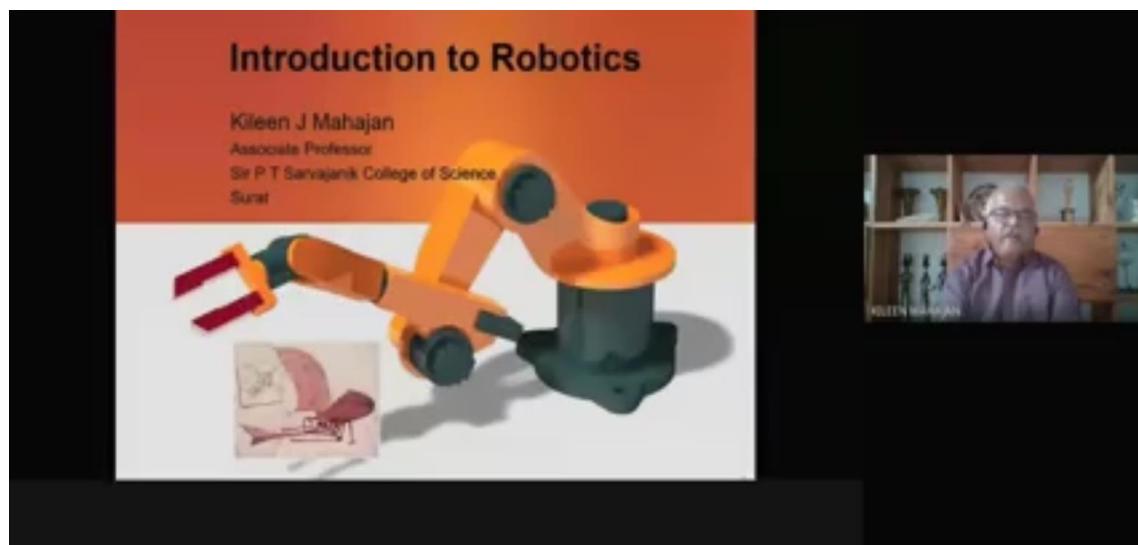


Webinar on “Introduction to Robotics”

Date: 20-04-2020

Participants: 525

Prof. Kileen Mahajan, Department of Physics, Sir P. T. Sarvajani College of Science, Surat



Link to Webinar Video:

<https://www.facebook.com/102940994767328/videos/690800721548995>

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Brief Report:

Brief Report: The talk started with the historical background about robotics and how it was related to other fields like mechanics, electronics and IT. The Prof. Kileen Mahajan gave an overview of the historical developments and contribution of various innovators like Leonardo da Vinci and his various mechanised robots, Ada Lovlace, Charles Babbage and the Analytical Engine. The humanoids and automatons designed by Pierre Jaquet-Droz brought out the intricate work done to design mechanical robots. The Japanese mechanical puppets Karakuri Ningyo and their impact on Japanese design of robots was also explained. Karel Capek and his play Rossum's Universal Robots or R.U.R., published in 1921, was also highlighted as it was the play that introduced the word “robots” to the world. Isaac Asimov postulated the Three Laws of Robotics for positronic robots and its significance was also shown. Various robots shown in movies were discussed and Ben Skora's Arok was also explained. Various parts of a modern robot were highlighted and their classification in terms of the joints was also shown. The presentation concluded with a bibliographic list of websites for further reading and books that would help students in do-it-yourself (DIY) or building and programming their own robots. The students and various other participants had their queries and were answered in the interaction session.