

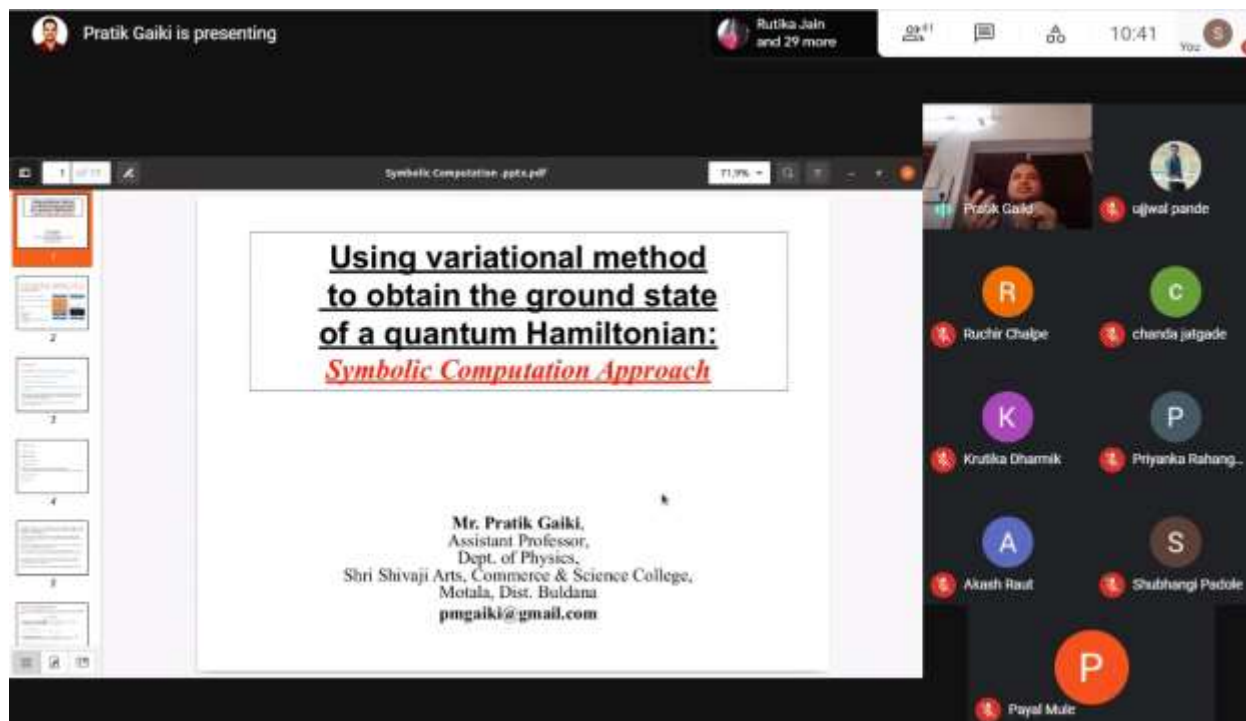
SSES Amt's Science College, Congress Nagar, Nagpur

Webinar

on

"Numerical Methods and its applications in the simulation"

Session 2020-2021



A guest lecture organized on "Numerical Methods and its applications in the simulation" on 13th of March 2021 for M.Sc. Physics students. The Department of Physics conducted the guest lecture online mode due to the pandemic situation. The guest of honor for the lecture was Prof. Pratik M. Gaiki, currently designated as Assistant Professor in the Physics department of Shri Shivaji Arts, Commerce and Science College, Motala.

The Principal, Dr. M. P. Dhore and Dr. S. W. Anwane, Head, Department of Physics, Dr. G. L. Jadhav, Prof. C. R. Kumar, Dr. S. S. Pote, Prof. Yashpal Pawar, Prof. Miss P. P. Dixit, Prof. Miss Isha Kapte, were present on this occasion. All Students of M.Sc. Physics course attended the lecture and made this event successful.

Prof. P. M. Gaiki gave a detailed lecture on the topic. It started with the computation of numerical methods for solving physics problems. It then moved forward with some physics problems like numerical solution 1-dimensional and 3-dimensional square potential well, Linear Harmonic Oscillator. He demonstrated how these methods useful in the simulation of material science problems too. Dr. S. W. Anwane also showed some of

his work on MAPLE for simulation of Physics problems which crafted the subject with finer details and enhanced the understanding of the concepts.

It was an enlightening lecture for all the audience to have such fantastic speakers. The Physics department is continuously working towards enhancing students' knowledge of physics; apart from their curriculum, this lecture was a part of it.