

SPECTROSCOPY

REPORT FOR THE YEAR 2017 - 2018

Title of the seminar: Spectroscopy

Date and year of the seminar: 14th September, 2017

Resource Person: Dr. Venkatesha M.A

Number of Participants: 130

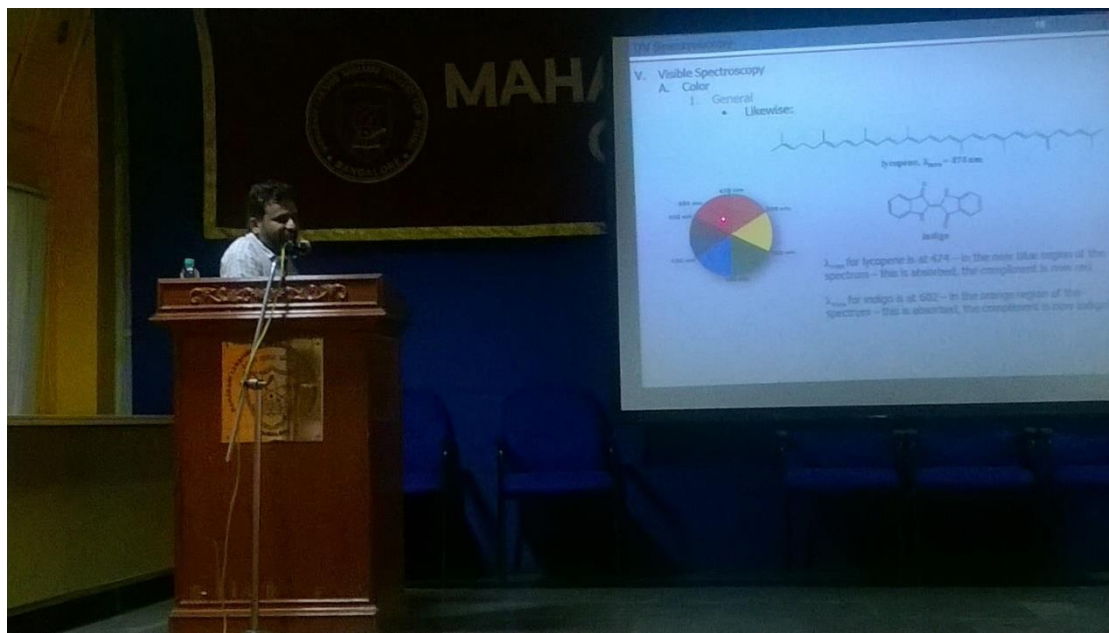
Workshop Methodology: Interactive

Brief Summary:

Guest lecture on Spectroscopy was conducted by the Department Of Chemistry on 14th of September, 2017 for the students of BSc. III and V semester. The programme commenced with welcome address, activities of the Chemistry Forum and introduction of the speaker by Dr. Nagalaxmi B.N. The resource person Dr. Venkatesha M.A. from IISc, Bangalore, spoke about UV, IR and NMR spectroscopy. In UV spectroscopy, he emphasized upon the types of electronic transitions and the effect of conjugation in organic compounds. In IR spectroscopy, stretching and bending modes of vibrations and fingerprint region was highlighted. In NMR spectroscopy, the number of signals with respect to equivalent and non-equivalent protons, position of signals, shielding and de-shielding of protons, spin-spin splitting and spin-spin coupling was dealt in detail by taking examples of ethyl bromide, ethanol and alkyl chlorides in general. Spectra of these compounds were also discussed. Prof. Nussarath Zareen delivered the vote of thanks.



Faculty and students participating in the seminar at KNV Shastri Auditorium.



Resource Person Dr.Venkatesha.M.A from IISc delivering lecture on NMR Spectroscopy

ATTESTED

Sheel kal. A

Principal

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