# Devi Ahilya Vishwavidyalaya, Indore

## Ph.D. Course work in Chemistry

**(2021)**

**Credits 3**

**CHEM-103 ADVANCED COURSE: INTERPRETATION OF SPECTRA**

**(Theory and Practice)**

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| **Unit –I:****ESR spectroscopy*** Introduction, Basic Principle, Instrumental Features and Interpretation Exercises
* Structure elucidation using combined spectral techniques data
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| **Unit –II:****Infra-Red spectroscopy**Introduction, Basic Principle, Instrumental Features and Interpretation Exercises |
| **Unit –III:****NMR spectroscopy**Introduction, Basic Principle, Instrumental Features and Interpretation Exercises |
| **Unit –IV:****Mass spectrometry**Introduction, Basic Principle, Instrumental Features and Interpretation Exercises |