



"बेटी बचाओ, बेटी पढ़ाओ"

## JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR

### Faculty of Pharmaceutical Science

Faculty Name : **JV'n Abhishek Kumar, Lecturer**  
Department : **Pharmaceuticals Chemistry**  
Program Name : **M Pharm**  
Semester : **I Sem/ 1st year**  
Course/ Subject Name : **Modern Pharmaceutical Analytical Technique**  
**Teacher**

Sr.No.	Course Outcome
<b>1</b>	To Understand the Chemical nature and cellular behavior of drugs in single and combination dosage forms.
<b>2</b>	The basic theoretical Knowledge of the instrumentation techniques available.
<b>3</b>	Theoretically understand the aspects of separation for multi components.
<b>4</b>	Practical Skills for the analysis of drugs and using various instrumentation techniques.
<b>5</b>	To make accurate analysis and report the results in defined formats.
<b>6</b>	To understand the professional and safety responsibilities for working in the analysis Laboratory
<b>7</b>	To understand the different types of instrumental analytical techniques available for quality control of APIs and Pharmaceutical dosage forms.
<b>8</b>	Know various sampling techniques employed in analysis of solid, semisolid and liquid dosage forms.
<b>9</b>	Understand principle, instrumentation and application of UV- Vis, Atomic Absorption, Emission Spectroscopy, NMR , LCMS, HPLC and all other Chromatography Technique
<b>10</b>	To study the basics of instrumentation of various analytical instruments and their calibration. Understand the concept of linearity, absorbance maxima and calculation of absorptive constant. Understand the concept of Assay of APIs and formulation by various analytical techniques including UV spectroscopy.