

**A THREE DAY WORKSHOP CUM TRAINING ON PHARMA  
INSTRUMENTS**

**Venue: Maharaja's College Of Pharmacy-Vizianagaram**

**Date: 27, 28 and 29<sup>th</sup> July- 2017**

**Participants: Dr. P.V. Madhavi Latha and Ms. M. Gayatri Devi**

**Day 1: 27<sup>th</sup> July, 2017 (Thursday)**

Morning session was started by **Dr. M. Murali Krishna Kumar**, Associate Professor from AU college of Pharmaceutical Sciences, Visakhapatnam.

He discussed on “**IR Spectroscopy in structural elucidation of organic compounds**”.The need for structural elucidation of organic compounds, different zones in IR spectrum and analysis of IR spectrum.

The next session was by **K.Prasanth**, Assistant Manager in Dr. Deddy's, Duvvada, Visakhapatnam. He delivered a lecture on “**HPLC basics and troubleshooting**”- Basic instrumentation of HPLC and the general problems faced with HPLC instrument.

The afternoon session - Practical/training session about **tablet punching machine**.

**Day 2: 28<sup>th</sup> July, 2017 (Friday)**

Morning session was started by **Dr. J. Vijaya Ratna**, Professor from AU college of Pharmaceutical Sciences, Visakhapatnam.

She gave a lecture on “**Dissolution – A few critical points**”- The importance of dissolution, calculations for rate of dissolution and specifications for dissolution apparatus.

The second session was on “**Spectroscopy**” by **Ms. Sangeetha**, product Specialist from Agilent Technologies. She discussed about importance of spectroscopy, different types of spectroscopy like UV- Visible spectroscopy, IR spectroscopy and their applications. The different instruments manufactured by Agilent Technologies.

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Afternoon session- practical/training session about **IR spectroscopy** by **Ms. Sangeetha**. They also conducted an activity on “Traditional mode of education VS outcome based education”.

### **Day 3: 29<sup>th</sup> July, 2017 (Saturday)**

Morning session was started by **Mr. E. Sadhasrinu**, customer engineer, team lead, Agilent Technologies, Hyderabad. He discussed about “**Introduction to HPLC, Maintenance and troubleshooting**”.

The second session was by **Dr. V. Jayathirtha Rao**, Emeritus Scientist, CPC division, CSIR-IICT. He delivered a lecture on “**Luminescence and its applications**”. He discussed about types of Luminescence and its applications in different fields.

Afternoon session was by **Dr. V. Jayathirtha Rao**, Emeritus Scientist, CPC division, CSIR-IICT on “**Instrumentation of HPLC and its applications**”, followed by practical/training session about **HPLC** by **Mr. E. Sadhasrinu**.





