



GOVERNMENT COLLEGE , NIWALI  
DISTT. BARWANI M.P.  
शासकीय महाविद्यालय निवाली

In Collaboration with

**Reliable' s Shree Industrial Training Center,  
Jalgaon ,Maharashtra  
An ISO 9000:2008 LAB**

**3-Days National Level Hands-on & Corporate  
Training Workshop on  
Analytical Instrumentation Training-2022  
(HPLC,GC, UV-Vis Spectroscopy)**

**From 24 Nov.2022 to 26 Nov.2022  
Time: 11 AM to 03 PM**

**Resource Person**



**Mr. Anil Vispute**  
Director, RSITC,  
Jalgaon



**Prof. Ashok Chouhan**  
Principal & Patron



**Dr. Kiran Tawade**  
IQAC Coordinator

**Managed by- IQAC**

**Sponsored by –MPHEQIP, Department of Higher Education , Bhopal,  
M.P.**

**Organized by -Department of Chemistry, Govt. College , Niwali**  
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<https://mphighereducation/gdcniwali>



## Analytical Instrumentation Training-2022 (HPLC,GC, UV-Vis Spectroscopy)

**\*REGISTRATION \***

Link for Registration- <https://forms.gle/Zdk1WbEQqfgK6Bd56>

Fees for Students : Rs. 200/-

Fees for Faculty/Academician : Rs. 500/-

### About workshop

- Learner will be able to handle and operate the sophisticated instruments.
- It focus on theoretical understanding of subjects through experimental demonstrations.
- All the participants will get Certificate after registration , successful completion of the course and after submission of feedback form.

### Workshop Content

#### Day 1-on 24 November 2022

- Need ( Advantage) of Course , Introduction of Chromatography
- Theory and Principals of all Chromatography. Details About HPLC COMPONENTS
- Different Types of Stationary Phase and Detectors in HPLC
- Types of HPLC System and its applications
- How to separate peaks ( Separation Tech) Interpretation of Graphs and Industrial Application .

#### Day 2-on 25 November 2022

- Theory of Spectroscopy( UV-VIS SPECTRO) , Theory and application , Principal of UV UV vis. Spectrophotometer , All Types of mode in UV\_VIS , Application of UV in Industry , Test ( UV-VIS)

#### Day 3-on 26 November 2022

- Practical session for UV -VIS SPETROPHOTOMETER ( INTRODUCTION) , Find out wavelength of Different Drugs in Spectrum mode , Perform Lambert Beers Law in Photometric Mode , Details About HPLC COMPONENTS and STD.OPEARATING PROCESS , Development of Analytical Methods and identification of Drugs and Chemicals , Revision , Test ( HPLC+ UV )