

# Shri R. K. Parikh Arts & Science College, Petlad.

## Add-on Certificate Course

**Course Title** : Chromatography Techniques

**Coordinator** : Dr. J. A. Chaudhari

**Department** : Chemistry

**Duration** : 30 Hours (Theory: 15 hrs., Practical: 15 hrs.)

### Course Content :

- ❖ Introduction of Chromatography
- ❖ Classifications of Chromatography
- ❖ Principle, Mechanism, Application and Experiments for Paper Chromatography, TLC.
- ❖ Demonstration for GC & HPLC Techniques including field Visit of concern laboratories.

### Outcome:

- ❖ Paper chromatography is a method used by chemists to identify and separate the constituents (or parts) of a solution.
- ❖ Students will learn hands on training of mechanism like TLC, GC and HPLC.
- ❖ This study will helpful them in further studies and in industries.

### Reference Books:

1. Instrumental methods of Chemical Analysis by B.K.Sharma.
2. Instrumental methods of Chemical Analysis by Gurdeep R Chatwal.
3. Quantitative Analysis by Skoog & West.