LITTLE FLOWER COLLEGE, GURUVAYOOR

DEPT. OF CHEMISTRY OFFERED CERTIFICATE COURSE 2020-2021

INSTRUMENTATION FOR ANALYSIS

SYLLABUSTOTAL hrs: 30

**Objectives of the course**

* To enable students to understand the theory of spectroscopic techniques
* To familiarize different modes of spectroscopic analysis
* To equip students to do good research

MODULE I (4 hrs)

Theory, instrumentation and applications of UV – VISIBLE spectroscopic technique

MODULE II (5 hrs)

Theory, instrumentation and applications of Infra- Red spectroscopic technique

MODULE III (6 hrs)

Theory, instrumentation and applications of NMR spectroscopic technique

MODULE IV (6 hrs)

Theory, instrumentation and applications of Mass spectroscopic technique

MODULE V (4 hrs)

Theory, instrumentation and applications of SEM analysis technique

MODULE VI (5 hrs)

Theory, instrumentation and applications of TEM analysis technique

Total 30 hrs.

**Out come**

* **Students are oriented to research**
* **They get basic knowledge of analysis techniques**
* **They get exposure to modern intryuments.**