



**Sri Ramakrishna Mission Vidyalaya College of Arts and Science  
Coimbatore - 641 020**

(An Autonomous Institution affiliated to Bharathiar University and Re-accredited by NAAC with 'A' grade)

**Internal Quality Assurance Cell**

**3.1. Promotion of Research and Facilities**

**3.1.1. Research Facilities**

**Major Research facilities available at the institution**

S.No.	Name of the Equipment	Purpose
1	Simultaneous Thermal Analyzer TGA-DTA	To analyze thermal properties
2	UV-Vis-NIR Spectrophotometer	To analyze optical properties
3	PL Spectrometer	To estimate the direct band gap energy of materials
4	FT-IR Spectrometer	To identify functional group analysis
5	Czochralski unit	To develop NLO crystals
6	Glove box setup	To prepare Solar cell
7	Multi Lamp Photoreactor	To analyze Photocatalytic activity
8	Vacuum Coating Unit	Thin film deposition
9	Spray Pyrolysis Unit	Thin film deposition
10	Spin Coating Unit	Thin film deposition
11	Vacuum Oven	To Anneal the samples
12	Keithley Electrometer	To measure I-V Characteristics
13	Hioki LCR Meter	To calculate AC Conductivity
14	Constant Temperature Bath	To grow Crystals
15	Surface Profilometer	To measure thickness of the samples
16	Pelletizer Unit	To prepare pellet
17	Hot air laboratory oven	To dry the precipitates and glass wares
18	TLC UV Cabinet	To view the spots in TLC plate
19	Microwave synthesis system	To synthesis organic and inorganic compounds
20	Gouy Balance	To analyze the magnetic properties



  
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