



# Vinayaka Mission's College of Pharmacy

Vinayaka Mission's Research Foundation (DU), Salem



## Consultancy Service Cell

&

## Testing Centre



## Information Brochure

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**VINAYAKA MISSIONS COLLEGE OF PHARMACY,**  
**Vinayaka Mission's Research Foundation,**  
**(Deemed to be university), Salem.**  
**VMCP CONSULTANCY SERVICE CELL - (VMCPCSC)**



## **ABOUT THE UNIVERSITY**

The Thirumuruga Kirupananda Variyar Thavathiru Sundara Swamigal Medical Educational and Charitable Trust was established in the year 1981 by Salem based philanthropist and educationist Dr. A. Shanmugasundaram with an inner urge to serve the society in general and the needy in particular by imparting education.

These noble thought and the vision of the visionary came true with Recognition of Govt. of India and Ministry of HRD to confer the Deemed University status as 'Vinayaka Mission's Research Foundation' under section 3 of UGC act 1956 and Accredited by NAAC.

## **ABOUT THE COLLEGE**






The Vinayaka Mission's College of Pharmacy, Salem, established in the year 1982 is the pioneer institution of the Trust that plays a vital role in the field of Pharmacy education and caters to the needs of the society by meeting the ever-increasing demand for Pharmacists in India and abroad. The college that started with Diploma in Pharmacy (1983) programme now also offers B. Pharm (from 1993) and M.Pharm (from 2003) in 5 specializations, Pharm.D and Pharm.D (Post Baccalaureate) in 2008.

The college is approved by Pharmacy council of India, AICTE, New Delhi and a unit of Vinayaka Mission's Research Foundation - Deemed to be University, Salem. Several Thousand students have graduated from the college successfully and are practicing the profession of pharmacy throughout the globe and serving the community. The college has its own, independent, multistoried well-designed building located at scenic foot hills of the Yercaud (a hill resort) with excellent infrastructural facilities including class rooms, laboratories, Library, and an auditorium.

The central instrument center is equipped with major instruments like (SCHIMADZU HPLC, PERKIN ELMER FTIR, SPECTRUM 100, SCHIMADZU 1601 UV-Visible Double Beam Spectrophotometer, SYSTRONICSUV-Visible Double Beam Spectrophotometer, Semi auto Biochemical Analyzer, KELWEKA ALL PURPOSE INSTRUMENT, BROOKFIELD DIGITAL VISCOMETER, LYOPHILISER/FREEZE DRYER, HUMIDITY CHAMBER, ELECTROLAB DISSOLUTION TEST APPARATUS, ROTARY EVAPORATOR, PROBE SONICATOR etc, Apart from the central instrumentation center all departments have a separate specialized equipments to carry out the day to day research activities in academic and R&D level.








SOPHISTICATED INSTRUMENT FACILITY  
MODERN ANALYTICAL INSTRUMENTS

Instrument	Details	TEST PERFORMED
<b>SCHIMADZU LC10 HPLC</b>		<ol style="list-style-type: none"><li>1. Qualitative and Quantitative analysis of drugs</li><li>2. Separation of active plant constituents.</li><li>3. Isolation of drugs and its metabolites from biological fluids</li></ol>
<b>PERKIN ELMER FTIR SPECTRUM 100</b>		<ol style="list-style-type: none"><li>1. Identification of crude organic molecules.</li><li>2. Determination of compatibility studies.</li><li>3. Evaluation of stability studies.</li><li>4. Structural analysis of drugs and natural compounds</li></ol>
<b>BRUKER ALPHA II FTIR</b>		<ol style="list-style-type: none"><li>1. Identification of crude organic molecules.</li><li>2. Determination of compatibility studies.</li><li>3. Evaluation of stability studies.</li><li>4. Structural analysis of drugs and natural compounds</li></ol>
<b>SCHIMADZU 1601 UV-Visible Double Beam Spectrophotometer</b>		<ol style="list-style-type: none"><li>1. Qualitative and Quantitative analysis of drugs</li><li>2. Identification of crude organic molecules.</li><li>3. Determination of compatibility studies.</li><li>4. Evaluation of stability studies.</li><li>5. Structural analysis of drugs and natural compounds</li></ol>
<b>SYSTRONICS UV-Visible Double Beam Spectrophotometer</b>		<ol style="list-style-type: none"><li>1. Qualitative and Quantitative analysis of drugs</li><li>2. Identification of crude organic molecules.</li><li>3. Determination of compatibility studies.</li><li>4. Evaluation of stability studies.</li><li>5. Hormone and enzyme analysis</li></ol>







SOPHISTICATED INSTRUMENT FACILITY  
MODERN ANALYTICAL INSTRUMENTS

INSTRUMENT	DETAILS	TEST PERFORMED
<b>ERWEKA ALL PURPOSE INSTRUMENT- PELLETISER</b>		<ol style="list-style-type: none"><li>1. Formulation of drug loaded pellets</li><li>2. Formulation of herbal drugs</li><li>3. Formulation of siddha formulation as pellets</li><li>4. Formulation of ayurvedic formulation as pellets</li></ol>
<b>ERWEKA ALL PURPOSE INSTRUMENT- GRANULATOR</b>		<ol style="list-style-type: none"><li>1. Formulation of drug loaded granules pellets</li><li>2. Formulation of herbal drugs</li><li>3. Formulation of siddha formulation as pellets</li><li>4. Formulation of ayurvedic formulation as pellets</li></ol>
<b>BROOKFIELD DIGITAL VISCOMETER</b>		<ol style="list-style-type: none"><li>1. Determination of viscosity of oils</li><li>2. Formulation of herbal drugs</li><li>3. Formulation of siddha formulation as pellets</li><li>4. Formulation of ayurvedic formulation as pellets</li></ol>
<b>LYOPHILISER/FREEZE DRYER / FREEZE DRYER</b>		<ol style="list-style-type: none"><li>1. Freeze drying of aqueous sample (<math>&gt; 40^{\circ}\text{C}</math>)</li><li>2. To lyophilise bacteria strains</li><li>3. To lyophilise biological fluids like plasma and its components</li></ol>
<b>HUMIDITY CHAMBER</b>		<ol style="list-style-type: none"><li>1. Accelerated drug stability studies for the Allopathic, Ayurvedic, Siddha and Homeopathic dosage forms.</li><li>2. To determine the shelf life and half life of the dosage forms</li></ol>



SOPHISTICATED INSTRUMENT FACILITY  
MODERN ANALYTICAL INSTRUMENTS

Instrument	Details	Test Performed
<b>ELECTROLAB DISSOLUTION TEST APPARATUS</b>	 A white and blue dissolution test apparatus with six glass vessels and a control panel on top.	Simulated Drug release kinetics studies for solid dosage forms of Accelerated drug stability studies for the Allopathic, Ayurvedic, Siddha and Homeopathic dosage forms <b>can be undertaken</b>
<b>ROTARY EVAPORATOR</b>	 A rotary evaporator with a glass flask, a condenser, and a collection flask, mounted on a motorized base.	Drying of isolated compounds and crude drugs of Accelerated drug stability studies for the Allopathic, Ayurvedic, Siddha and Homeopathic dosage forms.
<b>PROBE SONICATOR</b>	 A probe sonicator consisting of a control unit and a probe in a beaker containing a blue liquid.	Size reduction for formulation of dosage forms and extraction of crude drugs of natural organic compounds of Accelerated drug stability studies for the Allopathic, Ayurvedic, Siddha and Homeopathic dosage forms.
<b>THIN LAYER CHROMATOGRAPHY UV CABINET</b>	 A thin layer chromatography UV cabinet with a white top and a blue base, containing a tray with TLC plates.	<ol style="list-style-type: none"><li>1. To identify the organic compounds after TLC development.</li><li>2. Qualitative analysis of natural and synthetic components</li></ol>
<b>Semiauto Biochemical Analyser</b>	 A semiauto biochemical analyser with a control panel and a sample compartment.	<ol style="list-style-type: none"><li>1. Qualitative and Quantitative analysis of drugs, Enzymes and Hormones in the blood, plasma can be determined.</li><li>2. Pharmacological screening studies can be undertaken</li></ol>



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**VMCP-CSCTC**



**SAMPLE TESTING CHARGES**

S.No	Instrument	Details	Charges	Industry	Research Scholar	Students
				Rs.		
1.	HPLC	Method data required	/ Injectn.	1500	1000	750
2.	HPLC Method development	Mobile phase Solvent charges extra	/Sample	10000	5000	3000
3.	FTIR ( T-FTIR/ ATR-FTIR)	Solid samples preparation additional charges Rs.250	Solid	250	150	100
			Liquid	500	300	300
4.	UV-VIS SPECTROPHOTOMER	All samples except dyes	/Sample	150	100	50
5.	FLAME PHOTOMETER	Inorganic metal analysis	/Sample	100	75	50
6.	SEMI-AUTO BIOCHEMICAL ANALYSER	Glucose	/Sample	500	300	200
		Cholesterol	/Sample	500	300	200
		SGOT/SGPT	/Sample	500	300	200
7.	FREEZE DRYER	Aqueous samples only	/Sample	900 for 1 <sup>st</sup> hour and 100 every hour	600 for 1 <sup>st</sup> hour and 100 every hour	500 for 1 <sup>st</sup> hour and 50 every hour
8.	DIGITAL VISCOMETER	Sample volume = 500ml	/Sample	600	450	300
	PHOTOFLUORIMETER	Inorganic metal samples only	/Sample	150	100	50
9.	HUMIDITY CHAMBER	Non corrosive substances only	/Sample	600 for 1 <sup>st</sup> hour and 100 every hour	400 for 1 <sup>st</sup> hour and 100 every hour	200 for 1 <sup>st</sup> hour and 100 every hour
10.	PELLETISER	Sample handling additional charges Rs.200	/Formn	2000	1500	1000
11.	GRANULATOR	Sample handling additional charges Rs.200	/Formn	2000	1500	1000
12.	DISSOLUTION TEST APPARATUS	Sample handling additional charges Rs.200	/Formn.	1500	1000	1000
13.	ROTARY EVAPORATOR		/ sample	1500	1000	1000
14.	PROBE ULTRASONICATOR	Size reduction and extraction	/sample /hour	500	300	200
15.	TLC development and UV detection	Method data required	/ Sample plate	200	100	100

Note:

Total no of test samples	Special discount from actual testing charges
20	15%
10	10%
5	5%



**VINAYAKA MISSIONS COLLEGE OF PHARMACY,**  
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**CONSULTANCY SERVICES CELL & TESTING CENTRE (VMCP CSCTC)**



**SAMPLE TEST REQUEST FORM**

Name of the Contact Person :			
Designation :			
Institution / Industry Address:	Mobile No:		
e-mail :		Signature of the contact person:	
Date of Sample sent:		PO. No	

**Sample Details**

Sl.No	Sample Name	Parameters to be tested	Total no. of sample	Total charges
			x	
			x	
			x	
			x	
			x	
			x	
			x	
			x	
			x	
<b>Grand Total</b>				

\*Write in all tests or compounds to be tested for or attach a separate sheet with the information.

**Name of the Project :**

Total No. of Samples		Turn time	
Protocol for test parameters	*Attach the protocol in MS word format		
Sample Condition	Solid	Liquid	If others specify:
Specify Report delivery Mode	Online / Post ( Charges extra)		

**Person In charge**

Name	Designation	Contact Number	Signature
Dr. M. Kumar	Professor & Head, Dept. of Pharm. Chemistry	8072397755	
Mr. M. Saravanan	Research Scholar	8870573973	

**Bank Details**

Draw DD/Cheque or pay through NEFT/ RTGS in the name of	Vinayaka Mission's College of Pharmacy, Salem-08
Name of the bank	State Bank of India
IFSC code	SBIN0020941
Bank Account Number	00000010282984021

**Contact Details**

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