



**VINAYAKA MISSION'S  
RESEARCH FOUNDATION**  
Deemed to be University under section 3 of the UGC Act 1956



**VINAYAKA MISSION'S  
KIRUPANANDA VARIYAR  
MEDICAL COLLEGE & HOSPITALS**

## **VINAYAKA MISSION'S KIRUPANANDA VARIYAR MEDICAL COLLEGE & HOSPITALS, SALEM.**

A constituent college of Vinayaka Mission's Research Foundation, (Deemed to be University), Salem – 636308

# **CONSULTANCY BROCHURE**

## **VINAYAKA MISSION'S KIRUPANANDA VARIYAR MEDICAL COLLEGE & HOSPITALS, SALEM**



### **College Contact Details**

**Contact number – 0427 – 3500803**

**E-Mail ID - dean.vmkvmc@vmu.edu.in**

### **Consultancy Co-ordinator Contact Details**

**Contact number – 9894398677**

**E-Mail ID – rc.vmkvmc@vmu.edu.in**

Central Research Laboratory for Biomedical Research

## Targeted Audience:

- ❖ Faculty of Medicine
  - ❖ Faculty of Homeopathy
  - ❖ Faculty of Dentistry
  - ❖ Faculty of Pharmacy
  - ❖ Faculty of Physiotherapy
  - ❖ Faculty of Nursing
  - ❖ Faculty of Allied Health Sciences
  - ❖ Faculty of Engineering
  - ❖ Faculty of Science
- Under Graduate
  - Post Graduate
  - Ph.D Scholar

## Consultancy:

S. No.	Laboratory	Consultancy Provided
1.	Antimicrobial Resistance Study Laboratory	Bacterial Culture & Fungal Culture, Antimicrobial Activity, Staining Procedure.
2.	Cytopathology Laboratory	Histopathology Slides Preparation & Staining.
3.	ANS & Biopotential Laboratory	Lung Function Test, Peak Expiratory Volume, Nerve Conduction, EMG.
4.	Molecular & Metabolic Laboratory	<b>Liver Function Tests (LFT):</b> Total Protein, Albumin, SGOT, SGPT, Total Bilirubin, Direct Bilirubin, Alkaline Phosphate, Gamma GlutamylTransferase (GGT). <b>Lipid Profile Tests (LPT):</b> Total Cholesterol, Triglycerides, HDL Cholesterol, LDL Cholesterol. Blood Glucose, Urea, Creatinine, Uric Acid, Calcium, Phosphorous, Magnesium, Serum Amylase, LDH.
5.	Cytogenetics Laboratory	Karyotyping, DNA Extraction, Comet Assay.
6.	Herbal Research Laboratory	Herbal Extraction

## CRL Contact Details

**Dr. B. Senthil Kumar,**

Head - CRL, Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

**Contact number** -9894398677

**E-Mail ID** - [vmkvme.crl@gmail.com](mailto:vmkvme.crl@gmail.com)

## CRL Profoma for Investigation

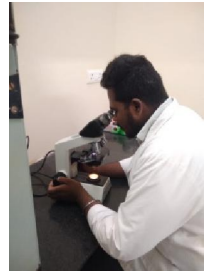
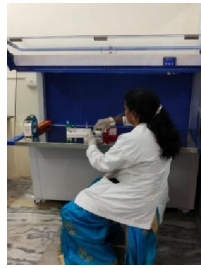
Name of the Department	
Name of the Principal Investigator	
Name of the Co-investigator	
Title of the project	
Study Period	
Ethical Clearance Certificate Reference number	
CRL Equipment utilization details	
Number of investigations required in CRL	
Number of blood samples for each investigation	
Any special investigation required	
Consumables Details	
Budget of the project	

Investigator

Head of the Department

Head of the Institution

Committee	Signature	Remarks (If any)
Head - CRL		
Dean (VMKVMCH)		



Laminar Air Flow Chamber

Microscope



Semi Auto Analyzer

Real Time PCR



-20°C Deep Freezer



UV Spectrophotometer



ELISA Reader



Fluorescence Microscope



Thermal Cycler



Gel Electrophoresis

## Introduction

Virology Laboratory at Vinayaka Mission's Kirupananda Variyar Medical College (VMKVMC) serves as a hub for advanced diagnostic and research services, offering expertise in the detection, quantification, and characterization of viral pathogens. Equipped with cutting-edge instruments like RT-PCR analyzers, biosafety cabinets, and genomic tools, the laboratory ensures accurate and reliable results for clinical diagnosis, outbreak investigations, and public health studies. Our consultancy services support healthcare professionals and researchers through advanced molecular and serological techniques, fostering timely and precise reporting to guide treatment and interventions. Committed to excellence, the laboratory contributes to medical education, research, and improved healthcare delivery in Tamil Nadu and beyond.

S. No.	Laboratory	Consultancy Provided
1.	Virology	<ul style="list-style-type: none"><li>• RT-PCR</li><li>• Viral Load Quantification</li><li>• Virus Isolation</li><li>• Genomic Sequencing</li><li>• Viral Culture</li><li>• Viral RNA/DNA Extraction</li></ul>

## Virology Contact Details

**Dr. S. Mathavi,**

Professor & Head, Department of Microbiology, Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

**Contact number –9600251333**

**E-Mail ID- [drmathavimicro@gmail.com](mailto:drmathavimicro@gmail.com)**

## Introduction

### **Histopathology Laboratory Consultancy at Vinayaka Mission's Kirupananda Variyar Medical College**

The Histopathology Laboratory at Vinayaka Mission's Kirupananda Variyar Medical College (VMKVMC) provides advanced diagnostic and consultancy services, specializing in the microscopic evaluation of tissues for disease diagnosis. Equipped with state-of-the-art instruments like automated tissue processors, microtomes, and staining systems, the laboratory offers routine histological analysis, special stains, immunohistochemistry, and frozen section diagnostics. Staffed by skilled pathologists, the laboratory ensures accurate and detailed reporting, aiding in the diagnosis of cancer, inflammatory disorders, and infections. Committed to quality and precision, the laboratory supports clinicians, researchers, and medical education while contributing to improved patient care and scientific advancements.

- Routine Histopathological Examination
- Special Staining Techniques
- Immunohistochemistry (IHC)
- Frozen Section Analysis
- Cytopathology
- Histochemical Analysis
- Molecular Pathology
- Tumor Grading and Staging
- Infectious Disease Diagnosis
- Biopsy Examination
- Liver Biopsy Analysis
- Kidney Biopsy Analysis
- Neuropathological Examination
- Postmortem Histopathology
- Endometrial Biopsy Analysis
- Cervical Biopsy Analysis
- Lymph Node Pathology

## Pathology Contact Details

**Dr. R. ThamilSelvi,**

Professor & Head, Department of Pathology, Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

**Contact number –9842744313**

**E-Mail ID- [drselvipathology@gmail.com](mailto:drselvipathology@gmail.com)**

# PROSTHETICS, ORTHOTICS AND FOOT WEAR

## Introduction

The Artificial Limb Centre (ALC) was established at Vinayaka Mission's Kirupananda Variyar Medical College and Hospitals, Salem in 1995 under the patronage of the Founder Chancellor of VMRF (DU), Dr. A. Shanmugasundaram, to provide yeoman service to the People with Disabilities (PwD) in and around Salem district. This centre is a first of its kind among private medical colleges in Tamilnadu started with the primary objective of meeting the prosthetic and orthotic requirements of differently abled persons.

The ALC provides services to the PwD under the direction of Department of Orthopaedics with 8 consultants and 18 Junior Residents under the supervision of Dean & Medical Superintendent. A 70 bedded ward is exclusively provided for Orthopaedics department out of 120 beds in Surgery and allied disciplines out of the total 740 beds in the Post graduate teaching institution aligned with the vision of being of service to the community at large. The centre has well trained technicians, experts in fabricating calipers, braces and splints to provide for patients in the centre.

## Special Features and Products of Artificial Limb Centre



Foot Prosthesis SACH



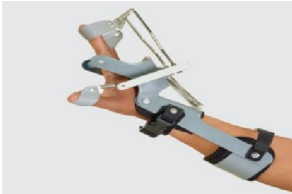
Above Knee Prosthetics



Jaipur Foot Static Cock Up Splint



Below Knee Prosthetics Dynamic Cock Up Splint



Foot Drop Splint Crutches, Canes & Cushions





Long Knee Brace



Tailors Brace



Dennis Brown Splint



Calipers MCR Slippers

**Heel Pain**



15 mm Heel

## Tie Up with Hospitals

- ❖ Bhavani Hospital
- ❖ Annai Hospital
- ❖ Neuro Foundation
- ❖ Indian Cospeli Leprosy Hospital
- ❖ Ecomed Orthopaedic Hospital
- ❖ St Joseph Hospital
- ❖ London Ortho Hospital
- ❖ Saint Marys Hospital

## Consultancy Services

- All the products supplied to the above hospitals at concessional rates for the benefit of the patients and people with disabilities.
- Expert opinion given by specialists as part of the consultancy service.

## Contact Details

**Dr. HariSivanandan M**

Professor, Department of Orthopedics, Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

**Contact Number -9790449375**

**Dr. Soundararajan K**

Professor, Department of Orthopedics, Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

**Contact Number -9894814111**

**Mr. D. Savariappan,**

ALC In-Charge, Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

**Contact Number – 9486198226**



# BIOMEDICAL INSTRUMENTATION TRAINING

## Targeted Audience:

- ❖ Faculty of Engineering
  - ❖ Faculty of Medicine
  - ❖ Faculty of Homeopathy
  - ❖ Faculty of Dentistry
  - ❖ Faculty of Pharmacy
  - ❖ Faculty of Physiotherapy
  - ❖ Faculty of Nursing
  - ❖ Faculty of Allied Health Sciences
- Under Graduate  
➤ Post Graduate  
➤ Ph.D Scholar

## Consultancy

S. No.	Department	Instrument Training Provided
2.	Radiology	MRI-Magnetic Resonance Imaging, CT-Computed Tomography, MRI & CT Printer, X-Ray, X-Ray Printer, Mobile X-Ray Ultrasound
3.	OT complex	ENT-Operating Microscopy, Ophthal Operating Microscopy, Laparoscopy Unit, C-ARM, OT Table, OT Light, Anesthesia Workstation, Surgical Diathermy, Patient Monitor
4.	ICU Equipments	HFNC, Defibrillator, Neonatal Ventilator, Mobile Ultrasound, O <sub>2</sub> -Blender, Ventilator, Patient Monitor, Oxygen Concentrator, MobileSuction Machine, Baby Incubator, Baby Phototherapy, Baby Warmer, Infusion Pump, Syringe Pump, Dialysis Machine
5.	Hospital Laboratory	Cryostat Machine, Fully Automated Analyzer, Automated Hematology Analyzer, ABG Machine, Microbiology Analyzer, Elisa Washer, Elisa Reader, Photometer, Microscope, Incubator, Centrifuge, Biosafety Cabinet, Easylyte Analyzer
6.	Cardiology OP	Echo Machine, Treadmill
7.	Ophthalmology OP	Slit Lamp, Optical Coherence Tomography, Refraction Unit
8.	Skin OP	Intense Pulsed Light Laser, Yag Laser, Electrocautery
9.	CSSD & CGSD	Horizontal Autoclave, Vertical Autoclave, ETO Sterilization, Oxygen Generator Plant, Liquid Oxygen Tank, Oxygen Emergency Backup, Medical Vacuum System
10.	Central Research Laboratory	Semi-Auto Analyser, Gel Electrophoresis, Spectrophotometer, Thermal Cycler, ELIZA Reader, Fluorescence Microscope, Centrifuge, Colorimeter, Incubator, Laminar Air Flow Chamber.

## Biomedical Contact Details

**Mr. M. Mathesh,**

Biomedical Engineer, Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

**Contact number – 8015446432**

**E-Mail ID – [bmevmkvmch@gmail.com](mailto:bmevmkvmch@gmail.com)**



MRI-Magnetic Resonance Imaging



CT-Computed Tomography



X-Ray



ENT-Operating Microscopy



Ophthal Operating Microscopy



Laparoscopy Unit



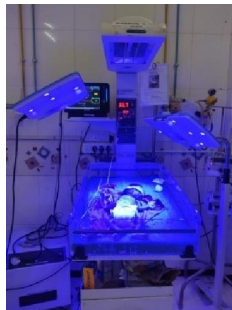
Anesthesia Workstation



Defibrillator



Neonatal Ventilator



Baby Phototherapy



Dialysis Machine



Cryostat Machine



Fully Automated Analyzer



ELISA Reader



Biosafety Cabinet



Echo Machine



Fundus Fluorescein Angiography



Autorefractometer



Optical Coherence Tomography



Yag Laser



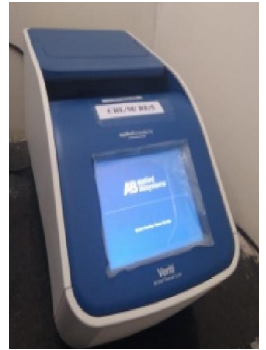
Electrocautery



Oxygen Generator Plant



Fluorescence Microscope



Thermal Cycler



UV Spectrophotometer



Semi-Auto Analyser