



## **Criterion III**

### **Research, Innovation and Extension**



#### **3.5.1**

#### **List of Facilities and Consultants**



## **List of Facilities & Consultants**

- 1. Types of Consultancies**
- 2. Facilities for Consultancy**
- 3. List of Consultants**



## **Types of Consultancies**

1. Individual consultancy
2. M.Sc./M.Phil. project consultancy
3. Training in corporate sector
4. Consultancy extended to local governance
5. Consultancy in areas like accreditation, extension, research and e-content development.
6. Consultancy in swimming training & fitness training

**\*Details of consultancy, consultancy policy and consultancy forms are available in the college website**



## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### Facilities for Consultancy

#### 1. Laboratory Facilities

The research facilities are available in all research centres. A DST FIST lab with a number of analytical instruments for science departments. Apart from well-equipped research centres, post graduate departments also has facilities which help the students to do PG projects in the departments.

#### DST FIST LAB & FACILITIES FOR MATERIAL ANALYSIS





## VIMALA COLLEGE (AUTONOMOUS), THRISSUR



10. Hot Air Oven



Made: Pyrodevices  
Controller: Eurotherm  
Temperature: room to 200 °C  
Status: Working

11. Magnetic stirrer with Temperature Control



Made: IKA RM basic 1  
Temperature: room to 100 °C  
Status: Working



Made: Kadavil electromechanical industries  
RPM: 3800 rpm  
Status: Working

13. Distillation Unit



Made: Lab-Sil industries  
Watts: 1.5 kW  
Status: Working

14. Ultrasonic Bath

### 1. Fourier Transform Infrared Spectrophotometer - IR Spirit



Made: Shimadzu

Measuring Range: 400 to 4000  $\text{cm}^{-1}$

Method: KBr Pellet

Sample type: Powder

Status: Working



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### 2. LCR Meter - IM3536



Made: Hioki

Measuring Range: DC, 4 Hz to 8 MHz

Measurement Parameters: Z, Y,  $\theta$ , X, G, B, Q, Rdc, Rs, Rp, Ls, Lp, Cs, Cp, D (tan $\delta$ ),  $\sigma$ ,  $\epsilon$

Sample type: Pellet

Status: Working

### 4. Spectrophotometer - UV2600 with DRS



Made: Shimadzu

Photometric System: Double-Beam Optics

Measuring wavelength: 190 nm to 900 nm

Sample type: Powder, Liquid

Status: Working

### 3. Spectrofluorophotometer - RF5301PC



Made: Shimadzu

Light source: 150 W Xenon lamp

Measuring wavelength: 220 to 750 nm

Sample type: Powder, Liquid

Status: Working



## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### 6. Vacuum Coating Unit - IVP128C



Made: Indian High Vacuum Pumps

Current:

Vaccum:

Status: Working

### 7. High Temperature Furnace



Made: Eurotherm

Controller: PLD

Temperature: room to 1300 °C

Status: Working

### 9. Dip Coating Unit



Made: Prompt Engineering works

Dip velocity: 1-600 mm/min

Status: Working

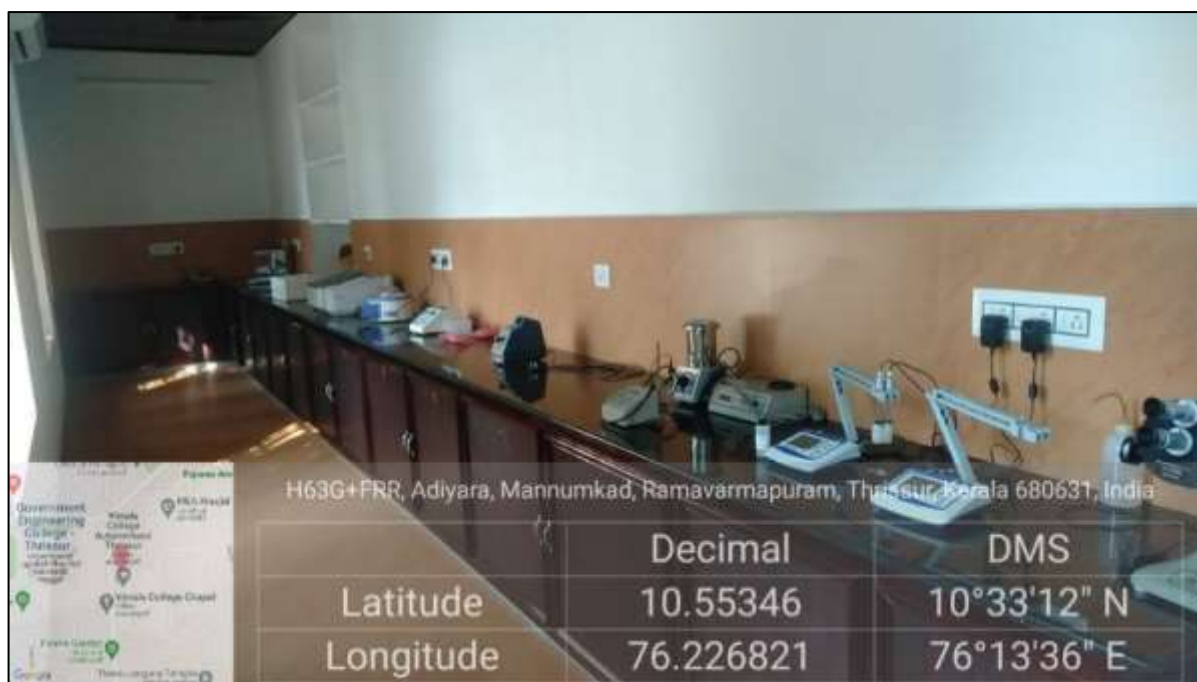


## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### PHYSICS RESEARCH LAB



### CHEMISTRY INSTRUMENTATION ROOM



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### BOTANY LAB



### ZOOLOGY LAB



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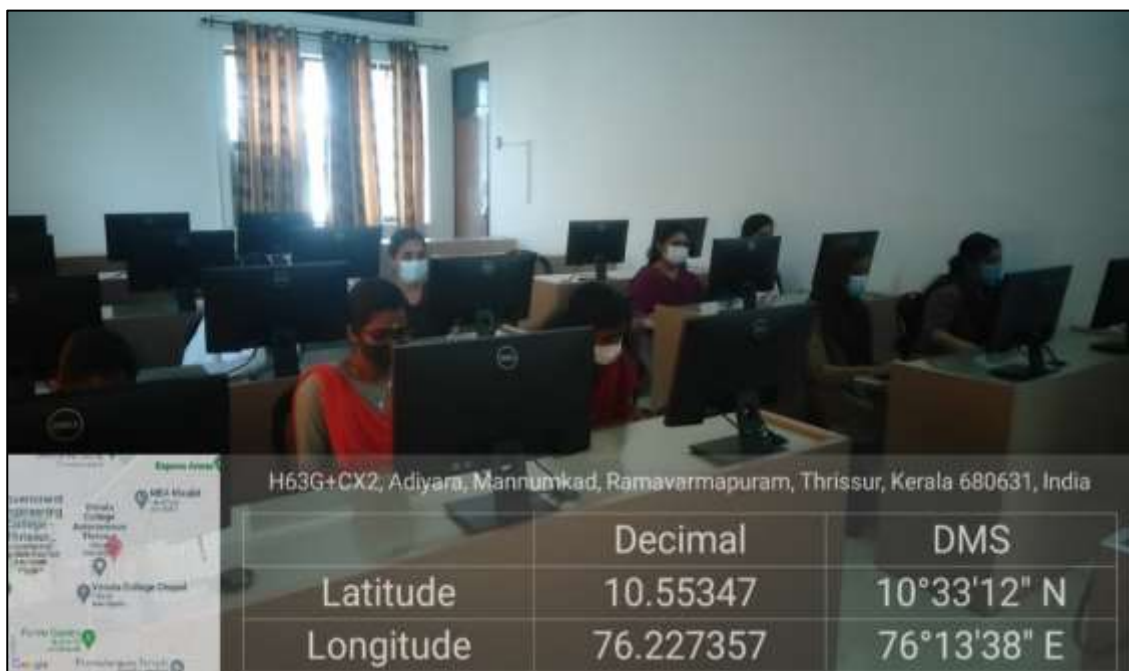


## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### HOME SCIENCE LAB



### STATISTICS LAB



*Assessment Period (2016 - 2021)*



# VIMALA COLLEGE (AUTONOMOUS), THRISSUR

## MEDIA LAB



## COMPUTER LAB



*Assessment Period (2016 - 2021)*



## **2. Library Facilities**

### **INFLIBNET HUB**



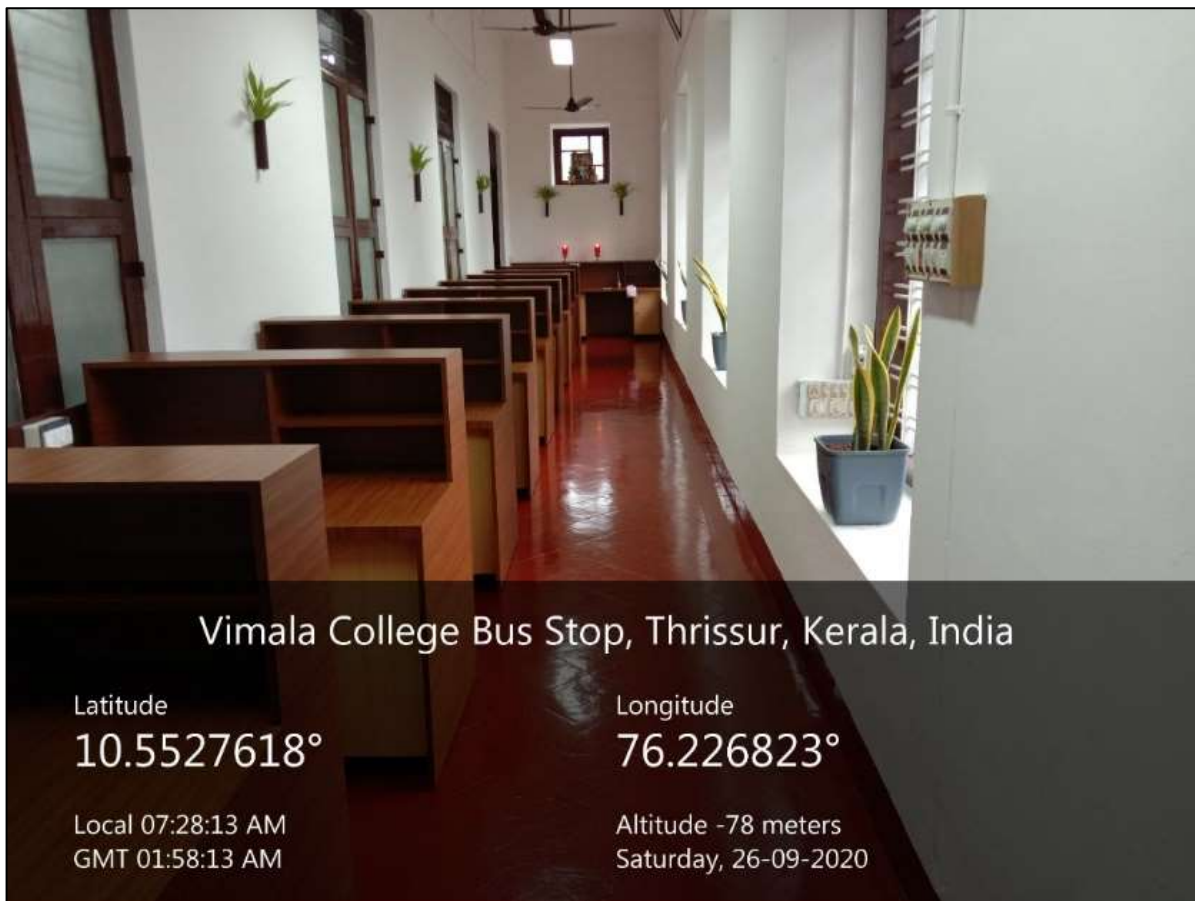
### **DIGITAL LIBRARY**





## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### RESEARCH HUB AT LIBRARY



Vimala College Bus Stop, Thrissur, Kerala, India

Latitude

10.5527618°

Longitude

76.226823°

Local 07:28:13 AM

GMT 01:58:13 AM

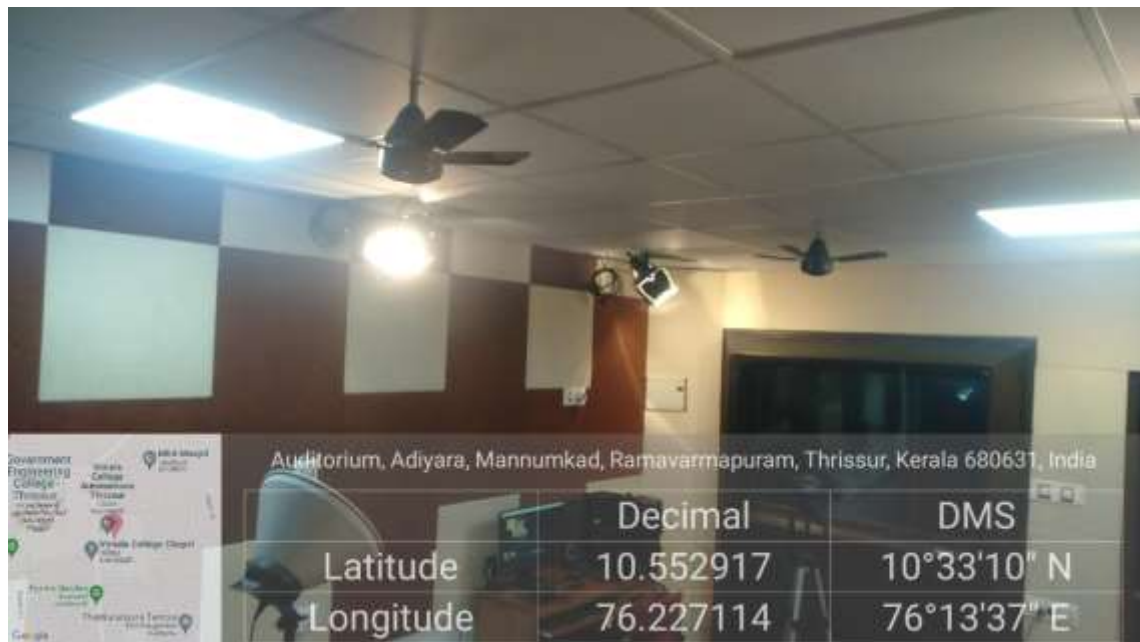
Altitude -78 meters

Saturday, 26-09-2020

*Assessment Period (2016 - 2021)*



### 3. Lecture Capturing System

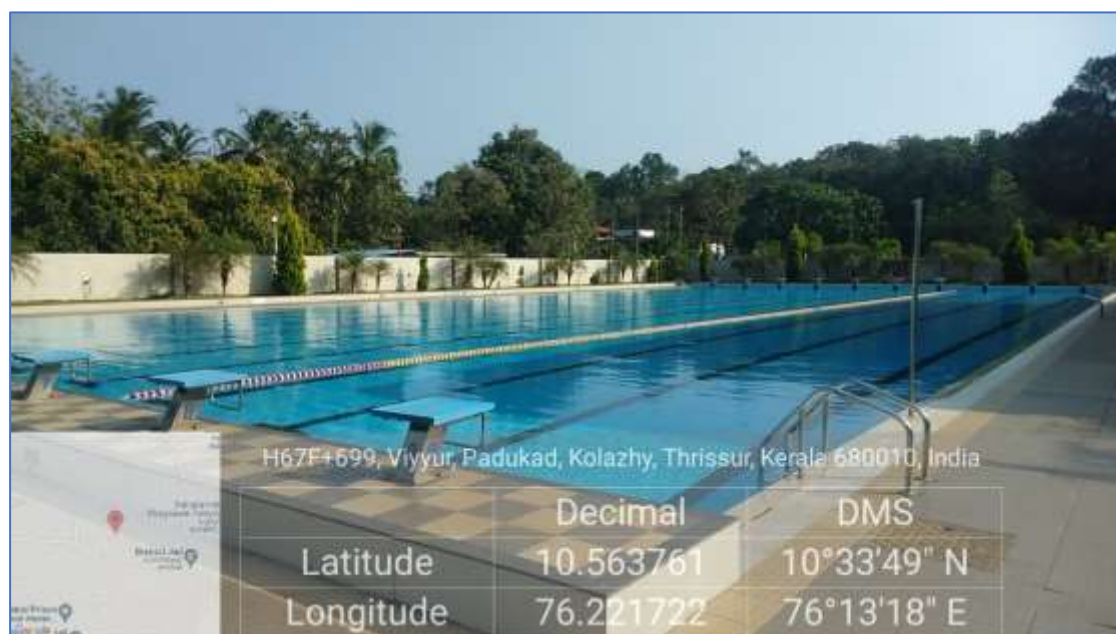




## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### 4. Vimala College International Aquatics Academy

Vimala Aquatic academy provides training in swimming for public. Training staff and necessary facilities are provided in the swimming pool. The swimming pools are also available for conducting swimming competitions.



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# VIMALA COLLEGE (AUTONOMOUS), THRISSUR

## List of Consultants

Name of the Faculty	Department	Qualification	General Areas of Expertise in which you can provide Consultancy	Specific Area of Expertise in which you can provide Consultancy
Dr. Salini K.	Commerce	M Com, MBA, PhD.	Research in Commerce and related areas, Time management, Finance and Accounting, Management	<ul style="list-style-type: none"> <li>➤ Research in Commerce and related areas,</li> <li>➤ Time management,</li> <li>➤ Finance and Accounting</li> </ul>
Dr Jaya Cherian	Social Work	MSW, PhD.	Social Work and Community Development	<ul style="list-style-type: none"> <li>➤ Gender related themes</li> </ul>
Divya C D	English	M A, BEd	Communication Skills in English	<ul style="list-style-type: none"> <li>➤ English Grammar &amp; usage, Literature &amp; Linguistics</li> <li>➤ Film Studies</li> </ul>
Dr Anjaly Kishore	Mathematics	PhD, NET (JRF)	Pure and applied mathematics. Research Methodology.	<ul style="list-style-type: none"> <li>➤ Graph theory</li> <li>➤ Analysis and Discrete mathematics</li> </ul>
Sharon Jose	English	MA, BEd	English	<ul style="list-style-type: none"> <li>➤ English language and literature</li> </ul>
Dr Sheeja T Tharakan	Botany	PhD	Biochemistry, Pharmacology and Pharmacognosy	<ul style="list-style-type: none"> <li>➤ Animal studies</li> <li>➤ Phytochemistry</li> <li>➤ Pharmacognosy</li> </ul>
Suparna M G	Home Science	MSc, NET	Career Guidance, Counselling	<ul style="list-style-type: none"> <li>➤ Textiles</li> </ul>
Dr BINDU K JOSE	Zoology	PhD, PDF	Pest control, management of invasive species, conservation	<ul style="list-style-type: none"> <li>➤ Pest Control</li> <li>➤ Insect rearing diet development</li> <li>➤ Identification of insects mainly lepidoptera</li> <li>➤ Development of butterfly park and biodiversity park</li> </ul>
Dr Dhanya Johnson	Physics	PhD	Material Science	<ul style="list-style-type: none"> <li>➤ Microwave ceramics</li> <li>➤ LTCC, ULTCC</li> </ul>
Dr Silvy Mathew	Botany	PhD	Phytochemical and Nanotechnology studies	<ul style="list-style-type: none"> <li>➤ Biological activity studies</li> <li>➤ Plant identification</li> <li>➤ Plant tissue culture studies</li> </ul>
Dr Lakshmi C M	English	MA, MPhil, PhD.	English, Spirituality	<ul style="list-style-type: none"> <li>➤ Communication Skills in English (teaching grammar through songs)</li> </ul>

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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

				➤ Meditation
Jincy T P	Mathematics	MSc, BEd	Mathematics	➤ Differential Equations ➤ Number Theory ➤ Vector Spaces
Dr Binu.K	Sociology	MA, MPhil, PGDRD, PhD. NET, SET, SRF(ICAR)	Social research. social impact studies, social developments	➤ Social research. ➤ social impact studies, ➤ social developments ➤ Motivational Talks
Dr Treesa T Pulickal	Social Work	MSW, M. Phil, PhD	Mental Health	➤ Mental Health
Ms Mony George	Home Science	MSc	Food and Nutrition	➤ Food and Nutrition
Dr Jancy K A	Malayalam	PhD	Spiritual counselling	➤ Spiritual counseling
Lims Thomas	Social Work	MSW	Mental Health	➤ Manpower Training ➤ Project development and Writing ➤ Training on Adolescent Health
Dr Vimala M	Economics	MA, MPhil, PhD, NET	Econometrics	➤ Econometrics
Dr Harish Jose	English	PhD	English literature	➤ English literature
Dr Srilakshmi P Bhaskar	Chemistry	MSc, PhD	Nanomaterials	➤ Nanomaterials
Dr Sinto P Anto	Psychology	MSc, PhD	Counselling, research	➤ Counselling ➤ Research
Sr Divya C V	English	MA	Translation	➤ Translation
Dr V Shinju	Sociology	MA, PhD	Research methods and statistics, Life skills, Gender counselling	➤ Research methods and statistics ➤ Life skills ➤ Gender counseling
Ann Maria Jose C	English	M A	Translation	➤ Translation
Dr Nisha Francis.O	Malayalam	MA, PhD, NET	Folkloristics, Malayalam Grammar and Malayalam poetry	➤ Folkloristics ➤ Malayalam Grammar ➤ Malayalam poetry
Amaldev P J	English	MPhil	Translation, Self-Publishing, Creative Writing	➤ Translation ➤ Self-Publishing, ➤ Creative Writing
Dr Vanaja Vs	Sanskrit	PhD	Sanskrit Language and Literature	➤ Sanskrit Language and Literature
Maya Davi Chalissery	English	MA	Communication Skills, Public Speaking, Soft Skills	➤ Phonetics ➤ Linguistics ➤ Translation ➤ Document Editing
Sareena Rose	Computer Science	MSc MPhil	Data Science	➤ Machine learning

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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

Navya Poly	Commerce	MCom, NET	Individual consultancy	➤ Individual consultancy
Dr Mallika A Nair	English	MA, PhD	Research, Translation, Interdisciplinary projects.	➤ Research ➤ Projects ➤ Translation
Dr Prathibha P	English	MA, NET JRF, PhD	English Language Teaching (ELT), Soft Skills Training, Research Writing, Indian Writing in English	➤ Methods of Teaching English, English Language and Technology, ➤ Communication Skills, ➤ Developing Research Language, Amitav Ghosh and Subaltern Studies
Dr Petrisia Joseph	Zoology	MSc, BEd, PhD	Fish farming and poultry	➤ Poultry
Dr Jiji Abraham	Chemistry	PhD	Material Chemistry	➤ Nanochemistry
Dr Nancy Mathew	Chemistry	PhD	Inorganic chemistry	➤ Analysis of coordination compounds
Dr Jovia Jose	Physics	MSc, PhD	Metamaterial	➤ Metamaterial
Dr Sheeba P	Zoology	MSc, PhD	Marine Biology	➤ Benthic Ecology
Dr Sr Beena Jose	Chemistry	MSc, Ph.D.	Phytochemistry Nano Chemistry	➤ Spectroscopy ➤ Column Chromatography ➤ Green synthesis
Dr Manju Madhavan	Botany	MSc, PhD	Plant Tissue Culture	➤ Phytochemistry,
Smitha P.S	Botany	MSc, NET	Plant Anatomy, Histochemistry, Phytochemical analysis, Molecular Systematics	➤ Anatomical and Histochemical analysis
Dr Jayalakshmi M	Botany	PhD	Reproductive biology of plants	➤ Pollination biology of plants
Dr Nimmy Kuriakose	Chemistry	MSc, PhD, BEd	Inorganic chemistry	➤ Schiff Base Complexes
Dr Aneesh George	Physics	PhD	Physics	➤ Nanoscience ➤ Dielectrics
Dr Thomas Ruby Mariamma	Home Science	PhD	Textiles, Interior decoration	➤ Textile testing ➤ Residential space design ➤ Decoration
Dr Binu Ann Kuriachan	Economics	PhD	Economics	➤ Industrial economics
Dr Anu P P	Malayalam	PhD	film Studies, Women Studies, Media Studies, Cultural Studies	➤ Film Studies ➤ Media Studies

*Assessment Period (2016 - 2021)*



## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

Dr Nisha Francis Alapatt	English	MA, PhD	Language Lab, Foreign languages (French, German)	<ul style="list-style-type: none"> <li>➤ Language Lab</li> <li>➤ Foreign languages (French, German)</li> </ul>
Dr Malini K A	Physics	MSc, PhD	Material Science	<ul style="list-style-type: none"> <li>➤ Nanomagnetic materials</li> <li>➤ Nanocomposites</li> <li>➤ Multiferroic Materials</li> <li>➤ Thermistor materials</li> <li>➤ Material Analysis Techniques</li> </ul>
Dr Veena Gopalan E	Physics	MSc, PhD	Material Science	<ul style="list-style-type: none"> <li>➤ Nanomaterials</li> <li>➤ Material Analysis Techniques</li> </ul>
Dr Mini Krishna K	Physics	MSc, PhD	Material Science	<ul style="list-style-type: none"> <li>➤ Luminescent Materials</li> <li>➤ Material Analysis Techniques</li> </ul>
Dr Jerin Paul	Statistics	MSc, PhD	Statistics	<ul style="list-style-type: none"> <li>➤ Statistical Data Analysis</li> <li>➤ Ordered Random Variables</li> </ul>