The seed for the School of Physics of Madurai Kamaraj University was sown with the establishment of the Department of Physics in the post graduate extension centre of the University of Madras in 1962. This department was elevated to School of Physics in 1976. The school upholds great ideals and objectives. Academic programmes is in line with the university's best goals and curricula. The school is striving to be at the forefront of higher education and research in Physics. To add lustre to the golden phases of its history, recently School of Physics was awarded with the DSA programme.

**The Thrust area of Research is Condensed Matter Physics**

**Special Assistance:** Received Rs. 478 Lakhs including individual Project
### PROFILE OF THE FACULTY

<table>
<thead>
<tr>
<th>Name and Designation</th>
<th>Photo</th>
<th>Specialization</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dr. V. Vasu</strong>&lt;br&gt;Chairperson i/c&lt;br&gt;Associate Professor and Head&lt;br&gt;Department of Computational Physics&lt;br&gt;<a href="mailto:vasumku@gmail.com">vasumku@gmail.com</a>&lt;br&gt;Mobile: 9443796898</td>
<td></td>
<td>Thin films, Semiconductor Devices, Nanomaterials and nanotechnology</td>
</tr>
<tr>
<td><strong>Dr. Sujin P Jose</strong>&lt;br&gt;Assistant Professor&lt;br&gt;Department of Computational Physics&lt;br&gt;<a href="mailto:sujamku@gmail.com">sujamku@gmail.com</a>&lt;br&gt;Mobile: 7806920005</td>
<td></td>
<td>Advanced materials for energy, environment and biomedical applications</td>
</tr>
<tr>
<td><strong>Dr. V. Ramakrishnan</strong>&lt;br&gt;Sr. Professor and Head (On lien to IISER, TVM)&lt;br&gt;Department of Laser Studies&lt;br&gt;<a href="mailto:vr.optics1@gmail.com">vr.optics1@gmail.com</a>&lt;br&gt;Mobile: 9443918384</td>
<td></td>
<td>Raman Spectroscopy</td>
</tr>
<tr>
<td><strong>Dr. K. Anitha</strong>&lt;br&gt;Assistant Professor &amp; Head i/c&lt;br&gt;Department of Physics&lt;br&gt;<a href="mailto:gkaani@yahoo.co.in">gkaani@yahoo.co.in</a>&lt;br&gt;Mobile: 95516 11625</td>
<td></td>
<td>Crystallography, Crystal Growth and Nanomaterials</td>
</tr>
<tr>
<td><strong>Dr. K. Sethuraman</strong>&lt;br&gt;Assistant Professor&lt;br&gt;Department of Physics&lt;br&gt;<a href="mailto:sethuraman_33@yahoo.com">sethuraman_33@yahoo.com</a>&lt;br&gt;Mobile: 99445252309</td>
<td></td>
<td>Thin Films , Solar Energy Materials and Crystal Growth</td>
</tr>
<tr>
<td><strong>Dr. S. Rajashabala</strong>&lt;br&gt;Assistant Professor &amp; Head i/c&lt;br&gt;Department of Theoretical Physics&lt;br&gt;<a href="mailto:rajabala@yahoo.com">rajabala@yahoo.com</a>&lt;br&gt;Mobile:9962566827</td>
<td></td>
<td>Energy Harvesting Materials &amp; Biosensor</td>
</tr>
<tr>
<td><strong>Dr. Basherrudin Mahmud Ahmed</strong>&lt;br&gt;Assistant Professor&lt;br&gt;Department of Theoretical Physics&lt;br&gt;<a href="mailto:abmahmed@gmail.com">abmahmed@gmail.com</a>&lt;br&gt;Mobile: 96001 51764</td>
<td></td>
<td>Quantum Information Theory</td>
</tr>
</tbody>
</table>

Highly qualified, well trained faculty members who fine-tune the students to the modern genre. Each student is given personal attention with respect to their strength and weakness.
## COURSE OFFERED

<table>
<thead>
<tr>
<th>Course</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.Sc., M.Phil., and Ph.D.</td>
<td>Admissions to M.Sc., and M. Phil., courses are through written test. The selection is based on merit and reservation policy of the State Government.</td>
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<tr>
<td></td>
<td>Syllabus is updated regularly for the benefit of students.</td>
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<tr>
<td></td>
<td>From the current academic year number of intake for M.Sc. course is nearly doubled (from 20 to 36) to meet out the increasing demand and serve the student of rural background.</td>
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<td></td>
<td>Students are motivated to apply for summer and winter programs.</td>
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<td></td>
<td>M. Phil scholars are encouraged to present at least one paper in national/ international Conference and in peer reviewed journals</td>
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<td></td>
<td>Extraordinary students are monitored and they are helped to achieve higher marks and get through the exams like GATE, NET etc. by way of right guidance.</td>
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<tr>
<td></td>
<td>The slow students are provided with special tutorial assistance and extra classes for the enhancement of their knowledge abilities</td>
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<tr>
<td></td>
<td>Learning through computers, LCD and interactive board.</td>
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</tbody>
</table>

Weekly seminar by the M.Sc. students is a unique feature of our school. The seminar performance is evaluated by all the course teachers.

## MAJOR EVENTS

Every year our School organize the Seminar/ Conference/ Workshop / Refresher courses sponsored by UGC/ DST

Refresher course on Experimental Physics supported by Indian Academy of Sciences (IAS), Bangalore. Eminent experimental scientist Prof. R. Srinivasan trained our M.Sc. students for 15 days on experimental physics and techniques. 

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<table>
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</table>
BLESSED WITH THE PRESENCE OF INTERNATIONALLY RECOGNIZED PROFESSORS’ VISITS

Prof. Smag  
Prof. Michael Berry  
Prof. Y. Kawazoe

RESEARCH FACILITIES IN SOP

Powder XRD DST-FIST  
Single Crystal XRD DST-FIST UPE  
Micro Raman spectroscopy

Spectrophotometer UPE  
Atomic Force Microscope DST-PURSE  
UV Spectrometer UPE

Spray Pyrolysis unit  
Computer cluster  
E beam Evaporation Unit
On par with international standards, School of Physics houses an air conditioned hall with Smart Board facility to implement innovative teaching methodology.

To complement the learning process, a well-stocked and well maintained library catering to the needs of post graduate students and research scholars

1. Number of Books available in the School : 2000
2. Number of Books available in the Main library : 5000

Emphatically spacious and well-furnished class rooms, laboratories Research Labs with internet/Wi-Fi

Exotic, Well equipped seminar Hall – DRS Hall

Mineral Water Plant: To provide clean drinking water to the students and staff

Security: Safety of the students and staff is of high priority. The entry and exit to the campus are guarded by security persons.

FACULTY AWARDS AND ACHIEVEMENTS

<table>
<thead>
<tr>
<th>Name of the Faculty</th>
<th>Award/ Fellowship</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. V. Ramakrishnan</td>
<td>Commonwealth Academic Fellowship, UK &amp; Japanese Society for Promotion of Science (JSPS)</td>
</tr>
<tr>
<td>Dr. S. Rajashabala, Dr. Sujin P. Jose, Dr. K. Sethuraman</td>
<td>Raman Post-Doctoral Fellowship award (UGC)</td>
</tr>
<tr>
<td>Dr. S. Rajashabala, Dr. K. Anitha</td>
<td>Indian National Science Academy (INSA) Visiting Scientist Fellowship</td>
</tr>
</tbody>
</table>
STUDENTS AWARDS AND ACHIEVEMENTS

Students of SOP earmarked their presence in the academic scenario - recipients of various fellowships like BASE (USA internships), DST-Inspire etc., CSIR-SRF, JRF & research positions in various national/international labs, Good performance in National Eligibility tests (NET/SET/GATE).

SOCIAL AWARENESS MEETS - EMOTIONAL INTELLIGENCE

Enhancement of the knowledge of students through exploration and exposure to real-life experiences.

OUR ALUMNI spread over well renowned national and international research institutes, universities and companies speaks of the professional and technical landmarks made by the School.

Dr. K. Kesavasamy, The Global Head of TCS, Academic Interface Programme
Dr. S. Arunkumaran, Nanyang University, Singapore
Dr. S. Murugesh, Associate Professor, IIST, TVM
Dr. B. Sridhar, Scientist, IICT, Hyderabad
Mr. M. Saravanan, NPL, New Delhi
Mr. Rajesh Kannan, Scientist-C, ISRO, Hassan
Alumni Meet

EXTENSION ACTIVITY

PHYSICS & BEYOND, a one-day awareness programme was organized by our School on 15-3-2017 for the 8th and 9th standard students of all Government and Government aided schools in and around Madurai.

1. Outreach programmes by Faculty for the benefit of school / college students
2. Extension activities are conducted in the planetarium to inspire the younger minds towards science
Students and staff are part of the CLEAN&GREEN CAMPUS movement of the university.

The Sathangudi Village is adopted by School of Physics.

An interesting interaction with the school students.

Faculty with villagers - Swachh Pakhwada 2017

ENVIRONMENT CONSCIOUSNESS

Students and staff are part of the CLEAN&GREEN CAMPUS movement of the university.

CONTACT DETAILS

MAILING ADDRESS
The Chairperson
School of Physics
Madurai Kamaraj University
Madurai – 625021

SCHOOL EMAIL ADDRESS
phy.mku@gmail.com

PHONE