

# VOCATIONAL TRAINING



For BSc Physics Students



Students Repairing LED Panel Lights

Repairing LED  
Bulbs

Making New  
LED Bulbs

Earn While You  
Learn

E Waste  
Management

Self  
Employment  
Initiative



For BCom Students



Students and Staff Depositing Damaged LED Bulbs



# EXTENSION ACTIVITIES



In association with the Dept of Physics, Calicut University conducted **One month Hands on Training on 'Repairing and Re-using LED Bulbs'** 76 Volunteers from Six Grama Panchayats (Thenhipalam, Chelambra, Pallikkal, Vallikkunnu, Mooniyoor, Peruvallor) benefitted. (05/03/2022 to 27/03/2022 )



Hands-on Training on LED Bulb Repairing and new LED bulb making for **SANGAMAM NEIGHBOURHOOD** Group Tirurangadi. A total of 21 house wives got trained in the program. 16/11/2021.

# RESEARCH ORIENTED WORKSHOPS



Department of Physics  
**PSMO College**  
Tirurangadi

**SIAS**  
Research Forum

In Association with  
Spark Institute of Advanced Science  
Kollam

**5 DAYS HANDS ON TRAINING ON  
ELEMENTAL  
ANALYSIS**

**08 – 14 September 2021**

- MATCH! Software - Advanced Version
- SEM, EDAX, Back Scattered Image
- AFM, FESEM, EFM, MFM, STM and I-AFM
- TEM
- XPS

You will get trained to analyze different kinds of samples

Experts from India and Abroad lead the training

Dr. Holger Putz, Germany,  
Dr. Subash CK CeNS Bengaluru  
Dr. Shivani Sharma, Florida State  
University, USA  
Dr. Abdul Ahad, JNCsAR ,  
Bengaluru  
Dr. Uvais V N, Manipal University  
93 Participants



Department of Physics  
**PSMO College**  
Tirurangadi  
www.psmocollege.ac.in

**SPARK INSTITUTE OF SCIENCE**  
Kollam  
www.thesias.in

**24 July – 01 August, 2021**

**7 Days Hands on Training on  
Rietveld Refinement using Fullprof, GSAS and JANA Software**

Resource Persons

				
Dr. Sudhindra Rayaprol Scientist – G UGC-DAE CSR Mumbai	Dr. Shivani Sahrma National High Magnetic Field Laboratory Florida, USA	Dr. Muneeswaran M Pukyong National University South Korea	Dr. Pradeep Reddy Vel Tech Inst. of Science & Technology Chennai	Dr. Rashid T P PSMO College Tirurangadi Kerala

**Live Interactive Session** (Recorded videos will also be provided)

Registration Still Open      Contact: +91 9786938011, 9605241561      physics@psmocollege.ac.in

Dr. Sudindra Rayaprol, UGC-DAE CSR  
Mumbai  
Dr. Shivani Sharma, Florida State  
University, USA  
Dr. Muneeswaran M, Pukyong National  
University, South Korea  
Dr. Pradeep Reddy, Vel Tech Institute,  
Chennai  
Dr. Rashid.T.P, PSMO College Tiruranagadi.  
102 Participants



**SIAS**  
Research Forum

**PSMO**  
COLLEGE

**SIAS**  
Spark Institute of Advanced Science

**7 Days Hands-on Training on  
CHEMDRAW & CHEMSKETCH  
SOFTWARE**

In connection with Department of Physics,  
PSMO, Tirurangadi

**Who can participate ?**

- B.Sc. Chemistry/ Physics/Biology
- M.Sc. Chemistry/ Physics  
Biology/Material Science
- Ph.D. 1<sup>st</sup> Year Students
- School / College Faculties (Science Subjects)

**Workshop Starts on  
19<sup>th</sup> June 2021**

**REGISTER NOW**

More Info : +91 78 93 65 28 69 | +91 9605 241 561  
W : www.thesias.in | E : director@thesias.in

**Limited Seats Only**

SCUBE Team (Official Partners of  
Perkin Elmer USA)  
Dr. Rashid T.P, PSMO College  
Dr. Hijas K.M, NIT Trichy  
Dr. G. Rajkumar

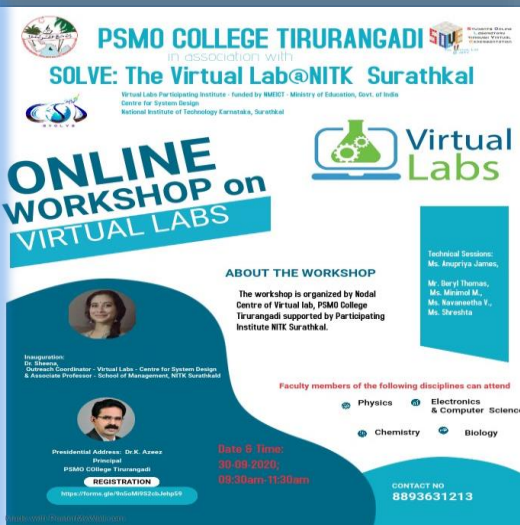


# WORKSHOPS ON VIRTUAL LAB AND ExPEYES



Dr. Ajith Kumar B P  
Scientist, IUAC, New Delhi  
Workshop on Computer Interfaced Science  
Experiments for Teachers

21 Teachers Trained



52 Teachers Trained in Virtual lab



Workshop on Computer Interfaced  
Science Experiments for Students

# INVITED LECTURES

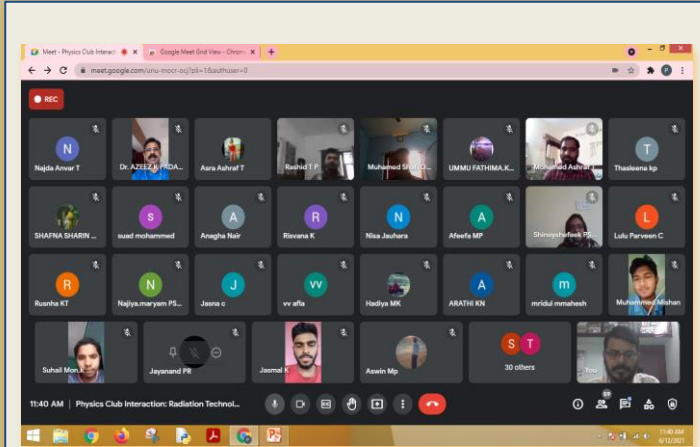


**Recent Research Trends in atomic physics -Dr Najeeb  
Punnakayathil, Stockholm University, Sweden on 1/07/2019**



**Organic Solar Cell, Green Energy - Dr Shafkath Karuthedath,  
Mary Curie Fellow KAUST, Saudi Arabia on 13/09/2017**

# WEBINARS

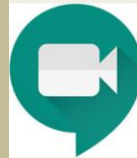


**Radiation Technologies in daily Life by  
Mohammed Ashraf T, Scientific Officer, DAE-  
Board of Radiation & Isotope Technology,  
12/06/2021**



Department of Physics  
PSMO College Tirurangadi

**Webinar  
on  
Physics of Black Holes  
12 Nov 2020 Thu @11.15 AM**



[meet.google.com/tpv-tmnh-tkw](https://meet.google.com/tpv-tmnh-tkw)

**Fazlu Rahman  
IIA Bangalore**

DEPARTMENT OF PHYSICS  
PSMO COLLEGE, TIRURANGADI

International Webinar  
on  
**2D Materials as Supercapacitor Electrodes**  
<https://psmocollege.ac.in/>

DR. ANAND B. PUTHIRATH

Postdoctoral Research Associate  
Materials Science and Nano Engineering  
Texas, USA



**13 August 2020**

TIME: 10 AM



Lecture will be delivered through Google Meet  
Link will be sent to participants through WhatsApp  
<https://chat.whatsapp.com/BbeUJmAgHKLxuyyqiOitK>

**For more info WhatsApp @ 9961356889**



# ACTIVITIES CONDUCTED

PHYSICS CLUB PSMOC  
Invites you to

## INTRODUCTION TO ROBOTICS

Let's discuss the realm of robotics

Inauguration :Dr.K.Azeez  
(Principal, PSMO)

Session taken by:  
**Mridul M Mahesh**  
(Entrepreneur,  
Robotic hobbyist)

2021 JUNE 19  
SATURDAY  
10AM-11AM

Indis-gaur-ara  
physics@psmocollege.ac.in

## PYTHON PROGRAMMING CONTEST

Department of PHYSICS  
PSMO COLLEGE

22/07/21 THU 2 PM

A Talk on  
**Story of Gravity**  
AS PART OF RETIREMENT OF MUNEEBA PO  
(HOD, DEPT. OF PHYSICS, PSMO COLLEGE)

Speaker: Hassan Basari VT  
(Research Scholar, Dept. of Physics, CUSAT)

23/03/22 AT 11 AM  
SEMINAR HALL PSMO COLLEGE

Jointly organized by  
Physics Alumni & Department of Physics, PSMO College,  
Tirurangudi.

DEPARTMENT OF PHYSICS  
PSMO COLLEGE

## SEMINAR ON GRAVITATIONAL WAVES

4-1-2018 THU  
1.30PM-4.30PM

Fazlu Rahman PP  
Research Scholar  
CUSAT Cochin

SEMINAR HALL, PSMO COLLEGE

Department of Physics,  
PSMO College, Tirurangudi

## Introduction to String Theory

Dr.Shafeeq Rahman Thottoli  
Assistant Professor,  
Jazan University, Saudi Arabia

12-08-2022, 10 am @ Seminar Hall, PSMO College  
All are invited

## POWER QUIZ 2021

ഭൂമിയിൽ ഏറ്റവും വലിയ ഓക്സീജൻ സ്രോതസ്സ് ഏത്? ഹൈഡ്രജൻ  
ഏറ്റവും കഠിനമായ ഘടകം ഏത്? ഡയമണ്ട്  
ഏറ്റവും വലിയ നക്ഷത്രം ഏത്? റെഡ് ഡ്വാർഫ് നക്ഷത്രം  
ഏറ്റവും വലിയ ഗാലക്സി ഏത്? ഹബ്ബിൾ സ്പേസ് ടെലസ്കോപ്പ്

## ACADEMIC TALK ON "SCIENCE AND OUR SOCIETY"

14 Oct 2019  
4 PM

Dr. Ajith Kumar B P  
Scientist, Inter-University  
Accelerator Centre, New Delhi

Seminar Hall, PSMO College

Department of Physics- PSMO College

## Career Options for a Physics Graduate

Part of Orientation Program for First Semester B.Sc. Physics Students

Dr. RASHID T P  
Department of Physics  
PSMO College  
Tirurangudi

Date & Time: 12/07/2022 10 AM  
Platform: Google Meet  
Link: <https://meet.google.com/psmo-ara>

Organized by:  
The Department of Physics  
PSMO College  
Tirurangudi

PSMO COLLEGE, Tirurangudi

Department of physics invites poster for

## SCIENCE IN NATURE PHOTOGRAPHY COMPETITION

As Part Of National Science Day Celebration

RULES

1. This Competition is Open For UG, PG Students in PSMOC.
2. Take an Original a Still Photograph of a Natural Science /Event/Action
3. Describe The Science With in it With Original Words (single page pdf)
4. Sent High Resolution Image and Description File to physics@psmocollege.ac.in

EXCITING PRIZE FOR THE WINNERS!!

Last date for submission: 07/03/2022

physics@psmocollege.ac.in

• Physics Club PSMOC

PSMO College  
Tirurangudi  
In Association With  
SHEEN International

## CSIR NET PHYSICS FREE ORIENTATION WEBINAR

10/12/2021  
ഓൺലൈൻ  
രാവ് 7:30 ന്

Topic: How to Crack CSIR NET Physics

Inauguration

Introduction Talk

Dr.K Azeez  
(Principal PSMO College)

Mr. Basim M B  
(Assistant Professor  
PSMO College)

Mr. Muhammed Swalihu  
(CSIR NET / JRF, GATE, JAM)

കൂടുതൽ വിവരങ്ങൾക്ക്:  
7902763856, 8431515870

SHEEN International  
8431515870, 843179787

www.sheeninternational.org  
sheeninternational@gmail.com  
@sheeninternational

Department of Physics,  
PSMO College, Tirurangudi

## Energy Audit & Management

Nishad K  
Sub Engineer, KSEB

to control the energy usage in our house

11-08-2022, 10 am @ Room No. 114, PSMO College  
All are invited

QUIZTRO-2020

Registration link: <https://forms.gle/9mK8mK8mK8mK8mK8>

Prizes: 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th

Prizes: 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th

Department of Physics  
PSMO College Tirurangudi

## NTA CSIR NET Physics Science Mock test

Date: 16-08-2022 Tuesday  
Time: 10.30 AM-12.30PM  
Venue: IUGC Network Resource Centre

വി.എസ്.എം.ഒ. കോളേജ്  
വിവിധ വിഭാഗങ്ങളിൽ നിന്നും  
യാത്രയ്ക്ക് സജ്ജമാക്കുക

23/03/2022 2:00 PM

വി.എസ്.എം.ഒ. കോളേജ് വിവിധ വിഭാഗങ്ങളിൽ

# OTHER ACTIVITIES



**Alumni Meet**  
23/03/2022



**Physics Alumni Meet**  
25/02/2022



**UG Orientation**  
Dr. Nisamuddeen K  
17/10/2021



**'Physics from There to Here'** Praveen KC, Bishop  
Jerome Institute,  
10/11/2020



**'Evolution of Galaxies'**  
Dr C.D Ravikumar Calicut  
University  
20 Feb 2020



**'Epsilon 19', Students'  
Presentation Contest**  
1/2/2019



**'Spectroscopic Techniques'**  
Dr. Haris K, AMU,  
19/10/2019



**Prize distribution to  
winners in Physics  
Multimedia quiz**  
1/2/2019



**'ShastraJalakam',**  
23/11/2018,



**Electronics Experimentation**  
Dr. Mhd Shahin Thayyil,  
University of Calicut on  
8/11/2018,



**Dr Rashid.TP, NIT Trichy,  
'Magnetic Refrigeration'.**  
20/07/2018



**'Lunar Missions'**  
Dr.PK Abdurazak  
Sullami 21/07/2017



**Astronomy Quiz**  
Winners Quiz Master  
on 21/07/2017



**Dr P Ramesh, Calicut  
University, Scope of  
Physics /12/2017**



**SWACHH BHARAT  
MISSION**  
11/01/2021



# OTHER ACTIVITIES



Prof Papootty, National Science Day 2018



Hands on Training Automatic ON/OFF power switch for the water pump.



Manoj Kottakkal, Amature Astronomer,  
Astronomy Sky Watch Camp

