

<https://apptunes.aptkerala.org/>

June 2022

# A P T TUNES

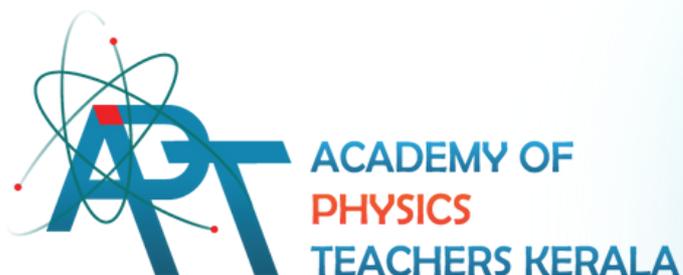
## Special Theme : Approaches to Online Teaching

- Educational Technology for Online Teaching
- Computer Interfaced Science Experiments
- Virtual Laboratories in Physical Sciences

HOMAGE



PROF. THANU PADMANABHAN



RECENT  
ADVANCES

- Q-Bits & Pieces
- Petawatt Lasers

## TABLE OF CONTENTS

PreFace : K K Abdullah, Cheif Editor

### Homage

Thanu Padmanabhan – and the Third Revolution in Gravity ..... Titus K Mathew

### Special Theme : Approaches to Online Teaching

Educational Technology Useful for Online Teaching ..... Jijo Pulickiyil Ulahannan

Computer Interfaced Science Experiments ..... Ajith Kumar B P

Virtual Laboratories in Physical Sciences : A Review ..... Sreelatha K S

### Notes from History

History of Thermodynamics – I: Steam Engine ..... S.V.M. Satyanarayana

### Recent Advances

Q-Bits & Pieces ..... Madhu Thalakulam

Petawatt Lasers: Science and Applications ..... P. P. Rajeev

### Upgrade Your Lab

Giving Life to Lab Experiments:

Conversion of Lab Experiments into Simple Devices ..... Justin John

### Upskill Yourself

Preparing Structured Document Using LaTeX ..... Noble P. Abraham and  
Deena Mary Luke

### Reviews

Quantum Mechanics Curriculum: A Review ..... Madhu K.

### Conversations in Physics

Do We Understand Classical Mechanics? ..... N Shaji

### Physics Workout

Detailed Solutions of Ph. D. and M. Sc. Entrance Questions ..... Shitikantha Mishra