

## About VIT

Vellore Institute of Technology (VIT) was founded in 1984 as Vellore Engineering College by the Chancellor Dr. G. Viswanathan. From its humble beginning, the institution has grown steadily to that of having more than 39,000 students. VIT attracts students from all the 29 states of India and from more than 50 countries because of its excellence. The credentials of VIT in academics and research have placed VIT in the 13th position among the engineering institutions and VIT Business School in the 17th position among the business schools in India by NIRF, Govt. of India. The world ranking body called QS (Quacquarelli Symonds) has given 4 STAR rating to VIT and with that VIT becomes the first institution in India to have the 4 STAR rating. In addition to this, the consortium of industries, FICCI has adjudged VIT as the "Excellence in Faculty". VIT has the record of publishing maximum number of SCOPUS indexed research articles in 2016, among Indian Universities and also overtaking all the premier institutions. VIT has also completed 3 cycles of NAAC accreditation and has been rated as "A" grade institution. In addition, VIT also has obtained the coveted ABET accreditation by US agency. VIT has introduced many innovations in academic processes such as FFCS (Fully Flexible Credit System), PBL (Project Based Learning) for better learning and fully digitized academic portals that assist students in equipping themselves for 2020 market place.



### Organizing Committee

#### Honourable patron

**Dr. G. Viswanathan**

Founder & Chancellor, VIT

#### Patrons

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Vice President, VIT

**Dr. Sekar Viswanathan**

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#### Chairman

**Dr. A. Mary Saral**

Dean, SAS, VIT, Vellore

#### Co-Chairman

**Dr. K. Senthilnathan**

HoD, Physics

#### Coordinators

**Dr. S. Balakrishnan & Dr. R. D. Eithiraj**

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**VIT – A place to learn; A chance to grow**

**TAMILNADU STATE COUNCIL FOR  
SCIENCE AND TECHNOLOGY, CHENNAI**



&



**NATIONAL COUNCIL FOR SCIENCE  
AND TECHNOLOGY  
COMMUNICATION, NEW DELHI**

SPONSORED

**Refresher Programme in Physics  
for High School Science Teachers**

*Under the Scheme of*

**Popularisation of Science Activities**

**15<sup>th</sup> June 2019**



**VIT<sup>®</sup>**

**Vellore Institute of Technology**

(Decreed to be University under section 3 of UGC Act, 1956)

*Organized by*

**Department of Physics  
School of Advanced Sciences  
Vellore Institute of Technology  
Vellore 632 014  
Tamilnadu**

## SAS

School of Advanced Sciences (SAS) consists of Mathematics, Physics and Chemistry departments. It offers M.Sc., in Physics and Chemistry, M.Phil. and Ph.D. programmes in all 3 disciplines. It comprises of well qualified and research oriented faculty members whose expertise are in the frontier areas in Sciences. Faculty members of SAS have received research projects from various funding agencies such as DST, CSIR, DRDO, NBHM, BRNS, IGCAR, AERBA, NRB and ARDB. The School has also been recognized by DST for support under the FIST programme.

### About Physics Department

The Physics Department offers credit based courses in basic Physics to undergraduate first year engineering (B.Tech.) and also electives to UG. The Department also offers credit based postgraduate programme, Master of Science (M.Sc.) in Physics. The Physics Department is strengthened with 41 Faculty Members 60 Research Scholars. The Physics Department is equipped with different research laboratories.

### Thrust Areas of Research

Thin Films/Sensors/Energy Conservation; Crystal Growth; Gel Dosimetry/ Laser Spectroscopy; Nonlinear Fiber Optics/ Photonics; Bio Physics; Condensed Matter Physics; Material Science; Medical Physics/Nuclear Physics; X-Ray Crystallography; Ultrasonics; Thin Film Technology; Bio-Materials; Surface Engineering; Synthesis and Characterization of Nanomaterials.

## Resource Person

**Prof. P. Ramesh Babu**  
Dean (Academic Research), VIT, Vellore.

**Prof. N. R. Sathya Swaroop**  
Department of Physics, SAS, VIT, Vellore.

## Who Can Participate

**School Teachers Handling Physics**  
**Subject for 9<sup>th</sup> & 10<sup>th</sup> Standards**

## Programme Schedule

Time	Programme Schedule
9:00 AM	Registration
9:15	Inauguration
9:45	Coffee & Snacks
10:00	Lecture on Physics Concepts
11:00	Experimental Demonstration on Physics Concepts
12:00 Noon	Photo session
12:15 PM	Basic Physics in Day to Day Life
13:00	Lunch
14:00	General Physics Lab Visit
15:30	Tea & Snacks
15:45	Research Lab Visit – SEM & TEM
16:45	Feedback
17:00	Certificate Distribution & Closing Ceremony

TNSCST, NCSTC & VIT Sponsored Refresher Programme in Physics for High School Science Teachers under the Scheme of “Popularisation of Science Activities” on 15<sup>th</sup> June 2019 at VIT, Vellore.

## REGISTRATION FORM

**Name (IN BLOCK LETTERS):**

**Qualification:**

**Name of the School & Address:**

**Gender: MALE/FEMALE (✓)**

**E-mail:**

**Contact No:**

**Teacher Signature:**

**Signature & Seal of Principal/Headmaster:**

### IMPORTANT INFORMATION

- ☞ Registration will be on first come-first serve basis
- ☞ No Registration Fee & No Spot Registration
- ☞ No Accommodation will be provided
- ☞ Lunch & Refreshments will be provided
- ☞ Teachers should get signature & seal of School Principal/Headmaster in the registration form.
- ☞ Filled in Registration form should reach the Coordinators on or before 10<sup>th</sup> June 2019.

### ADDRESS FOR CORRESPONDENCE

Dr. S. Balakrishnan & Dr. R. D. Eithiraj  
Department of Physics  
School of Advanced Sciences (SAS)  
Vellore Katpadi-Thiruvallam Road  
Vellore, TN 632 014