

About the Institution

CMR Institute of Technology (CMRIT) is the only premier Engineering College accredited with A+ grade by NAAC in Bangalore. This institute was established in the year 2000 by CMR Jnanadhara Trust as a tribute to a great visionary educationalist Late. Sri. Chikka Muniyappa Reddy, who believed that every individual deserves access to quality education. In accordance with his vision, the CMR Institute of Technology was founded to give every student an outstanding, value based and well-rounded education. Strategically located in the IT corridor of Bangalore, CMRIT serves as an incubation centre for India's IT industry. The institute was set up not just to produce high quality personnel but also to cater to the tremendously growing manpower requirements of the industry. Started with 4 branches of Engineering with an intake of 240 students, over a period of 19 years CMRIT has made a rapid progress in the spheres of academic & non academic activities and has 6 branches of under graduate programs and Four PG programs namely MBA, MCA and M.Tech and Nine doctoral programs nurturing the dreams of over 4000 students. CMRIT is affiliated to Visvesvaraya Technological University (VTU), approved by AICTE, New Delhi, and recognized by the Government of Karnataka.

About the Department:

The **Basic Science and Humanities department** of CMRIT came into existence in 2000 along with the Institute. The department has well qualified and experienced faculty dedicated to teaching and research. The department is recognized as a Research Center (Ph.D) for Physics, Chemistry and Mathematics by Visvesvaraya Technological University, Belgaum. The faculty are actively involved in research in the frontier fields of Solid state physics, Materials Science, Astrophysics, Quantum computation, Spectroscopy, Fluid Dynamics, Graph Theory, Photo Chemistry, Organic and Inorganic Chemistry, Nanotechnology. Over 20 Ph.D qualified faculty are conducting research with funding from premier research agencies and guiding over 30 Ph.D research scholars. The department has been constantly achieving cent percent result in

university examinations. To integrate Science with cutting edge technology the department organizes Internships, conferences, seminars, field visits, Hackathons on a regular basis.

Introduction:

Faculty vitality is the main ingredient to enhance professional education and competence. Enriching the faculty vitality in key domains of teaching, assessing, research, professionalism, and administration is perceived to improve educational environment significantly. In addition, it enhances the academic performance of learners. This workshop has been considered as a stand-alone educational pedagogy in fostering knowledge and practical skills of faculty. Research studies have indicated that class room teaching blended with demonstration enables learners to develop interest towards the subjects and facilitates inculcation of skill of Innovation.

Objectives: Experimentation enables Physicists to search for universal principles underlying natural phenomena. Analytical and critical thinking skills required for wide range of careers are inculcated through concepts of Physics. The main objective of this workshop is to train the teachers with a sound foundation of practical knowledge, skills that will enable them to deliver PUC Physics Curriculum through self made teaching aids. Participants will be provided training on making teaching aids to demonstrate Physics Principles. Distinguished faculty of the department of Physics at CMRIT who have vast teaching and research experience will conduct the practical sessions.

Practical sessions on

- ❖ Optics
- ❖ Mechanics
- ❖ Electromagnetics
- ❖ Electronics
- ❖ Oscillations
- ❖ Solar Energy

Participants for the programme:

Physics lecturers from PU colleges

STATE LEVEL WORKSHOP FOR PU COLLEGE PHYSICS LECTURERS ON EXPERIMENTS BASED CLASS ROOM TEACHING TO INSPIRE YOUNG MINDS

On
4th January 2020



DEPARTMENT OF BASIC SCIENCE AND HUMANITIES



CMR Institute of Technology
#132, IT park Road, Kundalahalli
Bengaluru – 560 037

PATRONS

Dr. Sabitha Ramamurthy- President, CMRJT and
Chancellor, CMR University
Sri K. C. Ramamurthy, Rtd. IPS, - Chairman, CMRGI
Sri K.R. Jayadeep - CEO, CMRGI

ADVISORY COMMITTEE

Dr. Sanjay Jain, Principal, CMRIT
Dr. B.Narasimha Murthy, Vice-Principal, CMRIT

ORGANIZING DEPARTMENT

Basic Science and Humanities

Resource persons

The distinguished faculty of the Department of
Physics at CMRIT will be conducting laboratory
sessions. These faculty members have more than
20 years of teaching experience and have pursued
research from prestigious in

stitutions like Indian Institute of Science (IISc),
Raman Research Institute (RRI), and Indian
Institute of Astrophysics (IIA). These faculty
members are working on frontier fields of
materials science, astrophysics, spectroscopy and
nanotechnology.

Registration form

**STATE LEVEL WORKSHOP
FOR
PU COLLEGE PHYSICS LECTURERS
ON
EXPERIMENTS BASED CLASS ROOM TEACHING TO
INSPIRE YOUNG MINDS
On
4th January 2020**

Name :

Designation :

Organization :

Address :

Phone/Mobile :

Email :

Place:

Date:

Signature of Participant:

Kindly register at by sending a mail to
hod.physics@cmrit.ac.in with subject titled
'REGISTRATION-WORKSHOP 2019'.

NO REGISTRATION FEE.

Coordinators

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Transport

BMTC Bus routes: 335A, 335E, 335 (T) (from Majestic),
500C (from Banashankari)
330 (from Shivajinagar)

Hosakote: Connecting buses available to Hope farm - CMRIT
Hebbal : VIA KR Puram – Marathalli – CMRIT

Alighting point: CMRIT BUS STOP
