

Science and Humanities:

Department of Physics:

About Department

The Department of Physics was established in the year 1994. Dedicated, well qualified and experienced faculty members of the department lead to the path of success. The Department of Physics is recognized as Research Department by Anna University, Chennai. Seven faculty are recognized research supervisors under Anna University and supervising seven Ph.D. scholars in various domains. Research in the Department ranges across the most challenging problems in materials science, nanoscience and nanotechnology. The Department has also received funds from DST under TDT to the tune of around 42 lakh and also received funds from DST, TNSCST, DRDO to organise various conferences and student centric programmes. DST – FIST has sponsored to improve the infrastructural facilities of various departments. DC Sputtering unit, Solar simulator and Photoluminescence spectrometer have been purchased under DST-FIST scheme. Apart from that, the departments have a well-established synthesis lab equipped to synthesize nanomaterials and thin films. Characterization lab is equipped with XRD, AFM, UV, ATR and Electrochemical workstation.

Head Of the Physics: Dr. K. Uthayarani

Dr. K. Uthayarani is currently working as Professor (Head) in the Department of Physics in Sri Ramakrishna Engineering College, Coimbatore. She completed her B.Sc Applied Science in Coimbatore Institute of Technology, Coimbatore in the year 1987 and M.Sc Materials Science in PSG College of Technology, Coimbatore in the year 1989. She completed her M.Phil Physics in Bharathiar University, Coimbatore in the year 1990. She completed her Ph.D in Physics in 2008 under Bharathiar University, Coimbatore in the field of Crystal Growth. She has 32 years of teaching experience and 16 years of research experience. Her field of interest includes Crystal Growth, Gas sensors, Nanomaterials, Metal oxide Semiconductors and Photovoltaics. She has organized DST-SERB and DRDO sponsored National Conference on Materials Science and Engineering for Societal Applications (NMSE) in the year 2018. She has also organized a Guest Lecture in the field of Non-Linear Dynamics exclusively for the faculty members. She has 18 international publications in reputed journals such as Physica E, Nanotechnology, RSC Advances, Sensor Letters, Materials Letters and so on. She has 102 citations in google scholar and 65 citations in scopus. She has presented 62 papers in various International and National conferences. She has written 6 books for the courses offered by the Physics Department which benefits the Engineering students of various programmes. She also holds the position as Selection Committee Member and Doctoral Committee Member and also acts as a reviewer. She has also been attending workshops with regard to nanofabrication technologies (organized by IIT Bombay and PSG Institute of Advanced studies), applications of nanotechnology and simulation techniques so as to have worldwide knowledge in the field of nanomaterial for implementation in gas sensing technology. She is constantly attending Faculty Development Programme on Universal Human Values organized by statutory bodies like AICTE, UGC. She has rich experience in organizing various intercollegiate events and workshops for the benefit of students. She is devoted to both teaching and research. She has recently received a project from DST-AMT-TMD in collaboration with Department of Biomedical engineering, SREC worth of Rs.41,60,860/-. In addition, she has organized two popularization workshops funded by TNSCST for school students.

Vision

The department will provide high quality Physics Education relevant to the professional requirements of Engineering and Technology students enabling them to face the challenges of technological progress.

Mission

To inspire and prepare the students with technical skills bundled with interpersonal skills to make them best qualified for future needs.

The mission of the Department is to provide Physics courses relevant to the professional requirements of Engineering and Technology students enabling them to face the challenges of technological progress.

Faculties:

Dr. K. UTHAYARANI
Head of the Department

Dr. M.R.M. KRISHNAPPA
Associate Professor

Dr. S. DEIVANAYAKI
Associate Professor

Dr. M. Chitra
Assistant Professor(Sl.Grade)

Dr. R. VASANTHAPRIYA
Assistant Professor(Sl.Grade)

Ms. D. SUDHA
Assistant Professor(Sr.Grade)

Dr. A. LEGGINS
Assistant Professor(Sr.Grade)

Mrs. Stella Anthoni Mary
Technical / Supporting Staff

Mrs. B. Dharani
Lab Assistant