



CRITERION I - CURRICULAR ASPECTS

1.3 Curriculum Enrichment

1.3.2 Certificate Courses/Value-added Courses

Value added Courses

**Department of Physics
2022-2023**

Brochure

- 1. Domestic Electrical Appliances**
- 2. Audio and Video Systems for Layman**
- 3. Mathematical Physics for Beginners**
- 4. Nanoscience and Nanotechnology**
- 5. Research Methodology**

Vision

To ignite the inner potential of the students and cultivate creativity and initiative among the students through academic and co-curricular activities.

Mission

To impart high quality education in Computer science and prepare the student to challenge for ever-demanding IT field.

ABOUT THE COLLEGE

Kumbakonam, famously known as "Temple city" is one of the special grade Municipal Towns of Tamil Nadu, is the second bigger town in Thanjavur District. The new building was inaugurated by the then Chief Minister of Tamil Nadu, Dr. C. N. ANNADURAI on July 20, 1967. Under Graduate programmes in Mathematics, Chemistry and Economics were introduced in the year 1968-1969. Two more Under Graduate course in Zoology and English were introduced in the subsequent year. Further, in the year 1983-84, under Graduate programmes in Physics, Commerce and Tamil were introduced. The prestigious Post Graduate course in Geography was started during the academic year 1986-87. It is affiliated to Bharathidasan University.

ABOUT THE DEPARTMENT

Department of Physics came into being in 1969 to offer undergraduate education in Physics. Initially, it was affiliated to the University of Madras. After the bifurcation of the University of Madras, it was then affiliated to Bharathidasan University, Tiruchirappalli in 1982. M.Sc. programme was started in 2002 and the Department of Physics was given special permission to conduct full time Ph.D., Program by virtue of sponsored research projects. The Centre of Nonlinear science (CeNSc) which was annexed with the Department has built up a world class reputation with linkages with several leading Institutions/Universities in India & Abroad.

Learning Objectives

- To give simple introduction to various domestic electrical appliances.
- To study the working of Microphones, Loud speakers.
- To enhance problem solving skills and determine the solutions for various problems arising in different branches of physics
- To provide a bird's eye view of the basics of Nanoscience.
- To explain the reasoning behind the approach to the Research.

Course outcomes:

- Acquire knowledge on simple introduction to electrical appliances and precautions in handling them.
- Understand the operation of TV camera and expertise to address the troubleshooting.
- Basics of vector fields and its applications.
- Impart fundamental knowledge to undertake research.

GOVERNMENT COLLEGE FOR WOMEN
(AUTONOMOUS)
KUMBAKONAM-612 001

DEPARTMENT OF PHYSICS



REGISTRATION FEE : Rs. 30/-

DURATION : 30 HRS

VALUE ADDED COURSES:

- DOMESTIC ELECTRICAL APPLIANCES
- AUDIO AND VIDEO SYSTEMS FOR LAYMAN
- MATHEMATICAL PHYSICS FOR BEGINNERS
- NANOSCIENCE AND NANOTECHNOLOGY
- RESEARCH METHODOLOGY

