

VISION

- ✓To impart value based quality academia, to empower students with wisdom and to charge them with rich Indian tradition and culture.
- ✓To invoke the self, to broaden the same towards Nation building, harmony and Universal brotherhood

MISSION

- ✓To impart knowledge, enable the students acquire skills and imbibe values, develop their personality, mold their character.
- ✓To evoke a sense of empathy and social concern and thereby help them evolve into humane and responsible citizens.

DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(Autonomous)

Reaccredited with A++ Grade by NAAC

College with Potential for Excellence, Linguistic Minority Institution
Affiliated to the University of Madras, Chennai – 600 106

PG Department of Physics (Shift II)



PROSPECTUS M.Sc. Physics



2026-2027



Dr. B. SYLAJA
Associate Professor
& Head i/c



**Capt. Dr. S. SANTHOSH
BABOO**
Principal



**Dr. ASHOK KUMAR
MUNDHRA**
Secretary

FACULTY MEMBERS

Dr. Z. Delci, M.Sc. M.Phil, Ph.D.
Capt. Dr. P. Arularasan, M.Sc., Ph.D.,
Dr. C. Ramathilagam M.Sc., M.Phil., Ph.D.
Dr. A. Chinnammal Janaki, M.Sc., M.Phil., Ph.D., PGDCA
Dr. K. Annapoorani, M.Sc., Ph.D.
Dr. B. Santhosh Kumar, M.Sc., Ph.D., SET
Dr. S. Muniyappan, M.Sc., M.Phil., Ph.D.
Dr. C. Yogeswari M.Sc., Ph.D.
Dr. T. Sivaranjani M.Sc., Ph.D.
Dr. K. Laavanya , M.Sc., M. Phil., Ph.D.

About The Department

The Post Graduate Department of Physics is dedicated to excellence in teaching and committed to serve the student community. The Department offers a degree in Bachelor of Science in Physics with Computer Applications (B.Sc. PCA) since 2011 and Master of Science in Physics since 2000.



M.Sc. Physics

M.Sc. (Physics) is a 2-year course with 4 semesters. The Postgraduate programme involves an in-depth study of concepts in both theoretical and experimental Physics. It provides students a scope of developing their problem solving, mathematical, communication skills and critical thinking, which further broadens into interpreting scientific data which is essential for scientific research.

Seminars



Training Program



Extension Activity



Student Welfare Activities



Alumni Meet



EVS Trip



Intercollegiate Event Radiate 2026



SALIENT FEATURES OF THE

DEPARTMENT

- ✓ Highly qualified faculty
- ✓ State of the Art Infrastructure facilities
- ✓ Value added courses
- ✓ Career guidance and counselling
- ✓ Placements
- ✓ Industrial visits, Environmental field trips
- ✓ Summer Internship and Project for PG students
- ✓ Sci-Cultural program RADIATE provides a platform for inter-collegiate events every year
- ✓ Alumni Meet
- ✓ Scholarship to Students
- ✓ Soft Skill Development to enhance employment
- ✓ A Magazine named 'ILLUMINATE' put-up by the students.
- ✓ A Physics Club "STARSTRUCK" under the PG Department of Physics encourages students of the Department to carry out academic and non-academic extra-curricular activities.
- ✓ The Department organizes workshops, seminars, conferences, and Skill enhancement programs to keep the students updated with the latest developments in the field of Physics.

Eligibility

✓ *B.Sc. Physics with Mathematics as ancillary subject*

(or)

✓ *B.Sc. Triple major with Physics, Chemistry and Mathematics*

(or)

✓ *B.Sc. (Applied Science/Applied Physics) with Physics as major and Mathematics as an ancillary subject*

(or)

✓ *B.Sc. Physics with Computer Applications with Mathematics as ancillary subject*

Candidates should have a minimum of 60% marks in undergraduate program

Learning Outcomes Based Curriculum Framework

First Semester:

Mathematical Physics I, Classical Mechanics, Electromagnetic Theory, Quantum Mechanics – I Practical – I, Practical – II

Second Semester:

Mathematical Physics II, Quantum Mechanics II, Condensed Matter Physics, Introduction to Microprocessor 8085 and Microcontroller 8051, Practical – III, Practical – IV,

Third Semester:

*Statistical Mechanics, Nuclear & Particle Physics, Disciple specific Elective – I, Disciple specific Elective – II, Multidisciplinary Elective – I, Practical – V
Skill Enhancement Course - Solar Energy Utilization, Internship*

Fourth Semester:

Disciple specific Elective – III, Disciple specific Elective – IV, Project, Skill Enhancement Course – X-Ray Diffraction and Crystallography

Contact

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Placements

