DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(Autonomous)
College with Potential for Excellence
Linguistic Minority Institution, Affiliated to University of Madras



DEPARTMENT OF PHYSICS

PROFILE



B.Sc. PHYSICS

(Aided)

Celebrate Physics!
Celebrate Science!!

ABOUT OUR DEPARTMENT

The Department of Physics was established in the year 1964 by the visionary teacher Prof.S.R.Govindarajan. It has been bestowed with dedicated teachers right from the time of inception. Three teachers from this Department served as Principal of our college - Shri S.R.Govindarajan, Shri C.Rangarajan, Dr.B.Krishnan and contributed to the growth of the institution immensely. The path for our mission has been laid by the great visionaries – who were willing to collaborate, reach out, innovate, experiment beyond classroom teaching and empathize diverse needs of their students.



Shri.S.R.Govindaraja Principal 01.06.1966 to 31.05.1978



Principal 01.06.1992 to 30.04.1998

Being a Govt-aided Department, it caters students from different backgrounds, supports inclusive education and provides them with scholarships. This Department strongly believes that creating stress-free environment for student-teacher interaction is a must to mould them and help them develop their skills. Our Science Club Triple Helix affiliated to Vigyan Prasar is a platform for every student to engage themselves with STEM meaningfully through a variety of activities along with academics.

This Department provides every student a platform to spot their interests, hone their skills, follow their own path and build scientific temper. This is made possible by the dynamic dedicated team of faculty who are highly qualified, who engage themselves in regular professional development and is a part of various scientific forums. With excellent lab facilities, a good collection of library books, very effective pedagogical tools, efficient teachers and a plethora of opportunities, it's a haven for students who want to pursue Physics.



Dr.B.Krishnan Principal 01.10.2001 to 30.11.2006

OUR VISION

To train the students to develop scientific temper, achieve excellence in education in the field of Physics and related areas and equip them with skills, knowledge and become life-long learners

ELIGIBILITY

Pass in higher secondary examination (or equivalent examination) with Physics, Mathematics and Chemistry



OUR MISSION

- To create an academic base that responds to the need of the students to understand the basics of Physics and it's ever evolving nature of applications in explaining all observed natural phenomenon as well as predicting the future applications to the new phenomenon with a global perspective
- Apply one's knowledge and understanding relating to Physics and skills to new/unfamiliar contexts and to identify and analyze problems and issues and seek solutions to real-life problems
- To be a tool for transformation marching in the road map of our country's vision towards Higher Education

GRADUATE ATTRIBUTES

- Acquire Physics knowledge
- Digital efficiency and domain skills
- Design and perform experiments
- Critical thinking and Problem solving
- Build sense of inquiry
- Ethical awareness
- Develop National and Global perspective
- Team player, Life long learner

For Online Applications, Visit

www.dgvaishnavcollege.edu.in

Connect with us

G DGVC Physics

DGVC Physics

G DGVC Physics

STAFF MEMBERS

Dr.D.Uthra, M.Sc., SLET, Ph.D. Spectroscopy, Electronics, Science Communication, STEM Mentoring





Dr.D.Syamala, M.Sc., M.Phil., M.E., Ph.D. Spectroscopy, Crystal growth, Electronics

Dr.V.Renganayaki, M.Sc., SLET, Ph.D. Spectroscopy, Crystal growth, Solid State Physics, Science Communication





Dr.V.Sangeetha, M.Sc., M.Phil., Ph.D. Crystal growth, Nuclear Physics

Dr.D.Sridevi, M.Sc., M.Phil., Ph.D. Nano science, Electronics





Ms.D.Pourkodee, M.Sc., NET Electronics, Microprocessors

Dr.K.Selva Kothai Nachiyar, M.Sc., M.Phil., Ph.D. Solid State Physics, Soil Research, Environmental Studies, Science Communication



CURRICULUM DESIGN

Atomic Physics

Mechanics & Properties of matter

Thermal Physics & Acoustics

Geo Physics

Basic Electronics

Relativity & Quantum Mechanics

Optics

Weather Forecasting

Astrophysics

Allied Maths/Chemistry

Physical Education

Value Added Courses

English

Language

Nuclear Physics

Electricity & Electromagnetism

Mathematical Methods in Physics

Medical Physics

Digital Electronics

Microprocessor Fundamentals

Fiber Optics

Applied Electronics

Solid State Physics

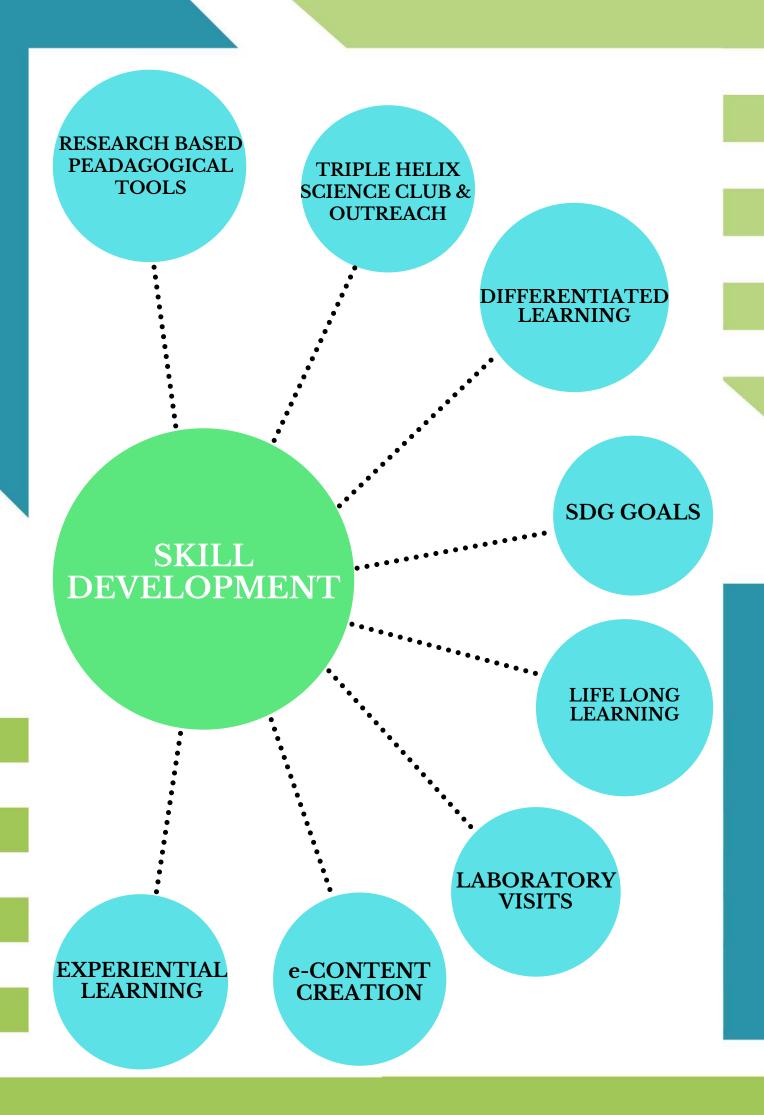
Soft Skills

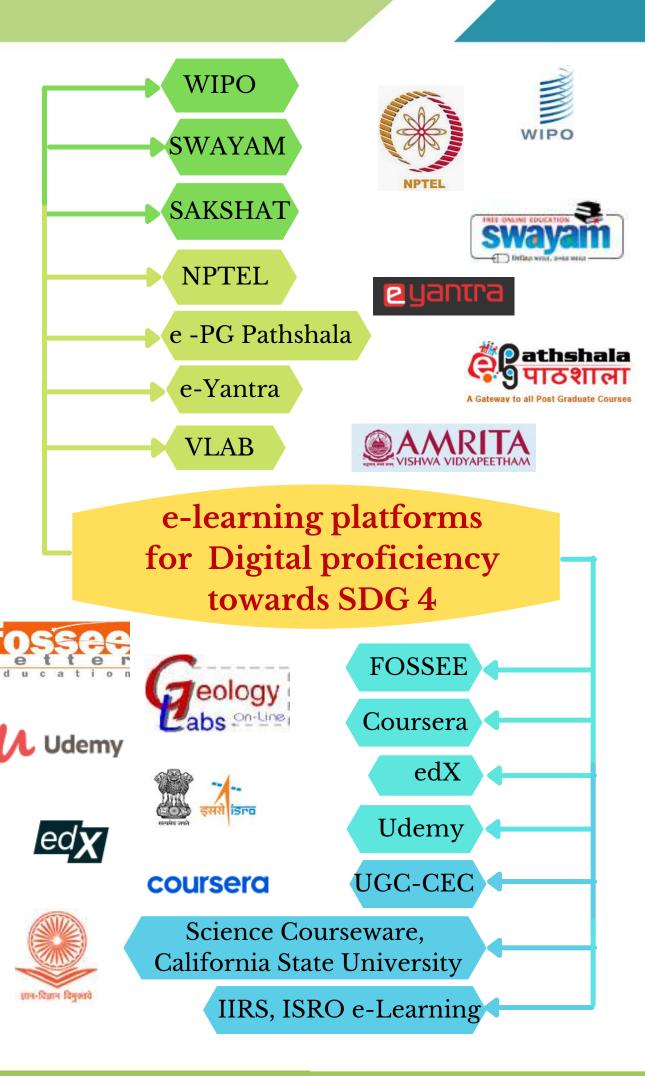
Value Education

Environmental Studies

Extension Activities

Non-Major Elective/Basic Tamil/ Advanced Tamil





INFRASTRUCTURE



















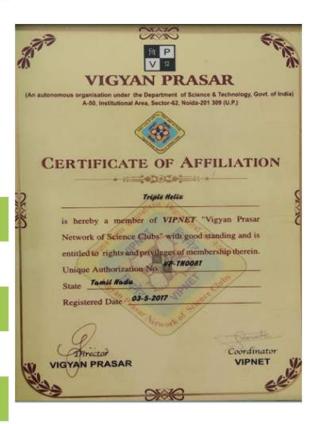


PROJECTS FUNDED BY THE GOVERNMENT

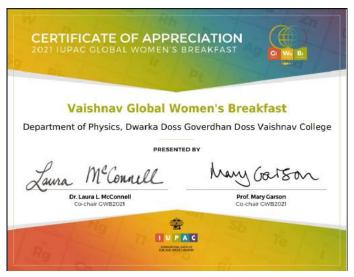
- Dr.D.Uthra completed the project *Use of Foldscope as a Educational and Training tool* funded by the Department of Biotechnology, Ministry of Science and Technology, Govt. of India during 2018-19
- NME ICT project *producing e-content for B.Sc. (H) Electronics* by Dr.D.Uthra and Dr.V.Renganayaki in collaboration with EMMRC, Anna University, Chennai during 2017- 18
- Dr.V.Renganayaki completed UGC-Minor Research Project-Growth Structural Optical and Thermo Gravimetric Studies of L-Alanine Hydrogen Chloride Single Crystals and a Model Fittings Approach to the Non-Isothermal Kinetics of the Crystals in 2017
- Funded by the prestigious DBT STAR COLLEGE Support Scheme of the Department of Biotechnology, Ministry of Science and Technology, Govt. of India during 2013-16. This Scheme supports to strengthen infrastructure, increase hands on experiments, enhance access to lab equipment, impart more interdisciplinary training programs, workshops and broaden the knowledge of undergraduate students
- Dr.D.Uthra completed UGC-Minor Research Project- To develop a model to calculate the carbon footprint of Dwaraka Doss Goverdhan Doss Vaishnav College in 2013

TRIPLE HELIX

Triple Helix is our Science Club registered as a member of VIPNET(VIgyanPrasarNETwork of science clubs), under Vigyan Prasar, DST, Govt. of India. Through this, students get a platform to disseminate knowledge and information on Science & Technology (S&T) by participating in various STEM Activities, Science communication and Outreach. The department is actively involved in training School teachers, engage students and teachers in hands-on activities, creating teaching-learning e-content modules, create awareness on inclusivity and women in STEM and popularize DBT and DST Activities.





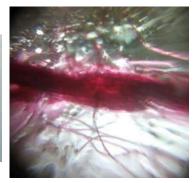


Imparting 21st Century Learning Skills

DBT Foldscope Workshops \(\)







Global/Citizen Science Projects





STEM Extension Activities







Women in STEM Initiatives





Activities under DBT Star college support scheme





MyGov Activities and IIRS, ISRO e-Learning











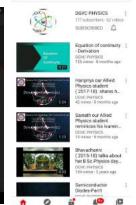


e-content creation and 5E Learning









Dubbing Arvind Gupta Science videos in Tamil





Meet Ur Alumni







Training Program for School Teachers





Students' Publications in Science Magazines





Training Chennai Corporation school children





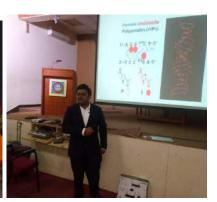




DBT Scientist of the Month

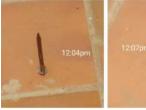






Zero Shadow Day













Meet Ur Scientist













- Asteroid Day







Laboratory/ Industrial visit \









OUR KNOWLEDGE PARTNERS



















विज्ञान एवं प्रौद्योगिकी विभाग DEPARTMENT OF SCIENCE & TECHNOLOGY















































PROGRESSION TOWARDS HIGHER EDUCATION





Department of Medical Physics Anna University, Chennai - 25













































श्रीष्ट वैकेसिंग संस्थान

































PSG College of Arts & Science
An Epitome for Quality Learning

