



Dr. N.G.P ARTS AND SCIENCE COLLEGE

(Autonomous)
COIMBATORE - 641 048.

Newsletter 2015-2016

Department of Physics

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You have to dream before your dreams can come true

- Dr. A. P. J. Abdul Kalam



Editor's desk

We are delighted that the first Newsletter of the Department of Physics @ Dr.N.G.P. Arts and Science College is all set to go for circulation. The Newsletter reports on the various achievements and happenings the department has witnessed over the past year. The Department fosters a friendly and stimulating learning environment in which students are motivated to reach high standards, acquire real insight into Physics, become self-confident, committed and adaptable graduates. We the faculty, as a team support teaching and learning with well-equipped laboratory, library and computing facilities.

Dr. M. Jagadesh

The Department of Physics@DrNGPASC

Established in the year 2015, The Department of Physics at Dr. N.G.P. Arts and Science College aims at imparting quality education in Physics. Physics is one of the fields of knowledge that underlies the physical universe and applies constantly to people's everyday lives. Studying Physics develops scientific temper and encourages students to innovate in diverse research and technical areas. Physics is the basic science that underlies all of the physical sciences and influences most of the biological sciences. It treats matter, energy and interactions at the fundamental level. This programme provides an excellent background for a wide variety of careers in science, science-related and technological fields. With a team of dedicated faculty and substantial infrastructural facilities, we march towards Excellence!!

Vision

The Department of Physics is committed to Inculcate analytical thinking in students and make them compete and contribute to the varying technology- centered advancements in Physics with services to the society.

Mission

The Department of Physics aspires to provide the best scientific methods in teaching the basic principles of Physics in both theoretical and experimental avenues and promote the level of education, scientific research and community service.

ACTIVITIES 2015-16

Curricular aspects

The Department of Physics conducted its first Board of Studies meeting on 10th June 2015. The members included Dr. L. Senthil Kumar, Associate Professor, Department of Physics, Bharathiar University (University Representative), Dr. V. Ponnuswamy, Associate Professor and Head, Department of Physics, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Dr. R. Sathyamoorthy, Associate Professor and Head, Department of Physics, Kongunadu Arts and Science College and Mr. Amarnath (Managing Director), Tamilnadu Energy Solutions Pvt. Ltd,

Coimbatore (Industry Representative). Eminent resource persons suggested necessary modifications for the curricular improvement.

Orientation Programmes

- ▶ "English for Physics" by Dr. Sucheeta Ramachandran, Head, Department of Communicative English & Skill Enhancement, Dr. NGP Institute of Technology on 19.06.2015.
- ▶ "Varied Scope and Avenues in Medical Physics" by Ms.S.Jayanthi, Head, Department of Medical Physics, Dr. NGP Arts and Science College on 08.07.15

ASSOCIATION ACTIVITIES

PANORAMA- Association of Physics

PANORAMA - The Physics Association at the Department of Physics was formally inaugurated by Dr.Haresh M.Pandya, Head, Department of Physics, Chikanna Government Arts College, Tiruppur in the presence of our beloved Secretary Madam on 20th February 2016. The chief guest delivered a special lecture on "Astronomy and Astrophysics". Students and faculty attended the same.



Astronomy Club

To recognize and foster students' interest in Astronomy and Astrophysics, an Astronomy club is established by the Department of Physics@DrNGPASC. The club was formally inaugurated by Prof. K. Sakthivel, Coimbatore Astronomy Club in the presence of our respected Principal on 20th February 2016. A Sky-watch event was also organized for school students and general public on the same day.



Guest/ Invited/ Special Lectures

- ▶▶ A Special Lecture on "Cryogenics" by Prof R. Ranganathan, Senior Scientist, Saha Institute of Nuclear Physics, Kolkata on 24.08.2015.
- ▶▶ A Special Lecture on "Physics Fundamentals" by Prof. P. Kolaindaivel, Head, Department of Physics, Bharathiar University, Coimbatore on 24.08.2015.
- ▶▶ A Science Demonstration by Prof.A.Subbiah Pandian, Principal, Government College for Women, Chennai on 24.08.2015.
- ▶▶ One day Symposium on "Awareness on the Signification of Science" at Regional Science Centre, Coimbatore on 14.11.2015.
- ▶▶ A Guest Lecture on "Astronomy and Astrophysics" by Dr.Haresh M.Pandya, Head, Department of Physics, Chikkanna Government Arts College, Tirupur was done by our department on 20.02.2016.

- ▶ A Sky-watch event organized for school students and general public by the Astronomy Club of the Department of Physics, Dr.NGP Arts and Science College on 20.02.2016.
- ▶ A Guest lecture on "Biomimetics" by Dr.V.Mahalingam, Department of Chemistry, Bharathiar University, Coimbatore on 09.10.2015.
- ▶ Science Symposium regarding, "Awareness in Science and Research Activities" by resource persons from Indian Institute of Science Education and Research (IISER), Trivandrum and TNSCST, Chennai on 18.11.2015.

Workshops/Industrial Visits

- ▶ A Science visit to Regional Science Centre, Coimbatore, on 25.06.2015.
- ▶ Field Trip to Radio Astronomy Centre, Ooty and Cosmic ray laboratory, Ooty, on 25.06.2015.
- ▶ Workshop on "Light and its applications" organized by Regional Science Centre, Coimbatore.
- ▶ Six students of our department participated in the Workshop on "The Sayadri Freshwater Biodiversity Conservation", conducted by the Eco-Club on 10.02.2016.



Students' Interdepartmental and Intercollegiate activities

- ▶ Eight students of I BSc Physics have cleared BEC Preliminary Exams

- ▶ J.Ajitha Jhansi & K.Bhuvaneshwari (I BSc Physics) won III Prize for the event Word Hunt in the "SPAZIOS" programme in our college conducted by Department of Information Technology.
- ▶ Six students of I BSc Physics have participated in NSS special camp.
- ▶ A. Nivetha (I BSc Physics) won II Prize in Independence Day Celebrations for Tamil Oratorical competition conducted in our college.
- ▶ M. Malaiselvi & K. Kaveri (I BSc Physics) won I Prize in Independence Day Celebrations for Quiz conducted in our college.
- ▶ Students of the Department of Physics have won the II Prize in Independence Day Celebrations for Dance competition conducted in our college.
- ▶ A. Nivetha and Team (I BSc Physics) won III Prize in Independence Day Celebrations for Commercial Blast Ad Zap conducted in our college.
- ▶ V.Nandhini and S.Manoj won I Prize in Science Dump organized by SCIFITECH, Biochemistry Department.

Participation in other Institutions

- ▶ Students of I BSc Physics participated and presented papers in a National Conference on "Emerging Trends in Materials and Methods" at KSR College of Arts and Science for Women on 07.10.2015.
- ▶ Students of I BSc Physics participated in a National Seminar on "Advanced Materials and Solar Energy" at KPR Institute of Engineering and Technology on 28.10.2015.

Faculty participation

- ▶ Dr.R.Karunathan and Mrs. A. Saravanapriya participated in a National Conference on "Emerging Trends in Materials and Methods" (NCETMM-2015) 7th October 2015 in KSR Collge of Arts and Science for women.
- ▶ Dr.R.Karunathan and Mrs. A.Saravanapriya Participated in a National Seminar on "Advanced Materials and Solar Energy" (AMASE'2015) on 28th October 2015 in KPR Institute of Engineering & Technology, Coimbatore-07.

Student Publication

- ▶ Hariprashad Ravikumar (I BSc Physics) has published an article titled "Real Reason of Red-Shift" in International Journal of Mathematics and Physical Sciences Research Vol. 3, Issue 2, pp: (222-222), Month: October 2015 - March 2016 ISSN 2348-5736 (Online).



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