



Dr. N.G.P. ARTS AND SCIENCE COLLEGE

An Autonomous Institution, Approved by Government of Tamil Nadu
Affiliated to Bharathiar University, Coimbatore. Re-accredited by NAAC with 'A' Grade

Coimbatore - 641 048

News Letter 2017 - 18

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Department of Physics



Editor's desk

We are back with another issue. The issue has a lot of interesting department news which we are always abuzz with activities underneath. It is the efficiency of our students and staff that so many activities of different flavors keep taking place. 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 members are enriched with a team support in teaching and learning with a well-equipped laboratory, library and computing facilities.

Dr.M.Ramya

The Department of Physics @ DrNGPASC

The Department of Physics established in the year 2015, at Dr.N.G.P. Arts and Science College. It 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. The programme provides an excellent background for a wide variety of careers in science, science-related and technological fields. With a team of dedicated faculty members and substantial infrastructural facilities, we march towards Excellence!!

Vision

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

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.

Orientation Programme

- ❖ Orientation programme for the I Year (Aided wing) UG students was conducted on 19.06.2017 and 20.06.2017. First year students were welcomed in the traditional way by second and third year UG students. Dr. P.R.Muthusamy Principal, delivered speech on personality development and he explained the rules and regulations of the College.
- ❖ Mrs. R. REVATHI, Assistant professor of physics welcomed

the gathering and she gave wonderful lecture on applications and future of physics on 20.06.2017.

- ❖ Dr.M. RAMYA delivered a lecture on "Scope of Physics" for the first year students of the academic year 2017-18 batch, and she give the detail of various laboratories and Institutes for the students.
- ❖ Keynotes of "Nano materials and its applications" delivered by Dr.R. KARUNATHAN, Assistant Professor of physics for the first year students on 20.06.2017.
- ❖ Dr.S. MOHANRAJ, Head &Assistant professor of International business gave an innovative talk on "Skill development among the students community".





Workshop

Innovative Guest lecture

- ❖ Dr.M. SASI, Prof&head Department of Physics, Nirmala College for women has given a lecture on “Modern trends in Physics” for all UG Physics students on 22.08.2017.
- ❖ Dr.P. DEVARAJAN, Associate professor of physics, Government Arts and Science College, Coimbatore has given a lecture on “Microprocessor” for UG Physics students on 27.09.2017.
- ❖ Dr. KUPPUSAMY, Head-Dept. of Tamil delivered a special speech on “Moral values of Human being” for UG physics students on 16.09.2017.
- ❖ Dr.K. KUMARAVEL, Head-Dept. of Computer Science, has delivered a guest lecture entitled “Recent trends in Computer Technology” on 16.9.2017 for all UG physics students.
- ❖ Dr. MURUGANANTHAM, IAS Coordinator has presented the lecturer on “Tips for IAS training” for the all UG Physics Students.
- ❖ Mr. AMARNATH, Managing Director,Tamilnadu Energy Solutions Pvt.Ltd has given a lecture entitled “ Solar Energy and its utilization” on 05.02.18



Dr.K.Venkatachalam& Dr.R.Devaraj Professor of Government Arts and Science, Coimbatore has acted as resource person in One day workshop on “Microprocessor and its applications” on 27.9.16 for final year UG physics students.

Skill Development Program



Two days Skill development program on “Smartphone Servicing and Maintenance” was organized by Physics department in collaboration with new technology for I BSc physics students on 19/7/2017 to 20/7/2017.



Training Program



Mr.D.Jayaseelan from Petroleum Conservation Research Association (Ministry, Govt.of India) conducted an innovative training program on Energy Conservation (Gas and petroleum) for UG students.

Activities

- ❖ BSc Physics students were exhibited the Science models to school students in Physics Laboratory in Inspire Science camp, funded by Govt.of India.
- ❖ Dr.R. KARUNATHAN & Dr.P.SAKTHIVEL was organized the program “Sky watching event for Total lunar eclipse” with Students and public people on 31.01.18.
- ❖ Industrial visit to “Center for Nanoscience and Technology” in IISc Bangalore, final year UG Physics students on 22.9.17 to 23.9.17.
- ❖ II BSc students have undergone to visit ISRO , Bangalore on 09.02.18.
- ❖ Visited Radiology and Oncology Department in KMCH with UG physics students on 03.03.2018.
- ❖ A State level Intercollegiate Science Meet was conducted in commemoration with “Science Day” celebration and Dr.S.Jayakumar, Professor, PSG i- Tech, Coimbatore hoisted the event.



Extension Activities

PANORAMA association members (Dr.R.KARUNATHAN & Dr.PSAKTHIVEL and III BSc Physics Students) with Petroleum Conservation Research Association (Ministry,Govt.of India) Organized an awareness Program on “Pollution and Energy” significance to the public people in Rasipalayam village on 26.2.18.



Online course

Mrs.R. REVATHI and Mrs. A. Saravanapriya has completed Online course on “Electronic waste management” in NPTEL on March 2018.

Student Presentation & Participation Details in Conferences/Workshops & SDP 2017-2018

S. No	Name of the Student	Class	Date	Event	Topic	College
1	S.Nivetha, M.Meenambika, N.Kalaivani, K.Kaveri, V.GowthamBabu, J.Johnbosco,N.Yamuna, R.Hariprasad, S.Vignesh, S.Nivetha, S.Lakshmipriya, M.Malaiselvi, S.Manoj	III Physics	20.7.17 & 21.7.17	CSIR Sponsored two day National Seminar	Trending technology in gas sensors and solar panels	PA College of Engineering and Technology
2	K.R.Varcizini, R.Ashika, R.Banumathi, N.Divya, K.Anusha, R.Sona, D.G.Abinaya, K.Christoper Rozario, R.Sivananthavela, P.Dharun prasath	II Physics	20.7.17 & 21.7.17	CSIR Sponsored two day National Seminar	Trending technology in gas sensors and solar panels	PA College of Engineering and Technology
3	T.Vijayalakshmi, B.Sangeetha, M.Keevitha, N.Monisha, S.Keethirpriya, K.Kirthana, S.Vasuki, V.Masilakanmani, K.Nithyashree, R.Prakash, L.Hariharan, B.Anish, S.Tharunkumar, F.Joshua	II Physics	27.7.17 & 28.7.17	CSIR Sponsored two day National Seminar	Engineering Applications of Photonics using laser	PA College of Engineering and Technology
4	T.Jamuna devi, D.Pradeepa, S.Bhavya, C.Naandhini		27.7.17 & 28.7.17	CSIR Sponsored two day National Seminar	Engineering Applications of Photonics using laser	PA College of Engineering and Technology
5	Hariprasad Ravichandran, S.Vignesh, Nivetha Arumugam, Madhumaitha.G, M.Malaiselvi, J.Saranya, R.Aiswarya, P.DivyaBharathi, N.Priyadharsini, A.Manikandan, M.P.Sakthikumar	III Physics	21.10.17	National Seminar	Engineering Applications of Photonics using laser	SNR College of Technology, coimbatore
6	V.Sandhiyadevi, Hariprasad Ravichandran S.Vignesh, K.Bhuvaneshwari, S.Soniyarani, K.Christopher Rozario		11.01.18	State level Intercollegiate Quiz competition	COSMOS MYSTERIES	PSG College of Arts and Science
7	V.Gowthambabu, K.Bhuvaneshwari A.Kanimozhi, A.Vasudha	III BSc Physics		Vision nano'18 An idea contest		Sree Ramakrishna Engineering College

Department of Physics 2017-18 (Odd Sem)**Staff Participation**

S. No.	Name of the Staff	Date	Event	Topic	College
1.	Dr.P. Sakthivel	20.7.17 &21.7.17	CSIR Sponsored two day national seminar	Trending technology in gas sensors and solar panels	PA College of Engineering And Technology
2	Dr.M. Ramya	27.7.17 &28.7.17	CSIR Sponsored two day national seminar	Engineering Applications of Photonics using laser	PA College of Engineering And Technology
3	Dr.R. Karunathan	27.7.17 &28.7.17	CSIR Sponsored two day national seminar	Engineering Applications of Photonics using laser	PA College of Engineering And Technology
4	Mrs. Anu Haridas	27.7.17 &28.7.17	CSIR Sponsored two day national seminar	Engineering Applications of Photonics using laser	PA College of Engineering And Technology
5	Mrs.R. Revathi	27.7.17 &28.7.17	CSIR Sponsored two day national seminar	Engineering Applications of Photonics using laser	PA College of Engineering And Technology
6	Dr.P. Sakthivel	6.10.17&7.10.17	Science Academics Lecture's workshop	Shock Waves in Engineering Science and Medicine	Kumaraguru College of Technology,Coimbatore
7	Dr.M. Ramya	6.10.17&7.10.17	Science Academics Lecture's workshop	Shock Waves in Engineering Science and Medicine	Kumaraguru College of Technology,Coimbatore
8	Mrs.A. Saravanapriya	6.10.17&7.10.17	Science Academics Lecture's workshop	Shock Waves in Engineering Science and Medicine	Kumaraguru College of Technology,Coimbatore
9	Mrs. Anu Haridas	6.10.17&7.10.17	Science Academics Lecture's workshop	Shock Waves in Engineering Science and Medicine	Kumaraguru College of Technology,Coimbatore
10	Mrs.R. Revathi	6.10.17&7.10.17	Science Academics Lecture's workshop	Shock Waves in Engineering Science and Medicine	Kumaraguru College of Technology,Coimbatore
11	Dr.P. Sakthivel	10.10.2017 to 12.10.2017	Institute of Forest genetics and Tree Breeding	training program on "Bioprospecting and biopiracy"	Institute of Forest genetics and tree breeding,Coimbatore

Students' Participation in Inter Collegiate / Inter Departmental Events

S. No.	Inter Collegiate / Inter Departmental	Class	Date	Event	College	Prizes won
1	A. Nivetha & K. Bhuvaneswari	III Physics	13/7/17	Tech beat & Tech Expo	Dr NGPASC	FIRST
2	L. Hariharan R. Dharshan\Roshan John K. Christopher Rozario Tharun kumar Prakash	II Physics	21/9/17	Computer Science dept	Dr NGPASC	
3	K. Saranya	III Physics	13/7/17	Tech beat &Tech Expo	Dr NGPASC	FIRST
4	N. Priyadharsini A. Chellemeena & M.P. Sakthikumar	III Physics	13/7/17	Tech beat &Tech Expo	Dr NGPASC	FIRST
5	V. Gowthan Babu, S.Manoj S. Nivetha & A.S. Sivaramesh	III Physics	13/7/17	Tech beat &Tech Expo	Dr NGPASC	
6	S.Monish	I Physics	13/7/17	Tech beat &Tech Expo	Dr NGPASC	FIRST
7	K.Monikaa	I Physics		Chess competition	Dr NGPASC	
8	Lakshmi priya.S & Malaiselvi.M	III Physics	13/7/17	TECHZAMINE	Dr NGPASC	
9	S.Soniye Rani S. Keerthi Priya, R. Ashika K. Kirtahna & K.R. Varzini	II Physics	24/8/17	Commerce dept-Competition	Dr NGPASC	
10	R. Pooja S. Swetha R.Monisha S. Sakthiumadevi & S. Keerthana	I Physics	24/8/17	Commerce dept	Dr NGPASC	
11	K. Sneha S. Monish& J. Sandhiya jenifer	I Physics	24/8/17	Commerce dept	Dr NGPASC	
12	R. Ashika & K.R. Varczini	II Physics	21/9/17	Computer Science dept	Dr NGPASC	THIRD
13	K. Bhuvaneswari & A. Nivetha	III Physics	11/8/17	Brave Bharath - MIB dept	Dr NGPASC	FIRST

List of Students - Internship programme

S. No.	Roll No of the Student	Name of the Student	Programme
1	151PH002	Ajitha Jhansi J	S.S.Technovations, Coimbatore
2	151PH004	Aruna B	Airport, Coimbatore.
3	151PH005	Berlin T	Barani hydraulic private limited, Kalapatti
4	151PH006	Betty Anna Thomas	Dr.D.M.Wims Hospital, Wayanad, Kerala
5	151PH007	Bhavya S	BSNL Nilgiris Telecom district, Coonoor
6	151PH008	Bhuvaneshwari K	Radio Astronomy Centre, Ooty
7	151PH009	Chellameena A	Barani hydraulic private limited, Kalapatti
8	151PH010	Diana C	BSNL Nilgiris Telecom district, Coonoor
9	151PH012	Ganga devi V	Bull machine private limited, Sular
10	151PH013	Gomathi K	BSNL Nilgiris Telecom district, Coonoor
11	151PH014	Gowthambabu V	All India Radio, Ooty
12	151PH016	Jamuna Devi T	BSNL Nilgiris Telecom district, Coonoor
13	151PH019	Kalaivani N	Central Electro chemical Research Centre, karaikudi
14	151PH021	Kaveri K	Central Electro chemical Research Centre, karaikudi
15	151PH022	Kavitha M	Bull machine private limited, Sular.
16	151PH023	Lakshmipriya S	Radio Astronomy Centre, Ooty
17	151PH024	Madhumitha G	Udhaya semi conductors, Neelampur, Coimbatore.
18	151PH025	Malaiselvi M	Central Electro chemical Research Centre, karaikudi
19	151PH030	Meenambika M	Central Electro chemical Research Centre, karaikudi

20	151PH031	Nandhini C	BSNL Nilgiris Telecom district, Coonoor
21	151PH032	Nivetha A	Radio Astronomy Centre, Ooty
22	151PH033	Nivetha S	Central Electro chemical Research Centre, karaikudi
23	151PH034	Pradeepa D	BSNL Nilgiris Telecom district, Coonoor
24	151PH035	Premalatha G	Barani hydraulic private limited, Kalapatti
25	151PH036	Priyadharshini N	
26	151PH037	Rihana N	Airport, Coimbatore
27	151PH039	Sandhiyadevi V	Airport, Coimbatore
28	151PH040	Santhiya K	Airport, Coimbatore
29	151PH044	Sneha K S	Dr.D.M.Wims Hospital, Wayanad, Kerala
30	151PH045	Sreenanda B	Dr.D.M.Wims Hospital, Wayanad, Kerala
31	151PH048	Suvathini M	Udhaya semiconductors, Neelampur, Coimbatore
32	151PH049	Thenmalar M	Udhaya semi conductors, Neelampur, Coimbatore
33	151PH051	Vignesh S	Central Electro chemical Research Centre, karaikudi
34	151PH052	Yamuna N	Printronic panel board and control board manufactures, Coimbatore
35	151PH053	Ragavi S	Udhaya semi conductors, Neelampur, Coimbatore
36	151PH056	Deepa A	Airport, Coimbatore
37	151PH058	Vasugi P	Greenssure Power private Limited, Chennai
38	151PH059	Saranya J	Radio Astronomy Centre, Ooty

Staff Publications

S. No.	Presentation / Publication	Name of the Faculty	Date	Journal Name / Conference Name	College	Publication Details/Topic
1	Publication	Dr.R. Karunathan	8-2017.	J Mater Sci : Mater Electron	-	Experimental and theoretical perspectives on 2-amino 5-bromopyridinium salicylate: a third order nonlinear optical Material.
2	Publication	Dr.R. Karunathan	print	International Journal of Innovations in Scientific and Engineering Research (IJISER)	-	Theoretical studies on 3-aminorhodaninederivatives in the gas phase: charge delocalization and NLO properties
3	Publication / Presentation	Mrs.R. Revathi	Vol. 1 Iss. 1 Year 2018 DOI: 10.26524/hr1813	National Conference on Emerging materials for sustainable future	PSG College of Technology, Coimbatore	Structural And Optical Properties Of Thermal Evaporated In 2 Te 3 Thin films
4.	Publication / Presentation	Dr.R. Karunathan	Vol. 1 Iss.1 Year 2018 Pp 19-22	Chemical Letters		Effect of Gamma Irradiation on Structural properties of CdTe thin films

List of placed students Batch 2015

S.No	Students NAME	COMPANY
1	Kaveri.K	Winner Education
2	Karthika.S	Winner Education
3	Priyadharsinsi.N	Winner Education
4	LakshmiPriya.S	Winner Education
5	Ajitha Jahansi.J	Winner Education
6	Saranya.J	Winner Education
7	Sneha.K.S	Winner Education
8	Santhiya.K	Winner Education
9	Berlin.T	Winner Education
10	Premalatha.G	Winner Education

11	Madhumitha.G	Winner Education
12	Meenambika.M	Bright Star Educational Institution
13	Thenmalar.M	Bright Star Educational Institution
14	Bhuvaneswari.K	ACCESS Health care
15	Nivetha.S	ACCESS Health care
16	Jamuna Devi.T	ACCESS Health care
17	Bhavya.S	Visionary RCM
18	Bhuvaneswari.K	Visionary RCM
19	Sandhiyadevi.V	Visionary RCM
20	Malaiselvi.M	Visionary RCM



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