

*Nothing Happens Until Something Moves...*

# BON SECOURS COLLEGE FOR WOMEN

NAAC Accredited with 'A' Grade (Affiliated to Bharathidasan University,  
Recognized by UGC under section 2(f) & 12(B))

VILAR BYPASS, THANJAVUR - 613 006



## Department of Physics



### OVERTURE

The Department of Physics commenced functioning in the year 2003 with the undergraduate and post graduate programme. It gives great importance to academic as well as co-curricular activities. The department has well equipped lab and library facilities to provide a favorable ambience for learning. M.Phil., programme was established in the year 2017-2018 in order to create research attention among the students that would facilitate and encourage many young minds to do new things in research concerns. This academic year 2018-2019 began with a positive intention to raise contribution for an overall progression of academic performance.



### 12.07.2018 : INSTALLATION OF GALAXY ASSOCIATION

Inauguration of the Galaxy Association was held on 17<sup>th</sup> July, 2018. Mr. Vellaisamy Nadar, Chairman of Nalli kupusamy College for Arts & Science, Thanjavur inaugurated the association activities. The intention is to nurture and enhance young mind by imparting students participation in various event organization.

### 13.07.2018 : INTRA DEPARTMENTAL COMPETITION

To enhance the teaching-learning experience and to create an effective explanation of physical concept, the association took an initiative to conduct various competitions among the students. Students are actively participated in the competition.







## 24.08.2018 : SCIFEST-18

Department of Physics, Chemistry and Biotechnology jointly organized an intercollegiate competition SCIFEST-2018. It was an event of fun filled learning. Around 200 students from 14 colleges in and around Thanjavur participated in the event. Shiv Dewan, Co-Founder, One stepup Education Services Pvt. Ltd, New Delhi & Mr. Subramaniam Annamalai, CEO, Renault, Thanjavur were the chief guest and they delivered the valedictory address and prizes were awarded to the participants.

## 10.09.2018-14.09.2018 : OZONE DAY OBSERVATION

Ozone day was observed in order to make the village people aware about the ozone layer depletion and its impact on human life. Association students organized a programme about ozone depletion from 10.09.2018 to 14.09.2018 in the villages.

The theme was to galvanize all the people to increase their efforts to address the challenges. Keeping this as the objective, a talk introducing the meaning and the impact of ozone depletion, a skit depicting the cause of ozone depletion, an awareness towards environmental cause and a collective pledge taken, by the staff, the ents and that area people in the villages such as Kollankarai, Vilar, Kandithambattu help to save and protect the ozone layer, formed the agenda of the day.



## 29.10.2018-02.11.2018 : INDUSTRIAL VISIT

To make learning of the subject more interesting and interactive, a visit to Vasanthi Steel Foundries, Coimbatore, was organised for the final year B.Sc. and M.Sc., students from 29<sup>th</sup> October 2018 to 2<sup>nd</sup> November 2018. This helped the students in understanding some of the concepts of materials. Final year UG and PG students were benefited from the field visit.





## 01.10.2018 : SPECIAL LECTURE



Special lecture on UV –visible spectroscopy" was given by Dr.S.Ravishankar, Assistant Professor of Physics, Rajah Serefoji Government College (Autonomous), Thanjavur to our final year B.Sc., and M.Sc., students on 1<sup>st</sup> October 2018. He delivered a brain storming session on instrumentation and analytical technical ideas to the students.



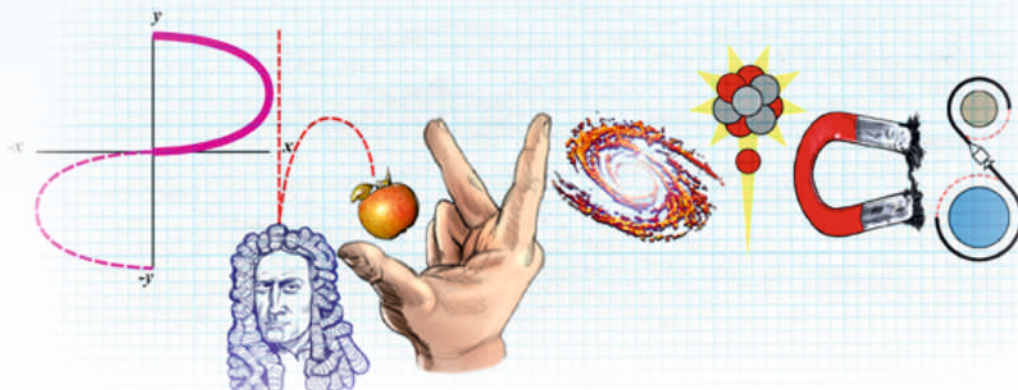
## 04.12.2018 : HRT-AWARNESS CAMPAIGN

Department of Physics and Chemistry jointly organised a Awareness Campaign against "Radiation & Toxic Hazards to the Rural School Students" sponsored by TamilNadu State Council for Science and Technology under Popularization of Science Activities in the Government Higher Secondary school, Vaduvor. Competitions for the school students were conducted and the winners were honoured with shield and certificate.



## 05.01.2019 : CAREER PERCEPTION PROGRAM

Department of Physics organized a CPP with intention to prepare students for diverse paths including the need for more opportunities to learn innovative techniques in the field of research in Physics. Dr. S. Dheivamalar, Assistant Professor of Physics, P.G & Research Department, Periyar E.V.R.College,Trichy and Dr. T.C Sabari Girisun, Assistant Professor, School of Physics, Bharathidasan University, Tiruchirappalli were the resource persons.





## 28.02.2019 : NATIONAL SCIENCE DAY-OXY PARK INAUGURATION

In order to observe the National Science Day, Department of physics jointly organised the inauguration of Oxy Park with other science departments. As the bamboo emits the oxygen gas through out the day and we can create a green campus through the oxy park that makes the campus green and safe.



## FACULTY ACTED AS CHAIR PERSON



**Dr. N. Anuradha**, Assistant Professor & Head Department of Physics, has acted as an esteemed Evaluator for SCOPE (Specific Concept Oriented Programme) Special project- District Level Meet 2018-19 held at Rajah's Higher Secondary School, Thanjavur on 27.02.2019.

**Ms. K. Kalpana**, Assistant Professor of Physics, has served as an External Judge in the workshop on Microprocessor Architecture and Assembly Language Programming – (WMAALP-2019) organized by the Department of Physics, A.V.V.M Sri Pushpam College, Poondi held on 7<sup>th</sup> January 2019.





## STAFF ACHIEVEMENT

- ❁ **Dr. N. Anuradha** has published a paper in STM journals by name Nano Trends: Journal of nanoscience and nanotechnology entitled “Dielectric studies of ZrO<sub>2</sub> semiconducting oxide materials and its characterisation”.and also published a paper entitled "Performance of solar cell fabricated using Tio<sub>2</sub>:rGo on glass on Si substrate prepared by thermal evaporation technique" in Internation Journal of Bio-Pharma Research.
- ❁ **06.09.2018 : Ms. T.Vijaya, Ms. A. Sirumalar, P. Ramya and Ms. A. Vivetha** were attended one day FDP on “Enhancing Teaching and Research Capabilities” conducted by the Department of Commerce, Bon Secours College for Women, Thanjavur.
- ❁ **01.10.2018 : Dr. N. Anuradha**, Head, Department of Physics, attended a orientation workshop on Accrediting the Unaccredited constitutions in South Eastern Region organized by UGC, South Eastern Region, Hyderabad & NAAC, Bangalore on at Dr. B. R.. Ambedkar Open University, Hyderabad.
- ❁ **04.10.2018 & 05.10.2018 : Ms. K.Kalpana**, Assistant Professor of Physics attended two days workshop on Research Methodology, Manuscript Writing and Statistical Data Analysis organised by Internal Quality Assessment cell, A.V.V.M Sri Pushpam College, Poondi.
- ❁ **12.10.2018 : Ms. K. Kalpana**, Assistant Professor of Physics has published a paper entitled “Enhancement of Dye Degradation Efficiency of ZnO/Ag film deposited on flexible stainless steel mesh” in Material Research Express.
- ❁ **28.11.2018 : Dr. N. Anuradha**, Head, Department of Physics attended “Orientation Programme of exam Superintendents towards Conduct of December- 2018 Term End Exam of IGNOU” at IGNOU Regional Centre, Madurai.
- ❁ **09.01.2019 : Dr.K.Catherine Siriya Pushpa**, Assistant Professor of Physics attended a FDP program on Promotion of API score and CAS filing conducted in Periyar EVR college, Trichy.
- ❁ **25.01.2019 : Ms. T.Vijaya**, Assistant Professor of Physics attended a FDP on National Workshop entitled “Assessment and Accreditation of Higher Education Institutions” organised by internal quality cell, A.V.V.M Sri Pushpam College, Poondi.
- ❁ **30.01.209 & 31.01.2019 : Ms. K. Kalpana**, Assistant Professor of Physics attended a National Seminar on Best Practices of Top NAAC accredited institution organized by Annamalai University, Chidambaram.
- ❁ **04.02.2019 – 06.02.2019 : Ms. K. Kalpana and Dr. K. Catherine Siriya Pushpa**, Assistant Professor of Physics participated and presented a paper in the International Conference organized by the Department of Physics, National College, Trichy.





7<sup>th</sup> Rank-S.Monisha

## University Rank Holder



4<sup>th</sup> Rank-A.Risha

### STUDENT'S ACHIEVEMENT

- **28.07.2018** : R. Divya, II B.Sc., and S.Abirami II B.Sc., were participated and received the First prize in Quiz competition conducted by a A.Y.A Sports and Family Club, Thanjavur.
- **04.09.2018** : J.Amalajothi II B.Sc., has delivered a talk in the awareness programme at St.Isabel's Girls Hr.Sec School, Pattukkottai conducted by Naruvi Tamil Sangam, Bon Secours College for Women, Thanjavur.
- **06.09.2018** : J.Amalajothi II B.Sc., has delivered a talk in the awareness programme at R.C.Fathima matriculation Hr.Se.School,Thiruvarur, conducted by Naruvi Tamil Sangam, Bon Secours College for Women, Thanjavur.
- **07.09.2018** : J.Amalajothi II B.Sc., has delivered a talk in the awareness programme at St.Theresa matriculation school Thiruthuraipoondi. , conducted by Naruvi Tamil Sangam, Bon Secours College for Women, Thanjavur.
- **S.Sweatha III B.Sc.**, has won 2<sup>nd</sup> prize in the quiz competition held at A.V.V.M Sri Pushpam college at Thanjavur.
- **16.12.2018** : P. Elakkiya has been participated in Gaja Cyclone Medical Camp, organized by Lions Club at Thanjavur.
- **19.07.2018** : **Around 22 Students** of our department were received prizes for various events in BONFEST organized by Bon Secours College for Women, Thanjavur.
- **P. Elakkiya** has been received 1<sup>st</sup> prize and 2<sup>nd</sup> prize in skit and mime respectively and also won variety runner in "SYISHYAS" conducted by Srimad Andavan Arts and science college, Trichy from (14.02.2019) to (16.02.2019).
- We proudly quoted our Student **P. Elakkiya** has been received 1<sup>st</sup> prize in the event skit and mime , 2<sup>nd</sup> in monoacting and 4<sup>th</sup> prize in one act play in BDUFEST (Inter-collegiate cultural convergence) organized by Bharathidasan university, Trichy.
- **14 UG Students and 1 PG Student** have been recruited by the recruiters in the job fair which was conducted by the placement cell.



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