

Loyola Physics Association (LPA) Annual Report 2016-2017

The Loyola Physics Association began during this academic year with the inauguration by Dr. Stephen associate professor from the department of nuclear physics, Madras University. His specialisations include electro deposition, magnetic nanomaterials, photo catalytic materials nanocomposites and XRD. He emphasised on the importance and future of physics and the role students have to play.



Ms. **Apoorva Jeyaraman** give a seminar on the topic “**The lost population in the milky way**”. She is a well-known personality for her expertise in Bharatanatyam. But her journey as an astrophysicist began as masters in Astronomy from **Oxford University** and PhD from the **Cambridge University**. She explained the changes in the environment of

the next generation of galaxies. Later she also interacted with the students and clarified their doubts.



The next event was organised by breakthrough Science society and LPA. The chief guest was **Dr. K. G. Arun, from Chennai Mathematical Institute, who is also a proud member of LIGO (Laser Interferometer Gravitational waves-Observatory)** scientific collaboration. He mainly dealt with the algorithms to compensate the unnecessary noises in the observed data from LIGO i.e. to eliminate waves other than gravitational waves from the data observed from this observatory.



Research:

The department of physics was at its peak in its field of research this year under the guidance of the HOD Dr. P.Sagayaraj and faculty members Dr. Joe Jesudurai, Dr. S. Jerome Das, Dr. Pauline, Dr.V.Joseph Dr. J. Madavan, Dr. Marline Shyla Dr. Mary Linet, Dr. Nirmala Jothi and Dr. Victor Antony raj. The achievements in research include, S. John Sundaram who won the BEST POSTER PRESENTATION AWARD at the International seminar on nanoscience and technology (ISNST 2016). Sr. Priya Antony won the ORAL PRSENTATION AWARD at International Seminar on Material Science and Applications (ISMSA 2016). Mr. M. Akilan won POSTER PRESENTATION

AWARD at International seminar on materials science and Applications (ISMSA 2016). Then A. Karolin Martina won Poster presentation Award (3rd Prize), International seminar on materials science and Applications (ISMSA 2016). Then Mr. Pugazhendi who won Dr. A.P.J Abdul Kalam best paper award in Chennai Nano gathering 2017. This was followed by Ms. P Annie Vinosha who won THE BEST PAPER AWARD in the International Conference on Recent Advances in Material Chemistry (ICRAM 2017) organized by the Department of chemistry, SRM University.

The 100th PhD Viva Voce examination was conducted this year in our department. Commemorating this occasion the instrumentation facility, Christoph Scheiner astrophysics lab telescope and the Centennial PhD hall were instituted in the Department of physics.

Ovations:

In Ovations '16 our physics department students had participated and qualified for various events and significantly won 2nd place in short film making. The short film was shot by **Vinit Yuvaraj, Joseph Zachariah and Gobinath.**

Sports:

The achievements in sports include a 2nd place in Javelin throw, secured by Avinash and 3rd place in shot put secured by Ambarish Jeya Mano.

Intercollege competitions:

The students of our college had actively participated in various events and competitions conducted by various colleges like Ethiraj College, Stella Maris, WCC and MCC. They won many prizes and awards but the most significant one was **winning WCC overall trophy and 2nd in MCC. J.Anuj of 3rd B.Sc Physics has participated in the state level Intercollegiate Quiz competition organized by IGCAR.**

John George D'Couthd II B.Sc., Physics (Shift-I) secured Novice finalist position in 2nd Adv Bhagat Slc Parliamentary Debate in Symbiosis Law School in pune.

Participated in the fourth edition of stella maris College Parliamentary Debate 4 held on 23-25 jan 2016.

Participated in novice finalist in the 7th Annual M.S Ramaiah Memorial Parliamentary Debate held on 20-22 Aug 2016.

Participated in Road to the White House 2016 Election, organized by The American Library, U.S Consulate General held on 21 Sep 2016.

Won 3rd in *Pot Pourri* event of the inter collegiate at departmental competitions organised by Stella Maris College held on 4th Feb 2017.

Won 2rd in Debate event of the inter collegiate at departmental competitions organised by Stella maris College held on 4th feb 2017.

Won 1st place in the Extempore Competition in the inter-collegiate event SPECTRA organised by Madras Christian College.

Won 1st price in Debate [Best Speaker] at inter collegiate Management meet, La Corrida '17 organised by Madras Christian College held on 13th Feb 2017.

Won 3rd place in the inter-collegiate Quiz Competition, organised by Lion Club of Central Madras held on 25th Mar 2017.

H. Sreekanth II B.Sc.,Physics(Shift-I)

Participated in Road to the White House 2016 Election, organized by The American Library, U.S Consulate General, Chennai held on 21 Sep 2016.

Participated in novice finalist in the 7th Annual M.S Ramaiah Memorial Parliamentary Debate held on 20-22 Aug 2016.

Participated in the fourth edition of Stella Maris College Parliamentary debate 4 held on 23-25 Jan 2016.

Won 2nd place in the Quiz Competition in the inter-collegiate event SPECTRA organised by Madras Christian College.

Won 1st in Debate event of the inter collegiate at departmental competitions organised by Stella maris College, Chennai held on 4th Feb 2017.

Won 2nd place in the Paper Presentation Competition in the inter-collegiate event SPECTRA organised by Madras Christian College.

Won 1st position in the State Level Inter Collegiate Quiz competition organised by Indira Gandhi Centre for Atomic Research (IGCAR) Kalpakkam held on 17th Mar 2017.

Won Semifinalist position in the State Level Inter Collegiate Quiz competition organised by Indira Gandhi Centre for Atomic Research (IGCAR) Kalpakkam held on 21th Mar 2017.

Won 3rd place in the Break the Sphinx Competition in the inter-collegiate event SPECTRA -16 organised by Madras Christian College, Chennai held on 9th Mar 2016.

Won 2nd place in the Debate Competition in the inter-collegiate Event SPECTRA -16 organised by Madras Christian College, Chennai held on 9th Mar 2016.

Participated in Lsense Botz at Zonal Centre, organised by ARK Techno Solutions & Robokart.com in Association with Amalgam, IIT Madras held on 22-23 Sep 2015.

Participated in the fourth edition of Stella Maris College Parliamentary Debate 4 held on 23-25 jan 2016.

Won 2rd place in the Debate Competition in the inter-collegiate event SPECTRA -16 organised by Madras Christian College, Chennai held on 9th Mar 2016.

Participated in novice finalist in the 7th Annual M.S Ramaiah Memorial Parliamentary Debate held on 20-22 Aug 2016.

D.Rithish II B.Sc Physics(shift-I)

Won 2nd place in the Break the sphinx Competition in the inter-collegiate event SPECTRA -16 organised by Madras Christian College, Chennai held on 9th Mar 2016.

Won 2nd place in the Extempore Competition in the inter-collegiate event SPECTRA organised by Madras Christian College, Chennai.

Won 2nd in Debate event of the inter collegiate at departmental competitions organised by Stella Maris College Chennai held on 4th Feb 2017.

Participated in Lsense Botz at Zonal Centre organised by ARK Technosolutions & Robokart.com in Association with Amalgam, IIT Madras held on 22-23 Sep 2015.

Participated in Debater at the Soundarya Debate India Open 2017.Organised by Soundarya Institute of management & Science, Bangalore, held on 14-16 Jan 2017.

Daniel Rajan has Won 2rd place in the Event Bah Fest participated in the inter-Collegiate physics Cultural Fest Hi- φ Melior 2017 organised by Women Christian College, Chennai held on 27 Feb 2017.

Educational Tour and Field Visit:

A field visit to the Meteorological Centre located in Meenambakam was organised for the Final year students. There they witnessed the helium air balloon used to monitor the weather. Final year students have gone for an educational tour for four days.

Department festival: Physics 2016

The Department festival held was a grand event. The students conducted many programmes and many college students from the city have participated enthusiastically. There were eight major events. The students themselves conducted the programs. 4th Dr.P.Sagaya raj Endowment lecture was conducted on 6/3/16 and Dr.Atanu Dutta, head of the department, Department of Science and Humanities, VIT university, Vellore, delivered the lecture.





Thank you.