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Venue

Joseph's Hall

St. Joseph's Degree & PG College
King Koti, Hyderabad- 500029

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Science Academies' Lecture Series on

"Role of Mathematical Sciences in Digitalization"

7th & 8th September 2016

Sponsored by



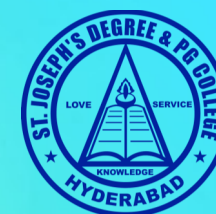
Indian Academy of Sciences
Bangalore



Indian National Science Academy
New Delhi



The National Academy of Sciences
Allahabad



Organized by

Department of Science

St. Joseph's Degree & PG College

(Autonomous) - Affiliated to Osmania University, Hyderabad

Re-accredited by NAAC with 'A' grade with a CGPA of 3.49

King Koti, Hyderabad- 500029

About the Science Academics

The Indian Academy of Sciences, Bangalore, was founded in 1934 by Sir C.V. Raman with an objective of promoting the progress and upholding the cause of science in pure and applied branches. Major activities include publication of scientific journals and special volumes, organizing meetings of the Fellowship and discussions on important topics, recognizing scientific talent, improvement of science education and taking up other issues of concern to the scientific community.

Indian National Science Academy, New Delhi, founded in 1935, is a premier science Academy in the country, plays crucial role in promoting, recognizing and rewarding excellence. Another important task is to publish journals, organize scientific discussions and bring out proceedings and monographs.

The National Academy of Sciences, Allahabad, was founded in 1930. The main objective of the Academy is to provide a national forum for the publication of research work carried out by Indian scientists and to provide opportunities for exchange of views among them.

About St. Joseph's College

St. Joseph's Degree & PG College, a Catholic Minority Institution, established by HAES (Hyderabad Archdiocese Educational Society) in the year 1997 has emerged as a synonym for "Distinct Environment of Excellence in Education" which is envisioned and endorsed through the exemplary motto of "Knowledge, Love and Service", integrating the core values of the college with the modern objectives and goals of higher education. St. Joseph's is located at the heart of the Hyderabad city, Telangana just 2 kilometers away from the State Assembly.

St. Joseph's sought Autonomy in the year 2010 and was conferred the status in March 2011 and is Re-accredited by NAAC with "A" Grade with a CGPA of 3.49 in August 2014. Reaping the benefits of Autonomy the college offers a wide range of Under Graduate and Post Graduate Courses in Science, Commerce, Management, Mass Communication and Journalism.

A Glance at the Department

The Department of Sciences was established since the inception of the college in 1997. The department of Mathematics and Statistics along with Physics, Electronics and Computer Science aim at promoting scientific temperament and problem solving abilities among students for excellence in interdisciplinary domains.

The Department offers UG programmes in Mathematical Sciences which are innovatively designed and updated to keep pace with Emerging Global Trends in Academics and Industry. The Department emphasizes on experiential learning through various innovative programmes which include industrial visits, seminars/workshops/guest lectures, exhibitions, mini projects for the holistic development of the students. St. Joseph's college is consistently ranked among the top 10 Science Colleges in the twin cities of Hyderabad & Secunderabad and among top 50 colleges at all India level by print media.

Objective of the workshop

Science Academies' Lecture series on "**Role of Mathematical Sciences in Digitalization**" is being organized for the first time by the Department of Science, St. Joseph's Degree & PG College, which would be an added source of inspiration to the science students, as well as teaching fraternity. The objective of the Two day lecture series is to widen the horizons of the domain knowledge and expertise on the rapid changes in the evolution of sciences which stimulates the students for Higher Learning and High-level Research work in the area of Sciences keeping in view the fact that Science and Technology is tuning the world into a global village.

Sub Themes

- Use of topological dynamics in three problems of digitalization
- Sentiment Analysis/Opinion Mining
- Satellite Remote Sensing Applications
- Computational Physics and the Application of Mathematical Techniques.
- Data Sciences, its Relevance and Importance
- The importance of Statistics for Digital Communication

Resource Persons

1. Prof. V. Kannan, School of Mathematics & Statistics, HCU, Hyderabad
2. Prof. Bulusu Lakshmana Deekshatulu, IDRBT, Hyderabad
3. Prof. Durga Prasad Rao, Former Director, NRSA, Hyderabad
4. Prof. V. S.S.Sastry, School of Physics, HCU, Hyderabad
5. Prof. V.V Hara Gopal, Department of Statistics, OU, Hyderabad
6. Prof. K. Veerabhadra Rao, Department of C.S.E, OU, Hyderabad

Note: No registration fee for participants