

ANALYTICAL SCIENCE ASSOCIATION (ASA)
ANNUAL REPORT
(2014-2015)

Staff Advisors

Ms. P.Krishna Kumari (Department of Mathematics)
Dr. G.Durga (Department of Chemistry)
Ms. K.Sirisha (Department of Physics)
Ms. M.S.Naga Laxmi (Department of Computer Science)

Student Advisors

President: Amrita Singh (III MPCSc.)
Secretary: Vinita (II MPCSc.)
Joint Secretary: Alekhya (II MPC)
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Representatives: Puja Kumari (II MPCSc.)
Bhargavi (II MPC)
Riya (I MPCSc.)
Snigdha Malladi (I MPCSc.)

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REPORT

DEPARTMENT OF MATHEMATICS

Competitions and Activities Conducted

- Mathematics Written Quiz (Open For All) Dated: 4 September 2014
- Name of the Mathematician (Open For All)
Dated: 15 September 2014
- Number Puzzle (Open For All)
Dated: 15 September 2014
- Mathematics Written Quiz (For Maths Students only)
Know Your Mathematics-Mathematrixs

- Dated: 7 January 2015
- Verbal Mathematics Quiz (Team Competition)
8 Teams participated, 4 Members each
Dated: 9 January 2015
- Solo Singing Competition (Open for All)
Jury: P Krishna Kumari (Dept. of Mathematics)
Dated: 27 January 2015
- Mathematics Written Quiz (For Teachers)
Know Your Mathematics-Mathematrixs
Dated: 28 January 2015
- Poster Presentation (Open for All)
Jury: P Krishna Kumari (Dept. of Mathematics)
Dr. K.Radha Krishna (Dept. of Physics)
Dr. K Devendra Vijaya (Dept. of Chemistry)
Ms. Manju Pathania (Dept. of Computer Science)
Dated: 30 January 2015
- Logical Reasoning Competition (Open for All)
Dated: 16 February 2015

GUEST LECTURES

- Topic: Online Learning Resources
Dated: 3 September 2014
Details: Dr. Y Fatima Rani
Lecturer in Library Sciences
St. Joseph's College for Women (A)
Visakhapatnam - 530004
- Topic: Career as Armed Force Commissioned Officer
Dated: 1 December 2014
Details: -Comd. Alok Kumar
Commander
Coast Guard Headquarters
Malkapuram, Visakhapatnam
- Defence Court Marshal
Ujjwal Kumar Ghatak
Social Activist and Military Advocate
Visakhapatnam
- Topic: Career Opportunities in Mathematics
Dated: 17 December 2014
Details: Prof. V Uma Maheswara Rao
Department of Applied Mathematics
Andhra University, Visakhapatnam

EXTENSION WORK/OUTREACH INITIATIVE

Faculty members and students of Dept. of Mathematics (St. Joseph's College, Visakhapatnam) conducted an orientation session to IX and X class students of St. Peter's School, Gnanapuram, Visakhapatnam on 28 January 2015.

Attended by nearly 110 students, important aspects of 3-D Geometry, Trigonometry and mind teasing puzzles have been explained to the students effectively.

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DEPARTMENT OF PHYSICS

Competitions and Activities Conducted

- Electronic General Quiz (Open for All)
33 Teams participated, 3 Members each
Dated: 28 August 2014
- Snap-a-Shot Photography Competition (Open for All)
Theme: Clean and Safe City
14 entries
Dated: 21 January 2015
- Paper Presentation Competition (For II MPC and MPCSc. Students)
Topic: Physics in Everyday Life
Dated: 10 February 2015

EXHIBITION

An exhibition for school children of St. Joseph's was conducted by the Dept. of Physics (St. Joseph's college, Visakhapatnam) on 4 September 2014 on the theme "Experimental Physics" which was attended by 240 students.

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DEPARTMENT OF CHEMISTRY

Competitions and Activities

- Quiz on Photochemistry and Phase Rule
5 Teams Participated
Dated: 15 July 2014
- Participated in a 2-day National Chemistry Fest
CHEM COGNIZANCE 2014 hosted by Andhra Loyola College (Autonomous)
Dated: 11 December 2014
 - ✓ 3 MPC students from St. Joseph's College Visakhapatnam won 1st prize in Group Discussion on "Green Techniques in Environmental Chemistry".
 - ✓ 1st prize in Laboratory Skills Rapid Titrations
 - ✓ 2nd prize in Laboratory Skills Organic Analysis

- ✓ Students also participated in “Role of Chemistry in Ayurveda” paper presentation.
- “INSPIRE” Dept. of Science and Technology India camp conducted by Andhra University during 22-26 December 2014 was attended by 29 students of St. Joseph’s College, Visakhapatnam, the largest contingency ever.
Eligibility: CGPA of 9.2 and above.

GUEST LECTURES

- Topic: Importance of Chemistry in Everyday Life
Dated: 22 November 2014
Details: Dr. Sabitha Nair
Post-Doctoral Fellow
NIMHAS Bangalore
Target: PG Life Science Courses and Final Year BBC and CBZ students.
- Topic: Microbial Resistance Antibiotic Susceptibility
Dated: 16 December 2014
Details: Dr. P Lakshmi
Asst. Professor
Dept. of Microbiology
Andhra University, Visakhapatnam
Target: Final Year Degree Students.
- Topic: Need to ban Nuclear Weapons
Dated: 30 January 2015
Details: Mr. J Narayana Rao
Director
Global Networks against Nuclear Weapons
Nagpur
Target: Final Year Degree Students.
- Topic: Aromaticity
Dated: 20 February 2015
Details: Dr. S Paul Douglas
Asst. Professor
Engineering Chemistry
Andhra University, Visakhapatnam
Target: I Year Degree MPC, BBC, CBZ students.

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DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURES

- Topic: Big Data
Dated: 5 December 2014
Details: Sri T Gangadhar & Hadoop Mobile Apps
Target: II and III Degree Computer Science students