

ANALYTICAL SCIENCE ASSOCIATION REPORT

2016-2017

ASA STAFF ADVISORS

Dr. Capt.K. Sujatha (Department of Mathematics)

Dr. P. Sarada (Department of Chemistry)

Mrs Ferose Begam (Department of Computer Science)

Mrs Deepthi (Department of Physics)

Ms. G. Vanajakshi (Department of Statistics)

ASA STUDENT COUNCIL MEMBERS

Name of the Student	Group/Class	Position
P.Usha Sri	III Bsc MPCs	President
J. Kusuma	III Bsc MPCs	Treasurer
B.Varalakshmi	II Bsc MPCs	Joint Secretary
S. Charisma	II Bsc MPC	Secretary
Yogitha Sharma AB 764	III M.P.C	Member
E.Kavya AB 775	III M.P.C	Member
S.CharismaAC344	IIM.P.C	Member

Co-Curricular Activities in the Departments:

S.No	Department	Name of the Activity	Topic	Date	Winners
1	Chemistry	Seminars			
		D.Sudha Rohini (AB755)	Work of Expansion	21/02/17	
		Yogitha Sharma (AB764)	Kirchaff's Equation	21/02/17	Won the III prize
		Sheetal (AB722)	E-Z Configuration	21/02/17	
		Dipti Rani Pal (AB722)	Carnot Cycle	21/02/17	

		M.Snigdha (AB754)	Conformational Isomerism	22/02/17	Won the Iprize
		Deepti Kumari	Optical Isomerism	22/02/17	
		Kavya	1 st Law of Thermodynamics	22/02/17	
		Rupali	Cp andCv -Heat capacities and their relation	23/02/17	Won the IIprize
		B.Mounica	Bond theory of Solids	23/02/17	
		Sasikala(AA 430)	Asymmetric Synthesis	23/02/17	
		B.Anamika (AB997)	Enantiomers & Diastereomers	23/02/16	Won the IIprize
		Ruchika Sharma (AB973)	1 st Law of Thermodynamics- Mathematical expression, limitations.	23/02/17	Won the Iprize
		Bhargavi .P (AB925)	Semiconductors, Insulators, conductors	24/02/17	
		Geetha .M (AB925)	Carnot's cycle	24/02/17	Won the IIIprize
		Venkata TejaSri (AB921)	Pericyclic Reactions	24/02/17	
		J. Sirisha(AB913)	Organo Metallic Compounds	24/02/17	
		J. Sirisha(AB913)	Protein ter. Structure	07/12/16	Won I place
		Greeshma reddy	Protein sec. Structure	07/12/16	Won II
		Anamika (AB997)	Protein Pri.Structure	07/12/2016	
		Sashikala AB 430	Protein sec. Structure	07/12/16	
		E.Kavya	Medicinal plants	19/01/17	WON I Place (ASA)
2	Computer Science	Proficiency Test	C Language	18/2/2017	V Nadiya K Sai Sireesha
		Proficiency Test	C, JAVA, DS	18/2/2017	P Sridevi H Dhanalakshmi
		Proficiency Test	C, JAVA, DS, CN, SE	18/2/2017	P Kavya Shail Najiya Begum
		Seminars – Latest Emmerging	BLUEYE TECHNOLOGY	24/1/217	K. Swati Riya Sharma

		Trends			
		Seminars – Latest Emerging Trends	BRAIN GATE TECH	23/1/2017	D. V. Malleswari
		Seminars	Recent Trends in Technology	18/2/2017	Sahithi S. Bagyasri N Brunda G Mounica B
3	Physics	Quiz	General	17/12/16	3(I.II.III)
		Guest Lecture	Women Rights	10/02/17	

Co-Curricular Activities organized for students in the Mathematics Dept. :

Name of the activity	Topic	Date	winners
Mathematics Quiz	General Mathematics	21-01-2017	1 st Prize Jyothi Yadav II B.Sc.M.P.C. II nd Prize Deepthi Kumari Pal III B.Sc.M.P.C. III rd Prize B.Sandhya I B.Sc.Comp.Sci
Mathematics Seminars	Numerical Analysis	7-8-2016 to 15-8-2016	III B.Sc.M.P.C.-10, M.P.Comp.Sc.-15 & M.E.Comp-3 students participated.
Mathematics Seminars	Special Functions-Hermiteco-Nomious	20-2-2017 to 25-2-2017	III B.Sc. M.P.Comp.Sc.-12 & M.E.Comp-6 students participated. Winners- I st Prize Rajwala III B.Sc. M.P.Comp. II nd Prize P.Ushashree III B.Sc.Comp IIIrd Prize Sridharani III B.Sc.M.E.Com

Extra Curricular Activities of all the Departments

Annexure IX Extra Curricular ActivitiesSl.No	Department Name	Name of the Activity	Topic/ Context/ Occasion/ Theme Specific Day/week/ Year	No of Participated Students	Date	Winners
1.	Chemistry	Model Making	Structure of Alkanes	III B.Sc M.P.C, C.B.Z, B.B.C 5Teams	30/11/16	1.Syamala (AB980) IIIC.B.Z 2.Shalini (AB975) IIIC.B.Z

		Written Quiz	India National level Talent search Examination	133 Students of I&II Inter	30/07/16	Participation Certificates
		Essay Writing Competition	Conducted by B.V.K College	54 Students of I&II Inter	16/09/16	T. Chandra Likitha IM.P.C – III Prize
		Elocution	Public Participation in inPromoting Integrity and Eradicating Corruption Conducted by The New India assurance Company Limited	22 Students of I&II Inter	28/10/16	Y.Yamuna Ist Prize Rs. 1500 N.S. Sonia 2 nd Prize Rs. 1000 M.Likhitha 3 rd Prize Rs.500 Consolation Prizes G.Fathima, B. Mallica, B.Brahmini
		Essay Writing Competition	1.Public Participation in inPromoting Integrity and Eradicating Corruption 2.Honesty is the best policy 3.Power Corrupts Conducted by HPCL	83Students of I&II Inter	29/10/16	Y.Yamuna Ist Prize , N.Leela Ratnam 2 nd Prize P.V.S. Vaishnavi 3 rd Prize Consolation Prizes V.Dharani, G.Ch.G B Havani
		Elocution	1.Public Participation in inPromoting Integrity and Eradicating Corruption 2.Is there an abatement of values around Conducted by HPCL	16Students of I&II Inter	01/11/16	J.Sirisha Ist Prize , M.Aamrith Melee 2 nd Prize P.V.S. Vaishnavi 3 rd Prize Consolation Prizes Arifa, Fathima
15.	Physics	Aruku trip	Recreation	26	1/12/16	
		Designing of electronic quiz equipment	Excelsoir	12	08 th and 09th Dec	

Extra-Curricular Activities organized for students in Mathematics Dept.:

S.No	Name of the Activity	Topic/ Context/ Occasion/ Theme Specific Day/week/ Year	Name of Participated students	Date	Winners	Document
01	General Knowledge Quiz	Written Test in General Knowledge on the eve of Ramanujam's Birthday cele.	All Degree Students	18-2-2017	Ist Prize Renu Yadav II B.A. E.E.P. II nd Prize Varalakshmi I B.Sc. M.P.C. III rd Prize Snigdha III B.Sc. M.P.C.	
02	Mathematics Assignment (question Bank)	Paper presentation on Question Bank in 3 D Geometry	I B.Sc (C.Sc) Degree students	22-2-2017 To 23-2-2017	1) P.Lalitha Madhuri 2) Ch.Rani 3) J.Jyothi 4) K.Mounika 5) B.Sandhya	
03	Rangoli Competition	Theme is Festival of Pongal	All Degree Students	06/01/2017	1)II B.Sc, M.P.Cs 2) III B.Sc, MPC 3) I B.Sc M St. Com	

Guest Lectures in the Departments

S. No	Date	Name of the Resource Person	Institution	Topic	Target Group
1.	20/08/2016	Prof. V. Krishna Mohan	Dept. of Commerce & Management Studies, Andhra University, Visakhapatnam	Skill Development	III B.Sc MPC, MPCs MEC (137)
2.	18/11/2016	Prof. G. P. Raja Sekhar	Dept. of Mathematics IIT, Kharagpur	Career Path to do Science	I B.Sc MPC, MPCs (102)
3.	08/02/2017	Prof. R.R.L. Kantham	Department of Mathematics & Statistics, Acharya Nagarjuna University, Gudur	Prospects and Applications in Mathematics & Statistics	III B.Sc MPC, MPCs MEC (128)

Student Participation in any National seminar/ Conference/Workshop/Symposium:

S.No	Name of the Student	Participation/ Presentation of Paper	Name of S/C/W	Organized Institution	Date
1.	V.Manisha	Applications of Mathematics in Mat Lab	UGC Sponsored Two Day National Conference on Recent Advances in Mathematics and its Applications	St. Joseph's College for Women(A), Visakhapatnam	17 th &18 th November, 2016, SJC,VSP
2.	K.Deepti Rani Reddy Sheetal Snigda.M Yogita Sarma	Mathematics in Videography	UGC Sponsored Two Day National Conference on Recent Advances in Mathematics and its Applications	St. Joseph's College for Women(A), Visakhapatnam	17 th &18 th November, 2016, SJC,VSP
3.	K. Swathi	Application of Mathematics in Sports and Games : A Study	UGC Sponsored Two Day National Conference on Recent Advances in Mathematics and its Applications	St. Joseph's College for Women(A), Visakhapatnam	17 th &18 th November, 2016, SJC,VSP
4.	Sweta Patel Sunaina Rani Panigrahy, Vamsi Vardhini Sruthi Nair	Mathematics in Historical Monuments	UGC Sponsored Two Day National Conference on Recent Advances in Mathematics and its Applications	St. Joseph's College for Women(A), Visakhapatnam	17 th &18 th November, 2016, SJC,VSP
5.	Neelu Sharma	Interdisciplinary Applications of Mathematics in other Fields	UGC Sponsored Two Day National Conference on Recent Advances in Mathematics and its Applications	St. Joseph's College for Women(A), Visakhapatnam	17 th &18 th November, 2016, SJC,VSP

Students conducted any Social Survey regarding research or Extension work:

Name of the Student	Roll No.	Name of the Village	No. of Houses Surveyed	Result Not having Toilets

K. Pavani	16AD299	Dharma Nagar Colony	55	5
M. Amrita	16AD641	Dharma Nagar Colony	52	2
S. Pavithra	16AD664	Dharma Nagar Colony	48	6
R. Renuka	16AD670	Dharma Nagar Colony	36	4
K. Anitha	16AD692	Dharma Nagar Colony	34	3
V. Joshna	16AD698	Dharma Nagar Colony	37	3
I. Nikitha	16AD710	Dharma Nagar Colony	38	2

Any outreach initiative of the student from the Dept. during 2016-17:

Sl. No	Department Name	Any outreach initiative of the student from the Dept. during 2016-17
1.	Chemistry	1.Ruchika Sharma -III B.Sc. C.B.Z 1 st Prize in State level Chemistry Quiz at Aditya degree colleg 2. J. Sirisha - III B.B.C. 1 st Prize in State level Chemistry Quiz at Aditya degree college
6.	Mathematics	<u>EXTENSION WORK/OUTREACH INITIATIVE - MATHEMATRICKS</u> Faculty members of Department of Mathematics, St. Joseph's College for Women(A), Visakhapatnam conducted an Orientation Session from 27/02/2017 to 28/02/2017 to IX Class students of Sacred Heart Girls High School, Gnanapuram, Visakhapatnam. Certain important aspects in 3D Geometry, Trigonometry, Mind Teasing Puzzles, Vedic Mathematics and Vinoda Ganitham have been explained to the students effectively. Nearly 115 students actively participated in the session and were benefited by the lessons taught.