

Department of Mathematics & Statistics

Annual Report Academic Year 2013-14

Reputation/Achievements of the Department

- First Perceptual Rank and 5th Factual Rank as best emerging Science College by India Today Magazine in June 2013

Student Centric Activities:

Induction Program

The Department Conducted an orientation program for B.Sc First year students on 29th of June where Mr. D. Srinivas Reddy briefed about the various activities of the Department and Mrs. G. Sunitha gave an overview on autonomy to the students.

Entry Level Test:

The Department conducted an entry level test for all the B.Sc First year students on 12th July to assess the skill levels of entering B.Sc students in the areas of mathematics. The test contents emphasize working with numbers and data, basic differentiation and integration formulae, the connections between algebra and geometry, and problem solving.

Bridge Courses & Certificate Courses

- The Department conducted an entry level test for the B.Sc first year students .Forty Nine students of the total 125 students have scored 50% below marks. The Department has designed a short intensive Bridge Course for all these students to teach an introductory level to help them in narrowing the gap between the previous course and the current course. The course includes basic differentiation and integration, introduction of differential equations and their formation. The Course provides the major geometric formulae, differentiation and integration formulae also for reference because its purpose is to make the student competent enough in mathematical concepts and problem solving skills.

- The Department Conducted a Certificate Course on Numerical Ability in collaboration with Click Institute from 4th Sep to 19th Sep. The Objective of the course is to introduce basic concepts of Mathematics to students, to enhance the arithmetic abilities of the students to face various entrance exams like ICET, CAT, MAT, BANK, LIC, GROUPS etc. 91 students were registered. The certificate course exam was conducted on 20th of September and 75 students of various streams have attended the examination.

Feedback: Students felt that the course was very useful for placements and for various entrance examinations and requested to conduct the course in a continued stretch in convenient timings for them so that they could be benefited to a maximum extent.



Math Club Activities

- The Department resumed its Math Club activity MATH 4 ALL which features a comprehensive set of interactive arithmetic, logic & brain twisting Problems which involve some novel way of thinking or looking at the problem from an unexpected viewpoint. Students who take various standardized tests such as SAT, GRE, GMAT, CAT and other MBA and MCA tests in which Math is one important skill tested will find these very helpful. The Department shares every fortnight a few brain twisters which involve a combination of skills and traits, creativity, perceptiveness, and the ability to identify and apply new approaches and reward suitably the students who solve these.
- An Aptitude test for 3rd B.Sc students was conducted on 26th July to know their aptitude levels so that the Department could plan a few classes on aptitude for these students to face various competitive exams, entrance exams and placement opportunities provided to them in a successful way.

Seminars/Guest Lectures/Workshops

- A Mat Lab awareness program was conducted by the Department to the III B.Sc students where experts from Academy of Design & Architecture explained the salient features of the Mat Lab software to the students on 2nd of July
- The Department Organized a guest lecture on 04th October, 2013 on Applications of Bio-Statistics. Prof. M. Vishnuvardhan Rao , Deputy Director Of NIN, Tarnaka was the Resource Person. The resource person gave insights on various tests of statistics which could be effectively used in the fields like bio-medicine, chemistry etc. In his lecture he emphasized how Replication, Randomization and local control are the principles of good experiments. He discussed about various types of studies both observational and experimental and also about the types of measurements. He also discussed about sampling and probability sampling and their applications and also about hypothesis and errors we usually commit and also about the miss-uses of sampling techniques.



Feedback: The students felt that the Guest lecturer was very informative to them as the resource person explained the statistical tools and their applications with real life examples.

- The Department conducted a seminar on ‘Project Guidelines ‘to all the Third Year B.Sc students. Mr. Inna Reddy, Lecturer from City College was the Resource Person. The resource person gave inputs on the choice of available projects, project guidelines and tips for effective completion of the projects.



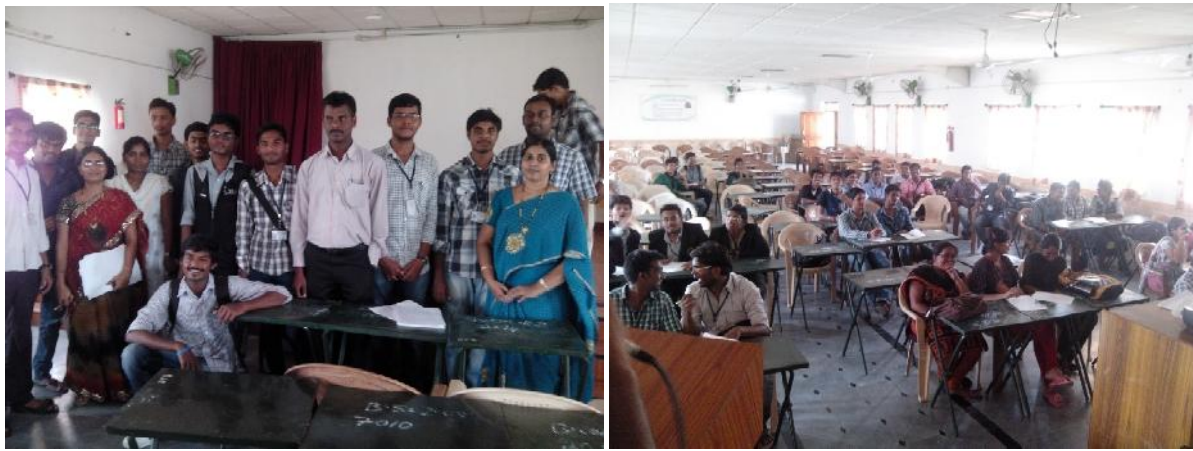
Events/Celebrations/Competitions conducted by the Department

- **1.Name of the Activity: Quiz Competition**

The Department Conducted an Aptitude test “Test UR IQ “for all the under graduate students on 21st Sep 2013. The event garnered a massive response with 80 teams consisting of 240 students from various streams. The Objective of this event is to test the student lateral thinking, logic, arithmetic, analytical, critical reasoning and keen observation. The Quiz competition was conducted in two phases.

Phase- I: Written Examination where 30 Questions based on aptitude & arithmetic and logic and reasoning were given for 30 minutes.

Phase-II - Six teams out of 80 teams were selected for final round which comprised of seven rounds with a vast variation in rounds where the student logical, reasoning, observation, memory and imagination skills are tested.



Feedback: The students expressed their utmost satisfaction on the variation of questions in the written round which opened their minds to think laterally. The finalists shared their satisfaction with the department they experienced in facing various rounds in the final round that paved a way for out of box thinking.

Winners List:

Sl. No	Name	Class/section	Prize
1	T. Sathish David John	B. Sc (MSCs)-I Year	First
2	1. Sumeera 2. Ankitha 3. Vijayalakshmi	B.Com II (Honors)	Second
3.	1. Zamal 2. Asad 3. Adnan	B.B. A –I Year	Third

2 .Name of the Activity: Essay writing Competition

The Department conducted an Essay writing Competition on the topic” **Why Students are afraid of Mathematics**” for all the undergraduate students on 28th Nov 2013. Twelve students participated in the competition.

The following are the prize winners :

S.No	NAME	CLASS/GROUP	PRIZE
1	C.V.Vivek	B.Sc II(MSCs)	First
2	Zuhair.MD. Hazari	BBA II YR	Second
3	Mounika	B.Sc II(MSCs)	Third



3. Name of the Activity: Power Point Presentation competition

In recognition to the contributions of Srinivasa Ramanujan to Mathematics the Government of India declared 22nd Dec as National mathematics Day. On this Eve to sensitize and create an awareness among the students on the natural genius Srinivasa Ramanujan ‘s life and his contributions to mathematics the Department conducted a power point presentation competition on “Srinivasa Ramanujan and his Contributions to Mathematics “ to all B.Sc students On 20th December 2013. 6 Teams comprising 12 members participated in this event.



Winners List:

First Prize: J.P.Sujana & J. Maria Christina –B.Sc II year

Second Prize: Ravi raja & J. Sai tejaswi – B.Sc I year

Third Prize: C.V. Vivek & V. Mounika –B.Sc II year

4. Name of the Activity: Parent – Teacher Meeting

The Parent teacher meeting for the parents of B.Sc first year students was conducted on 31st Aug by the proactive initiation of the department and the parent feedback is taken and is filed in the department. The Department also did an Analysis on the parent feedback using SPSS software.



The Department took initiation in monitoring the student attendance and the all the students who are having less than 50% are called along with the parents and parents are given feedback on their ward's attendance percentage and parent and student undertakings are taken and filed.

Name of the Activity: Freshers Day

A Fresher's Party was organized by the B.Sc II year students for the B.Sc I year students on **3rd October 2013**. The aim of conducting this day is to make the juniors feel welcome and to interact with them. It is the day where seniors and juniors finally bond and unite to celebrate being part of the college to help students to interact with each other. Senior students and newcomers mingled with each other at the fresher's welcome party held. The senior students conducted many games and events for the juniors. The stage is set for a 'Ramp Walk' for fresher's to showcase their talent and compete for the MR and Miss. Fresher's Crown.



Name of the activity: Alumni Meet

The Department interacted with its Alumni during the Alumni Association Meeting which was held on 17 August 2013 from 3:00 pm to 5:30 pm at Joseph's Hall. The feedback from the Alumni on Curricular Aspects, Infrastructural facilities was elicited and sought suggestions for the improvement of the functioning of the Department.



Name of the activity: Knowledge Sharing

To promote the communication skills, self confidence among the students and to groom the potentials of the students, they are encouraged to share their knowledge. As a part of this activity the students of First and Second B.Sc shared their knowledge with the students of St.Joseph's Telugu Medium High School. The students taught Mathematics for 8th and 9th standard students on 11th, 12th and 13th of March.





Student Participation in External Events

The Department encouraged its students to take an active participation in the various events organized by various other colleges.

1. Name of the Activity: CRYPTOLOGY

Six Students Attended A Two Days Science Academic Workshop on CRYPTOLOGY organized by Aurora's Degree & PG College on 3rd & 4th January 2014 which was sponsored by Indian Academy of Sciences (IAS), Indian National Science Academy (INSA) and the National Academy of Sciences (NAS). Prof. V. Kannan and Prof. R. Tandon, from School of Mathematics and Statistics, University of Hyderabad were the Resource persons



2. Name of the Activity: STATA FEST

Eleven Students of Third B.Sc MScs attended and participated in various events in STATA FEST organized by St. Ann's Degree College on the eve of International year of statistics on 16th December 2013.

Bista B.Sc –III Year MSCs, Shankar B.Sc- III Year MSCs bagged first prize in the event 'Analysis & interpretation of data sets using MS-Excel'



Josephiesta -2014:

As part of celebrations of **Josephiesta 2014** the Department conducted an IQ test ‘ Test UR IQ’ . Thirteen teams (25 Students) from various colleges participated in this event . The competition was conducted in two rounds. Round -I a written examination and six teams were selected for the final round.



The Department also organized a fun filled event ‘**Puzzle Paradise**’ an expo of various puzzles and received a huge response.



Social Service Activity: Josephites Service Scheme

To encourage a sense of sharing among the students with the people in the society, besides their regular Academic programme Eighty Five B. Sc I Year the students of the department visited the Orphanage, **Gracious Paradise Charitable Foundation** near Vanasthalipuram, Hyderabad. The students got mingled with the students of the Orphanage and spent the whole day with them and conducted various activities like drawing competition, dance and singing competitions. The students generously arranged a lunch for the orphanage students and also donated note books, stationery items, toiletries and clothes etc.



2. Faculty Related

Faculty Development Programs:

- Mrs. B. Kalavathi attended a Workshop on 'MATLAB' on 26th July 2013.
- Mrs. G. Sunitha attended a one day national seminar on "Quality in Higher Educational Institutions – exploring new frontiers" in St.Mary's College in Secundrabad.
- Mr. D. Srinivas Reddy attended a National Conference on "Recent trends in Applications of Mathematics" and 22nd Annual Congress of Andhra Pradesh Society for Mathematical Sciences (APSMS) from 13th to 15th Dec 2013 conducted by Anurag Group of Institutions.



Paper Setters:

Mrs. G. Sunitha was a paper setter and external examiner for the paper 'Business Mathematics' for St. Francis College for Women, Secundrabad.

Department OF Mathematics & Statistics

Annual Day Prize list 2013- 14

- **Academic Toppers 2013 Passed Out Batch**

S.NO	NAME	GROUP	%	prize	
1	G.Ashwini	MECs	81.4	I	Memento +cert
2	G.Sai sharath	MECs	71.1	II	Memento +cert
3.	Hashmath ullah khan	MECs	70	III	Memento +cert

S.NO	NAME	GROUP	%	prize	
1	P.Sumanth kumar	MSCs	71.6	I	Memento +cert
2	Mirza Hussain Baig	MSCs	71	II	Memento +cert
3.	Om Ganesh Singh	MSCs	70.5	III	Memento +cert

S.NO	NAME	GROUP	%	prize	
1	Srikanth Saavalan	MPCs	73.5	I	Memento +cert
2	Syed Irfan Nawaz	MPCs	68.8	II	Memento +cert
3.	T.Nikhila	MPCs	64.8	III	Memento +cert

Academic Toppers 2011-2014 Batch:

S.NO	NAME	GROUP	%	prize	
1	Choudhary Naresh Kumar	MSCs	91	I	Memento +cert
2	A. Ravindra Reddy	MSCs	89.22	II	Memento +cert
3.	Khadija	MSCs	89.11	III	Memento +cert

S.NO	NAME	GROUP	%	prize	
1	G. Prashanth	MECs	83	I	Memento +cert
2	Yehowa Michel	MECs	82	II	Memento +cert
3.	S. Prabhakar	MECs		III	Memento +cert
S.NO	NAME	GROUP	%	prize	
1	MD.Asalam	MPCs	85	I	Memento +cert
2	D.Pradeep Kumar	MPCs	76	II	Memento +cert
3.	MD. Abdul Miz	MPCs	74	III	Memento +cert

Academic Toppers 2012-2015 Batch:

S.NO	NAME	GROUP	%	prize	
1	V. Mounika	MSCs	87	I	Memento +cert
2	K. Nikhil Goud	MSCs	86.5	II	Memento +cert
3.	T. Vamshi	MSCs	86.5	III	Memento +cert

S.NO	NAME	GROUP	%	prize	
1	Ch. Sai Krupa	MECs	78	I	Memento +cert
2	S. Pradeep	MECs	74	II	Memento +cert

S.NO	NAME	GROUP	%	prize	
1	P. Sridhar	MPCs	72	I	Memento +cert
2	G. Sharath Kumar	MPCs	69	II	Memento +cert

- Best Out Going Student 2014**

1	Michel Yehowa	III B.Sc MECs	Memento +cert
2	T. Nikhil Manohar	III B.Sc MSCs	Memento +cert
3.	Pradeep Kumar	III B.Sc MPCs	Memento +cert

- **Centum in Subjects.**

S.NO	NAME	CLASS/GROUP	SUBJECT	
1.	A. Ravindra Reddy	B.Sc III (MSCs)	Mathematics-V	Memento +cert
2.	G.Sai Kumar	B.Sc III (MSCs)	Mathematics-V	Memento +cert
3.	P.S.Sandeep	B.Sc III (MECs)	Mathematics-VI	Memento +cert
4.	Md.Abdul Moiz	B.Sc III (MPCs)	Mathematics-VI	Memento +cert
5.	Md.Aslam	B.Sc III (MPCs)	Mathematics-VI	Memento +cert
6.	A. Ravindra Reddy	B.Sc III (MSCs)	Mathematics-VI	Memento +cert
7.	G.Sai Kumar	B.Sc III (MSCs)	Mathematics-VI	Memento +cert
8.	Khadija	B.Sc III (MSCs)	Mathematics-VI	Memento +cert
9.	G.Ramakrishna	B.Sc III (MSCs)	Mathematics-VI	Memento +cert
10.	Prabhu kiran	B.Sc III (MSCs)	Mathematics-VI	Memento +cert
11.	T.Nikhil Manohar	B.Sc III (MSCs)	Mathematics-VI	Memento +cert
12.	Sidhartha Kabra	B.Sc III (MSCs)	Mathematics-VI	Memento +cert
13.	G.Sai Kumar	B.Sc III (MSCs)	Statistics –VI	Memento +cert
14.	Fateema	B.Sc III (MSCs)	Statistics- V	Memento +cert
15.	Khadija	B.Sc III (MSCs)	Statistics-V	Memento +cert
16.	A.Ravindra Reddy	B.Sc III (MSCs)	Mathematics-IV	Memento +cert
17.	G.Sai Kumar	B.Sc III (MSCs)	Mathematics-IV	Memento +cert
18.	Rama Krishna	B.Sc III (MSCs)	Mathematics-IV	Memento +cert
19.	J.P.Suzana	B.Sc II(MSCs)	Statistics-I	Memento +cert
20.	David Varghes	B.Sc I(MSCs)	Statistics-I	Memento +cert
21.	T.Satish	B.Sc I(MSCs)	Statistics-I	Memento +cert
22.	Aditya Patnaik	B.Sc I(MPCs)	Mathematics-I	Memento +cert
23.	Ravi Raja	B.Sc I(MPCs)	Physics-I	Memento +cert
24.	K.Nikhil Goud	B.Sc II(MSCs)	Mathematics-II	Memento +cert
25.	V. Mounika	B.Sc II(MSCs)	Mathematics-II	Memento +cert
26.	Md.Siraj	B.Sc II(MSCs)	Mathematics-II	Memento +cert
27.	C.Sai Krupa	B.Sc II(MECs)	Mathematics-II	Memento +cert
28.	C.Sai Krupa	B.Sc II(MECs)	Mathematics-III	Memento +cert
29.	G.Sharath Kumar	B.Sc II(MPCs)	Mathematics-III	Memento +cert
30.	K.Nikhil Goud	B.Sc II(MSCs)	Statistics-III	Memento +cert
31.	V. Mounika	B.Sc II(MSCs)	Statistics-III	Memento +cert
32.	Abdul Quddus	B.Sc II(MSCs)	Statistics-III	Memento +cert
40.	J.P.Suzana	B.Sc II(MSCs)	Statistics-III	Memento +cert

- **Students Who Scored 85% and above in optional subjects**

III YEAR

S.NO	NAME	CLASS/GROUP	%
1	Choudhary Naresh Kumar	B.Sc III (MSCs)	91
2	A. Ravindra Reddy	B.Sc III (MSCs)	89.22
3	Khadija	B.Sc III (MSCs)	89.11
4	G. Sai Kumar	B.Sc III (MSCs)	88.22
5	Fateema Kuresh	B.Sc III (MSCs)	87.99
6	Prabhu Kiran	B.Sc III (MSCs)	86.44
7	Siddharth Kabra	B.Sc III (MSCs)	86.33
8	T. Nikhil Manohar	B.Sc III (MSCs)	85.33
9	G.Ramakrishna	B.Sc III (MSCs)	85.22
10	Md.Asalam	B.Sc III (MPCs)	85

II YEAR

S.NO	NAME	GROUP	%	prize	
1	V.Mounika	B.Sc II(MSCs)	87	I	Memento +cert
2	K.Nikhil Goud	B.Sc II(MSCs)	86.5	II	Memento +cert
3.	T.Vamshi	B.Sc II(MSCs)	86.5	III	Memento +cert

- **Departmental / Club Competitions**

(i) Essay writing Competition

S.No	NAME	CLASS/GROUP	EVENT	PRIZE	
1	C.V.Vivek	B.Sc II(MSCs)	Essay Writing Competition	First	Memento +cert
2	Zuhair.MD. Hazari	BBA II YR	Essay Writing Competition	Second	Memento +cert
3	Mounika	B.Sc II(MSCs)	Essay Writing Competition	Third	Memento +cert

(ii) Power Point Presentation Competition

S.No	NAME	CLASS/GROUP	EVENT	PRIZE	
1	Christina J.P.Suzana	B.Sc II(MSCs)	Power point presentation	First	Memento +cert
2	Ravi Raja chowdary Sai Tejaswi	B.Sc I(MPCs)	Power point presentation	Second	Memento +cert
3	C.V.Vivek Mounika	B.Sc II(MSCs)	Power point presentation	Third	Memento +cert

(iii) **IQ Test - Quiz Competition**

S.No	NAME	CLASS/GROUP	EVENT	PRIZE	
1	<ul style="list-style-type: none">• David• T. Satish• John	B.Sc I(MSCs)	Quiz Competition	First	Memento +cert
2	<ul style="list-style-type: none">• Sumera• Ankitha• Vijaya Laxmi	B.Com(Hon)-II	Quiz Competition	Second	Memento +cert
3	<ul style="list-style-type: none">• Zamal• Asad• Adnan	BBA-I	Quiz Competition	Third	Memento +cert

(iv) **Math 4 All – Aptitude test**

S.No	NAME	CLASS/GROUP	EVENT	PRIZE	
1	A.Yashwanth	B.Sc III(MECs)	MATH 4 ALL	First	Memento +cert
2	E.R.Rohit	B.Com (HON) -I	MATH 4 ALL	Second	Memento +cert

• **Active Involvement in Club Activities**

S.No	NAME	CLASS/GROUP	
1	A.Ravindra Reddy	B.Sc III (MSCs)	Memento +cert
2.	T. Nikhil Manohar	B.Sc III (MSCs)	Memento +cert

• **Best Project Presentation**

S.No	NAME	CLASS/GROUP	
1	T. Nikhil Manohar	B.Sc III (MSCs)	Memento +cert
2	A.Ravindra Reddy	B.Sc III (MSCs)	Memento +cert