

DEPARTMENT OF MATHEMATIC AND STATISTICS

2009-2010 REPORT

The Department chalked out the following plan of action for the year

- To conduct student seminars periodically.
- To conduct remedial classes for slow learners.
- To conduct slip tests periodically to know the conceptual skills of the students.
- To conduct Aptitude Tests to gauge the analytical skills of the learners.
- Assignments on some important topics related to the syllabus.
- Conducting a QUIZ programme in Mathematics for all B.Sc students.
- Assigning projects on topics related to the subject and its applications.
- To introduce a certificate course in basic mathematics for competitive exams.
- To introduce a Bridge course to help students understand the regular syllabus.
- To encourage students to give PPT presentations on certain critical topics.
- As an extension programme, to train the students in statistical packages like SAS, SPSS and MS-Excel.

Details of activities are given below:

Student related activities

1. Student orientation programme:

An Orientation programme was conducted for B.Sc. I year students on 13th and 14th July, 2009.

2. Seminar attended by students:

The students of B.SC III year attended a seminar titled **International Congress of Mathematicians** at St. Francis Degree College for Women, Hyderabad on 22nd June, 2009 under the guidance of the faculty D.Srinivas Reddy & B. Shalini.

The following students attended the Seminar:

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|--------------|-------------------------|
| 1. Nishwitha | 4. Srikanth |
| 2. Vagdevi | 5. K. Rajesh |
| 3. Sirisha | 6. Leonard Billy Graham |

3. Tutorial classes :

Tutorial classes are incorporated in the regular time table. These classes are conducted by the department staff to ensure a clear understanding of concepts related to different subjects. This helps the students improve their academic standard.

4. Remedial classes:

The department strives to help the slow learners by conducting remedial classes after college hours. Even the other students are encouraged to join these classes.

5. Quiz Programme:

The **dept.** conducted a **Quiz** competition on 22nd December, 2009 on the occasion of Mathematician **Srinivasa Ramanujan's Birth Anniversary** for students of B.Sc.

The winners of the quiz competition were awarded with a certificate and memento each.

Prize winners:

<i>S.No</i>	<i>Names</i>	<i>Class</i>	<i>Position</i>
1	Hasan Ali & Rohit Kujur	B.SC II year	I
2	Niswitha & Greeshma	B.SC III year	II
	Florence		
3	Harish & Ritesh Kumar	B.SC III year	III

6. Student Seminars:

The department conducts student seminars in class rooms to improve the communication and presentation skills of the students.

Seminars on Mathematics:

S.no	Date	Name	Class	Topic
1	7.9.2009	Sunitha	B.Sc. II year	Theorem on Root Test
2	10.9.2009	Marian	B.Sc. II year	Theorem on Ratio Test
3	12.9.2009	Bernadine	B.Sc. II year	Theorem on Leibnitz's Test
4	15.9.2009	Linga reddy	B.Sc. II year	Theorem on Root Test
5	17.9.2009	Gogon	B.Sc. II year	Theorem on Ratio Test
6	7.11.2009	Barath Kumar	B.Sc. II year	Bolzano Intermediate Value Theorem
7	8.01.2010	Premalatha	B.Sc. II year	Properties on Reimann Integration.
8	9.1.2010	Claudius	B.Sc. II year	Properties on Reimann Integration
9	11.1.2010	Rojarani	B.Sc. II year	Properties on Reimann Integration
10	15.1.2010	Reeba varghese	B.Sc. II year	Properties on Reimann Integration
11	15.1.2010	Marian	B.Sc. II year	Properties on Reimann Integration
12	16.1.2010	Sunitha	B.Sc. II year	Properties on Reimann Integration
13	16.1.2010	Shristi	B.Sc. II year	Properties on Reimann Integration
14	18.1.2010	Linga Reddy	B.Sc. II year	Properties on Reimann Integration
15	19.1 2010	Deepika	B.Sc. II year	Properties on Reimann Integration
16	22.1.2010	Nihar Goud	B.Sc. II year	Properties on Reimann Integration
17	23.1.2010	Ragavendhra	B.Sc. II year	Properties on Reimann Integration

19	6.1.2010	Ridhima	B.Sc. I year	Exact Differential Equations
20	6.1.2010	Merina deephi	B.Sc. I year	Linear Equations

Seminars on Statistics:

	Date	Name	Class	Topic
1	23.12.2009	Swathi Prasad	B.Sc III year	Simple Random Sampling without Replacement
2	11.1.2010	Vinay singh	B.Sc III year	Simple Random Sampling with Replacement
3.	17.11.2009	Vikranth reddy	B.Sc. II year	Testing of Hypothesis
4	19.11.2009	Sristhi	B.Sc. II year	Correlation & Regression
5	21.11.2009	Ravi Kumar Reddy	B.Sc. II year	Large Sample Test

7.Student Participation in events:

- Students of I year, B.Sc. participated in **Constellations-09'** organized by **St .Francis Degree College for Women.**
- **Student Extension Activities:** Students participated in a one- week **NSS Camp** conducted at Rampally.
- Students participated actively in an **Essay Writing** competition conducted by the **Youth Red Cross Society.**
- The students of B.Sc. conducted a **Work Shop in MS Office** for high school students on 4th December, 2009 at **Government Boys High School, Sultan Bazaar ,Hyderabad**

The list of students who participated in the programme:

NAME	CLASS	YEAR
P.Lalit Pavan	B.Sc.	III

Y Vinod Reddy	B.Sc.	III
Harry Richardson	B.Sc.	III
A.Naveen Kumar	B.Sc.	III
Sangeetha	B.Sc.	III
Vijay Kumar	B.Sc.	III
Vinay	B.Sc.	I

8. New academic programmes initiated (UG and PG):

Certificate course:

A certificate course for the UG and PG students was conducted during September-November, 2008 by the **Department of Mathematics Arithmetic and Reasoning for Competitive Exams.**

A **Bridge Course** is conducted at the beginning of the academic year to fill the gap found among the students with respect to soft skills and basic knowledge of the subject to help them understand the prescribed syllabus better.

Bridge Course for MCA I Year- I Semester: 2009-10 consisted of Descriptive Statistics and Probability

9. Inter- disciplinary programmes started:

M.S. Ramesh, lecturer in Mathematics handled the paper **Operations Research** for the MCA II year- III semester students during the period August-November, 2009.

- P. Bhaskar Reddy, lecturer in Statistics handled the paper **Probability & Statistics** for the MCA I year- I semester students during the period September-November, 2009.
- M.S. Ramesh, lecturer in Mathematics, handled the paper **Discrete Mathematics** for the MCA I year- I semester students during the period September-November, 2009.

10. Faculty Development programme:

Three of our faculty MS Ramesh, B Shalini and D Srinivas Reddy attended seminars and conferences as part of faculty development programme.

With the permission of the Management, P. Bhaskar Reddy, lecturer in Statistics, took guest lectures at the Forensic Science Department, Osmania University on **Bio-Statistics** for

Community Services:

- 8 Students of B.Sc. participated in a one- week **NSS Camp** conducted at Rampally, under the guidance of NSS coordinator D. Thirumala Rao.
- 5 Students of B.Sc. attended an NCC camp at A.V College, Domalguda, Hyderabad under the guidance of the Physical Director Mr.Sridhar Reddy.

