The Department of Mathematics was established in the year 1951. Department of Mathematics is marching forward towards higher goals and accomplishments. It has a student population around 420 and a team of 16 energetic and dedicated faculty. The Department of Mathematics has great reputation and dynamic growth reflected in the academic and intellectual achievements of its students. It fosters an atmosphere of intellectual rigor in the young women. The Department is committed to high standard of academic excellence and aims to provide the students a sound foundation of theory and applications and expose them to the forefront of the developments in the field of Mathematics.

Each year brings its fair amount of achievements and challenges and the academic year 2013-14 is no different. Our students have bagged overall shields in the intercollegiate competitions.

I appreciate the efforts taken by the student editors and faculty in bringing out this newsletter.

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From the HOD’S DESK

A yearly newsletter of the Department of Mathematics, Lady Doak College, Madurai—02
Issue-01, September, 2014

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Feathers on our cap—Our student achievers

International Students Exchange Programme -
Ms. L.N.D. Gangai (III B.Sc. Mathematics with Computer Applications) did her 4th Semester (03.01.14 to 15.05.14) in Mary Baldwin College, Virginia, USA.

Mathematical Training and Talent Search Programme—

Mini Mathematical Training and Talent Search Programme— Ms. J Prasanna and Ms. R. Alageswari (III B.Sc. Mathematics) attended a state level mini MTTS programme held at Periyar University, Salem from 23.06.14 to 05.07.14.

The Mathematics club
The Mathematics club organized competitions like paper presentation, model presentation, Mathematical Rangoli, Dumb Charades and SUDOKU this year. The students enthusiastically participated in the competitions.
Celebration Time—The Maths Carnival

The office bearers of the Maths club together with the faculty of the department organized the intercollegiate meet Mathematics carnival on 3.01.2013. Students from 18 colleges in and around Madurai participated. The competitions conducted for this year are paper presentation, quiz, model presentation, dumb charades and rangoli. The overall shield was won by Vivekananda College.

Beyond the classroom...

Through service learning programmes, 36 of our students helped the 8th and 9th Standard students of Pandyian Nendunchezhiyan Corporation school, tutoring them in Mathematics. 7 of our students also got engaged in helping an NGO, SOCO Trust in sorting and analyzing data.

Laurels to the Department

Our students have proved themselves to be the best by winning the overall shield in the intercollegiate competitions held in

* NMS Sermathai Vasan College (Aug. 2013)
* Jeyaraj Annapackiyam College for Women (Dec.2013)
* Arul Anandar College (Feb. 2014)
* Saraswathi Narayanan College (Mar. 2014).

India Makes History!!

Sep 24,2014 goes down in history as the Indian Space Research Organization (ISRO) successfully inserted its spacecraft ‘Mangalyaan’ into Mar’s orbit, making India the first country to successfully carry out such a mission in its maiden attempt.

Do you know?

In working out mathematical equations, the Greek Mathematician Pythagoras used little rocks to represent numbers. Hence the name CALCULUS was born, which means PEBBLES in Greek.
For the students

- A training programme for the CSIR NET exam was given by Dr. R. Parvathy, Former HOD, Holy Cross College, Nagercoil and Mr. R. Gnanaprakasam, Assistant Professor, Government Polytechnic College, Aundipatti for our I and II PG students.

- A soft skill training programme was organized for the outgoing students on the topic “Calculate your potentials—Be competent—Time management”. The resource person was Ms. Latha Solomon, Life Skill trainer.

- For 46 students who needed extra attention, remedial classes were arranged after class hours.

For the school students

The staff and students of the Department arranged for an exhibition for school children on 06.12.13. The students prepared a number of models and displayed it. Students from many corporation schools got benefitted of the exhibition.

Pleasure Trip...

The 2011 batch students were taken on a pleasure trip to Ooty in August, 2013. The current outgoing students went on a study tour to Bangalore and Mysore in September, 2014.
Parents’ teachers’ Meet

A Parents’ teachers’ meeting was held for all the I year and III year UG students on 11.01.2014. The parents had a common programme in the GJ auditorium as the first session and then they met the respective academic advisors for the second session in the Department.

Scholarships/Prizes instituted this year

The following prizes were introduced for the students
1. Dr. Nirmal & Dr. Nalinakshi Nirmal Scholarship for a needy III B.Sc. Mathematics student with a minimum of 80% in Part III
2. Dr. Nalinakshi Nirmal Scholarship for a needy II M.Sc. Mathematics student with a minimum of 70% in major with project in Graph Theory
4. G. Rengasamy Memorial prize for a helpful, cheerful and responsible II M.Sc Mathematics student, who maintains a good academic record.
5. G. Rengasamy Memorial prize for a helpful, cheerful and responsible III B.Sc. (Mathematics with Computer Applications) student, who maintains a good academic record

Faculty Achievements

The Department has 16 faculty members out of whom two have already completed their Ph.D. Mrs. Carmel Richard completed her VIVA in August 2014. Five more faculty are doing part time research.

Faculty of the department get regularly updated with the emerging trends in the field of Mathematics by attending National & International Seminars/conferences and training programmes; they also had presented their papers and published papers in reputed journals.
The list of papers published by faculty this year is:

* On $\tilde{g}_u$-closed sets in bitopological spaces, Malaya Journal of Matematics, Vol.4 (1), 2013, Dr. Nirmala Rebecca Paul.


* Note on nano closed sets via $\theta$-sets, International Journal of Mathematical Sciences Engineering Applications, Vol. 8 No. IV (2014), 41-51, Mrs. Carmel Richard

* Discriminants to Brauer Algebra, International journal of Computer Science and Information Technologies, volume 5, issue 3, pages 4536-4520, Mrs. Evangeline Jeba
* Edge chromatic Δ-critical graphs - International research journal of Mathematical sciences volume 3, issue 2, pages 658-662, ISSN 2278-8697, Mrs. J. Sakila Devi
* Analytical solution of non-linear dynamics of a self-igniting reaction-diffusion system using modified adomian decomposition method - International Journal of chemical Engineering, 2014 by Mrs. Felicia Shirley, Mrs. S. Narmatha

STUDENTS CORNER

BY,
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III B.Sc. Mathematics with Computer

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Alumnae...
Contact us