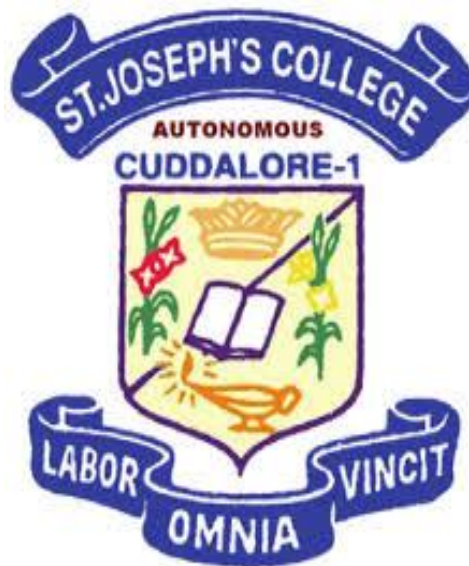


**St. Joseph's College of Arts & Science (Autonomous),
Cuddalore**



PG & Research Department of Mathematics

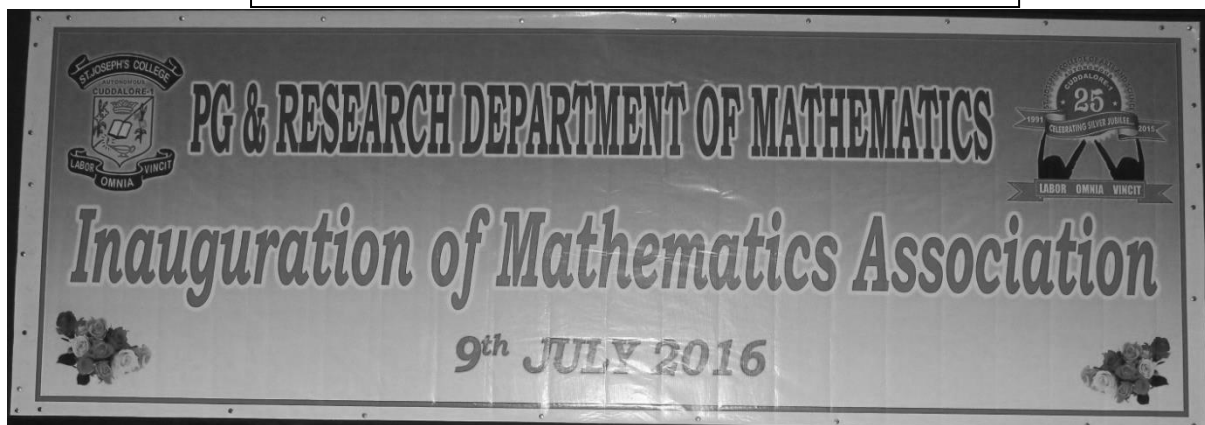
ASSOCIATION INAGURATION – 2016-2017

INAUGURAL FUNCTION OF MATHEMATICS ASSOCIATION

Date : 09.07.2016

Time : 11.45 a.m to 1.30 p.m

Venue : Rev. Fr. M. A. RATCHAGAR HALL





Inaugural function of Mathematics Association, was held on 9th July 2017 at Rev. Fr. M. A. Ratchagar hall about 11.45 a.m.

The function began with the lighting of Kuthuvilakku.

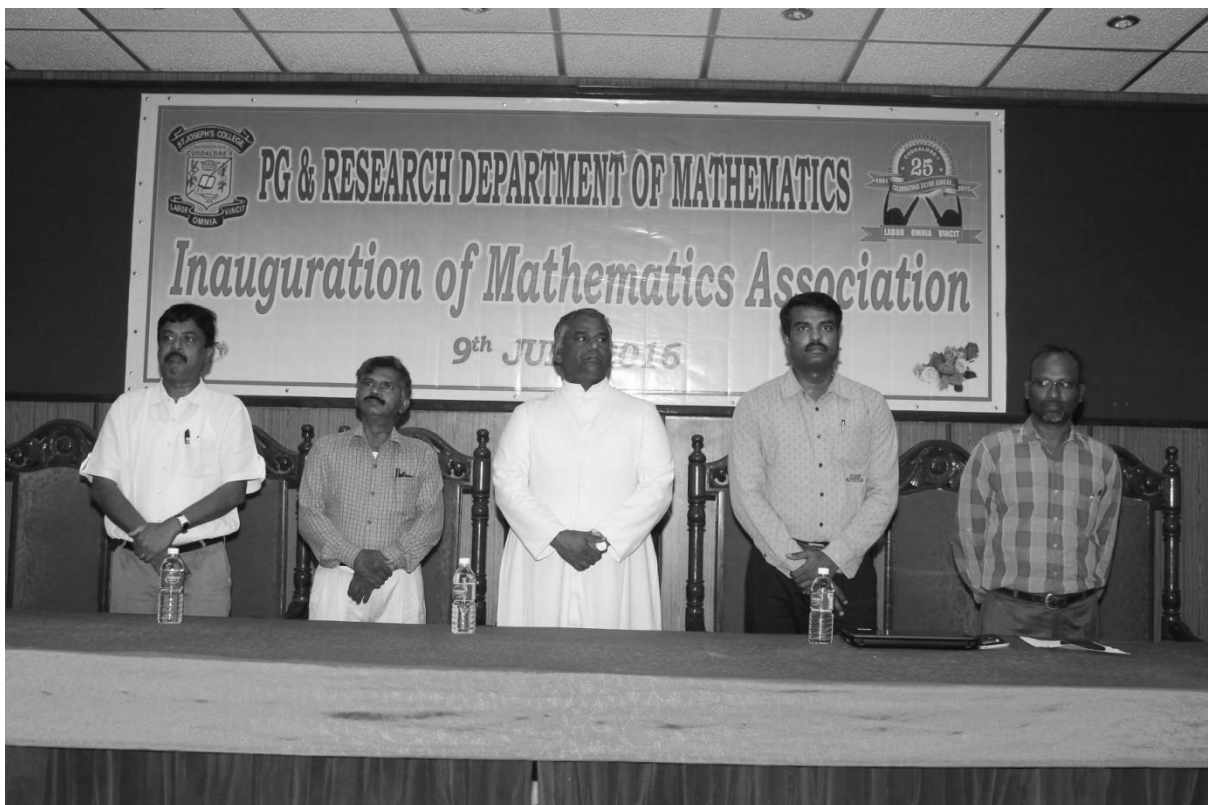


Rev. Fr. G. Peter Rajendiram, Secretary lighting the Kuthuvilakku.

Followed by Prayer song and Tamizhthai Vazhthu



The invited Chief guest was Mr. K. Ragubady, Senior Manager, HR & IR, Strides SHASUN Pharmaceuticals Ltd, Cuddalore.



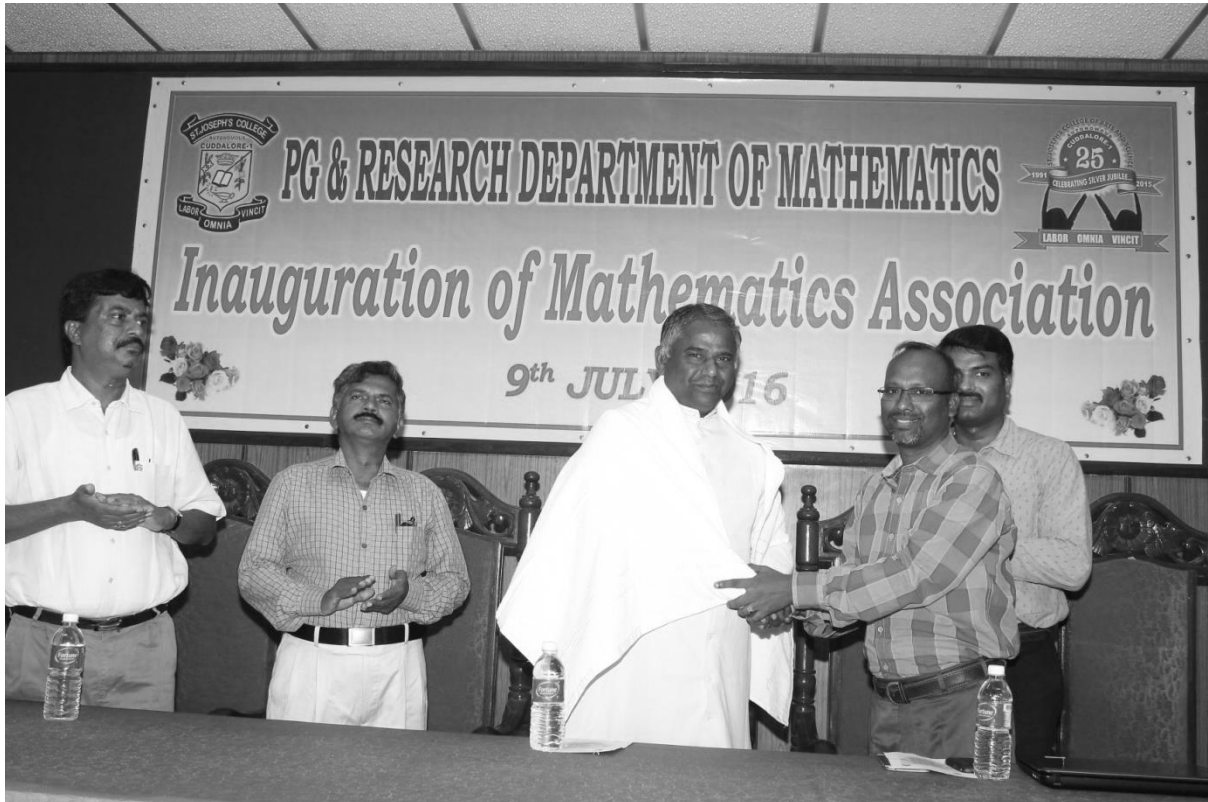
Ms. X. Shiela Rani, II M.sc Mathematics Mastered the Ceremony.



Mr. A. Venkatesan, Assistant Professor, Department of Mathematics welcomed the gatherings.



Mr. J. Jon Arockiaraj, the Head, Department of Mathematics honored the Secretary Rev. Fr. G. Peter Rajendiram with shawl.



Rev. Fr. Secretary honored the Chief guest Mr. K. Ragubady with shawl and Memento.





Mr. T. Henson, Assistant Professor Department of Mathematics honored the Principal Dr.S. Chinnappan with shawl.



Mrs. A. Arokiamary, Assistant Professor Department of Mathematics honored the Vice Principal Mr. M. Arumai Selvam with shawl.



Mr. A. Venkatesan, Assistant Professor, Department of Mathematics, introduced the Office Bearers for the academic year 2016-2017.



**OFFICE BEARERS OF DEPARTMENT OF MATHEMATICS FOR THE
ACADEMIC YEAR 2016-2017**



ASSOCIATION MEMBERS

| | | |
|-------------------|-------------------|----------|
| K. Rajalakshmi | President | II M.sc |
| X. Shiela Rani | Student Secretary | II M.sc |
| C. M. Geethanjali | Join Secretary | I M.sc |
| C. Prashanth | Vice president | III B.sc |
| A. Surya | Treasurer | I M.sc |
| M. Narasimman | Pro | III B.sc |

OFFICE BEARERS

| | |
|----------------------------|---------|
| B. Snekaa | II M.Sc |
| S.Soundharya | II M.sc |
| A. Andrews Lawrence Amalan | II M.sc |

| | |
|--------------------|----------|
| A. Muhammed Imran | II M.sc |
| T. Rajesh | II M.sc |
| A. Kirubanithy | II M.sc |
| M. Sivakumar | II M.sc |
| I. Rajesh | I M.Sc |
| L.Vinothkumar | I M.Sc |
| T. Lakshmi | I M.Sc |
| A. Amalisindhuja | I M.Sc |
| A. Aishwarya | I M.Sc |
| S. Gopinath | III B.sc |
| S. Vijayaragavan | II B.sc |
| N. Jaiganesh | II B.sc |
| S. A. Amarthiyasan | I B. Sc |
| A. Manivannan | I B. Sc |

Rev. Fr. Secretary, delivered the Presidential Address and wished for the success of Department of Mathematics for the overcoming academic year.

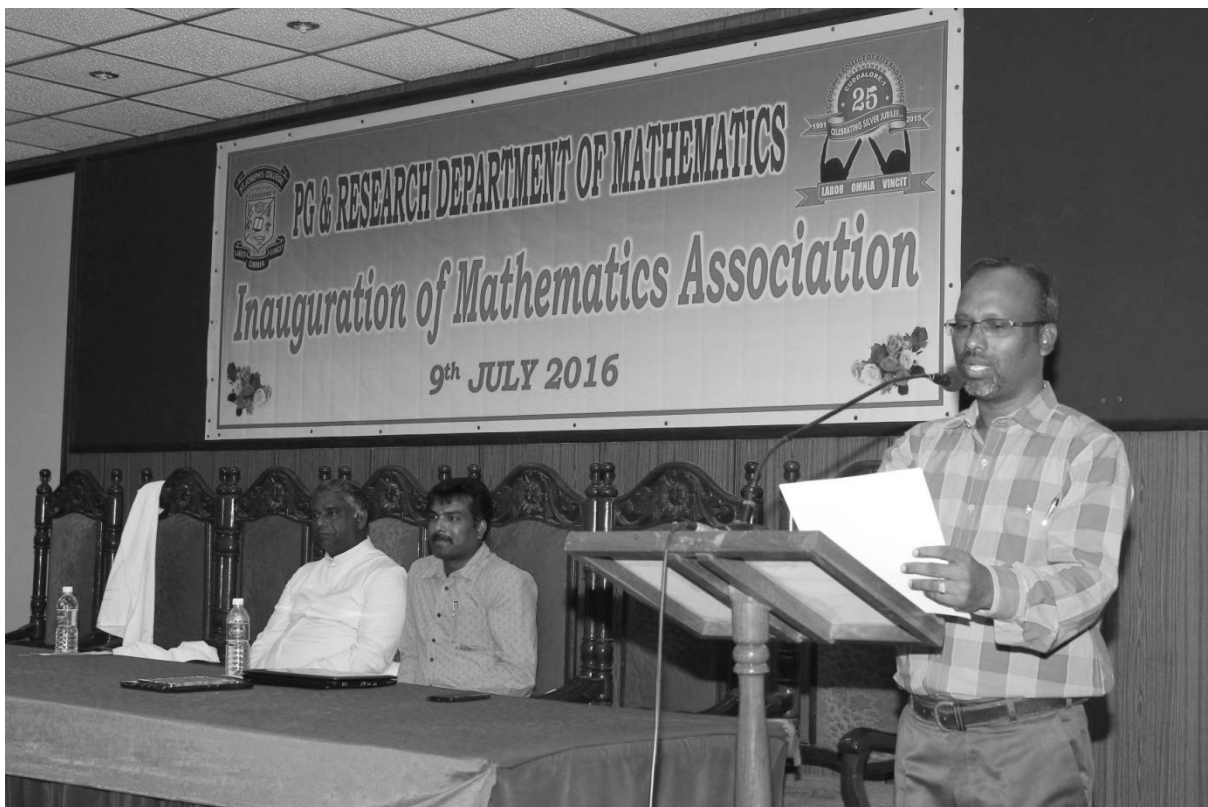


Followed by the motivating speech of Dr. S. Chinnappan, Principal and Mr. M. Arumai Selvam, Vice Principal.



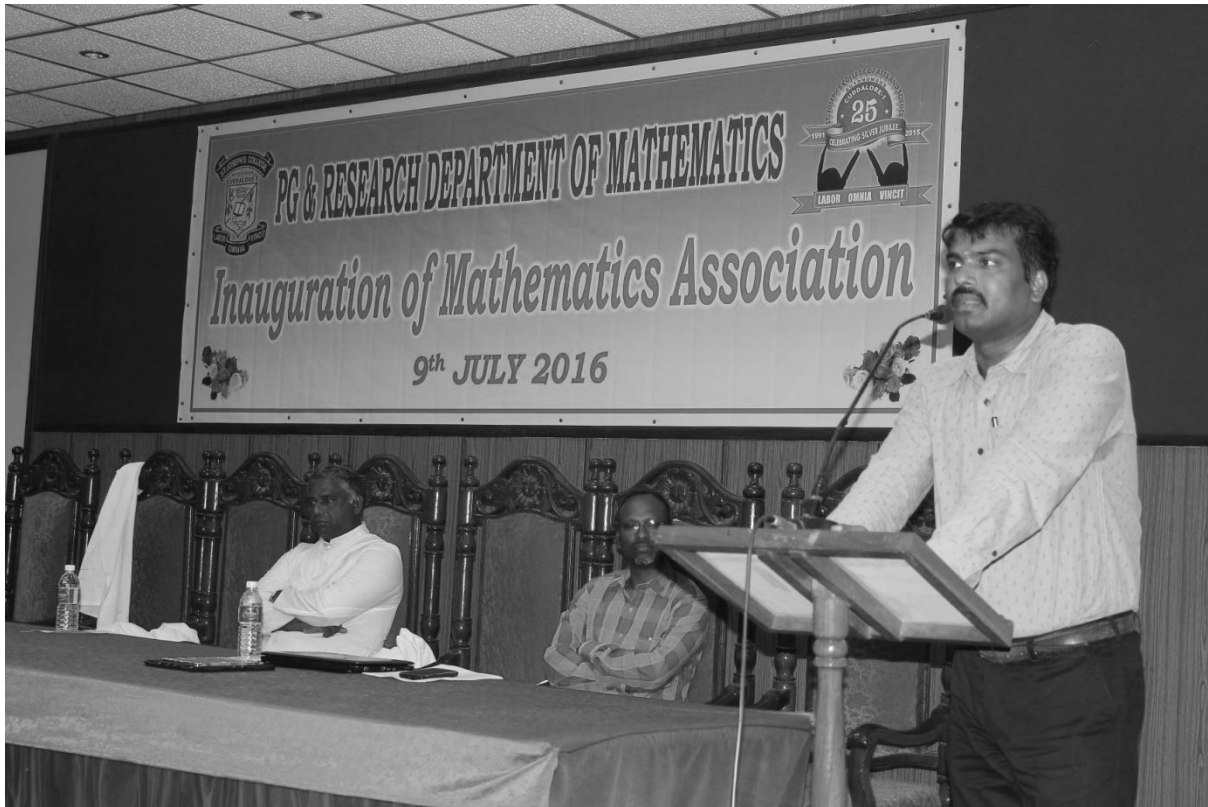


Mr. J. Jon Arockiaraj, the Head, Department of Mathematics introduced the Chief Guest Mr. K. Ragubady, Senior Manager, HR & IR, Strides SHASUN Pharmaceuticals Ltd, Cuddalore.



Mr. K. Ragubady, Chief Guest presented the Inaugural Address.

He motivated the students through his thought provoking speech on Goal setting. And also advised to drive out carelessness in life and succeed through constant hardwork and dedication in studies and career.



The function ended up with the delivering of Vote of thanks by Ms. K. Rajalakshmi, II M.sc Mathematics. Followed by National Anthem.

INAUGURAL FUNCTION OF MATHEMATICS ASSOCIATION – SHIFT-II

Inaugural function for PG & RESEARCH DEPARTMENT OF MATHEMATICS(Mathematics Association) for the year 2016-2017 on 9th july,2016 was conducted by started with lightening the kuthuvillaku



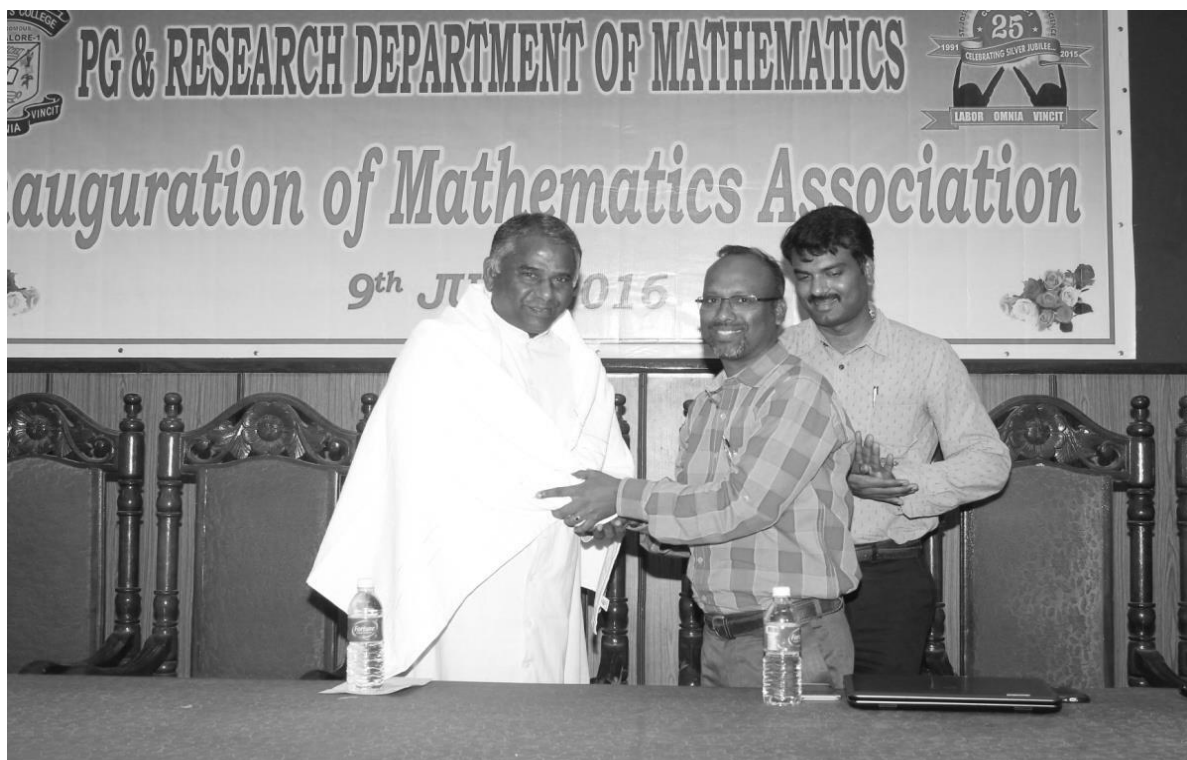
Inaugural function began with praising the almighty by prayer song followed by thamizhthaai vazhuthu



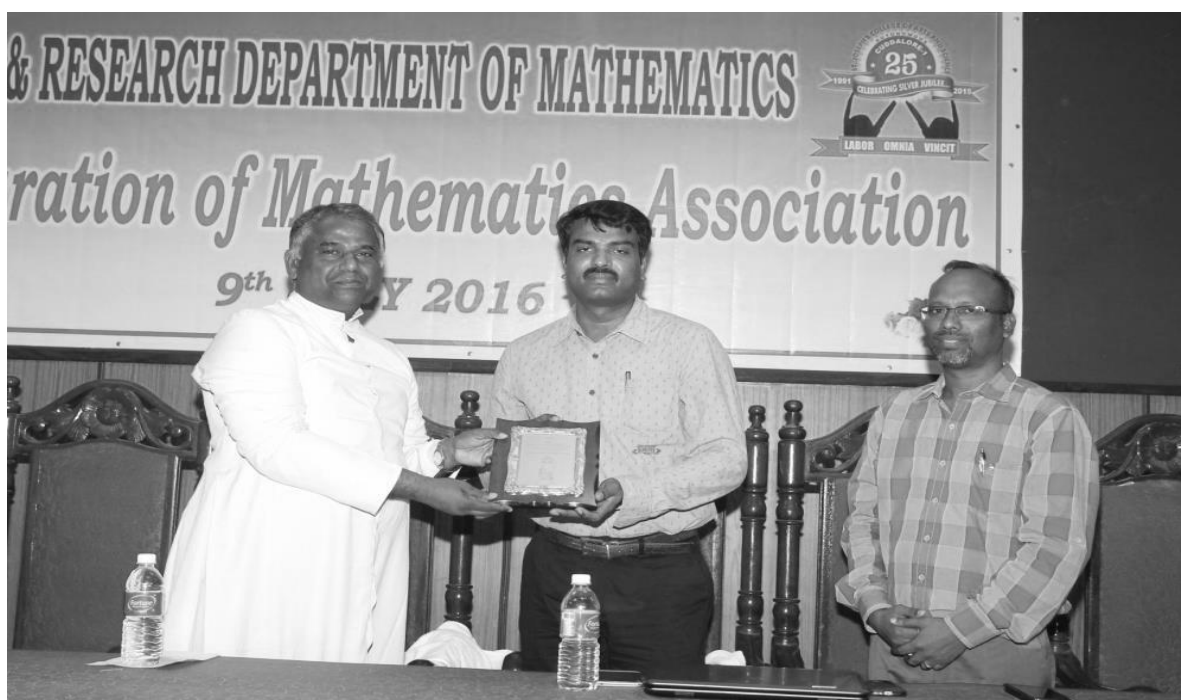
Mrs.A.Savitha Mary, Assistant Professor. gave the welcome address has a hearty, big and warm to hold all of us.



Honoring the dignitaries. Rev.Fr.Secretary was honored by Mr.J.Jon Arokiyaraj with the a shawl



Then the chief guest Mr.K.Ragubathi was honored by Rev.Fr.Secretary with the shawl and memento



Mr.A.Venkateshan Assistant prof, was introduced the office bearers for the academic year 2016-2017



1. *V.Vishali-President-3rd B.Sc Maths*
2. *E.Poorvika-Vice-President-3rd B.Sc Maths*
3. *I.K.Sumaiyarahila-Secretary-3rd B.Sc Maths*
4. *I.Immaculate mary-joint Secretary -3rd B.Sc Maths*
5. *M.Sivapriya-Public Reference Officer-3rd B.Sc Maths*
6. *M.S.Hemalatha-Treasurer*

Office Bearer:

3rd B.Sc Maths:

1. *K.Kiruthiga*
2. *K.R.Samira Begum*
3. *N.Akshaya*
4. *D.Dayana*
5. *M.Madeena begum*
6. *R.vinothini*

2nd B.Sc Maths:

1. *N.Kavipriya*
2. *M.Akshaya*

3. *M.Raja Lakshmi*
4. *J.Dhivya Jenifer*
5. *R.Sara Sandhya*
6. *N.Mumtaj*

1st B.Sc Maths:

1. *V.Jayashree*
2. *V.Vishnu Priya*
3. *M.Devi*
4. *S.Ramya bharathi*
5. *R.Sivanthi*
6. *M.Narmadha*



Rev.Fr.Secretory gave the presidential address. Father said that every mathematical student should proud to be a mathematician .



Introduction of the chief guest made by our H.O.D Mr.J.Jon Arockiaraj

Inaugural Address was given by the chief guest Mr.K.ragubathi who is our department alumni. He gave idea to peruse success in our life. He also remain us that time wait for none and communication is also important for jobs and future career .



Miss K.Kiruthiga of 3rd B.SC Maths gave the vote of thanks in a very gratitudinal way .

Last but not least the inaugural function was end up with National Anthem

National Conference on Recent Trends in Applied Mathematics was held on 22nd and 23rd of July 2016.

The event was planned three months before by the Head of the Department and informed to the staff members and the students of Mathematics. The Souvenir and Invitation for the conference was sent to various colleges in Tamil Nadu and other states.

Registration of the conference has started at 8.30 A.M.

The inauguration of program started with prayer song followed by lighting of the lamp.



prayer song



Rev. Fr. G. Peter Ranjendiram, Secretary, St. Joseph's College of Arts and Science, Cuddalore and Dr. M. Jayaraj, Regional Joint Director, Department of Higher Education, Government of Tamil Nadu, Vellore has lightening the lamp.



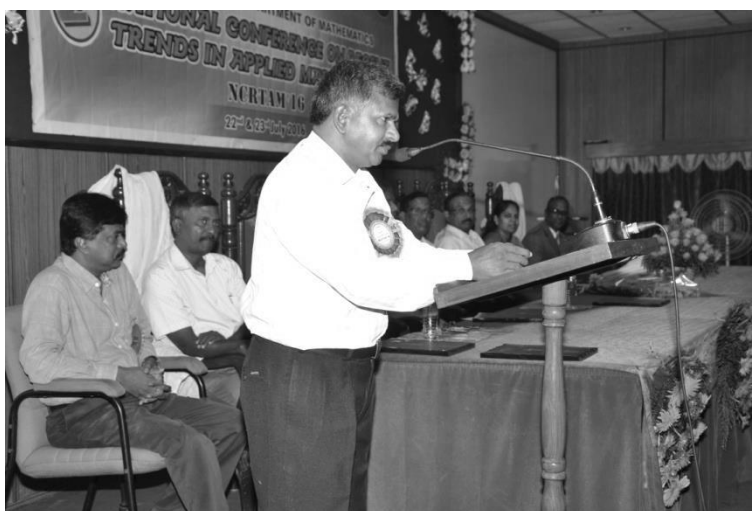
Rev. Fr ,Secretary, and chief guest lightening the lamp.

Mr. J. Jon Arockiaraj, Head, PG & Research Department of Mathematics, Convener, NCRTAM'16 was welcome the gathering.



Welcome Address by Mr.J,Jon Arockiaraj

Rev. Fr. G. Peter Ranjendiram, Secretary, St. Joseph's College of Arts and Science, Cuddalore was given presidential address in a very enthusiastic way.



Dr. S. Chinnappan, Principal and Head, PG & Research Department of History gave facilitate address.

The Souvenir was released by the dignitaries and the first copy of the souvenir was given to the chief guest Dr. M. Jayaraj.



The chief invite Dr. M. Jayaraj, Regional Joint Director, Department of Higher Education, Government of Tamil Nadu, Vellore gave the inaugural address.



Mr. A. Rajesh, Organizing Secretary of the conference gave vote of thanks.



Technical session-I

After the tea break technical session-I has started at 11A.M. In that session Dr. M. Lellis Thivagar Professor and Head, School Mathematics, Madurai Kamaraj University,

Madurai has given an invited talk under the topic Application of Modern Topology on the concept of Nano Topology and its application in the field of medicine.



Technical session-II

Technical session-II has started at 12 P.M. In the session Dr. Rajeswari Seshadri Associate Professor, Department of Mathematics, Pondicherry University, Pondicherry has given an invited talk under the topic Application of Spectral Collocation Methods for Solving Differential Equations. She has given lecture on some deep concepts with its application. The second technical session was concluded.



Dr. Rajeswari Seshadri

From 1 P.M 2 P.M we had lunch break.

Technical session-III

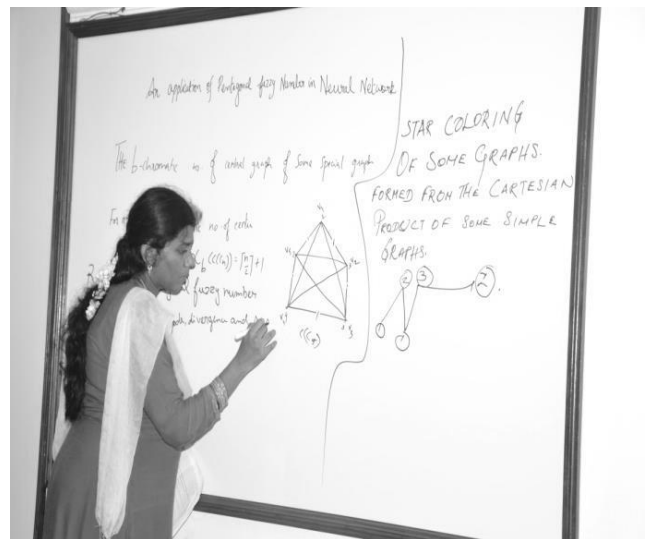
At 2.00 P.M the third technical session was started. The session speech was given by Dr. R. Raja Assistant Professor, Ramanujan Centre for Higher Mathematics, Alagappa



University, Karaikudi on the topic stability analysis of neural work with time varying delays. Further by 3.00 P.M the third technical session was concluded and was followed a tea break at 3 P.M.

Paper Presentation

From 3.30 P.M to 4.30 P.M we had the paper presentation I of various participants along with the technical speech Dr.T.Pathinathan, Associate Professor, Department of Mathematics, Loyala College, Chennai on decision making with attachment and detachment.



The program schedule of first day of the NCRTAM – 2016 got over.

On the second day of the conference we had the following program schedule.

Technical Session - V

The second day of the conference was started with technical speech of Dr.V.Ganesh, Professor, Engineering Department, Mathematics Division, Higher College of Technology, Muscat, Sultanate of Oman on the topic on the stability of shear flow with bottom topography in this the V technical session got over.



By 10.30 A.M we had a tea break

Technical Session-VI

Followed by the tea break, we had technical session VI from 11 A.M to 12 P.M. In this session Dr.A.Sunny Kuriakose Professor and Dean, Department of Mathematics, Federal Institute of Science & Technology, Ernakulum, Kerala has given lecture on the topic of Decision Making in a new Context.



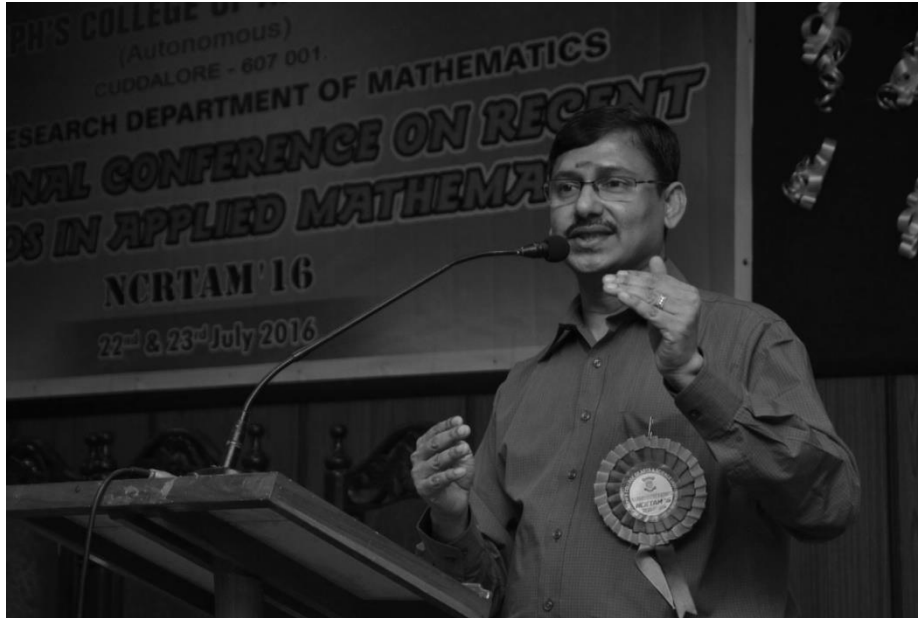
Technical Session-VII

At 12 P.M technical session VII was started. In this session Dr.R.Ilangovane given lecture on solving differential equation using lie point symmetries.



From 1 P.M to 2 P.M we had lunch break.

After lunch at 2 P.M **Dr. A.Somasundaram** Associate Professor, Department of Mathematics, BITS Pilani, Dubai Campus, Dubai,UAE has given lecture on **Domination in Fuzzy Graphs Equations Using Lie Point Symmetries** in the same time the remaining participants presented paper in the seminar hall.



At 3.30 P.M the valedictory function started

In the valedictory the welcome address was given by Mrs.A.Savitha Mary, Assistant Professor and Organizing Secretary of the conference, Department of Mathematics.



Rev.Fr.G.Peter Rajendiram, Secretary have given presidential address.

Finally the valedictory function was concluded by the valedictory speech given by Dr.A.Sunny Kuriakose, Professor and Deen, Department of Mathematics, Federal Institute of Science and Technology Ernakulam, Kerala.



In the valedictory the certificates distributed to the participants and the participants given feedback.

Mr.J.Jon Arockiaraj, Head, P.G Research Department of Mathematics, convener, NCRTAM '16 was given the vote of Thanks.



The grand event ended with the national anthem.

POSTER PRESENTATION SHIFT-I

Department of Mathematics conducted a **Poster Presentation event** entitled as “Applications of Mathematical Science” on **31st August 2016** in the Tarbes block.

The event began at 9.30 am was inaugurated by Rev. Fr. G. Peter Rajendiram, the honorable Secretary and the Chief guest of the ceremony, in the presence of Mr. J. Jon Arockiaraj, the Head, Department of Mathematics and all other Staff members of Department of Mathematics.

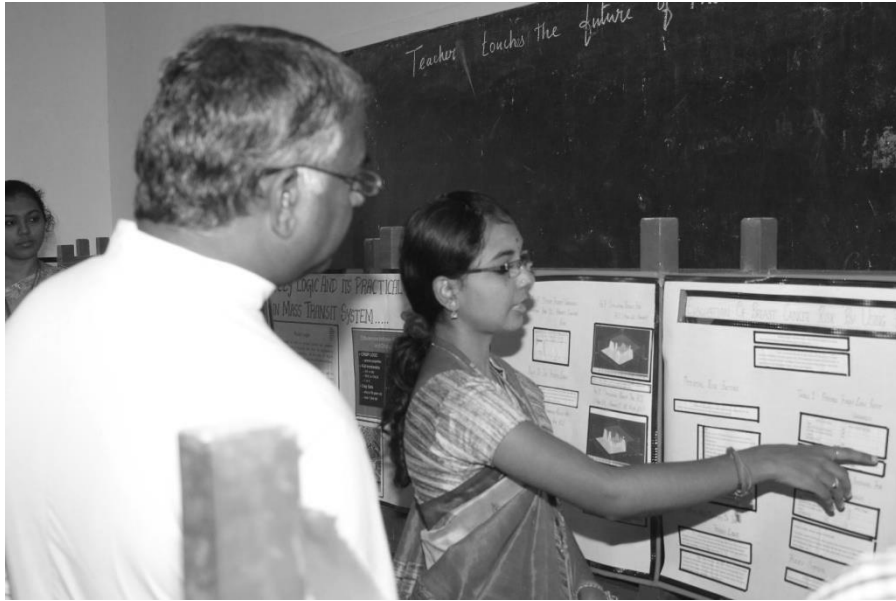


Rev. Fr. Secretary inaugurating the event

It was a mass participate by both UG and PG students of Department of Mathematics. More than 200 students presented posters on various topics.

| Topic | Class |
|----------------------------------------------------------------------------|--------------|
| Applications of Two Dimensions and Three Dimensions | I B.Sc., |
| Applications of Differential equations, Vector Analysis & Fourier Analysis | II B.Sc., |
| Applications of Electrics and Electronics | III B.Sc., |
| Applications of Operations Research | I M.Sc., |
| Applications of Fuzzy theory and Topology | II M.Sc., |

Rev. Fr. Secretary visited the posters presented and the students explained their respective topics and answered the questions asked by him.



One of the students explaining her presentation

Students from various departments had visited and gained ideas and information about Applications of Mathematics.

The student participants were congratulated by Rev. Fr., the HOD and all the Staff members of Department of Mathematics.



The event concluded around 1.00 pm immensely thanking Secretary Rev. Fr. G. Peter Rajendiram for his valuable presence and thanking all the Class incharges of Department of Mathematics for their motivations towards the students.

POSTER PRESENTATION

Shift-II

Department of Mathematics conducted a **Poster Presentation event** entitled as “Applications of Mathematical Science” on **31st August 2016** in the Tarbes block.

The event began at 1.30 Pm was inaugurated by Rev. Fr. G. Peter Rajendiram, the honorable Secretary and the Chief guest of the ceremony, in the presence of Mr. J. Jon Arockiaraj, the Head, Department of Mathematics and all other Staff members of Department of Mathematics.



It was a mass participate by both UG students of Department of Mathematics. More than 360 students presented posters on various topics.

The Topic was stipulated by year wise Under the application of Mathematics.

For the poster presentation topic was

I B.Sc ‘A’ application of two dimensional and three dimensional ,

I B.Sc ‘B’ -application of Algebra and Trigonometry

II B.Sc-A- application of Differential Equation

II B.Sc-B and application of Vector & Fourier Analysis

III B.Sc- 'A' & 'B' -Application of Mechanics



All the students are explained their charts in enthusiastic ways. gave understandable and good explanation to Rev.Father, and the Staff members.

After the Father visit, various department student came to visit Poster Presentation. The event concluded around 1.00 pm immensely thanking Secretary Rev. Fr. G. Peter Rajendiram for his valuable presence and thanking all the Class incharges of Department of Mathematics for their motivations towards the students.

Workshop on Mathematical Applications

The Workshop was held at Rev. Fr.I.Ratchagar Hall on 24th and 25th February 2017.

The Inauguration function started at 9.30 A.M, with prayer song followed by Tamizh Thai vazhthu. The welcome address was given by Mrs.A.savitha Mary.



The workshop has conducted to motivate P.G. and M.Phil. Scholars with regard to their project and dissertation process focusing on theory and applications.

“Vision without action is dream, action without vision is time pass and vision and action makes radical change...i.e. revolution” says Nelson Mandela.

Sound Theory without application and mere application without theory both are meaningless.

Sound theory is very important for applications.

Applications should be based on theory and development of the theory should find its relevance in applications.

The dignitaries were honoured as follows ,

Mr.M.Arumai Selvam, Vice principal and HOD of computer science honoured Fr. Ajay Minj. S.J and E. Mike Dison and Dr.J.Jesintha Roseline



Mr.J.Jon ArockiaRaj, HOD of Mathematics honoured Mr.M.Arumai Selvam, Vice principal, HOD of computer science, Dr.S.Joseph Christian Daniel, HOD of Microbiology and Mr.I.Benjamin Franklin, Dept of Computer application.



Topics of the Resource Persons:

1. Dr. J. Jesintha Rosline gave lecture on “Fuzzy Graph Theory and its Applications”



2. Fr. Ajay Minj. S.J gave lecture on “Philosophy of Fuzzy Mathematics – A Concise Introduction to Applications”



3. E. Mike Disongave lecture on “PRUF-CWW Theory: Tasks and Techniques”



The workshop ended with national anthem.