

NATIONAL SEMINAR

**Title : CONTEMPORARY DEVELOPMENTS IN APPLIED
MATHEMATICS**

Category : Mathematics Association

Date : SEPTEMBER 14, 15 -2018 (2 Days)

No. of Resource Person : 6

No. of Participants : 400

Organizers : Department of Mathematics

Venue : Multipurpose Hall

Schedule

Day-I (14-09-2018)		
8.30 -9.30	Registration	
9.30-10.00	Inauguration	
	Invocation	
	Tamilthai vazhthu	
	Lighting the lamp	
	Welcome address	Mrs.K. Sumithra
	Presidential address	Rev. Dr. Sr. Selvarani
	Chief guest address	Dr.N.Meenal, Ms.Antony Mary
	Vote of thanks	Mrs.D.Pandi Devi

Resource Person	
Session I	
10.00-11.15	Dr.N.Meenal,J.J.College of Arts and Science,Pudukkottai. Title: A Study on Locating Domination number in Graphs
11.15-11.40	Tea Break
Session II	
11.40-1.00	Ms.Antony Mary , Sathyabama University, Chennai. Title: Real Life Application of Graph Theory
1.00-2.00	Lunch Break
Session III	
2.00-3.15	Dr,M.A.Gopalan, Shrimati Indira Gandhi College, trichy. Title: On Special Diophantine Equations

Day-II (15-09-2018)	
Resource Person	
Session IV	
9.15-10.30	Dr.Geetha Sivaraman, St.Joseph's College ,Trichy. Title: Fuzzy Logic and it's Application.
10.30-10.45	Tea Break
Session V	
10.45-12.00	Dr.V.Lakshmana Gomathi Nayagam, NIT, Trichy. Title: Fuzzy Mathematical Modelling.
Session VI	
12.00-1.15	Dr.Chandru Hegde, Mangalore University,Karnataka. Title: Group Theory.
1.15-2.15	Lunch Break
	Valedictory Session

2.15-2.45	Welcome address	Ms. A.Suganya
	Presidential address	Rev. Dr. Sr. Selvarani
	Report of the workshop	Ms. D. Dayana Roselin
	Valedictory address	Chief guest
	Certificate distribution	Ms. G. Shanthini priya
	Feed back	Participants
	Vote of thanks	Mrs.A.Sahayamary
Day-II (15-09-2018)		
Resource Person		
Session IV		
9.15-10.30	Dr.Geetha Sivaraman, St.Joseph’s College ,Trichy. Title: Fuzzy Logic and it’s Application.	
10.30-10.45	Tea Break	
Session V		
10.45-12.00	Dr.V.Lakshmana Gomathi Nayagam, NIT, Trichy. Title: Fuzzy Mathematical Modelling.	
Session VI		
12.00-1.15	Dr.Chandru Hegde, Mangalore University,Karnataka. Title: Group Theory.	
1.15-2.15	Lunch Break	
2.15-2.45	Valedictory Session	
	Welcome address	Ms. A.Suganya
	Presidential address	Rev. Dr. Sr. Selvarani
	Report of the workshop	Ms. D. Dayana Roselin
	Valedictory address	Chief guest
	Certificate distribution	Ms. G. Shanthini priya
	Feed back	Participants
	Vote of thanks	Mrs.A.Sahayamary

Objective:

The main objective of this seminar is to provide an ideal platform for students and researchers to interact with senior mathematicians and to enhance their views and ideas in the field of Mathematics. This seminar will be an avenue to discuss the challenges in the area of Mathematics and sharing the knowledge & experience towards Contemporary Developments In Applied Mathematics.

Report:

On 14th and 15th September 2018, The Dept of Mathematics conducted a two days National Seminar on Contemporary Development In Applied Mathematics.

For this seminar we invited 6 resource persons from various institutions. In the Inaugural Function Asst. Prof. K. Sumithra welcomed the Superior, the Principal and the galaxy of Resource Persons and the Participants. Principal Rev. Sr. Dr. P. Selvarani felicitated the chief guest by shawl and memento. Then the Asst. Prof. N. Meenal informed the gathering about the aim of the seminar. Finally Asst. Prof. D. Pandidevi delivered the vote of thanks in the Inaugural function.

Seminar Details:

Once the seminar was announced there was a good response from the students and faculty from different academic institutions. Nearly 90 UG and PG students of nearby colleges and 297 students from our college, 2 Research Scholars, 3 faculties from other colleges and 9 faculties from our college participated in the seminar and reaped its benefits.

The following Colleges and Number of Students are,

- 10 students from JJ College, Pudukkottai.
- 10 Students from Enathi Rajappa College, Thanjavur.
- 10 Students from Bon Secours College, Thanjavur.
- 15 Students from Govt. College of Arts and Science, Karambakkudi.
- 30 Students from Arputha College of Arts & Science, Pudukkottai.

➤ 15 Students from Auxilium College of Education for Women, Regunathapuram. Totally 6 Colleges gathered on this seminar. The total number of Participants were 400.

Lecture Session:

The inaugural session was followed by 3 Resource person, 1st **Asst. Prof. Dr. N. Meenal**, delivered a speech on “**A Study On Locating Domination Number In Graphs**”. She explained the topic with real life application. 2nd **Asst. Prof. A. Antony Mary** delivered a lecture on “**Real Life Application of Graph Theory**” which was very interesting and useful for the students for their higher studies. 3rd **Asst. Prof. Dr. M. A. Gopalan** from Shrimati Indira Gandhi College, Trichy, Explained a topic “On Special Diophantine Equation”. He also gave an idea, how to appear in competitive exam by using short cut methods in Number theory.

The second day of the seminar started with the **Asst. Prof. Dr. Geetha Sivaraman from St. Joseph’s College, Trichy**. She delivered a topic on “**Fuzzy Logic and its Application**”. From this Students learned how to apply real life problems in fuzzy

Followed by her session **Asst. prof. Dr. V. Lakshmana Gomathi Nayagam , NIT, Trichy**, gave an inspiring talk on the topic “**Fuzzy Mathematical Modelling**” in which students got an idea about research in Fuzzy. Last but not least **Asst. Prof. Dr. Chandru Hegde, Mangalore University, Karnataka** gave a motivational lecture on the topic “**Group Theory**”. He explained the importance of group theory.

All the six session were informative as well as interactive. We hope that the workshop was beneficial to all the students and faculties especially for III UG and II PG students.

Valedictory Function:

In the Valedictory Function **Asst. Prof. A. Suganya** welcomed the Superior, the Principal, the Resource Persons and the Participants. The Principal **Rev. Sr. Dr. P. Selvarani**

and the resource person Dr.Chandru Hegde distributed the certificate for all the Participants. Finally National Seminar was ended with the vote of thanks by Asst. Prof. A. Sahayamary followed by the presentation of report by Asst. prof. D. Dayana Roselin. Atlast the workshop was conclude with the national Anthem.

Outcome of the Program:

Participants will:

- Be able to get exposure in terms of new advancements in applied mathematics.
- Be able to focus on the development of new mathematical technique.
- Be able to understand the fundamental concept of analysis with geometric approaches.

Brochure of National Seminar

<p>Executive Committee Member</p> <p>Prof. Mrs. T. Balapriya, M.Sc., M.Phil., B.Ed., Prof. Mrs. M. Arijvalli, M.Sc., M.Phil., B.Ed., Prof. Mrs. G. Shanthini Priya, M.Sc., M.Phil., Prof. Ms. A. Sahayamary, M.Sc., M.Phil., Prof. Ms. A. Suganya, M.Sc., B.Ed., (Ph.D.)</p> <p>Core Committee</p> <p>Miss. G. Arul Nithiya Miss. J. Jegadeeshwari Miss. J. Micheal Avila Miss. J. Mestica Miss. A. Udhaya Clara Miss. S. Nivetha</p> <p>Address For Communication Rev. Sr. M. Pushpa, M.Sc., M.Phil., (Ph.D.) Head Department of Mathematics</p> <p>AUXILIUM COLLEGE OF ARTS AND SCIENCE FOR WOMEN Regunathapuram, Karambakudi, Pudukkottai.</p> <p>E-Mail : auxregumath2008@gmail.Com Contact No : 9042805665, 8056792301, 9087351439, 9789253830</p> <p>DATES TO REMEMBER Last Date for Receipt of filled application through e-mail or post</p>		<p>AUXILIUM COLLEGE KNOWLEDGE AND VIRTUE</p> <p>AUXILIUM COLLEGE OF ARTS AND SCIENCE FOR WOMEN Regunathapuram, Karambakudi, Pudukkottai.</p> <p>NATIONAL SEMINAR ON CONTEMPORARY DEVELOPMENTS IN APPLIED MATHEMATICS SEPTEMBER 14, 15 - 2018</p> <p>Registration Form</p> <p>1. Name (In Capital) : _____ 2. Gender : Male / Female 3. Age : _____ 4. Designation : _____ 5. Qualification : _____ 6. Institution : _____ 7. Address For Contact (with Mobile No and email) : _____</p> <p>Signature : _____ Date : _____</p> <p>Signature of the Forwarding authority with Seal</p>		<p>AUXILIUM COLLEGE KNOWLEDGE AND VIRTUE</p> <p>NATIONAL SEMINAR ON CONTEMPORARY DEVELOPMENTS IN APPLIED MATHEMATICS SEPTEMBER 14, 15 - 2018</p> <p>Organised by DEPARTMENT OF MATHEMATICS</p> <p>AUXILIUM COLLEGE OF ARTS AND SCIENCE FOR WOMEN Regunathapuram, Karambakudi, Pudukkottai. Website : auxiliumcollege.com Mobile : 8056792301</p>	
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About the College

Auxilium college of Arts and Science was a vision comes to reality of the salesian sisters of chennai province. it is situated in a remotest corner of Pudukkottai District, a village named Regunathapuram surrounded by number of villages. Young people of these villages are their treasure. After so much of struggle and sacrifices of the sisters, in the year 2007,Auxilium College received affiliation orders from the university of Bharathidasan, Thiruchirappalli. For five courses and started only with three Students admitted to the Department of English. The people of these villages higher education. The lamp lighted up shines brighter and higher and attracts the simple and under privileged young girls of the villages to chase away their ignorance through obtaining higher education.

The college aims to provide higher education to the women of rural and marginalized villages in and around the vicinity. It has a definitive goal to impart holistic higher education to the first generation girls transform them into women of distinguishable standards in this technological era. As shares in the mission of Don Bosco, we strive to be evangelizers, proclaiming the love of christ through education to empower and transform the life of the locality.

About the Department

The Department of Mathematics started with UG Programme in 2008 and upgraded to PG programme in the Year 2013 and with the vision to Research Programmes in the succeeding years. The department aims at over all development of the students by motivating them to participate in seminars, conferences, workshop etc. The department has dedicated qualified faculty members actively engaged in conducting education programmes, research and teaching the universal language "mathematics". to rural young minds to promote mathematical thinking and relate it to real life contexts and make educated responsible students in the Society.

Objective of the Seminar

The main objective of this workshop is to provide an intellectual forum to researchers, educators, students and professionals to exchange the ideas, to communicate and discuss recent trends and development in the field of the mathematics.

The seminar will be avenue to discuss the challenges in the area of Mathematics and sharing the knowledge & experience towards contemporary development of Applied Mathematics.

Salient Features of the Seminar

- The prime purpose of conducting this seminar is to get exposure in terms of new advancements in applied mathematics.
- The seminar will focus on the development of new mathematical technique.
- Fundamental concepts of analysis would be refreshed with geometric approaches.
- Three session per day would be conducted.
- Certificates would be issued to each participants.
- Discussion on problem solving techniques in every Session.

Instruction

- Registration fee per student should be paid at the time of registration only if prior intimation is given.
- Participants should bring their college ID cards
- Accommodation will not be provided by the organizers.

Registration Fee Schedule

<<Registration is compulsory for all the participants>>
Students & Research Scholars.....200
Faculty Members.....300
Registration fee includes lunch, Tea, Snacks & kit.

Resource Persons

- **Dr. M.A.Gopalan**,
Shrimati Indira Gandhi College,
Thiruchirappalli.
- **Dr. Lakshmana Gomathi Nayagam.V**
National Institute of Technology, Trichy
- **Dr. Chanru Kegde**,
Mangalore University, Karnataka.
- **Dr. Geetha Siyaraman**,
St. Joseph's College, Trichy.
- **Dr. N. Meenal**,
J.J.College of Arts and Science, Pudukkottai.
- **Miss. A. Antony Mary**,
Sathyabama University, Chennai.

Organizing Committee

PATRONS

Secretary :

Rev. Sr. Dr. M.A.Mariapushpam, M.Sc., M.Ed., Ph.D.,

Principal :

Rev. Sr. Dr. P.Selvarani, M.Sc., M.Phil., Ph.D.,

Convener :

Rev. Sr.M.Pushpa, M.Sc., M.Phil., (Ph.D)
Head Department of mathematics

Co-Convenor :

Prof. K.K.Saranya, M.Sc., M.Phil., B.Ed.,

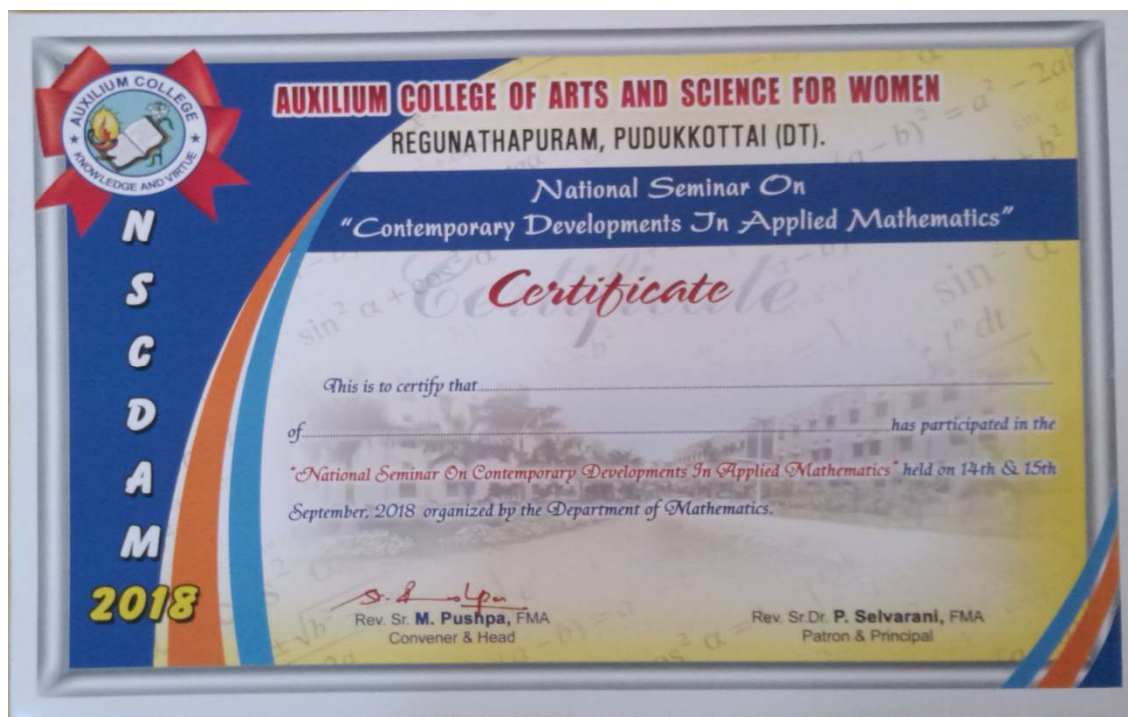
Organizing Secretary :

Prof. D.Dayana Roselin, M.Sc., M.Phil., B.Ed., (Ph.D)
Prof. D.Pandi Deyi, M.Sc., M.Phil., B.Ed., PGDCA
Prof. K.Sumithra, M.Sc., M.Phil., B.Ed., PGDCA

Banner of National Seminar



Certificate of National Seminar



Photos of National Seminar





