

# INAUGURATION OF MATH ASSOCIATION ADEMIC YEAR

2017- 2018

## ACTIVITY- I

**DATE:** 11.08.2017

Motivating students to be enthusiastically receptive is one of the most important aspects of Mathematics instruction and a critical aspect of any curriculum. Mathematics association inauguration was held in Auxilium college of Arts and Science for women on August 11, 2017. The function was presided over by Dr. P. Philominathan Head of the Department A V. V.M Sri Pushpam College. We started Programme with prayer service followed by welcome speech. Later we introduced Mathematics association Leader and Assistant Association leader. The Mission of the mathematics association to increase the capacity of Mathematics leaders in state and provincial agencies to advance quality Mathematics education. After that the Leader took their pledge that "we the Association Leaders pledge ourselves to be the leaders for this year 2017-2018. We will make our department shine through innovative programme seminars and conferences; we will promote interest among our companions in our field of studies and will become competent persons in future. Finally the programme was ended with the National Anthem.



## ACTIVITY- II

**DATE:** 22.07.2017

"Creativity leads To Thinking

Thinking provides knowledge

And knowledge makes you Great".

We the department of mathematics have conducted game on polynomial equation. We have divided the group into 8 and each group consist of 35 Members. And we whole each power of polynomial with different co-efficient in a single sheet and distributed to the group. All groups put their own efforts and among 8,4 groups were selected. And again we conducted the game on polynomial with prime powers. At least one group was selected as Winner. By this method of learning polynomial made students to love Mathematics more and more.



### ACTIVITY- III

**DATE:** 29. 07. 2017

"A prize given a reward to the winners of competition as in recognition of an outstanding Achievement" .

As an initiative of appreciation the HOD of Mathematics distributed prizes for the winning students, who got first in the games during mathematics Association. After the prize distribution the PG Students of Dept of mathematics shared their experience about the Association. Finally HOD motivated the students by her inspiring words and gave some shortcut methods in mathematics to find solution in the easy way. At last, the programme was ended with National Anthem.



## STATE LEVEL WORKSHOP

**Title : STATE LEVEL WORKSHOP ON CARNIVAL OF ANALYSIS**

**Category : Mathematics Association**

**Date : 23<sup>rd</sup> & 24<sup>th</sup> February 2018 (2 Days)**

**No. of Resource Person : 2**

**No. of Participants : 420**

**Organizers : Department of Mathematics**

**Venue : Multipurpose Hall**

### Schedule

Day-I (23-02-2018)		
8.30 -9.00	<b>Registration</b>	
9.15-9.45	<b>Inauguration</b>	
	Invocation	
	Tamilthai vazhthu	
	Lighting the lamp	
	Welcome address	K. Sumithra
	Chief guest address	P. Joyal Roy
	Vote of thanks	Rexy
Resource Person		
Session I		
9.45-11.00	<b>Mr. V. Vairaperumal st.Joseph college ,Trichy</b>	



	Title: Continuity differentiability in R and C
11.00-11.20	Tea Break
<b>Session II</b>	
11.20-12.45	<b>Mr. V. Vairaperumal st.Joseph college, trichy</b> Title: Tutorial session
12.45-1.30	Lunch Break
<b>Session III</b>	
1.30-2.45	<b>Mr. P .Joyal Roy st.Joseph college,trichy</b> Title: Analyticity

Day-II (24-02-2018)		
Resource Person		
Session IV		
9.00-10.15	<b>Mr.M. Madhavan , Thiagarajar college, madhurai</b> Title: Sequence and Series of real and Complex number	
10.15-10.45	Tea Break	
Session V		
10.45-12.00	<b>Mr.M. Madhavan , Thiagarajar college, madhurai</b> Title: Tutorial session	
Session VI		
12.00-1.15	<b>Mr.P.Joyal Roy St.Joseph college,Trichy</b> Title: Complex Integration	
1.15-2.15	Lunch Break	
2.15-2.45	<b>Valedictory Session</b>	
	Welcome address	Ms. G. Shanthini priya
	Presidential address	Rev. Dr. Sr. Selvarani
	Report of the workshop	Mrs. D. Dayana Roselin
	Valedictory address	Chief guest

	Certificate distribution	Mrs. K.K. Saranya
	Feed back	Participants
	Vote of thanks	Mrs. M . Karthika

### **Objective:**

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

### **Report:**

On 23<sup>rd</sup> & 24<sup>th</sup> February 2018. We the department of mathematics conducted a two days state level workshop on carnival of analysis.

For this workshop we invited Asst. Prof. P.Joyal Roy and M.Vairaperumal from St.Jopseph's college Trichy.

In the inaugural function Asst. Prof.Mrs. K.Sumithra welcomed the superior, principal the galaxy of resource persons and the participants.

Our principal Rev.Sr.Dr.P.Selvarani felicitated the chief guest by shawl and momento the the Asst.Prof. P.Joyal Roy, informed the gathering about the aim of the workshop.

Finally Asst.Prof. A.Thynees Remy delivered the vote of thanks in the inaugural function.

### **Workshop Details:**

Once the workshop was announced there was a good response from the students and faculty from different academic institutions. Nearly 132 UG and PG students of nearby colleges and 286 students from our college 2 research scholar , 3 faculties from other colleges and 9 faculties from Auxilium college were participated in the workshop and reaped its benefits.

The following colleges and number of students ,

1. 65 students from JJ college of arts and science , Pudukkottai.
2. 17 students from Annaivelankanni college of arts and science , Thanjavur.
3. 5 students from Enathi Rajappa college , Thanjavur.
4. 5 students from Bon Secours college , Thanjavur.
5. 16 students from Govt .college of arts and science , Karambakkudi.

6. 26 students from Auxilium college of Education for women , Regunathapuram.
7. 1 students from Prist University , Thanjavur

Totally 7 colleges gathered on this workshop. The total number of participants were 420.

### **Lecture Session:**

The inaugural session was followed by 3 resource person Asst.Prof.V.Vairaperumal deliver speech on “Continuity Differentiability in Real and complex”. We explained the topic in graphical view. Then we had a tutorial session in which we discussed how to solve a real problems in a graphical way.

Followed by this session Asst.Prof.P.Joyal Roy gave a motivation on “Analyticity”.

In which he explained limit , continuity and differentiability concept. The first day of the workshop ended by him with the lecture of Analyticity and Differentiability concept.

The second day of the workshop started with the Asst.Prof.M.Madhavan.We explained the importance of sequences in Real and complex numbers.Then we had a problem solving session. It was conduct by Asst.Prof.P.Joyal Roy.

In which he delivered a lecture a complex integration. Above all the session were informative as well as interactive.

### **Out of the programme:**

Participants will

- Be to get exposure interms of mathematical analysis.
- Be able understand the fundamental concepts of analysis would be refreshed with geometric approaches.
- Be benefited to all the students and faculties especially for third year and post graduate students.

### **Valedictory Function:**

In the valedictory function Asst. Prof. G.Shanthini Priya welcomed the superior, principal the resource persons and the participants. Our principal Rev.Sr.Dr.P.Selvarani and the resource persons to distributed the certificates for all the participants. Finally Asst.Prof. Mrs. M . Karthika delivered the vote of thanks in the valedictory function.

# Brochure:

### 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 never even dream to have their girl children receive 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 to transform them into women of distinguishable standards in this technological era. As sharers in the mission of DonBosco, 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, workshops etc. The department has dedicated qualified faculty members actively engaged in conducting educational 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 WORKSHOP

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

### SALIENT FEATURES OF THE WORKSHOP:

- \* The prime purpose of conducting this workshop is to get exposure in terms of mathematical analysis.
- \* 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.

### INVITED SPEAKERS

\* **Mr. Madhavan, M.Sc, NET**  
Asst.Prof., Dept of Mathematics,  
Thiyagarajar College,  
Teppakulam, Madurai-9.

\* **Mr. V.Vairaperumal, M.Sc., SET**  
Asst.Prof., Dept of Mathematics,  
St.Joseph's College, Trichy.

\* **Mr.PJoyal Roy, Msc., M.Phil.,**  
Asst.Prof., Dept of Mathematics,  
St.Joseph's College, Trichy.

### ORGANIZING COMMITTEE

**PATRONS**  
Secretary:  
Rev.Sr.Dr.A.Mariapushpam, M.Sc., M.Ed., Ph.D.,

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

Convener:  
Prof.K.K.Saranya, M.Sc., M.Phil., B.Ed.,  
Head, Department of Mathematics.

Co-Convener:  
Rev.Sr.M.Pushpa, M.Sc., M.Phil., (Ph.D)

Organizing Secretary:  
Prof.D.Dayanā Roselin, M.Sc., M.Phil., B.Ed., (Ph.D

### Executive Committee Member

Prof. Ms. T.Balapriya M.Sc., M.Phil., B.Ed.,  
Prof. Mrs. K.Sumithra M.Sc., M.Phil., B.Ed.,  
Prof. Ms. M.Arivoli M.Sc., M.Phil., B.Ed.,  
Prof. Mrs. M.Karthika M.Sc., M.Phil., B.Ed.,  
Prof. Ms. G.Shanthini Priya M.Sc., M.Phil.,  
Prof. Ms. A.Thynees Remy M.Sc., M.Phil.,

### Core Committee

Miss. S.Aishwarya (Association Leader)  
Miss. A.Silambukarasi. (Asst. Association Leader)  
Miss. N.Ishwarya  
Miss. C.Suganya  
Miss. R.Abinaya Devi  
Miss. S.Anjali Elizabeth

### Address For Communication


Mrs.Prof. K.K.Saranya, Asst. Prof.,  
Head, Department of Mathematics

AUXILIUM COLLEGE OF ARTS AND SCIENCE FOR WOMEN  
REGUNATHAPURAM  
KARAMBAKUDI  
PUDUKKOTTAI

E-Mail : jssrswm@gmail.com  
r2321194@gmail.com  
Contact No : 9942385465, 9456792381  
7825016452, 9887351439  
( For Scanned Copy of the Registration form Send email to the head )

### DATES TO REMEMBER

Last Date for Receipt of  
Filled Application through  
E-mail on Post  
21<sup>st</sup> Feb. 2018



AUXILIUM COLLEGE OF ARTS AND SCIENCE FOR WOMEN  
REGUNATHAPURAM  
KARAMBAKUDI  
PUDUKKOTTAI

### STATE LEVEL WORKSHOP ON CARNIVAL OF ANALYSIS

23-24, Feb 2018

### Registration Form


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) :

Signature : \_\_\_\_\_  
Date : \_\_\_\_\_

Signature of the Forwarding authority with Seal

### STATE LEVEL WORKSHOP ON CARNIVAL OF ANALYSIS

23-24, Feb 2018



Organized by  
DEPARTMENT OF MATHEMATICS

AUXILIUM COLLEGE OF ARTS AND SCIENCE FOR WOMEN  
REGUNATHAPURAM  
KARAMBAKUDI  
PUDUKKOTTAI

Website: auxiliumcollege.com  
Mobile: 9887351439

