

# DEPARTMENT OF MATHEMATICS

## DEPARTMENT ACTIVITIES

2016 - 2017

### 1. Guest lecture

Organized UGC funded Guest Lecture Programme on “Competitive Skills in Linear Algebra” during 14 –15 September, 2016. **Dr.K.Karuppiah**, Programme Associate, Department of Applied Mathematics, Bharathiar University, Coimbatore delivered a talk on “Competitive Skills in Linear Algebra”.

Organized UGC funded Guest Lecture Programme on “Sequences and Series” on 22 February, 2017. **Dr.S.Ponnusamy**, Head, Indian Statistical Institute, Chennai Centre delivered a lecture on “Sequences and Series”.

### 2. Association Activities

#### (i) Association Competitions

The **Mathemagic** Association conducted paper presentation competition for the students of I, II and III B.Sc., Mathematics in the topics Calculus, Scilab and Latex respectively. The purpose of this competition is to motivate the students to utilize the video lectures provided by “Knowledge Resource Centre (KRC)” which has been purchased under DBT STAR College Scheme.

## **(ii) Association Meeting**

Conducted **Mathemagic** Association Meeting on 11.08.2016 with **Prof.N.Gokulasanthan Krishnan**, Retired Professor, Sri Vasavi College, Erode as Chief Guest and he spoke on “Mathematics and Values”, which relates values of life with Mathematics.

The **Mathemagic** Association organized a special meeting on the occasion of Women’s Day celebrations. **Mrs.S.Ranganayaki**, Assistant Director, Agricultural Office, Chennimalai was the chief guest and spoke on “Organic Farming”, a need of the hour topic. The students interacted with the resource person regarding organic farming and some of them shared their experiences in organic farming. On the whole, the programme was an eye opener to all the participants regarding the current situation of agriculture.

## **3. Retraining of Teachers**

Organized UGC funded Retraining of Teachers on 04.08.2016. **Mr.S.Baskar**, Chief Executive Officer, Linuxpert Systems, Chennai acted as resource person and provided training on “DIGI-MAT Digital Library System (MOOC Edition)”.

Organized UGC funded Retraining of Teachers on 10.03.2017. **Dr.K.Rajagopal**, Associate Professor & Head, Department of Mathematics, Sri Vasavi College, Erode delivered a lecture on “Statistical Data Analysis – An Introduction”. He pointed out that Statistical Data Analysis is an emerging tool in Data sciences and Big Data Analytics, which is the need of the hour.

## **4. Mathclub Extension Activity and Mathclub Lecture Series**

Organized Mathclub Lecture Series for Students as a part of UGC funded Extension activity and the details are as given below:

S. No.	Topics	Date	Resource Person	No. of Beneficiaries
1	MLS - I Convergence and Divergence of Series	24.07.2016	Ms.M.Vadivukkarasi Assistant Professor Department of Mathematics Kongu Arts & Science College Erode.	46 participants from 4 colleges M.Phil scholars II M.Sc students III B.Sc students II B.Sc students Faculty members
2	MLS – II Introduction to Linear Algebra	21.09.2016	Dr.Geetha Thangavelu Institute of Algebra & Number Theory University of Stuttgart Germany.	77 participants from our college M.Phil & Ph.D., scholar III B.Sc students Faculty members

## 5. RTAMS 2016

Organized Two-day National Seminar on “Recent Trends in the Applications of Mathematical Sciences (RTAMS – 2016)” during 08 – 09 September, 2016.

In Technical Session I, Dr.Ashok Rao spoke on “Applications of Fourier Methods” which created enormous interest to the participants to start learning Fourier Methods. Technical Session II was handled by Dr.T.Sengadir on ‘Gronwall’s Inequality and Linear Algebra of Differential Equations” on the same day. In the afternoon, papers were presented by faculty members, research scholars and students. The Paper presentation for faculty members was chaired by Dr.P.Shakila Banu, Assistant Professor, Department of Mathematics, Vellalar College for Women and Dr.R.Parvathi, Associate Professor & Head, Department of Mathematics chaired the Paper presentation sessions for students and research scholars. A total of 16 papers from 5 colleges had been presented.

On 09.09.2016, the day started with Technical Session III by Dr.K.Balachandar, Professor Emeritus (UGC–BSR), Department of Mathematics, Bharathiar University,

Coimbatore on “Optimum Control of Nonlinear Systems”. **Dr.A.Muthusamy**, Professor, Department of Mathematics, Periyar University, Salem handled Technical Session IV on “Cycle Frames: An Overview”.

The last session handled by **Dr.P.Shakila Banu**, Assistant Professor, Department of Mathematics was on “History of Algebra”. The topics like Babylonian Algebra, Egyptian Algebra are very much new to the participants.

### **List of Books sponsored by NBHM**

<b>S.No.</b>	<b>Name of the Book</b>	<b>Name of the Author</b>
1	Linear Algebra	S.Kumaresan
2	Algebra	N.S.Goplalalrishnan
3	Algebra	Artin
4	Calculus(Single Variable, Vol.I)	Tom.M.Apostol
5	Calculus(Multi Variable, Vol.II)	Tom.M.Apostol
6	Topology of Metric Spaces	S.Kumaresan