

# DEPARTMENT OF MATHEMATICS

## DEPARTMENT ACTIVITIES

2015 - 2016

### **1. Special meetings**

Department of Mathematics convened a special meeting on “Opportunities in Abroad” by Mrs.E.S.Bagyalakshmi, Gold Sachs, USA, an alumnus of our department on 08.09.2015.

### **2. Guest lecture**

Organized a UGC funded Guest Lecture Programme on “Applications of Mathematics” on 07.08.2015 with Dr.R.Suresh, Associate Professor, Department of Mathematics, Vel Tech University, Avadi, Chennai as resource person.

Organized DBT funded Guest Lecture on “Motivation and Success” with Prof.S.Kathiravan, Professor & Head, Dept. of Psychology, Periyar University, Salem as guest speaker. 59 participants comprising of teachers, research scholars and students of Mathematics benefited through this programme.

Organized DBT funded Guest Lecture on “Enrichment of Quantitative Skills” with Dr. C.Sekar, Professor of Mathematics, PG Extension Centre, Manonmaniam Sundaranar University as guest speaker on 03.03.2016. 128 participants comprising of teachers, research scholars and students of Mathematics benefited through this Programme.

### **3. Association competitions**

In connection with ‘Mathmagic Association’ activities, Mathmodels competition was conducted for the students of B.Sc., Mathematics on 28.01.2016. The students actively participated in the competitions and won prizes.

### **4. National / International Workshops / Conferences / Seminars organized funded by DBT and UGC**

Organized UGC funded Workshop on “Algebra & Analysis” under UGC Autonomous grant during 21 – 26 August 2015. In Technical Sessions, Mr.N.Annamalai, DST – INSPIRE FELLOW (JRF), Department of Mathematics, Bharathidasan University, Trichirappalli explained the basic ideas of Algebra and Analysis.

Organized DBT funded Hands-on Training Programme on “MATLAB” in LINUX Platform during 10.12.2015 to 11.12.2015 with **Dr.U.S.Raghupathy**, Professor, and **Mr.B.Venkatesan**, Asst. Professor, Dept. of ECE, Kongu Engineering College as Resource Persons spoke on MATLAB and LINUX OS. It was very useful to the beginners to learn the software. Hands-on training was also given by the resource persons in image processing using MATLAB. Image crop, image colouring and many other techniques of image processing were discussed.

Organized DBT funded Faculty Development Programme on **Free Open Source Math Software** in LINUX Platform, during 11-13 January 2016 with **Dr.Ajit Kumar**, ICT, Mumbai as Resource Person. The Programme was very useful to the participants by learning many Free Open Source Math Software like Geogebra, Python, R, SageMath, LaTeX, Libre office on LINUX OS.

Organized DBT funded “Workshop on Algebra” during 21-22 January 2016 with **Prof.T.TamilChelvam**, M.S.University as Chief Guest. The participants were highly motivated to do better in competitive examinations and also to pursue their higher studies in Algebra.

Organized DBT funded Two Day Seminar on Applications of Mathematics during 25.02.2016 and 26.02.2016. **Dr.A.Vijayakumar**, Cochin University of Science and Technology, Kerala spoke on “Challenges in Mathematics”. **Dr.A.Anguraj**, PSG College of Arts & science, Coimbatore on “Stochastic Differential Equations”, **Dr.R.Roopkumar**, Central University of Kerala spoke on “Some applications of functional analysis”, **Dr.P.Hemalatha**, Assistant Professor, Department of Mathematics, Vellalar College for Women delivered a talk on “Decomposition of Graphs” and **Dr.M.Lellis Thivagar** spoke on “Nano topological computing techniques for medical diagnosis”.

## **5. DBT funded Lab Visit**

Organized DBT funded Lab Visit on 16.12.2015 to **Vikram Sarabhai Space Centre, Thiruvananthapuram**. The trip started with witnessing Live Rocket Launch (R420 – to measure the Wind Pressure between 10 and 20 Kms height) at VSSC followed by Space Museum visit in the VSSC campus. The participants were excited to see the Rocket Launch and the previous achievements of VSSC in a documentary film.

## **6. Extension Activity**

Departments of Mathematics and Computer Science jointly organized Extension Activity on “**Mathematical Models and Internet**” for the benefit of class IX students of Government High School, Thindal on 28.01.2016. The school students were trained by the students of Departments of Mathematics & Computer Science respectively. B.Sc., (Mathematics) students prepared Mathematics working models and displayed. The concepts behind and the working of the models were explained by them to the school children. Finally, the models were donated to the school. The Department provided a set of Mathematics Formulae book and a Geometry box to all the school children.

## **7. Retraining of Teachers**

Organized Retraining of Teachers Programme under UGC Autonomous Grant on 04.03.2016. In the Technical Session, **Dr.C.Sekar**, Professor of Mathematics, PG Extension Centre, Manonmaniam Sundaranar University, Kanyakumari District, delivered a talk on “Training the Trainers on Quantitative Skills”. The participants comprising of 20 teachers of Department of Mathematics benefited through this programme.

Organized UGC funded Retraining of Teachers Programme on 17.03.2016. In the Technical Session, **Mr.S.Baskar**, LinuXpert Systems, Chennai, provided hands-on training on Math Open Source Software like PSPP, SageMath, Scilab on Linux Platform. 20 teachers of Department of Mathematics benefited through this programme.