

# DEPARTMENT OF MATHEMATICS

## DEPARTMENT ACTIVITIES

2018 - 2019

### 1. Guest lecture

The Department of Mathematics had organized Guest Lecture Programme under UGC Autonomous Grant on 10.09.2018. **Dr. N. Ramanujam**, Srimad Andavan College, Tiruchurapalli, was the Chief Guest. In Lecture I, he spoke on “Differential Equations and Applications”. His talk was very much interested and motivated the students and the faculty members. He introduced the concepts of Differential equations with real life applications, so that the students were able to think the uses of differential equations. He delivered a lecture on “Introduction to Mathematics” in Lecture II where he shared concepts of Nature, Science, Engineering, Technology and Mathematics in a different way. The students of B.Sc (Mathematics) felt that the lecture was very useful and has given a very clear idea about the applications of Mathematics in real life situations.

### 2. Association competitions

The **Mathmagic** Association competitions were held on 18.2.2019. III B.Sc., (Mathematics) students participated in powerpoint presentation on their respective projects they completed under DBT STAR College Scheme. Students from I year and II year B.Sc., (Mathematics) students participated in Math-Modeling competition. The winners were awarded with prizes.

### 3. Association Meeting

The Department of Mathematics had organized *Mathemagic* Association Meeting on 20.02.2019. **Dr. M. Eswaramurthi**, Professor and Head, Department of Mathematics, Velalar College of Engineering and Technology, Erode was the Chief Guest and delivered a talk on “Applications of Mathematics from the Perspective of the Graduates of Mathematics”. He explained how the learning of mathematics should be related to real life situations. All the teachers, UG students and research scholars attended this meeting.

#### **4. State/National / International Workshops / Conferences / Seminars / Symposia organized**

##### **(i) UGC – CPE funded International Workshop**

Department of Mathematics had organized UGC – CPE funded International Workshop on Computational and Applied Mechanics (IWCAM – 2018) on 09.08.2018. The first session was handled by **Dr.S.Sivasankaran**, Associate Professor, King Abdulaziz University, Saudi Arabia and spoke on “Introduction to Computational Fluid Dynamics (CFD)”. He introduced CFD and discussed a few useful applications of CFD. The next session was handled by **Prof.K.K.Vishwanathan**, Kuwait College of Science and Technology, Kuwait, in the topic “Free vibration of cross – ply laminated cylindrical shells filled with fluid under shear theory using splines”. He explained the fundamental idea of vibration in fluid under shear theory and its various applications in engineering fields. Around 190 participants comprising faculty members, research scholars and B.Sc., Mathematics students benefited through this workshop.

##### **(ii) DBT funded Hands on Training on SAGEMATH and OCTAVE**

The Department of Mathematics has organized DBT funded Hands-on Training on “SAGEMATH and OCTAVE” during 26–28, November 2018 with **Dr.P.S.Srinivasan**, Assistant Professor, Bharathidasan University, Trichy as Resource Person.. In this training, the students were trained to use Free and Open Source Math Software SAGEMATH and OCTAVE. His focus was on using Sagemath and Octave as calculator, 2D & 3D plotting, to solve problems on Number Theory, Linear Algebra and superimposing multiple graphs in one plot.

##### **(iii) UGC – CPE funded Guest Lecture Workshop**

UGC – CPE funded Workshop on “Psychology for Personal Effectiveness” has been organized by the Department of Mathematics on 04.03.2019, Tuesday. **Prof. S. Kadhiravan**, Professor & Head, Department of Psychology, Periyar University, Salem served as the Resource Person for this workshop. He explained the difference between efficiency and effectiveness in our job and talk about the characteristics of this new generation called Generation Z. He explained the ways in which the efficiency can be converted to effectiveness in any work. 220

participants comprising teachers, research scholars, UG Mathematics Students and UG students from other departments benefited out of this programme.

## **5. Extension Activity**

Department of Mathematics had organized Extension Activity on Mathematical Software for the benefit of class VI students of Government High school, Thindal on 27.02.2019. The school students were given Hands-on training by the staff members and the students of the Department of Mathematics. They have learned about the Mathematical software “Geogebra” and created Two Dimensional and Three Dimensional Geometrical Shapes on their own. The school students were given Mathematical Formulae book.

## **6. Retraining of Teachers**

The Department of Mathematics had organized Retraining of Teachers under UGC Autonomous Grant on 04.09.2018. Dr. C. Ganesa Moorthy, Professor of Mathematics, Alagappa University, Karaikudi was the Chief Guest and delivered a talk on “A Generalization of Lattices”. His talk was very useful to the faculty members. He explained basic concepts and types of lattices in an interesting way. All the faculty members were benefited through this program.

## **7. Inter-collegiate meet (Khurushetra 2K19)**

The Department of Mathematics had organized an inter-collegiate meet ‘Khurushetra 2K19’ during pi day celebrations on 14.03.2019. Ms. R. Dharani, III B.Sc., Mathematics welcomed the gathering. Dr. N. Maragatham, Principal, Vellalar college for Women inaugurated the meeting and felicitated the gathering. Competitions such as Math Quiz, Math Sketching, Math Rangoli, Math Drawing, Power Point Presentation, Treasure Hunt and Miming were conducted. 99 Students and 2 Faculty members from various colleges in and around Erode district participated in the Inter-collegiate meet with zeal. Prizes were distributed to the winners by Ms. V. Chitra, Associate Professor and Head, Department of Chemistry. Overall championship was bagged by Nandha Arts and Science College, Erode. Ms. K. Varshini, III B.Sc., Mathematics delivered the vote of thanks.