

## **DEPARTMENT OF MATHEMATICS - ACTIVITIES**

### **1. Indo-Russian Joint research project.**

Dr. Varghese Jacob, Associate Professor of Mathematics has taken part as Scientist of prestigious Indo-Russian bilateral scientific joint project with financial support from Department of Science and Technology (DST) and Russian Science Foundation (DSF) for 3 years during the year 2016-2019. The Joint project has five Scientists from India and six from Russia. It is a joint project that operated between CMS College Kottayam and V.A. Trapeznikov Institute of Control Sciences of Russian Academy of Sciences, Moscow, Russia. The title of the project is “New set of mathematical models, methods, algorithms and software programs of controllable stochastic systems for performance evaluation and design of the next-generation telecommunication networks”. During his visit to Moscow, he had research discussion with Russian Scientists at V. A. Trapeznikov Institute of Control Sciences and attended the following conferences and presented research papers in the conferences.

### **2. The Scholar Residence programme under ERUDITE scheme**

The scholar in Residence programme under ERUDITE scheme is a flagship program of the Govt. of Kerala to inspire young scientist, students and faculty and inculcate excellence in their discipline. On 20th June 2017, Department of Mathematics has organized an innovative programme “**Rendezvous with the Scholar**” as part of Scholar in Residence programme in CMS College Kottayam under ERUDITE scheme supported by Kerala State Higher Education Council, Govt. of Kerala. The world renowned mathematicians, Prof. (Dr.) Dudin Alexander, Belarus State University, Minsk, Prof. (Dr.) A. Krishnamoorthy, formerly CUSAT, UGC Emeritus Professor, CMS College Kottayam and Dr. Rostislav Razumchik, People’s Friendship University of Russia were the guest of honour of the programme.

### **3. Seminars conducted after 2010**

Every year the Department were conducting at least one National seminar in which eminent scholars deliver talks on various relevant topics.

#### **2011-2012**

- Title : Seminar on Recent trends in Mathematics-Topology and its Applications
- Date : 09-02-2012 to 10-02-2012
- Coordinator : Shri. Manjunath A. S.

#### **2012-2013**

- Title : Workshop on LaTeX and Python Programming
- Date : 14-02-2013 to 16-02-2013
- Coordinator : Shri. V. V.Jayalal

#### **2014-2015**

- Title : National Seminar on Mathematical methods in Image processing
- Date : 04-12-2014 to 05-12-2014
- Coordinator : V V Jayalal

#### **2015-2016**

- Title : National Seminar on Operator Theory and Fourier Analysis
- Date : 18-02-2016 to 19-02-2016
- Coordinator : Dr. Madhavan Namboothiri N M

#### **2016-2017**

- Title : National Seminar on “A Mathematical Journey from Euclid to Wiles”
- Date : 30-01-2017 to 31-01-2017
- Coordinator : Dr. Varghese Jacob

#### **2017-2018**

- International Event : “Rendevous with the Scholar “
- Guests of Honor

(1). **Prof. (Dr.) Dudin Alexander Nikolaevich**, Belarussian State Universty, Belarus  
and Russian Academy of Science, Moscow

(2). **Prof. (Dr.) A Krishnamoorthy**, Formerly CUSAT, UGC Emeritus Professor,  
CMS College, Kottayam

(3). **Dr. Rostislav Razumchik**, People's Friendship University of Russia and  
Russian Academy of Science, Moscow

- Date : 20-06-2017
- Coordinator : Dr. Varghese Jacob
- Title : Workshop on R programming and Geogebra
- Date : 04-01-2018 to 05-01-2018
- Coordinator : Dr. Jayaprasad P. N.

#### **2018-2019**

- Title : National Seminar on Dynamical Systems
- Date : 04-10-2019 to 05-10-2019
- Coordinator : Dr. Madhavan Namboothiri N M

#### **2019-2020**

- Title : Workshop on Python programming
- Date : 28-11-2019 to 29-11-2019
- Coordinator : Dr. Jayaprasad P. N.