



### Organizing Committee

Chairman : Dr. K. Jayakumar  
(Principal)  
Convenor : Dr. Bloomy Joseph  
(H.O.D)  
Coordinator : Dr. Pramod P.K

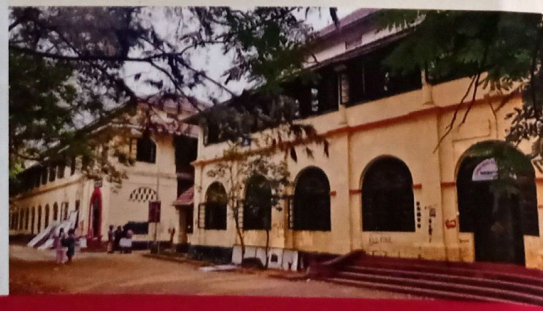
Co-Coordinator:

Dr. Jaya S.  
Prof. Jaya Augustine  
Prof. Thasneem  
Prof. Jiss Mary Jose  
Prof. Murali T.K  
Prof. Viji C.B  
Ms. Mereena Wilson  
Ms. Alaka Mohan

For more information:

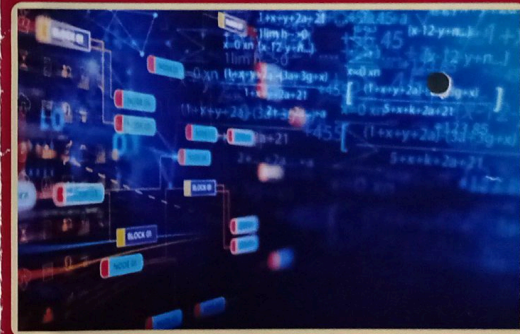
Pramod P.K  
9995045581(Coordinator)

Murali T.K  
9447719414



## TWO DAY WORKSHOP ON PURE AND APPLIED MATHEMATICS

21 & 22 of November 2019



Organised by

The Post Graduate and Research  
Department of Mathematics  
Maharaja's College

(A Government Autonomous College)  
Ernakulam.

Sponsored by

Directorate of Collegiate Education  
Govt. of Kerala

Dear Sir / Madam,

The Post Graduate and Research Department of Mathematics, Maharaja's College, Ernakulam is conducting "Two Day Workshop on Pure and Applied Mathematics" funded by Directorate of Collegiate Education, Govt. of Kerala. We solicit the active participation of the faculty members and postgraduate students of your college/Department.

Dr. Bloomy Joseph  
H.O.D.

Dr. K. Jayakumar  
Principal

### ABOUT THE COLLEGE

Maharaja's College is a Government Autonomous College established in the year 1875. It is one of the five Centres of Excellence in the State of Kerala. It is a special grade college affiliated to Mahatma Gandhi University, Kottayam and placed under Section 2(f) by the University Grants Commission (UGC). It is re-accredited (third cycle) by the National Assessment and Accreditation Council in 2013 at 'A' level. Degree Course in Mathematics started in 1931 and its Post Graduate Degree course in 1951.

### PROGRAM SCHEDULE

21<sup>st</sup> November 2019, Thursday  
Venue : Mathematics Gallery

Inaugural Session : 9.00 am. - 9.30 a.m.

Tea Break : 9.30 a.m.- 9.45 a.m.

#### Session 1 (9.45 a.m. - 11.15 a.m.)

'Stochastic Differential Equations'

Dr. B. Rajeev

Professor, Indian Statistical Institute, Bangalore

#### Session 2 (11.15 a.m. - 12.45 p.m.)

'Stochastic Differential Equations'

Dr. B. Rajeev

Professor, Indian Statistical Institute, Bangalore

Lunch Break - 12.45p.m. -1.15 pm

#### Session 3 (1.15 p.m. - 2.45 p.m.)

'Basic Concepts of Markov Chain'

Dr. A. Krishnamoorthy

Professor (Retd.)

CUSAT

Tea Break - 2.45 p.m- 3 p.m

#### Session 4 (3.00 p.m. - 4.30 p.m.)

'Basic Concepts of Markov Chain'

Dr. A. Krishnamoorthy

Professor (Retd.)

CUSAT

### PROGRAM SCHEDULE

22<sup>nd</sup> November 2019, Friday  
Venue : Mathematics Gallery

#### Session 1 (9.15 a.m. - 10.45 a.m.)

'Fractals to Random Fractals'

Dr. P.B. Vinodkumar

Professor, Dept. Of Basic Science & Humanities  
Rajagiri School of Engg. And Technology

Tea Break - 10.45 a.m. -1.00 a.m

#### Session 2 (11.00 a.m. - 12.30 p.m.)

'Fractals to Random Fractals'

Dr. P.B. Vinodkumar

Professor, Dept. Of Basic Science & Humanities  
Rajagiri School of Engg. And Technology

Lunch Break 12.30p.m. -1.00 pm

#### Session 3 (1.00 p.m. - 2.30 p.m.)

'Machine Learning'

Dr. Vinod Sharma

Professor, Indian Institute of Science, Bangalore

Tea Break - 2.30 p.m- 2.45 p.m

#### Session 4 (2.45 p.m. - 4.15 p.m.)

'Machine Learning'

Dr. Vinod Sharma

Professor, Indian Institute of Science, Bangalore

Valedictory Function - 4.15 p.m- 4.30 p.m