NAME OF THE DEPARTMENT: MATHEMATICS

TITLE OF THE SEMINAR: MATHEMATICALANALYSIS: VISUALISATION&APPLICATIONS

DATE: 20-08-2020 to 04-09-2020

Report of the Online Lecture Series on **Mathematical Analysis: Visualization & Applications**

20.08.2020 - 04.09.2020

National Seminars are conducted every year under the auspices of the Department of Mathematics. However, in 2019 due to the outbreak of Covid-19 in the country and the subsequent lockdown, the possibility of conducting offline seminars became unfavorable. Subsequently, as a pioneering effort, it was decided to conduct an online seminar under the aegis of the department. Accordingly, an online lecture series was organized by the Department of Mathematics in association with IQAC, St John's College, Anchal.

The title of the Lecture series was "Online Lecture Series on **Mathematical Analysis: Visualization & Applications**. The lecture series was held from 20.08.2020 to 04.09.2020 on the google meet platform. In this Lecture series, we conducted lectures on various topics beginning with fundamental concepts of mathematics, moving on to different types of visualization techniques and eventually culminating in accustoming the learners to different areas of applied mathematics and statistics. The targeted group of participants are students and teachers of various colleges and universities and research scholars. An average of 180 participants attended all lectures. All participants were given an Online certificate.

The invited speakers and topics

Sl No	Speaker	Topic
Lecture 1 20th August 2020 Thursday, 2.00 -3.30 pm	**Mr Shinoj K M** Assistant Professor of Mathematics St Joseph's College, Devagiri, Kozhikode	Differential Equations- View of an Analyst
Lecture 2 22th August 2020 Saturday, 2.00 -3.30 pm	**Mr Adersh V K** Assistant Professor of Mathematics TKM College, Kollam	Transformations of Euclidean Plane and Arithmetic of Complex Numbers
Lecture 3 24th August 2020 Monday, 2.00 -3.30 pm	**Dr Manil T Mohan** Assistant Professor of Mathematics IIT Roorkee	An Introduction to Mathematical Optimal Control Theory

Lecture 4 25th August 2020 Thursday, 2.00 -3.30 pm	**Mr Shinoj K M** Assistant Professor of Mathematics St Joseph's College, Devagiri, Kozhikode	Schauder Basis : What and Why?
Lecture 5 04th September 2020 Thursday, 2.00 -3.30 pm	**Dr Shibu D S** Assistant Professor of Mathematics University College, TVM	Career Opportunities in Statistics

Mr Sumesh S S   Mr Sibi C Babu

Co-Ordinaor   Head of the Department