



### **Mr. Atul Dattatray Kolte**

Teaching Assistant, Mathematics

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### **Education**

**M.Phil. (Mathematics)**:-Veer Narmad South Gujarat University of Surat.

**Master of Science (Mathematics)**:- The Maharaja Sayajirao University of Baroda.

**Bachelor of Science (Mathematics)** :- The Maharaja Sayajirao University of Baroda.

### **Key Skills**

Mr. Atul Kolte is capable of working on various areas of Mathematics. Mainly he works in the following areas:

1. Mathematical modelling, Calculus and Linear Algebra.
2. Developing or identifying interrelationship between differential equation and Laplace transforms and Fourier transforms.
3. Various optimization techniques (Operational research)
4. Solution of higher order differential equations by using various weighted residue methods and their comparisons.

### **Background**

Joined GSFC University in July 2019

### **Scholarship and Accomplishments**

Mr. Atul Kolte did M.Phil. Dissertation on solution of higher order differential equation using piece wise Legendre's polynomial by using weighted residue method at Veer Narmad South Gujarat University of Surat. Mr. Atul Kolte has a teaching experience of more than **11 years** wherein he has worked as Assistant Professor, department of science and humanity - Mathematics at Vadodara Institute of Engineering and Technology, Vadodara (now known as VIER). Presently he is working as a Teaching Assistant – Mathematics at GSFC University, Vadodara.

He teaches various subjects of Mathematics and Statistics. Along with the teaching, Mr. Atul Kolte is also involve in different activities of the University for smooth functioning, maintaining and enhancing standard of the University.

He is responsible for coordination for seamless functioning and maintaining the academic activities related to SM club.

He teaches subjects like Calculus, Linear algebra, Vector Calculus, Advanced Engineering Mathematics, Complex Analysis, Numerical Methods, Probability and Statistical Methods, Operations research at School of Technology.

### **Awards/Recognitions:**

1. Create magic in the classroom for student's engagement, 29<sup>th</sup> July 2020.
2. Application of mathematics in engineering, KPR Institute of Engineering And Technology, Coimbatore.
3. Create magic in the classroom for students' engagement, 29<sup>th</sup> July, 2020 at Krantiguru Shyamji Krishna VermaKachchh University.
4. Cloud computing webinar, 1<sup>st</sup> Aug,2020.
5. Five days short term training programme on" Mordern Mathematics Tools in Calculus and Analytics" organized by Department of science and Humanities(Mathematics), Kumaraguru College of Technology,Coimbatore, from 10 to 14 Ayggust 2020.
6. Seminar on Game Theory & Applications.V.I.E.
7. Seminar on Optimization Techniques for Engineers & Researchers.V.I.E.
8. Seminar on Recent Trends in Differential Equations & Numerical Methods.V.I.E.
9. National Conference of Applied Mathematics at Parul institute of engineering & Technology limda.
10. Workshop on Scope of Research in Applied Mathematics at V.G.E.C. Chandkheda.
11. Workshop on Latex-An Efficient Documentation Tool at M.S.U.Baroda.
12. Workshop on Essential Skills for 21<sup>st</sup> Century Researcher at L.D.Engineering College, Ahmedabad.
13. Workshop on Latex for preparation of Mathematical Document & Beamer Presentation at V.I.E.
14. Participation in the Mathematics in Industry, Medicine, Commerce & Plant Sciences Study Group Meeting at Department of Applied Mathematics, Faculty of Technology & Engineering, M.S.U.Baroda.
- 15.Participation in the Research Meet 2011, Department of Applied Mathematics, Faculty of Technology &Engineering, M.S.U.Baroda.