

**One day seminar on Life and Work of Srinivasa Ramanujan organized by Department of Mathematics (DST-FIST Sponsored) Central University of Jammu.**

**20<sup>th</sup> December, 2023**

**Summary Report**

One day seminar on “Life and Work of Srinivasa Ramanujan” (20<sup>th</sup> December, 2023)

Organized by

Department of Mathematics (DST-FIST Sponsored)

Central University of Jammu

Prof. Sanjeev Jain (Patron), Vice Chancellor, Central University of Jammu

Dr. Uday Pratap Singh (Convener)

Dr. Kamlesh Kumar (Organizing secretary)

**Eminent Speakers**

Prof. S. D. Sharma (Ex. Dean of Mathematical Sciences, University of Jammu, Jammu)

Dr. Arvind Kumar (Assistant Professor, Department of Mathematics, IIT Jammu, Jammu)

**Proceedings of the seminar:**

The total 71-number of registrations was made for the participation in the one-day seminar. The participants include faculty members, research scholars and students.

**Inaugural session:**

The seminar which aims at unfolding the contributions of Srinivasa Ramanujan in the field of mathematics commenced with the welcoming of invited guests followed by lighting of lamp. After that, Prof. Ajay Kumar Sharma, Head, Department of Mathematics shared about the glorious events of the department along with various projects conducted in the department. After that, Dr. Kamlesh Kumar, Assistant Professor, Department of Mathematics highlighted the relevance of Mathematics and discussed the whole proceedings of the seminar. After that, he requested Dr. Uday Pratap Singh, Associate Professor, Department of Mathematics to talk about life and work of Srinivasa Ramanujan. Further, the guest of honor of the seminar Prof S.D Sharma (Ex-dean of Mathematical Sciences, University of Jammu). He has also served as the Head of the Department of Mathematics, Central University of Jammu. His research interests include analytic functions, Theory/ Operator theory. He enlightened us with the contributions, life and work of Srinivasa Ramanujan and also emphasized on importance of mathematics. In this order, Prof. Vinay Kumar (Dean, Basic and Applied Sciences and head of the Department of Physics and Astronomical Sciences, and Convener, Satish Dhawan Centre for Space Science) at Central University of Jammu. Prof Vinay Kumar addressed the students by emphasizing that there is no boundary for education. After that, Prof Ajay Kumar Sharma and Dr. Pavinder Singh presented mementos to our Chief guest and Guest of honor respectively.

**After Tea Break:**

In the next session of the program, Dr. Kamlesh Kumar welcomed our invited speaker Dr. Arvind Kumar, Assistant Professor, Department of Mathematics, IIT Jammu. His academic interests include Number theory, Siegel Modular forms, Galois Representation. He has an excellent research experience and an excellent record of publications in reputed international journals. He has also produced a work titled 'RAMANUJAN-STYLE CONGRUENCES FOR PRIME LEVEL'. He delivered a lecture and taught about Galois representation, importance of modular forms etc. Dr. Kamlesh Kumar presented a memento to our invited speaker. Following this various student of the department of mathematics participated by presenting presentations, poems, song, speeches on life and work of Srinivasa Ramanujan in the field of mathematics. The one day seminar on the life and work of Srinivasa Ramanujan was a resounding success, leaving the participants thoroughly informed and inspired. The seminar was an immersive experience that delved deep into the life and achievements of Ramanujan, a legendary mathematician known for his extraordinary contributions to the field. The participants were treated to insightful talks, presentations, and discussions that shed light on Ramanujan's genius, his struggles, and his lasting impact on mathematics. Overall, the seminar was a remarkable opportunity to learn, reflect, and celebrate the legacy of one of the greatest mathematical minds in history.