REPORT ON

CELEBRATION OF NATIONAL MATHEMATICS DAY – 2022 SPONSERED BY JK SCIENCE, TECHNOLOGY AND INNOVATION COUNCEL, DST, J&K

Govt. GLDM Degree college, Hiranagarunder the ages of department of Mathematics and department of Physicscelebrated National Mathematics day – 2022 sponsored by JK SCIENCE, TECHNOLOGY, INNOVATIONAND COUNCEL, DST, J&K on 22nd of December, 2022. In this context series of activities were organized.

DAY- 1(Inaugural session and expert lecture on Application of fixed point theory)

An international Seminar was organized by the department of mathematics on 22nd of December (the birth anniversary of Srinivas Ramanujan, the great mathematician of India.) sponsored by JK SCIENCE, TECHNOLOGY AND INNOVATION COUNCEL, DST, J&K .

 In her inaugural address, Dr. Pragya Khanna, Principal of the college welcome the invited guests and conveyed her best wishes to all faculty members and students on the occasion of National Mathematics Day.

Dr. Ram Krishan (Ex Principal) was the Chief Guest of the programme spoke about the life history of Srinivas Ramanujan and his achievements in the field of mathematics. He also stressed upon the students to learn basics tools of mathematics.

Prof. Liliana Guran from Western University of Arad, Romania, presented a technical lecture on the role and applications of fixed point theory. She encouraged the students to understand mathematics and utilization of fixed point theory in other streams.

Dr. Rajesh Sharma HOD Mathematics and convenor of the programme also spoke on the occasion by giving the detailed introduction of the department

and awared the students about the role of mathematics in science and technology and contributions of Srinivas Ramanujan in the field of mathematics.

Day – 2(Poster making competition and Expert Lecture on Application and importance of Vedic mathematics)

On 23rd of December, a poster making comepetetion was organized by the department of mathematics. During the programme , 25 students presented their posters on the various themes like Contributions of Srinivas Ramanujan in the field if mathematics, History of Vedic mathematics, Role of mathematics in science and technology, Use of mathematics in daily life, Great mathematicians of India etc.

Prof. Sujat khan (HOD Computer science) ,Prof. Preetiverma (Assistant Prof. , department of Physics) and Prof. Neha Bhagat (HOD EVS) acted as jury members during the competition.

Ms. Shaveta (Sem.5th), Mr. Keshav (Sem. Ist) and Ms.Riya (Sem. Ist) were adjudged as Ist, 2nd and 3rd respectively and were awarded by the chief guests.

Dr. Ram Singh from BGSBU, Rajouri talked in detail about Vedic mathematics, Relation of Sanskrit with mathematics, Development and Applications of Vedic mathematics. He awared the students about the contributions of great mathematicians and scholars like Aryabhata, Pythagoras and Srinivas Ramanujan.
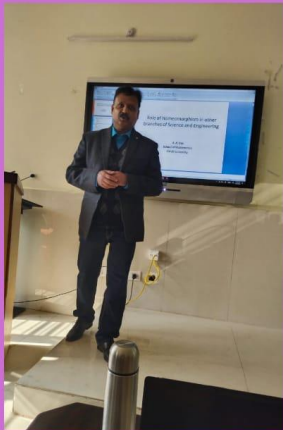
Day- 3 (Student seminar and Expert lecture on Homeomorphism)

On 24th December, a student seminar was organized in the department of mathematics. During the competition, 15 students participated in the seminar. Students shared their views on life history of Srinivas Ramanujan, Discovery of Zero by Aryabhata, Uses of mathematics in daily life, Importance of mathematics in other streams and various other topics of mathematics.

Prof. A.K Das (Associate Professor ,SMVDU Katra) and Dr. Aditi Sharma (Department of mathematics) acted as jury members.

 Ms. Shaveta (Sem.Ist),Mr. Keshav (Sem. Ist) and Ms. Riya (Sem. 3rd) adjudged as Ist, 2nd and 3rd respectively and were awarded by the chief guests. Three students namely Rohini , Priya and Vikas were given consolation prizes.

During his lecture as invited guest, Prof. A.K.Das from SMVDU Katra, spoke on the applications of homeomorphism and motivated the students to develop mathematical approach to understand the concepts.

Day- 4 (Poster making competition and Expert lecture on Sequence and Series)

On 29th December, poster making competition was organized in the department of Physics and Mathematics. During the competition, 25 students participated in the competition. Students presented posters on various topics of Physics and Mathematics.

Dr. Sumit Dubey (HOD Mathematics , GDC Kathua, (Boys)and Dr. Rajesh Sharma (HOD Mathematics, GDC, Hiranagar) acted as jury members during the competition.

Ms. Shweta (Sem.Ist)poster no. 25 adjudged as Ist, Ms. Nitikasharma (Sem.5th) poster no. 17 adjudged 2nd and Ms. Janvi (Sem.Ist) poster no. 20 secured 3rd position and were awarded by the chief guests. Three students namely Arti sharma ,Goshmasharma and Reena sharma were given consolation prizes.

In his invited talk, Dr. Sumit Dubey (HOD Mathematics, GDC Kathua, (Boys) delivered impressive lecture on Sequence and Series. He gave a detailed note on convergence series, divergence series, tests to check the convergence and divergence of the various types of series, limit point of sequence and series of various funtions.

Day- 5 (Quiz competition, guest lectures and valedictory function)

A quiz competition was held on 30th December,2022 in which variousteams consisting of two students participated . The quiz competition was efficiently conducted by Department of Physics.

Team - 9 consisting of two students Keshav sharma and Amit singh secured Ist position.

Team – 12 consisting of two students Vikas kumar and Raghav sharma secured 2nd position.

Team- 5 consisting of two students Shweta sharma and Priya sharma secured 3rd position.

Team -4 (Rohini and Sheetal), Team-7 (Nikita and Rama) and Team-8 (Nitika and Shivani) were given consolation prizes.

Dr. Anupama Gupta , Principal GDC Madienand Dr. Tirath Ram , Department of Mathematics , University of Jammu acted as Jury members during the competition.

Prof. Sourabshastri , Department of Computer science , Kathua campus, University of Jammu delivered a technical talk on computer programming and concept of various version of C++ languages. He also gave a detailed note on John Von Neumann method, uni and multi programming ,Homogenious data and Hetrogenious Data and latest Version of C++ and various languages.

Dr. Tirath Ram,Department of Mathematics, University of Jammudelieverd an invited talk on Differential Equations and its Applications. During his talk he discussed about various methods to solve Linear and Non- Linear differential equations.

Dr. Anupama Gupta , Principal GDC Madien also spoke on the Life history of Srinivas Ramanujan and his contributions in the field of Number Theory and other related areas of Mathematics.

In the end a Veledictory function was organized and prizes were distributed among the students who participated in various activities during the program.