

RAMANUJAN MATHEMATICS CLUB

Activities of the Club

Session 2017-22



Patron of the Club

Dr. Pargat Singh Garcha

Sponsor of the Club

Dr. Rachhpal Singh Gill

Dr. Ramandeep Kaur Sidhu

G.H.G. Khalsa College of Education, Guruser Sadhar, Ludhiana

RAMANUJAN MATHEMATICS CLUB CONSTITUTION

NAME OF THE CLUB

This club shall be named as RAMANUJAN CLUB

OBJECTIVES OF THE CLUB

The objectives of the club shall be

- Mathematics club helps in the proper utilization of leisure time.
- It helps in arousing and maintaining students' interest in mathematics.
- It helps the student to imbibe social qualities like co-operation, tolerance, adjustment and open-mindedness, as they work in groups.
- Mathematics clubs extend learning beyond the limits of the classroom.
- It provides the students with opportunities to develop their explorative, creative and inventive faculties.
- It provides opportunities for students to translate the theory into practice and to apply their learning in daily life situations.
- Mathematics clubs may meet during school hours; their activities may often extend to out of school hours at home in the laboratory, in the field etc.
- Club activities provide first hand experiences to the learners as they participate in model making, arranging for exhibition, field work, laboratory work and so on.

COMPOSITION OF THE CLUB

- Patron
- Sponsor
- President
- Vice-President
- Secretary
- Treasurer
- Librarian
- Publicity Incharge

ACTIVITIES OF THE CLUB

1. Arranging visits to places of Mathematics interest
2. Arranging declamations, debates and paper reading contents
3. Celebrating Mathematics days
4. Preparing Models, Charts etc.
5. Arranging extension lecture of reputed and learned personalities in the field of Mathematics
6. Organizing workshops
7. Preparing students for Inter-College, Inter-Zonal competitions
8. Arranging competitions of Mathematics like skill in Teaching, on the spot teaching aid preparation
9. Seminar on content portion in Teaching of Mathematics (weekly)

Session 2017-18

Patron	Dr. Sarbjit Kaur Ranu
Sponsor	Dr. Rachpal Singh Dr. Ramandeep Kaur Sidhu
President	Mandeep Kaur (02)
Vice President	Manparteet Singh (24)
Secretary	Bhupinder Kaur (16)
Treasurer	Supriya Agnihotri (25)
Librarian	Napinder Kaur (18) Rupinder Kaur (06)
Publicity Incharge	Kirandeep Kaur (01) Gurpreet Kaur (04) Navpreet Kaur (34)

Activities (Session 2017-18)

Panjab University Zonal Skill in Teaching and Teaching Aid Preparation Competitions- The students of Ramanujan Mathematics Club participated in PU Zonal Skill in Teaching and Teaching Aid Preparation Competitions held at Malwa Central College of Education, Ludhiana 6th February, 2018. Ms. Rachita Jain (217) participated in **On-the-Spot Teaching Aid Preparation Competitions** and got **Third position** in this category.

Subject Seminar- Subject seminars were conducted during the session 2017-18 in Semester II (Every Second Saturday) on the various topics of relevance of Class VI-X as per mentioned in the

syllabus. The mathematics club members, composed of students from the pedagogy subject of Mathematics, chose the Topics (Topics were divided among students), prepared and presented the content in simulation and submitted the supporting material in the form of assignment to the subject teacher.

Workshop on Teaching Aid Preparation- Workshop on teaching Aid preparation competition was conducted in the campus for B.Ed Semester III. All the pedagogy students were guided to prepare models and improvised apparatus relevant to their subject. It was made compulsory for every Science student (member) to participate in it. The preparation session continued for nearly a week in the month of January 2018, prior to the Zonal Inter Zonal Level Competitions.

Workshop on instructional objectives (Bloom's Taxonomy)-As per the requirement of professional competence of teachers, pupil teachers are to be given sufficient expertise and practice in framing instructional objectives in Pedagogy of Mathematics. A workshop was organized in the second week of November, to facilitate students with the skill of framing instructional objectives according to Bloom's Taxonomy and its revised form. The workshop on writing instructional objectives according to Bloom's Taxonomy continued again in the fourth week of November to give practice of writing the entry behaviour objectives using Mager's Approach.

Demonstration lessons by subject experts- One of the regular and imperative activities of the club to be conducted prior to sending Mathematics students for Internship is Demonstration Lesson by the teacher incharge. In 2017 -18, besides the subject teacher incharge, an alumnus of the college Mr Gurjit Singh, (who was a winner of Skill in Teaching Competition at Zonal as well as Interzonal Level) shared his expertise regarding teaching and gave a demonstration lesson to the mathematics students on Mathematical Modeling.

Session 2018-19

Patron	Dr. Sarbjit Kaur Ranu
Sponsor	Dr. Rachpal Singh Dr. Ramandeep Kaur Sidhu
President	Asha Khurana (234)
Vice President	Misha (242)
Secretary	Sakshi Sharma (237)
Treasurer	Richa Kalra (253)
Librarian	Amanjot (267) Amanjot Kaur (269)
Publicity Incharge	Opinder Kaur (276) Lakhwinder Kaur (289) Kajal (278)

Activities (Session 2018-19)

Organization of Zonal Skill in Teaching and Teaching Aid Preparation Competitions-The science club of the college coordinated with the organizing team of the college for PU Zonal Skill in Teaching and Teaching Aid Preparation Competitions in the smooth conduct of the event. The members of the club performed varied duties like setting classes for Skill in teaching, venue for Teaching Aid Preparation competition for various subjects-Science, Life Science, Economics, Mathematics, Commerce, collaborating with students of schools etc.

Skill in Teaching and Teaching Aid Preparation Competitions- The students of Ramanujan Mathematics Club in Panjab University Zonal Skill in Teaching and Teaching Aid Preparation Competitions in the subject Mathematics held at G.H.G Khalsa College of Education, Guruser sadhar 24 January, 2019. Ms. Mandeep Kaur (510) participated in **Skill in Teaching**

GHG Khalsa College of Education, Gurusar Sadhar, Ludhiana

Competitions and secured **Second place** in this category. Ms. Amritpal Kaur (516) participated in **On-the-Spot Teaching Aid Preparation Competitions** and secured **Second place** in this category.

Inter-Zonal on the Spot Teaching Aid Preparation Competitions- The Inter- zonal competition for Skill in Teaching and Teaching Aid Preparation Competitions held at Malwa Central College of Education, Ludhiana on February 2, 2019. Ms. Mandeep Kaur (510) participated in **Skill in Teaching Competitions**. Ms. Amritpal Kaur (516) participated in **On-the-Spot Teaching Aid Preparation Competitions**.



Regular Annual Feature:

- Workshop on instructional objectives (Bloom's Taxonomy)
- Workshop on Teaching Aid Preparation
- Subject Seminar by Pedagogy students on Content related to Class VI-X
- Demonstration Lesson by Experts Mr. Gurjit Singh, an alumnus of the college shared his expertise. He gave a demonstration lesson on the topic -Mathematical Modeling

Session 2019-20

Patron	Dr. Sarbjit Kaur Ranu
Sponsor	Dr. Rachpal Singh & Dr. Ramandeep Kaur Sidhu
President	Gurpreet Kaur (106)
Vice President	Jaskiran Kaur (135)
Secretary	Gourav Kumar (115)
Treasurer	Sukhdeep Kaur (151)
Librarian	Jasleen Kaur (110) & Supinder Singh (161)
Publicity Incharge	Gurpreet Singh (108), Jaswinder Kaur (142) Harmanpreet Singh (163)

Activities (Session 2019-20)

Panjab University Zonal Skill in Teaching and Teaching Aid Preparation Competitions - The college students participated in Panjab University Zonal Skill in Teaching and Teaching Aid Preparation Competitions held at Nankana Sahib College of Education, Kot Gangu Rai, Ludhiana, on February 10, 2020 respectively. Mr. Manpreet Singh Grewal (281) participated in **Skill in Teaching Competitions**. Ms. Prabhdeep Kaur (201) participated in **On-the-Spot Teaching Aid Preparation Competitions**.

Regular Annual Feature:

- Workshop on instructional objectives (Bloom's Taxonomy and Mager's Approach)
- Workshop on Teaching Aid Preparation
- Subject Seminar by Pedagogy students on Content related to Class VI-X
- Demonstration Lesson by Experts Mr. Jagdeep Singh, an alumnus of the college and currently Lecturer at GSSS, Basian shared his expertise. He gave a demonstration lesson on the topic -Mathematical Modeling

Session 2020-21

Patron	Dr. Pargat Singh Garcha
Sponsor	Dr. Rachpal Singh Dr. Ramandeep Kaur Sidhu
President	Arashpreet Kaur (202)
Vice President	Simranjot Kaur (214)
Secretary	Harkiran Kaur (243)
Treasurer	Arashdeep Kaur (215) Mansi (276)
Librarian	Nisha Rani (229) Labhpreet Kaur (262) Pratima Bhuyan (286)
Publicity Incharge	Jaspreet Kaur (203) Rajni (222) Inderpreet Kaur (267)

Activities (Session 2020-21)

Subject Seminar- Subject Seminar was conducted during the session 2020-21 through online for Semester II on the content as prescribed by the syllabus. Topics were divided among students, then students prepared their content as per assigned topics and presented in the class and submitted that supporting material in the form of assignment to the subject teacher. List of Student as per assigned topics are as below

Topic	Roll Number	YouTube Video Link
Number System	202, 295	https://youtu.be/D_MvzF6P7LQ
Polynomial	235	https://youtu.be/I0ApkKzVoDw
Equations	203, 286	https://youtu.be/6yth5H2pnfk

GHG Khalsa College of Education, Gurusar Sadhar, Ludhiana

Geometrical Concepts	211, 270	https://youtu.be/EqpYWzx_N7s
Types of Angles, Triangles & quadrilaterals	214, 272	https://youtu.be/zy2nDhNt0EM
Trigonometry	215, 261	https://youtu.be/4_n6Y_pAmTY
Mensuration	230, 236	https://youtu.be/Z-6gDtvAh4E

Demonstration Lesson by Dr. Ramandeep Kaur Sidhu, Assistant Professor, GHG Khalsa College of Education, Gurusar Sadhar, Ludhiana shared her expertise. She gave a demonstration lesson on the topic –Symmetry and YouTube link - <https://youtu.be/0KouFyYSLaU>



Important Links on College YouTube Channel

- <https://youtu.be/N-kLYcqIHWY>
- <https://youtu.be/fRb2p9hA6EE>
- <https://youtu.be/wdTVxTg3zi8>
- <https://youtu.be/6kP-LyXuU38>
- <https://youtu.be/4prUH0gLszg>
- <https://youtu.be/DmpDR2ReMWY>
- <https://youtu.be/xsBI06YIE2U>

Session 2021-22

Patron	Dr. Pargat Singh Garcha
Sponsor	Dr. Rachpal Singh Dr. Ramandeep Kaur Sidhu
President	Gagandeep Kaur (320)
Vice President	Kamaldeep Singh Kehal(355)
Secretary	Rubalpreet (304)
Treasurer	Ramanpreet Kaur (308)
Librarian	Amandeep Kaur (356) Pratibha Singh (302)
Publicity Incharge	Prabhjot Kaur (336) Varun Anand (321) Gurjinder Singh (323)

Activities (Session 2021-22)

Subject seminar- Subject Seminar was conducted during the session 2021-22 through online for Semester II on the content as prescribed by the syllabus. Topics were divided among students, then students prepared their content as per assigned topics and presented in the class and submitted that supporting material in the form of assignment to the subject teacher. List of Student as per assigned topics are as below

Topic	Roll Number	Topic	Roll Number
Number System	302, 320	Trigonometry	355, 380
Polynomial	323, 331	Probability	326, 304
Equations	327, 384	Sequence and series	332, 316
Geometrical Concepts	308, 336	Mensuration	311, 324
Types of Angles, Triangles and quadrilaterals			351, 373

GHG Khalsa College of Education, Gurusar Sadhar, Ludhiana

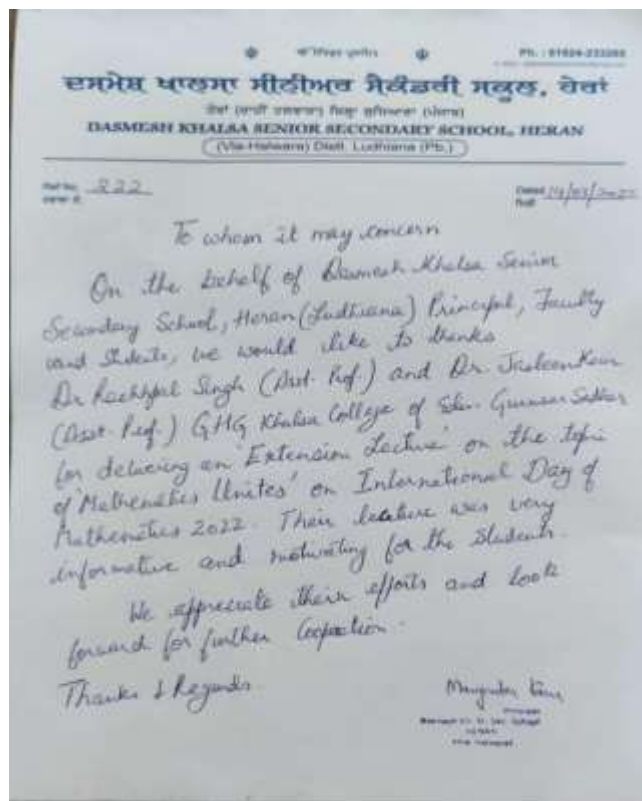
Mathematics Day Celebrations on Dated 29 Dec, 2021 -Ramanujan Club of the college commemorated National Mathematics Day on 29 December, 2021 to mark the birth anniversary of Srinivasa Ramanujan, the great mathematical genius who made exemplary contributions in the field of Mathematics. As a part of the celebration, a cultural programme, video making and e-poster making competitions were organized by the Club. Prof. Anjana Kumari, from Post Graduate Dept. of Mathematics, G.H.G. Khalsa College, Gurusar Sadhar was chief guest on the occasion. In the cultural programme, Simarjeet Kaur of B. Ed Semester I delivered a speech on the Life Sketch of Srinivasa Ramanujan while another student from B.Ed Semester I Ms. Amandeep Kaur expressed her views on the “Importance of Celebrating Mathematics Day”. Ramandeep Kaur through her speech discussed the “Relationship of Mathematics with other Subjects”. Gurjinder Singh from B.Ed. Semester I discussed the “Importance of Mathematics in Daily Life”. The students participated in the programme with great zeal and enthusiasm.





International Mathematics Day Celebration on Dated March 14, 2022 - International Mathematics Day or Pi Day was observed by Ramanujan Mathematics Club of the College by conducting an outreach activity where Dr. Rachhpal Singh and Dr. Jasleen Kaur delivered an extension lecture on the topic “Mathematics Unites” at Dashmesh Khalsa Sr. Sec. School, Heran.





Appreciation Letter
from
Dashmesh Khalsa Senior
Secondary school, Heran