

2-DAY MATH FEST-2025



(Celebration of National Day of Mathematics)
(December 22-23, 2025)



Organized by the
Department of Mathematics
University of Kashmir, Srinagar- J & K
in Collaboration with
J & K Science, Technology and Innovation Council

Detailed schedule of the Event Day-1 (22-12-2025)

SESSION-I	INAUGURAL SESSION
Date & Time	Programme Details
10:00-10:20 AM	Registration at Department of Mathematics, UOK
10:30-11.10 AM	<p>Venue: Biotechnology Auditorium (Proceedings by Ms. Sumaira)</p> <p>University Tarana</p> <p>.....</p> <p>Welcome Address:- Prof. M.A. Khanday (Convener) HOD, Mathematics, University of Kashmir</p> <p>.....</p> <p>Special Remarks (Special Guests):- Prof. M.H. Gulzar, Ex. HOD, Mathematics Prof. N.A. Rather, Ex. HOD, Mathematics Prof. B.A. Zargar, Ex. HOD, Mathematics Mr. Bilal Ahmad Bhat, Joint Director, JKSTIC</p> <p>.....</p> <p>Presidential Address:- Prof. Manzoor Ahmad Malik (Chief Guest) Dean, SPMS, University of Kashmir</p> <p>.....</p> <p>Vote of Thanks:- Prof. M.A. Mir (Co-Convener) Department Mathematics, University of Kashmir</p>
11.10-11.30AM	High Tea [Corridor of Biotechnology Department]
CELEBRATION OF NATIONAL DAY OF MATHEMATICS-2025	
Chairpersons: Prof. M.H. Gulzar, Prof. N.A. Rather, Prof. B.A. Zargar (In-charge: Dr. M.S. Lone)	
11:30--12.00 PM	<p>Objectives of conducting 2-Day Math-Fest-2025 with special emphasis on "Life History and Contributions of Srinivasa Ramanujan"</p> <p>Prof. M.A. Khanday HOD Mathematics, University of Kashmir, Srinagar.</p>
12:00 – 12:30 PM	<p>Invited Lecture on "Ramanujan and Raman: Our Role Models"</p> <p>Prof. P.G. Siddheshwar Department of Mathematics, Christ University, Bangalore Campus.</p>
12:30 – 1:00 PM	<p>Invited Lecture on "Discovering Mathematics around us"</p> <p>Prof. Subuhi Khan Professor Department of Mathematics, Aligarh Muslim University, Aligarh.</p>
1:00 – 2:00 PM	Lunch Break

SESSION-II		ALUMNI MEET	In-charge: Dr. M.S. Lone
02:00- 03:45 PM	Introductory Remarks-cum-Welcome to Alumni Prof. M.A. Khanday HOD Mathematics, University of Kashmir <i>Short Documentary on the achievements of Mathematics Department</i> Short speeches (Master's Students) 1. Mr. Farhan Khan 2. Ms. Sabreena Shafi 3. Mr. Suhaib Hayat [Funny poem] 4. Ms. Arbeena Jan 5. Mr. Tawqeer 6. Ms. Iqra Gul and others Alumni Interaction and Feedback Session (Speeches by Alumni)		
03:45—04:00 PM	Felicitation of Notable Alumni		
04:00—04:20 PM	Tea with Snacks		
End of Day-1			

Day-2 (23-12-2025)

SESSION-III	INTERACTION WITH SCHOOL STUDENTS [List is appended below]	
Time	Programme Details (Participants will be school students)	
10:10–10:30 AM	Reception of Students	
10:30-10:50) AM	Introductory Remarks and welcome address by the Organizing Team	
10:50-11:30 AM	Invited Lecture on “ Thinking outside the 4-Dimensional Box” Prof. Fozia S. Qazi, Former HOD, IUST, Awantipora	
11:30—11:45 AM	Tea with Snacks	
11:45-12:30 PM	Mathematics and its role in our Life: Prof. M.A. Khanday Division Algorithm and some basic Mathematical Inequalities: Prof. M.A. Mir	
12:30--12:45 PM	Medal Distribution to School Students	

RESEARCH SCHOLAR'S SESSION		Venue: Seminar Hall of the Department of Mathematics
02:00-02:30 PM	Invited Lecture on Ramanujan's Mock Theta Functions Prof. Renu Jain, Ex-Vice Chancellor, DAVV, Indore	
02:30—04:00 PM	Presentations by Research Scholars First 8 presentations in Seminar Hall	Presentations by Research Scholars Remaining presentations in Lecture Hall-III
	[List of scholars appended below]	
04:00—04:15 PM	Valedictory Session	
04.15-4.30 PM	Tea Break	
End of Day-2		

List of selected papers submitted by Research Scholars

Name	Affiliation	Title of the paper
Shahadat Ali	University of Kashmir, South Campus	Artificial Neural Network Using Beta Function with and without Singularities as Activation Functions: Design, Implementation, Analysis.
Arif Farooq Mir	University of Kashmir	On the lineability of non-measurable riemann integrable functions
Hilal Ahmad Laway	University of Kashmir South Campus Anantnag	Inequality for Rational Functions with given poles and Restricted Zeros
Peer Abdul Manan.	National Institute of Technology Srinagar.	Bounds for the trace norm of $A\alpha$ matrix of digraphs
Aijaz Ahmad Dar	National Institute of Technology Srinagar	A Novel Biquaternion Approach to the Linear Canonical Wavelet Transform
Hilal Ahmad Dar	University of Kashmir, South Campus	Inequalities for complex polynomials involving B_n - operators
Musadiq Shaheen	University of Kashmir, Srinagar	Quaternion quadratic phase Hilbert transform:
Yasir Bashir	Islamic University of science and technology	On Graphs with Four distinct Laplacian ABC Eigenvalues
Heena Saini	University of Kashmir , South Campus	LCT for Boostlet transformation
Jasifa Fayaz	NIT Srinagar	Continuous Boostlet Transform for Sparse Acoustic Signal Analysis
Aamir Ayoub Mir	NIT Srinagar J & K	An innovative filtering design methodology based on LCEWT.
Ulfat Bashir in	University of Kashmir	Linear canonical Wigner Equation of motion for classical system
Amir Nazir	South Campus University of kashmir	Iterated Bernstein-type L_p Inequalities for Polynomials
SADAQAT HUSSAIN	NIT SRINAGAR	Perimeter of an ellipse: an introduction to the formula for perimeter of an ellipse is provided through a series of approximation. Preference has been given to Ramanujan's approximation over others by making a point in its significance.
Saqib Mushtaq	Kashmir University	On the spectra and energy of the $A\alpha$ matrix of digraphs
Sumaira Anjum	Department of Mathematics	Mathematical model for diabetes progression using Non standard finite difference

List of School Student participants

S. No.	NAME OF THE STUDENT	AFFILIATION
1	MOHAMMAD ANEES SHEIKH	GLOBAL LEARNING ACADEMY
2	MOHAMMED NASEEM BHAT	PARENTS
3	HADIYA SHABIR WANI	STUDENT CLASS 10 TH
4	SYED ALI ABBAS HAMDANI	STUDENT
5	ZUBAIR SHABIR	HSS HAWAL
6	FAISAL JAVEED	HSS HAWAL
7	ZARNAIN AEJAZ	BILAL HASSAN BHAT
8	ARBEENA BILAL	BILAL HASSAN BHAT
9	SHAH ABDULLAH HAMMAAD AND REYAZ AHMAD SHAH	SON/ FATHER
10	MOHAMMAD NUMAN	JK BOSE
11	HETAL RAZDAN	JKBOSE
12	MUHAMMAD RAYYAN MIR	IMI BOYS BEMINA SRINAGAR
13	SK KHAYRUL ALAM	STUDENT
14	ARSHIQ	SCHOOL
15	MOHAMMAD EESAAR KOUL	SCHOOL STUDENT
16	SOFI MOHAMMAD HUZAIFA BIN AJAZ	RP SCHOOL ALAMDAR COLONY LALBAZAR
17	MOHAMMAD ZAIN	SCHOOL
18	MUHAMMAD AYAAN	R.P SCHOOL
19	SAYEB	LINTON HALL SCHOOL
20	MOHAMMAD AATIR RATHER	RP SCHOOL ALMDAR COLONY LAL BAZAR
21	MOHAMMAD DAWOOD BHAT	R P SCHOOL, ALC, (JKBOSE)
22	MIR AMIRI HAMZA	R.P SCHOOL
23	AAHIL AHMAD MIR	RADIANT PUBLIC SCHOOL
24	SEHRAN AFAQ	RP SCHOOL LAL BAZAR SRINAGAR
25	FAATIQ AHMED WANI	TO LEARN ABOUT MATHS
26	HARIS BIN IQBAL	R P SCHOOL ALAMDAR COLONY
27	QABEEL AHMAD	R P SCHOOL ALAMDAR COLONY
28	DHUHA IQBAL	R P SCHOOL NAGBAL
29	M.ADEEB SHAH	R.P SCHOOL
30	AMMAAR HANIF	R.P SCHOOL
31	ATHAR	R.P SCHOOL LALBAZAR
32	AHRAR ALTAF	R P SCHOOL ALAMDAR
33	AHRAR	R P SCHOOL ALAMDAR
34	AYAAN ARSHID	R. P. SCHOOL
35	MUJTABA REYAZ	RP SCHOOL LALBAZAR BOYS
36	MOHAMMAD IBRAHIM	RADIANT PUBLIC SCHOOL, LAL BAZAR
37	ZEHRAN DAR	R.P SCHOOL ALAMDAR COLONY
38	ZEHRAN DAR	R.P SCHOOL ALAMDAR COLONY
39	MOHAMMAD HAZIQ BHAT	RP SCHOOL ALAMDAR COLONY
40	MUHAMMAD HASIN BEIGH	RP SCHOOL BOYS ALAMDAR COLONY
41	HAMMAAD FIRDOUS	STUDENT
42	JUMAIL MUSTAFA	JK BOSE
43	MOHSIN SHABIR	MATHEMATICS
44	HABEEL PARVEEZ	RP SCHOOL
45	HUZAIFA BIN AJAZ	R.P SCHOOL LAL BAZAR SRINAGAR
46	MUHAMMAD WEHDAN	R.P SCHOOL ALMADAR COLONY
47	MEERAN FAYAZ	OKY
48	RAYAN SHAH	R.P.SCHOOL ALAMDAR COLONY
49	ZUHAIB	BURN HALL
50	ABDUL HAMDAN SHEIKH	RP SCHOOL ALAMDAR COLONY
51	SAIFULLAH BEIGH	STUDENT

52	MOHAMMAD ISHAQ	RP SCHOOL
53	AHRAR	R P SCHOOL ALAMDAR
54	SUWAIDA	CRESCENT PUBLIC SCHOOL
55	AHMAD BIN MEHRAJ	CRECENT PUBLIC SCHOOL SRINAGAR
56	SUWAIDA MUZZAMIL	CREASENT PUBLIC SCHOOL
57	MUDDABIR HIAL BHAT	STUDENT
58	WAFI ZEHRA	GREEN VALLEY EDUCATIONAL INSTITUTE
59	HADIQA QURESHI	GREEN VALLEY EDUCATIONAL INSTITUTE
60	AYESHA BILAL	GREEN VALLEY EDUCATIONAL INSTITUTE
61	RABIYA	GREEN VALLEY EDUCATIONAL INSTITUTE
62	FATIMA JAMEEL	GREEN VALLEY EDUCATIONAL INSTITUTE
63	AREEBA	GREEN VALLEY EDUCATIONAL INSTITUTE
64	JANNAT	GREEN VALLEY EDUCATIONAL INSTITUTE
65	HADIYA	GREEN VALLEY EDUCATIONAL INSTITUTE
66	IFFAT NAZIR	GREEN VALLEY EDUCATIONAL INSTITUTE
67	SAROOSH	GREEN VALLEY EDUCATIONAL INSTITUTE
68	ZENAB	GREEN VALLEY EDUCATIONAL INSTITUTE
69	SIBGAH	GREEN VALLEY EDUCATIONAL INSTITUTE
70	SARA	GREEN VALLEY EDUCATIONAL INSTITUTE
71	BIAYINA BILAL	GREEN VALLEY EDUCATIONAL INSTITUTE
72	ALEENAH YEHYA	GREEN VALLEY EDUCATIONAL INSTITUTE
73	AREEBA RIYAZ	GREEN VALLEY EDUCATIONAL INSTITUTE
74	AMINAH	GREEN VALLEY EDUCATIONAL INSTITUTE
75	ABU HUZAIF	GREEN VALLEY EDUCATIONAL INSTITUTE
76	ERINA	GREEN VALLEY EDUCATIONAL INSTITUTE
77	AAMINA HAMID	GREEN VALLEY EDUCATIONAL INSTITUTE
78	AABROU ZEHRA	GREEN VALLEY EDUCATIONAL INSTITUTE
79	UBAIDULLAH	GREEN VALLEY EDUCATIONAL INSTITUTE
80	AYESHA IMRAN	GREEN VALLEY EDUCATIONAL INSTITUTE
81	ZEHRA FIRDOUS	GREEN VALLEY EDUCATIONAL INSTITUTE
82	AZEEMA	GREEN VALLEY EDUCATIONAL INSTITUTE
83	ANUM AJAZ QURESHI	GREEN VALLEY EDUCATIONAL INSTITUTE
84	SHAH NOORAIN	FOUNDATION WORLD SCHOOL
85	AYAANA QURESHI	CRECENT PUBLIC SCHOOL
86	GAZALA FAROOQ	CRESCENT PUBLIC SCHOOL
87	SOLIHA ARSHID SHAH	CRESCENT PUBLIC SCHOOL
88	FARHAAN JAVAID	CRESCENT PUBLIC SCHOOL
89	MUQADUS MANZOOR	PRESENTATION CONVENT SCHOOL
90	ATHAR MIR	CRESCENT PUBLIC SCHOOL
91	FATIMA	CRESCENT PUBLIC SCHOOL
92	MUMIN AH DAR	CRECENT PUBLIC SCHOOL
93	MUMIN AH DAR	CRESCENT PUBLIC SCHOOL
94	ZAINAB NASEER	CRESCENT PUBLIC SCHOOL
95	ZAINAB NASEER NAMAK	CRESCENT PUBLIC SCHOOL
96	SHEIKH USMAN BILAL	CRESCENT PUBLIC SCHOOL
97	SHEIKH USMAN BILAL	CRESCENT PUBLIC SCHOOL
98	SYED AANIQ	BURN HALL
99	BAZIM ARA	CRESCENT PUBLIC SCHOOL
100	AHSAAN	CRESCENT PUBLIC SCHOOL
101	HYDER IMTIYAZ	R.P SCHOOL LALBAZAR
102	SAMAAHAR	INDEPENDENT
103	SYEDA RABAB JAFFERY	KASHMIR HARVARD
104	ZIKRA RAFIQI	KASHMIR HARVARD
105	MARIYA IMTIYAZ	KASHMIR HARVARD
106	AAYAT LATEEF	KASHMIR HARVARD
107	BAHA UVAIS	KASHMIR HARVARD

108	HAKIM AHYA	KASHMIR HARVARD
109	ARWA ZAHOR.	KASHMIR HARVARD
110	AHMAD	STATE BOARD
111	UMAAN BABA	FROM RP SCHOOL
112	MOHAMMAD MUSAIB GUPKARI	R.P SCHOOL
113	AUROOBA KHAN	KASHMIR HARVARD
114	KUBRA KOUL	KASHMIR HARVARD
115	AYRA KOUL	KASHMIR HARVARD
116	ANUSHA ALTAF	KASHMIR HARVARD
117	MEHVEEN MEHRAJ	KASHMIR HARVARD
118	AAYAN BURHAN	KASHMIR HARVARD
119	AYSHA BASHIR	KASHMIR HARVARD
120	SUZAIN BASHIR	KASHMIR HARVARD
121	RABEEHA ISRAR SHAHRI	ISRAR SHAHRI
122	FATIMA MUZAFFAR	MUZAFFAR AHMED MIR
123	AABIRAH ISRAR	KASHMIR HARVARD EDU INSTITUTE
124	RABEEHA ISRAR SHAHRI	KASHMIR HARVARD EDU INSTITUTE
125	ATIYA	KASHMIR HARVARD
126	TOIBA FAROOQ	KASHMIR HARVARD
127	MISBAH SHOWKAT BHAT	STUDENT
128	ZUNAIN ASHIQ	KASHMIR HARVARD
129	ZIKRA ASHIQ	STUDENT OF GRADE 10TH LILY
130	SEERAT SHABIR	KASHMIR HARVARD
131	ZIKRA ASHIQ	STUDENT OF GRADE 10TH LILY
132	ZARA FEROZ	KASHMIR HARVARD
133	WAAREENAH	KASHMIR HARVARD
134	BAROOJ BEIGH	STUDENT, KASHMIR HARVARD
135	AINAIN HILAL	SCHOOL
136	FATIMA MUZAFFAR	KASHMIR HARVARD
137	MUYEEN SHOWKAT	KASHMIR HARVARD
138	SADIYA IMTIYAZ	KASHMIR HARVARD
139	MOHAMMED FURQAN DAR	KASHMIR HARVARD
140	AARASH GOWHAR	KASHMIR HARVARD STUDENT
141	ZAINAB TARIQ	KASHMIR HARVARD
142	MALIHA MUKHTAR SHAH	KASHMIR HARVARD
143	AYSHA BASHIR	KASHMIR HARVARD
144	MUNTAZIR HUSSAIN	CRESCENT PUBLIC SCHOOL
145	HAZIQA BINTI JAVAID	CRESCENT PUBLIC SCHOOL
146	HASIN	RP SCHOOL
147	MALIK FAHAD	STUDENT
148	MOHAMMAD SAAD BIN BASHARAT	KASHMIR HARVARD
149	ZAKARIYA NISAR	CRESCENT PUBLIC SCHOOL
150	BAREEN FAYAZ	KASHMIR HARVARD
151	MOHAMMAD BASIM ALI	TYNDALE BISCOE SCHOOL
152	ABDUL MATEEN BUCHH	R.P SCHOOL ALAMDAR COLONY