

LOYOLA COLLEGE, CHENNAI-600034



DEPARTMENT OF MATHEMATICS (SHIFT-II)

**ANNUAL REPORT
(2021-2022)**

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DEPARTMENT OF MATHEMATICS (SHIFT-II)

Department of Mathematics (Shift-II) in the academic year 2021-2022 organized various programs and events to the faculty members and the students for the growth of the department. The academic year began on 6th August 2021 through online mode for the senior students due to COVID-19 pandemic. The department organized various programmes and conducted various activities in the academic year 2021-2022 for the students in order to strengthen their skills.

The Students Induction Programme (SIP) for the FIRST year students was given online through a sequence of sessions for 10 days from 6th September 2021 to 18th September 2021. Students were motivated and encouraged to study mathematics well by understanding its fundamentals. The students actively participated in it.

Faculty members

1. Dr. J. Janet Sheeba
2. Dr. T. Bharathi
3. Dr. S. Iruthaya Raj
4. Mr. F. R. Emmanuel
5. Mr. A. Christopher
6. Mr. D. Kumanan
7. Dr. J. Geno Kadwin
8. Dr. S. Ruth Julie Kavitha
9. Dr. S. Maria Jesu Raja

Responsibilities in the department

- Coordinator of the department
- Class faculty
- President of Loyola Mathematics Association & IQAC extended member
- Innovation mentor of the department & LOCF mentor of the Department
- Staff in-charge for placement cell
- Staff in-charge for sports activities & IQAC extended member
- ERP in-charge
- Staff in-charge for library
- Staff in-charge for remedial classes

Class representatives

The following students selected by the respective class faculty members served as the class representatives for the academic year (2021-2022).

<u>Class</u>	<u>Class faculty</u>	<u>Class representative</u>	
I A	Mr. F. R. Emmanuel	21-UMT-216	DHANUSH S T
I B	Dr. S. Iruthaya Raj	21-UMT-324	HEMAKKUMAR P
II A	Dr. S. Maria Jesu Raja	20-UMT-225	HARISH J
II B	Dr. T. Bharathi	20-UMT-315	JAGANNATHAN P
III A	Dr. J. Geno Kadwin	19-UMT-231	AAKASH E
III B	Mr. D. Kumanan	19-UMT-327	GANESH M
III C	Mr. A. Christopher	19-UMT-405	NEMUNI S

FACULTY MEMBERS



Dr. J. Janet Sheeba



Dr. T. Bharathi



Dr. S. Iruthaya Raj



Prof. F. R. Emmanuel



Prof. A. Christopher



Prof. D. Kumanan



Dr. J. Geno Kadwin



Dr. S. Ruth Julie Kavitha



Dr. S. Maria Jesu Raja

DEPARTMENT OF MATHEMATICS (SHIFT-II)

B. SC. MATHEMATICS – THIRD YEAR – SECTION A (2019-2022 BATCH)

SL. NO.	DEPT. NO.	NAME OF THE STUDENT	MOBILE NO.
1	19-UMT-203	PRANAV S	6382927122
2	19-UMT-204	ANURAG SHUKLA	8178968066
3	19-UMT-207	SANJAY P	9940366633
4	19-UMT-208	SHYAM T	9361607079
5	19-UMT-211	DHILIPAN E	9150291136
6	19-UMT-215	VINCENT THANGARAJ J	8925646420
7	19-UMT-216	VASANTH N	8825911994
8	19-UMT-218	GOHUL RAM R	7548864339
9	19-UMT-219	ABINESH A	9786763865
10	19-UMT-220	MOSES IMMANUEL S	9840843686
11	19-UMT-222	BHUVANESH R	7358239535
12	19-UMT-224	ABINESHKUMAR D	6379538380
13	19-UMT-225	GADHADARAN K	9944582236
14	19-UMT-226	MOOVENDHAN B	9360503057
15	19-UMT-227	JOTHEESWARAN R	7667174779
16	19-UMT-228	KISHORE S	8681044939
17	19-UMT-230	GORTHI VISHAL	7306668721
18	19-UMT-231	AAKASH E	9487215740
19	19-UMT-233	KOTHANDARAMAN T	9944207857
20	19-UMT-234	NAVIN N	9442712393
21	19-UMT-235	SIMPSON J	6369200250
22	19-UMT-236	SHARAD GURU MISHRA	7871894184
23	19-UMT-237	SATHISH R	8248007169
24	19-UMT-238	DINESH Y	7401065545
25	19-UMT-239	BRINIL JOHN J	9444809304
26	19-UMT-240	SHESHATHRI K	8925698922
27	19-UMT-241	PRADEEP KUMAR V	8668180818
28	19-UMT-242	MOHAMED YACOOF HUSSAIN A	9786212080
29	19-UMT-244	LINGESH M	7338714629
30	19-UMT-245	AROCKIA ANTONY JEBASINTH A	9566913378
31	19-UMT-246	CHRIS ANTONY J	7904853055
32	19-UMT-247	ANISH A	9566016988
33	19-UMT-249	RAGHUL P	7373978386
34	19-UMT-252	ABINASH S	9361381046
35	19-UMT-253	MARSHAL SARGUNARAJ D	8754532099
36	19-UMT-254	BHARATH KUMAR R	9360389511
37	19-UMT-255	AJMAL NIZAR A	9385899547
38	19-UMT-256	RAMAKRISHNAN R	9962235864
39	19-UMT-259	HARISH G D	8838562690
40	19-UMT-260	THARUNKUMAR P	9994160277
41	19-UMT-261	HARISH KUMAR P B	9123583539
42	19-UMT-262	SANTHOSH KUMAR J	7358610626
43	19-UMT-265	ABISHEK M	7397049679
44	19-UMT-267	SAKTHI HARIHARA PRABHU S	7904980440
45	19-UMT-274	VINESH VENKATRAMAN V	9791113031

DEPARTMENT OF MATHEMATICS (SHIFT-II)**B. SC. MATHEMATICS – THIRD YEAR – SECTION B****(2019-2022 BATCH)**

SL. NO.	DEPT. NO.	NAME OF THE STUDENT	MOBILE NO.
1	19-UMT-301	SAHIL JOSHUA C J	9080578732
2	19-UMT-304	MUDITH D	7470200100
3	19-UMT-306	PRADEEP S	8056898742
4	19-UMT-307	THATHES ROHINTH R	7358871554
5	19-UMT-308	MOHAMED IMTHIYAS A	9551484569
6	19-UMT-309	ARTHEESWARAN S	9791948921
7	19-UMT-310	MUBEENKHAN N	8056304079
8	19-UMT-311	RAJMOHAN B	9360885491
9	19-UMT-312	SANTHOSH A	9360499965
10	19-UMT-313	RAJSHANKAR M	8420767847
11	19-UMT-314	USHIJ CHATTERJEE	8334058658
12	19-UMT-315	JEEVANANTHAM R	9940385897
13	19-UMT-316	AKHIL R	9791268741
14	19-UMT-317	RAGHUL KUMAR R N	6382778911
15	19-UMT-318	MOHAMMED ASHIQ A	8939289565
16	19-UMT-319	CHARAN K	6383002264
17	19-UMT-321	KALAIKKOVAN G	9940952058
18	19-UMT-326	MOHANRAM P	9176824861
19	19-UMT-327	GANESH M	9384991680
20	19-UMT-328	MINISH M	7339575980
21	19-UMT-331	DHWARAKHESH R	9994857109
22	19-UMT-332	SASIKIRAN D	8668142204
23	19-UMT-333	ANTONY JOSEPH MAXIAN M	6374273984
24	19-UMT-334	SAKET KUMAR GOPALUNI	7288802888
25	19-UMT-335	SURYA R	8667656501
26	19-UMT-336	DINESHKUMAR S V	9344112878
27	19-UMT-339	SRI BHARATH N	7299423425
28	19-UMT-342	PRASANNA FRANCH A	7538858323
29	19-UMT-343	RAGUL D	9841354920
30	19-UMT-345	JAISON M	7358753601
31	19-UMT-348	PRANAV P	8848079538
32	19-UMT-349	LATHISH BALAJI B	9790949023
33	19-UMT-350	ISAIYAS A	9003569067
34	19-UMT-351	VISHALKIRAN S P	9841137041
35	19-UMT-352	GOWTHAM E	8939516132
36	19-UMT-354	BALA YOGI A	9840992837
37	19-UMT-355	SIVAVARMA S	8925316765
38	19-UMT-356	JOHN LIEN R	9942617728
39	19-UMT-357	ABISHEK M	9500247848
40	19-UMT-358	AROCKIYAJOHAN BRITTO A	7904413215
41	19-UMT-360	ADITYA CHHETRI	9158972237
42	19-UMT-361	VENKATESH M	9094904252
43	19-UMT-362	INIYAN K	7598547750
44	19-UMT-363	SUDHARSAN S	6379516482
45	19-UMT-365	K. ASLAMPARVES	9566941434
46	19-UMT-366	PRAVEEN S	8754135910
47	19-UMT-367	LOGHETH M	7448310087
48	19-UMT-368	SAMUEL GLADSON S	9677094423
49	19-UMT-369	SURENDHARA RAAJ K	8838849378
50	19-UMT-370	VEERAPANDI M	9344754504

DEPARTMENT OF MATHEMATICS (SHIFT-II)**B. SC. MATHEMATICS – THIRD YEAR – SECTION C****(2019-2022 BATCH)**

SL. NO.	DEPT. NO.	NAME OF THE STUDENT	MOBILE NO.
1	19-UMT-402	THOMSON RAJA I	9150188377
2	19-UMT-403	DHANUSH A	7010775140
3	19-UMT-405	NEMUNI S	8940373442
4	19-UMT-406	ARUN A	9962836070
5	19-UMT-407	NOEL THOMAS VALLAVANTHARA	9188465833
6	19-UMT-411	SHIVANESH A K	6383111832
7	19-UMT-412	DANIEL JOHNSON L	9344115716
8	19-UMT-413	SARVA BALAJI S	9361280924
9	19-UMT-415	KARTHIKEYAN S	8248869139
10	19-UMT-416	AMRIT G SAMTANI	9080478265
11	19-UMT-417	MAIMOULISS S V	6369025259
12	19-UMT-418	HARIKARTHICK P	9597098418
13	19-UMT-420	MUKIL NILAVAN S S	8883653658
14	19-UMT-421	MUHIL GOPAL	9994344689
15	19-UMT-422	HARI PRASATH S	8825779939
16	19-UMT-424	HARIHARAN P	8939226474
17	19-UMT-425	ARUN RAJ V	7338712148
18	19-UMT-426	BENIL SHALOM J	9952991232
19	19-UMT-429	AAKASH M A	9443718360
20	19-UMT-430	JOHN ANTONY BRISHTLIN S	8300153486
21	19-UMT-431	DINESH M	9360868527
22	19-UMT-433	SANKAR GOBIKRISHNA D J	6369392232
23	19-UMT-435	MOHAINUTHEEN S	9490398304
24	19-UMT-436	HARISH KUMAR S	8838899431
25	19-UMT-441	KATHIRAVAN B	9626010966
26	19-UMT-443	IRUDHAYA NISHAL S	9360236923
27	19-UMT-447	LEONARDO DA VINCI V	7010459751
28	19-UMT-449	HARISH E	9360138838
29	19-UMT-456	ALLEN ROHITH F	7395976076
30	19-UMT-457	SIJU K C	9940376776
31	19-UMT-458	ARAVINDHAN R	6379755585
32	19-UMT-460	JENOPPAUL P C	8925083416
33	19-UMT-461	BALA KUMARAN M	8925355393
34	19-UMT-462	RUBAN L	9790316224
35	19-UMT-463	GUGHANEISHVAR P	9360629556
36	19-UMT-466	PRATHAP B	9600109216
37	19-UMT-467	ABISHEK S	9940423286
38	19-UMT-469	YASWANTH V	9791573858
39	19-UMT-470	YOGESHWARAN P	7397041626
40	19-UMT-471	SANJAY KISHORE S	9884256111
41	19-UMT-472	THANGAM S	8925296517
42	19-UMT-473	PRAVEEN KUMAR T	9360106647
43	19-UMT-474	HARISH KUMAR P M	9790883568

DEPARTMENT OF MATHEMATICS (SHIFT-II)**B. SC. MATHEMATICS – SECOND YEAR – SECTION A****(2020-2023 BATCH)**

SL. NO.	DEPT. NO.	NAME OF THE STUDENT	MOBILE NO.
1	20-UMT-201	RONALDIN ARAVIND J	6379607238
2	20-UMT-202	SAHIL A	9952944644
3	20-UMT-204	ALYN BIJU SAHARIYA S	9840623163
4	20-UMT-205	OM PRAKASH S	8838994415
5	20-UMT-206	NOVASHERWIN J	7397651010
6	20-UMT-207	SAHAYA JEON RONALDO S	8508472993
7	20-UMT-209	JERIN BOSE	8700031519
8	20-UMT-210	JOEL VIRGIN D	9345635133
9	20-UMT-212	ANIRBAN SEN	9444826806
10	20-UMT-213	SIBIVENDHAN K	8248214218
11	20-UMT-214	VIDHYADHAR S ADASUL	7353789448
12	20-UMT-215	PRAMATH SUBRAMANIAN	9176266705
13	20-UMT-216	ARAVINTH S	8903850670
14	20-UMT-218	BOGA NANDA KISHORE	6360981598
15	20-UMT-219	RAGHAVAN B	8754513731
16	20-UMT-220	SHAKTHI VEL R	9360119939
17	20-UMT-221	MADHAVAN S	6374650334
18	20-UMT-222	CHAITANYA SOMANI	6203796780
19	20-UMT-223	CLARIDON KENNET B	8610106798
20	20-UMT-225	HARISH J	8056770773
21	20-UMT-226	DHANUSH D	9840814216
22	20-UMT-227	VIVILIA VASAN V	8056181240
23	20-UMT-228	KAILASH R	9841063035
24	20-UMT-230	BALAJI N	9585302817
25	20-UMT-232	CHINNADURAI M	9444462709
26	20-UMT-233	GOPINATH S	9894703579
27	20-UMT-235	SESHAN AVINAS D L	9444251802
28	20-UMT-236	SREE VETRIVEL S	7539970148
29	20-UMT-237	PRABHU K	9150257277
30	20-UMT-238	PREM SAI D	9176360194
31	20-UMT-239	VIGNESHKRISHNA S	9677283041
32	20-UMT-240	DHILIP S	7094752518
33	20-UMT-241	VIGNESH K	7639869383
34	20-UMT-242	SAMUEL AARON R	9841108382
35	20-UMT-243	JORDAN ANDREWS EBANAZER J	9941361406
36	20-UMT-244	AGILAN A	7603835358
37	20-UMT-245	JOHN ALEXANDER J	9551552652
38	20-UMT-246	PERUMAL V	6380949752
39	20-UMT-247	GOVARDHAN S	6379297219
40	20-UMT-248	VISHAL P	8925463132

DEPARTMENT OF MATHEMATICS (SHIFT-II)

B. SC. MATHEMATICS – SECOND YEAR – SECTION B

(2020-2023 BATCH)

SL. NO.	DEPT. NO.	NAME OF THE STUDENT	MOBILE NO.
1	20-UMT-302	SYED SHAHID ALI S	8939086836
2	20-UMT-304	ANTO JOVIN T	9791601375
3	20-UMT-306	GANESH E	9908741110
4	20-UMT-307	SAM JOEL F	9710353881
5	20-UMT-308	GOVINDAVASAN P	7338954072
6	20-UMT-310	SOURAV KONDASSERY RAJEEV	8156969081
7	20-UMT-311	BAIPUREDDI LOKESWARA SURYA TEJA	9182000610
8	20-UMT-312	KARTHIK P NATH	9946557477
9	20-UMT-313	PUGAZHENTHI R S	8072534330
10	20-UMT-314	SANJAY J	7603964387
11	20-UMT-315	JAGANNATHAN P	9487222884
12	20-UMT-316	ABISHEK K	9791190474
13	20-UMT-319	HARIHARAN P	9994308532
14	20-UMT-320	CHANDRASHEKAR IYER S	6358751007
15	20-UMT-321	NAVEEN SIVAKUMAR G J	9677744294
16	20-UMT-322	AKASH ANIL KUMAR	9581259819
17	20-UMT-323	ISSAC SURYA G	7358543183
18	20-UMT-325	SANJAY M	9042723189
19	20-UMT-326	SAM THANGARAJ LAWRENCE S	7824035940
20	20-UMT-330	ARCHISMAN PANDA	7044095741
21	20-UMT-332	ABISHEK T	9994873783
22	20-UMT-334	MICHAEL I DHURAIRAJ	9677233711
23	20-UMT-335	BARATH R	9962256944
24	20-UMT-336	VIJAYA SANKAR V	9445638624
25	20-UMT-337	ELAVARASAN M	9786071733
26	20-UMT-338	GOWSHIK E	8939516132
27	20-UMT-339	SHRUTHI K	6374180371
28	20-UMT-340	DHANUSH V J	9843212905
29	20-UMT-341	GLEN	9665062515
30	20-UMT-342	THARUN BALAJI K	8925020177
31	20-UMT-343	ABISHEK ROSHAN J	9884301647
32	20-UMT-344	RAHUL P	9788882875
33	20-UMT-345	FRANKLIN JESUDOSS L	8973334535
34	20-UMT-346	MONISHWAR S	8300120819
35	20-UMT-347	KEERTHIVARMAN S	9025084692

DEPARTMENT OF MATHEMATICS (SHIFT-II)
B. SC. MATHEMATICS – FIRST YEAR (2021-2024 BATCH)

SL. NO.	DEPT. NO.	NAME OF THE STUDENT	MOBILE NO.
1	21-UMT-202	D ANDREW IGNATIUS SAMUEL	9567451296
2	21-UMT-203	ABHINAV M	8667704550
3	21-UMT-207	KISHORE KUMAR M V	9361962656
4	21-UMT-210	SARAVANAN P	9677183911
5	21-UMT-214	SHANE RONALDO N	8973567501
6	21-UMT-216	DHANUSH S T	9865782503
7	21-UMT-217	NATHEESH SELVA K	9443372740
8	21-UMT-218	AJIBALA B	6382085823
9	21-UMT-221	ARJUN V S	9092649149
10	21-UMT-222	PRANAV ROY	8086503814
11	21-UMT-224	PIRAVIN B	9176911828
12	21-UMT-225	KALANITHI D	9952175922
13	21-UMT-227	S. M. KIRAN GURUV	9092532553
14	21-UMT-228	CHANDRU K	9361039770
15	21-UMT-229	YOGESWARAN R	8300076098
16	21-UMT-234	AGILAN G V	7358573203
17	21-UMT-235	DINESH. R	9884165830
18	21-UMT-236	SANGEETH NARAYANAN M S	9677241381
19	21-UMT-237	BHARATH I	9952901208
20	21-UMT-238	CHARLUS A	9840115122
21	21-UMT-240	LOITONGBAM THOUNGAMBA MEITEI	9362665550
22	21-UMT-241	NIRMAL RAJ M	9150289598
23	21-UMT-243	MUTHUMANI A	9123514848
24	21-UMT-301	KARTHIK GANESH.S	9445664567
25	21-UMT-302	GOKUL K	7550027988
26	21-UMT-303	ARJUN M	7604825570
27	21-UMT-304	POORTHEEP B	9600199640
28	21-UMT-305	PRASANNA S	7397280316
29	21-UMT-306	ASAN RAHIB P	9444041633
30	21-UMT-307	SAMRAJAMANI R	9841469202
31	21-UMT-308	PUGAZHARASAN P	7010269037
32	21-UMT-309	KRISHNAKANTH S	9345827080
33	21-UMT-310	SAIRAJ. D	9789495104
34	21-UMT-312	TAMIL SELVAN B	8925616557
35	21-UMT-313	PAVITHRAN S	9551449661
36	21-UMT-314	SIDDHARTH M S	7358242037
37	21-UMT-315	SAHIL KUMAR JAIN	6392867746
38	21-UMT-316	INBATHAMIZHAN N	9345590118
39	21-UMT-317	SAJITH SEELAN J	9840987970
40	21-UMT-318	PRIYADHARSAN A	7448923366
41	21-UMT-319	MICHAEL SAHAYA DALTON.A	7826041675
42	21-UMT-321	RAGUL R V	9500577200
43	21-UMT-323	ASWIN KUMAR J	9952043319
44	21-UMT-324	HEMAKKUMAR P	9344199256
45	21-UMT-325	GOVARDHAN B K	9497113550
46	21-UMT-326	MAGESHWARAN V	9715014027
47	21-UMT-329	SRIDHAR D	6385738973
48	21-UMT-330	PRAVEEN RAJ V	9600838603
49	21-UMT-331	MANIVANNAN N	6382610983
50	21-UMT-332	YOGA SUTHAN A	7708667083
51	21-UMT-333	CHANDRAMOULI S	9597444907
52	21-UMT-334	PREM KUMAR K	8056452123
53	21-UMT-336	SAIKAM GOUTHAM ANAND	7337038955
54	21-UMT-337	KAARTHIC RAJ S	9994913166
55	21-UMT-339	VISHWA V	9361382819

DEPARTMENT OF MATHEMATICS (SHIFT-II)
MENTORS AND MENTEES
(2021-2022)

Class	Mentor	Mentees assigned
I B. Sc. Mathematics	Prof. F. R. Emmanuel	21-UMT-201 to 21-UMT-242
I B. Sc. Mathematics	Dr. S. Iruthaya Raj	21-UMT-301 to 21-UMT-339
II B. Sc. Mathematics A	Dr. S. Maria Jesu Raja	20-UMT-201 to 20-UMT-248
II B. Sc. Mathematics B	Dr. T. Bharathi	20-UMT-302 to 20-UMT-347
III B. Sc. Mathematics A	Dr. J. Geno Kadwin	19-UMT-203 to 19-UMT-252
III B. Sc. Mathematics A & B	Prof. D. Kumanan	19-UMT-253 to 19-UMT-255 19-UMT-301 to 19-UMT-333
III B. Sc. Mathematics B	Prof. A. Christopher	19-UMT-334 to 19-UMT-370 19-UMT-402 to 19-UMT-413
III B. Sc. Mathematics C	Dr. S. Ruth Julie Kavitha	19-UMT-415 to 19-UMT-474

LOYOLA MATHEMATICS ASSOCIATION SHIFT 2 (LMA S2 2021-2022)



Loyola Mathematics Association Shift 2 (LMA S2) for the academic year 2021-2022 was inaugurated on 12th October 2021 in online mode due to the COVID-19 pandemic. The office bearers of the association were selected by the coordinator and the president after consultation with the fellow faculty members. The following members constituted the association for the academic year 2021-2022.

Coordinator

Dr. J. Janet Sheeba

President

Dr. S. Iruthaya Raj

Office bearers

1. Mr. Bala Yogi A (19-UMT-354)	Secretary
2. Mr. Prathap B (19-UMT-466)	Joint Secretary
3. Mr. Abinash S (19-UMT-252)	Cultural Secretary
4. Mr. Mohamed Imthiyas A (19-UMT-308)	Associate Cultural Secretary
5. Mr. Noel Thomas Vallavanthara (19-UMT-407)	Sports Secretary
6. Mr. Gowtham E (19-UMT-352)	Event Secretary
7. Mr. Surya R (19-UMT-335)	Technical Director

Members of the association

Students of the Department of Mathematics (Shift-II).

Programs organized

The association has successfully organized the following events to the students to strengthen their skills and holistic growth.

1. Inauguration of Loyola Mathematics Association (LMA S2) on 12th October 2021.
2. Online invited talk on “Riemann integral” on 12th October 2021.
3. Workshop of Innovations using technology on 9th December 2021.
4. Guest lecture on “Magic square” on 8th March 2022.
5. “Aleph Nought” an intra class mathematics quiz competition for the second year B. Sc. Mathematics students of shift-II on 23rd May 2022.
6. “Directrix”, an intra class mathematics quiz competition for the first year B. Sc. Mathematics students of shift-II on 24th May 2022.
7. “Mandelbrat”, an intra class mathematics quiz competition for the third year B. Sc. Mathematics students of shift-II on 24th May 2022.
8. Valedictory function of Loyola Mathematics Association (LMA S2) on 27th May 2022.

INAUGURATION OF LOYOLA MATHEMATICS ASSOCIATION (2021-2022)

Date : 12-10-2021
Time : 4.45 pm - 5.30 pm
Venue : Online mode
Chief guest : Dr. K. Jeganathan, Assistant Professor,
Ramanujan Centre for Advanced Study in Mathematics,
University of Madras, Chennai

Objective

To inaugurate the Loyola Mathematics Association, Shift-II (LMA S2) for the academic year 2021-2022.

Summary

The inaugural function was held online through Cisco WebEx platform due to the COVID-19 pandemic. All the staff members and students of the department of Mathematics (Shift-II) participated in the function. The chief guest of the function gave the inaugural address by quoting the importance of learning mathematics. The team of secretaries and office bearers of the association was introduced and they were given badges by the coordinator of the department Dr. J. Janet Sheeba. The logo of the association (LMA S2) for the year 2021-2022 was released by the chief guest and the theme of the logo was explained by Mr. Prathap (19-UMT-466), the joint secretary of the association. The vote of thanks was proposed by Mr. Bala Yogi, the secretary of the association

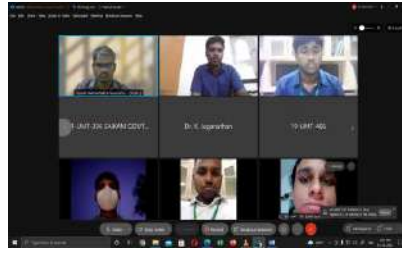
Expected outcome

The students will have the opportunity of having various programs through the Loyola Mathematics Association in the academic year.





Technical Head



Participants



Participants



Office Bearers



Faculty Members



Logo of LMA S2 (2021-2022)



**LOYOLA COLLEGE, CHENNAI-34
DEPARTMENT OF MATHEMATICS - SHIFT II**

Loyola Mathematics Association Shift 2

We cordially invite you for the inauguration of
Loyola Mathematics Association Shift-2 (LMA S2)
for the year 2021-2022

Chief Guest

Dr. K. JEGANATHAN
Assistant Professor
Ramanujan Institute for Advanced Study in Mathematics
University of Madras

Oct
12
2021

Cisco WebEx Link
[Click here to join the program](#)
Meeting number: 2640 742 3049
Password: LMAS2

4.45
PM

Dr. J. Janet Sheeba
Coordinator

Dr. S. Iruthaya Raj
President

Office Bearers

Bala Yogi A (Secretary)
Prathap B (Joint Secretary)
Abinash S (Cultural Secretary)
Noel Thomas (Sports Secretary)

ONLINE INVITED TALK ON RIEMANN INTEGRAL

Date	:	12-10-2021
Time	:	5.30 pm – 6.30 pm
Venue	:	Online mode
Resource person	:	Dr. K. Jeganathan, Assistant Professor, Ramanujan Centre for Advanced Study in Mathematics, University of Madras, Chennai

Objective

To strengthen the knowledge of Riemann integration of functions to the students of undergraduate programme in mathematics.

Summary

The invited talk on “Riemann integral” was delivered by Dr. K. Jeganathan, with the aid of power point presentation. He explained the fundamental concepts of Riemann integration with pictorial explanation. Students found interests in listening to the lecture and some questions were raised by the student participants. The resource person clarified the answers. Some problems were also solved by the resource person. Dr. J. Janet Sheeba, Coordinator of the Department welcomed the resource person, Dr. S. Maria Jesu Raja introduced the resource person and Dr. S. Iruthaya Raj, President of the Association thanked him at the end of the programme. The office bearers under the leadership of the Secretary of the Association Mr. Bala Yogi executed the event successfully through their meticulous planning.

Participants

Students of the Department of Mathematics (Shift-2) participated in the programme.

Expected outcome

The students will have the opening of the concept of Riemann integration and other integrals.



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI-34
DEPARTMENT OF MATHEMATICS, SHIFT-II

LOYOLA MATHEMATICS ASSOCIATION SHIFT 2



*cordially invites the faculty members and the students of
Department of Mathematics, Loyola College, Chennai for an online*

Invited Talk on
"Riemann Integral"

Resource Person

Dr. K. Jeganathan
Assistant Professor
Ramanujan Institute for Advanced Study in Mathematics
University of Madras

12

OCT

Cisco Webex Link

[https://loyolachennai.webex.com/loyolachennai/j.php?
MTID=m9b057401e1aa46039392d471f44a583d](https://loyolachennai.webex.com/loyolachennai/j.php?MTID=m9b057401e1aa46039392d471f44a583d)

Meeting number: 2640 742 3049

Password: LMAS2

5:15 - 6:00

PM

All are welcome

Mr. A. Bala Yogi
(Secretary)

Dr. S. Iruthaya Raj
(President)

Dr. J. Janet Sheeba
(Coordinator)

WORKSHOP OF INNOVATION USING TECHNOLOGY

Date : 09-12-2021
Time : 4.00 pm – 6.30 pm
Venue : Fr. Vion Smart Room, Department of Mathematics
Resource person : Mr. Sampras F Robert,
An alumnus of the Department (17-UMT-213),
Freelance Graphic Designer, Safero Designs

Objective

To strengthen the creative and innovative knowledge of mathematics students using technology.

Summary

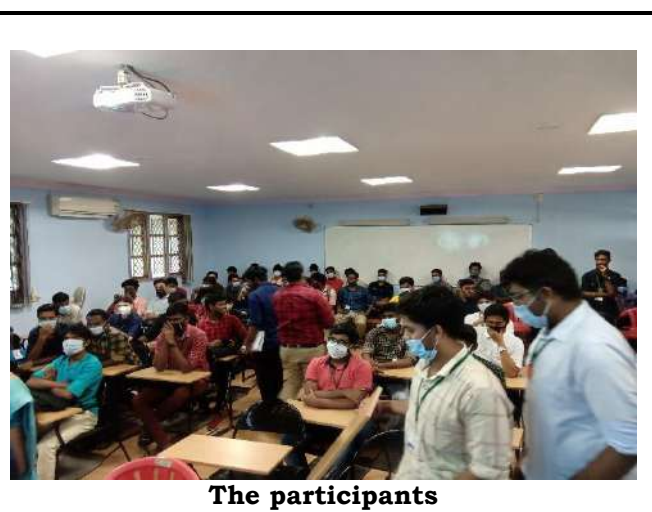
The workshop was organized for the benefit of the students of B.Sc. Mathematics programme to provide the exposure in innovations using technology. Mr. Sampras F Robert explained the participants about various tools available in order to strengthen the innovative creation in the digital era. He also in particular explained the advantages and techniques available in Adobe Photoshop package. Designing a simple and attractive posters and invitations using 'Photoshop' was well explained and demonstrated by the resource person. The participants registered for the workshop were instructed to bring their laptops for the workshop and the hand on technical session was held with interactions. Dr. S. Iruthaya Raj, President of the Association welcomed the participants and introduced the resource person to the participants. Mr. Bala Yogi, the Secretary of the association proposed vote of thanks. The office bearers of the association arranged the programme well and made it success.

Participants

Registered participants only.



Mr. Sampras F Robert



The participants



With LMA S2 Office Bearers



With Faculty Members

Expected outcome

The students will have the exposure on usage of technology with innovations in the upcoming days.

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI - 34
DEPARTMENT OF MATHEMATICS
LOYOLA MATHEMATICS ASSOCIATION SHIFT II

workshop on
INNOVATION USING TECHNOLOGY

"COME LET'S LEARN SOMETHING NEW AND INNOVATIVE"

Resource Person
SAMPRAS F ROBERT
FREELANCE GRAPHIC DESIGNER, SAFERO DESIGNS
(AN ALUMNUS OF THE DEPARTMENT)

Icons: Adobe Creative Cloud (Ps, Ai, Id), Microsoft Office (Word, Excel, PowerPoint, Outlook), and a hot air balloon.

FR. VISION SMART ROOM

DR. J JANET SHEEBA
CO ORDINATOR

DR S IRUTHAYA RAJ
PRESIDENT

GUEST LECTURE ON MAGIC SQUARES

Date	:	08-03-2022
Time	:	4.30 pm – 5.30 pm
Venue	:	Room No. JF-18, Jubilee Building, Loyola College
Resource person	:	Mr. T. R. Jothilingam, Railway Station Superintendent (Retired), Madurai

Objective

To develop the knowledge on Magic squares among students.

Summary

A magic square is a square of array of numbers consisting of the distinct positive integers $1, 2, \dots, n^2$, arranged such that the sum of the numbers in any horizontal, vertical, diagonal lines is always a constant. There are different ideas to create magic squares of any order. The development of magic squares was interestingly explained by the resource person to the participants. The student participants were motivated to form magic squares subject to different requirements. He showed different magic squares of different orders to the participants and a big magic square he formed. He explained various techniques to form a magic square using the set of all real numbers (even rationals, irrationals, negative numbers) instead of the set of natural numbers alone.

Participants

Registered students only.

Expected outcome

The students will have motivation in forming magic squares of any order subject to various constraints.





LOYOLA COLLEGE (AUTONOMOUS), CHENNAI-34
DEPARTMENT OF MATHEMATICS, SHIFT-II

LOYOLA MATHEMATICS ASSOCIATION SHIFT 2
(2021-2022)



*cordially invites the faculty members and the students of
Department of Mathematics, Loyola College, Chennai for an online*

Guest Lecture on
"Magic Squares"

Resource Person

Mr. T. R. Jothilingam
Railway Station Superintendent (Retired)
Madurai, Tamil Nadu

8
MARCH
2022

Venue
Jubilee Building
Room No. JF 18
Dept. of Mathematics

04:30 pm
to
5:30 pm

All are welcome

Mr. A. Bala Yogi
(Secretary)

Dr. S. Iruthaya Raj
(President)

Dr. J. Janet Sheeba
(Coordinator)

ALEPH NOUGHT MATHEMATICS QUIZ COMPETITION FOR II UG STUDENTS

Date	:	23-05-2022
Time	:	11.00 am – 01.00 pm
Venue	:	YD Hall, Loyola College
Quiz Master	:	Dr. S. Iruthaya Raj, Assistant Professor, Department of Mathematics Loyola College, Chennai-34.

Objective

To motivate the students to gain knowledge and skills in Mathematics through Mathematics Quiz competitions.

Summary

Participation in a general quiz competition makes a student sharp and bright. mathematics quiz competition in a special way develops one's knowledge and problem-solving ability and strengthens his/her memory power in mathematics. This will also be helpful to learn time management. The department has already conducted Intra-class mathematics quiz competitions separately for the first, second and third year students of our department in the year 2019. The participants of the competitions gave positive feedback and wished to conduct quiz competitions regularly to pass mathematics knowledge to the learners. By this motivation, the department conducted an intra-class mathematics quiz competition for the second year B.Sc. mathematics students (2020-2023 batch) on 23rd May 2022. Students actively participated in the competition. Four teams with three students in each were selected for the final rounds. Competition was conducted through 11 rounds of various levels. Students actively participated and prizes (mathematics books that would be useful for the third year courses) were given to the teams who won the first, second and third places.

Participants

Registered students only.

Expected outcome

The students will learn mathematics knowledge, problem-solving ability and time management through mathematics quiz competitions. The skills gained through mathematics quiz competitions will be helpful in solving problems asked in various competitive examinations.



Participants



With office bearers



Participants



Prize distribution to the winners



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI-34
DEPARTMENT OF MATHEMATICS, SHIFT-II
LOYOLA MATHEMATICS ASSOCIATION SHIFT 2
(2021-2022)



*cordially invites the faculty members and the students of
Department of Mathematics, Loyola College, Chennai for*

Aleph Nought
**An Intra Class Mathematics Quiz Competition for
Second year students of B.Sc. Mathematics (Shift-2)**

23
MAY 2022

Venue
YD Hall
Dept. of Chemistry
Loyola College, Chennai

11.00 am
to
1.00 pm

All are welcome

Mr. A. Bala Yogi
(Secretary)

Dr. S. Iruthaya Raj
(President)

Dr. J. Janet Sheeba
(Coordinator)

DIRECTRIX MATHEMATICS QUIZ COMPETITION FOR THE I UG STUDENTS

Date	:	24-05-2022
Time	:	04.30 pm – 06.30 pm
Venue	:	YD Hall, Loyola College
Quiz Master	:	Dr. S. Iruthaya Raj, Assistant Professor, Department of Mathematics Loyola College, Chennai-34.

Objective

To motivate the students to gain knowledge and skills in Mathematics through Mathematics Quiz competitions.

Summary

Participation in a general quiz competition makes a student sharp and bright. mathematics quiz competition in a special way develops one's knowledge and problem-solving ability and strengthens his/her memory power in mathematics. This will also be helpful to learn time management. The department has already conducted Intra-class mathematics quiz competitions separately for the first, second and third year students of our department in the year 2019. The participants of the competitions gave positive feedback and wished to conduct quiz competitions regularly to pass mathematics knowledge to the learners. By this motivation, the department conducted an intra-class mathematics quiz competition for the second year B.Sc. mathematics students (2021-2024 batch) on 24th May 2022. Students actively participated in the competition. Four teams with three students in each were selected for the final rounds. Competition was conducted through 10 rounds of various levels. Students actively participated and prizes (mathematics books that will be useful for the second year courses) were given to the teams who won the first, second and third places.

Participants

Registered students only.

Expected outcome

The students will learn mathematics knowledge, problem-solving ability and time management through mathematics quiz competitions. The skills gained through mathematics quiz competitions will be helpful in solving problems asked in various competitive examinations.



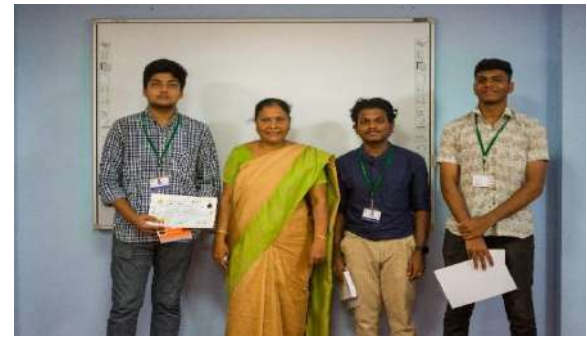
Participants



Quiz competition



With office bearers



Prize distribution

 **LOYOLA COLLEGE (AUTONOMOUS), CHENNAI-34**
DEPARTMENT OF MATHEMATICS, SHIFT-II
LOYOLA MATHEMATICS ASSOCIATION SHIFT 2
(2021-2022)



*cordially invites the faculty members and the students of
 Department of Mathematics, Loyola College, Chennai for*

Directrix
**An Intra Class Mathematics Quiz Competition for
 First year students of B.Sc. Mathematics (Shift-2)**

24 MAY 2022	<u>Venue</u> YD Hall Dept. of Chemistry Loyola College, Chennai	4.30 pm to 6.00 pm
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All are welcome

Mr. A. Bala Yogi (Secretary)	Dr. S. Iruthaya Raj (President)	Dr. J. Janet Sheeba (Coordinator)
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MANDELBROT PAPER PRESENTATION COMPETITION FOR III UG STUDENTS

Date : 24-05-2022
Time : 11.30 am – 01.00 pm
Venue : Department of Mathematics (Shift-II), JF-17
Chairpersons : Mr. D. Kumanan and Dr. J. Geno Kadwin
Assistant Professors, Department of Mathematics
Loyola College, Chennai-34.

Objective

To motivate the students to expose their mathematical knowledge and skills through paper presentation.

Summary

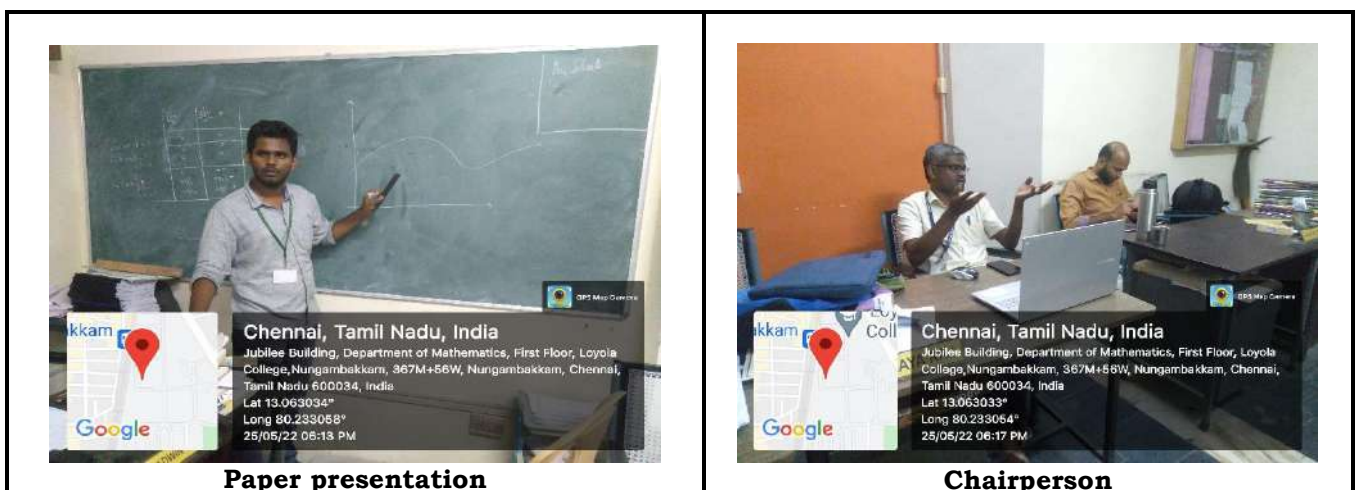
Presentation of papers in public is an easy way to convey one's findings to others of the same platform. To encourage the final year UG students of mathematics to show their findings of mathematics we conducted the paper presentation competition for them in the name of the famous mathematician Mandelbrot and on the title "Applications of mathematics".

Participants

Registered students only.

Expected outcome

The students will learn to improve their paper presentation skills and so will share their mathematics knowledge with others.





LOYOLA COLLEGE (AUTONOMOUS), CHENNAI-34
DEPARTMENT OF MATHEMATICS, SHIFT-II

LOYOLA MATHEMATICS ASSOCIATION SHIFT 2
(2021-2022)



*cordially invites the faculty members and the students of
Department of Mathematics, Loyola College, Chennai for*

Mandelbrot

**An Intra Class Paper presentation Competition for
Third year students of B.Sc. Mathematics (Shift-2)**

24
MAY 2022

Venue
Room No. JF 17
Dept. of Mathematics
Loyola College, Chennai

11.00 am
to
1.00 pm

All are welcome

Mr. A. Bala Yogi
(Secretary)

Dr. S. Iruthaya Raj
(President)

Dr. J. Janet Sheeba
(Coordinator)

VALEDICTION OF LOYOLA MATHEMATICS ASSOCIATION (LMA S2)

Date	:	27-05-2022
Time	:	11.00 am – 12.30 pm
Venue	:	Fr. Vion Smart Room, Department of Mathematics
Chief guest	:	Dr. D. Florence Isido, Assistant Professor, Department of Mathematics, Loyola College, Chennai
Guest of Honour	:	Mr. J. Dhanush Velankanni, (Alumnus of the Department-Shift-II, 2015 Batch) Project Coordinator, The South India Salesian Society, Chennai

Objective

To have the valedictory function of the activities of Loyola Mathematics Association, Shift-II (LMA S2) for the academic year 2021-2022 and to let the students know the various activities conducted during the year.

Summary

The valedictory function was held to appreciate the students of the department for their active participation in various academic, cultural and sports activities. Also, all the activities of the association conducted throughout the year were summarized during the function. Staff members and students of the department of Mathematics participated in the function. The chief guest of the function Dr. Florence Isido in her valedictory address appreciated the members of the association and the students for their involvement and participation in various activities. She gave some tips to the students on how to study mathematics courses and to know their virtues.

The guest of honour Mr. Dhanush Velankanni, an alumnus of the department was invited to give guidance to the students in their career. He motivated the students to learn personality skills and to develop communication skills.

The prize winners of various competitions conducted by the association were honoured with prizes and certificates. Also, the participants and volunteers of various activities of the association were honoured with certificates. Office bearers of the association were honoured with shields and certificates. The prizes, shields and certificates were given by the chief guest, guest of honour, coordinator of the Department and the faculty members of the department.

Welcome address was given by Dr. S. Iruthaya Raj, the president of the association, consolidated annual report of the association was video presented by the office bearers and finally the vote of thanks was delivered by Mr. Bala Yogi, the secretary of the association.



Invocation



On the dais



Welcome address



Felicitations to the chief guest



Felicitations to the chief guest



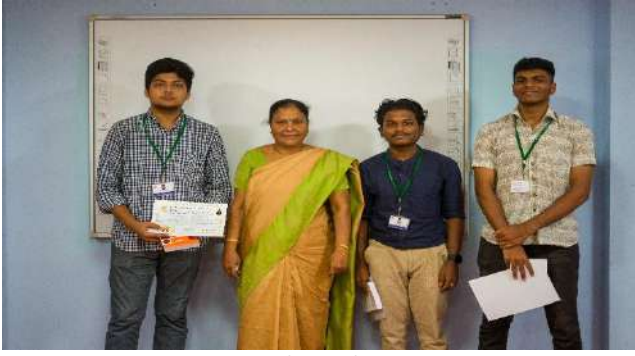
Felicitations to the guest of honour



Valedictory address by the chief guest



Speech by the guest of honour



Prize distribution



Prize distribution



Certificate distribution



Certificate distribution



Certificate distribution



Certificate distribution



Honouring office bearers



Honouring office bearers



Honouring office bearers



Honouring office bearers



Honouring office bearers



Honouring office bearers



Vote of thanks



Group photo

Expected outcome

The students will know about the activities of Loyola Mathematics Association and its functions in the upcoming academic years and get motivated to be a part of it.



LOYOLA COLLEGE, CHENNAI-34
DEPARTMENT OF MATHEMATICS (SHIFT II)

welcomes you to the Valedictory function of

LOYOLA MATHEMATICS ASSOCIATION SHIFT 2
(2021-2022)



CHIEF GUEST

Dr. D. Florence Isido

Assistant Professor
Department of Mathematics
Loyola College Chennai

GUEST OF HONOUR

Mr. J. Dhanush Velankanni

(Alumnus of the Department of Mathematics Shift II)
Project Coordinator
The South India Salesian Society Chennai



27 MAY 2022

VENUE

FR. VION SMART ROOM
DEPT. OF MATHEMATICS



11 AM

Mr. A. Bala Yogi
Secretary

Dr. S. Iruthaya Raj
President

Dr. J. Janet Sheeba
Coordinator

PARTICIPATION IN NEIGHBOURING COLLEGES

Our students participated in some programs organized by the neighbouring colleges and in some events, they won prizes also.

“MATHC / PHER” in Dwaraka Doss Goverdhan Doss Vaishnav College on 5th May 2022

Sl. No	Event	Participants
1	Math Quiz	19-UMT-313 RAJ SHANKAR 19-UMT-314 USHIJ CHATTERJEE 19-UMT-334 SAKET KUMAR GOPALUNI
2	Math Relay	20-UMT-209 JERIN BOSE 20-UMT-214 VIDHYADHAR
3	Treasure Hunt	19-UMT-335 SURYA 19-UMT-407 NOEL THOMAS 20-UMT-330 ARCHISMAN PANDA
4	Sherlock Holmes	19-UMT-308 MOHAMED IMTHIYAS 19-UMT-326 MOHAN RAM
5	Paper Presentation	19-UMT-421 MUHIL GOPAL 21-UMT-314 SIDDHARTH
6	IPL Auction	19-UMT-348 PRANAV 19-UMT-352 GOWTHAM 19-UMT-466 PRATHAP
7	Math Tunes	19-UMT-252 ABHINASH 19-UMT-309 ARTHEESWARAN 20-UMT-219 RAGHAVAN
8	Math Modelling	19-UMT-354 BALA YOGI A 19-UMT-358 AROCKIYA JOHN BRITTO
9	Poster Presentation	21-UMT-224 PIRAVIN 21-UMT-240 LOINTONGBAM THANGAMBA
10	Data Hunt	19-UMT-405 NEMUNI 20-UMT-225 HARISH

In the event “Poster presentation”, our team won the FIRST prize.



In DG Vaishnav College on 5-5-2022

STATISTICA'22 in Madras Christian College on 10th May 2022

Sl. No	Event	Participants
1	Potpourri	21-UMT-238 CHARLUS A 21-UMT-217 NATHEESH SELVA K 21-UMT-314 SIDDHARTH
2	Treasure Hunt	19-UMT-308 MOHAMED IMTHIYAS A 19-UMT-352 GOWTHAM 19-UMT-466 PRATHAP 21-UMT-324 HEMAKUMAR 21-UMT-216 DHANUSH
3	Junk Art	20-UMT-315 JAGANNATHAN 20-UMT-346 MONISHWAR
4	Face Painting	21-UMT-224 PIRAVIN 21-UMT-326 MAGESHWARAN
5	Shipwreck	21-UMT-323 ASWIN KUMAR 20-UMT-209 JERIN BOSE
6	Mobile Photography	19-UMT-335 SURYA
7	Meme Creation	21-UMT-207 KISHORE KUMAR M V
8	ADZAP	19-UMT-265 ABHISHEK M 19-UMT-267 SHAKTHI HARIHARA PRABHU S 19-UMT-235 SIMPSON J 19-UMT-274 VINESH VENKATRAMAN V 19-UMT-261 HARISH KUMAR P B

In the event “Face painting”, our team won the FIRST prize.



In Madras Christian College on 10-5-2022



Appreciation from our Faculty members

CHRISTMAS COMPETITIONS

Conducting Christmas competitions within the department for the students irrespective of their religions is a tradition of Loyola. The following two competitions were conducted for the students of our department on 22nd December 2022.

1. Carol singing
2. Short film making

Students interestingly registered and participated in the above two events. The carol singing competition was held in the department and the winners of the competition were given compliments. Similarly, to convey a moral message, short film making competition was held, and the registered students were asked to submit the film in video format through Google drive link. Students created videos extraordinarily to convey moral message and acted well. Moral books were given to the winners of both the competitions.

Christmas carol singing

First place	:	II B. Sc. Mathematics (A)	
		20-UMT-225	HARISH J
		20-UMT-242	SAMUEL AARON R
		20-UMT-245	JOHN ALEXANDER J
Second place	:	I B. Sc. Mathematics	
		21-UMT-214	SHANE RONALDO N
		21-UMT-221	ARJUN V S
		21-UMT-241	NIRMAL RAJ M

Short film making

First place	:	I B. Sc. Mathematics	
		21-UMT-202	D ANDREW IGNATIUS SAMUEL
		21-UMT-207	KISHORE KUMAR M V
		21-UMT-210	SARAVANAN P
		21-UMT-214	SHANE RONALDO N
		21-UMT-216	DHANUSH S T
		21-UMT-217	NATHEESH SELVA K
		21-UMT-222	PRANAV ROY
		21-UMT-235	DINESH R
		21-UMT-237	BHARATH I



Carol singing (2nd year A)



Carol singing (1st year)



Prize distribution



Prize distribution



Prize distribution



Prize distribution

SPORTS AND GAMES

Our students actively participated in the following sports and games during the academic year 2021-2022 and won prizes.

Event	Name of the participant	
Basketball	21-UMT-202	ANDREW IGNATIOUS SAMUEL D
	21-UMT-217	NATHEESH SELVA K
	21-UMT-214	SHANE RONALDO N
	21-UMT-332	YOGA SUTHAN A
	20-UMT-209	JERIN BOSE
	19-UMT-234	NAVIN N
	19-UMT-348	PRANAV P
	19-UMT-328	MINISH M
	19-UMT-311	RAJMOHAN B
	19-UMT-466	PRATHAP B
	19-UMT-435	MOHAINUTHEEN S
	19-UMT-407	NOEL THOMAS VALLAVANTHARA
	19-UMT-473	PRAVEEN KUMAR T
Football	21-UMT-207	KISHORE KUMAR M V
	21-UMT-237	BHARATH I
	21-UMT-240	LOITONGBAM THOUNGAMBA MEITEI
	21-UMT-303	ARJUN M
	21-UMT-307	SAMRAJAMANI R
	21-UMT-319	MICHAEL SAHAYA DALTON A
	20-UMT-226	DHANUSH M
	20-UMT-232	CHINNADURAI M
	20-UMT-244	AGILAN A
	20-UMT-310	SOURAV KONDASSERY RAJEEV
	20-UMT-330	ARCHISMAN PANDA
	19-UMT-307	THATHES ROHINTH R
	19-UMT-370	VEERAPANDI M
	19-UMT-407	NOEL THOMAS VALLAVANTHARA
	19-UMT-413	SARVA BALAJI S
	19-UMT-462	RUBAN L
19-UMT-474	HARISH KUMAR P M	
Volleyball	21-UMT-312	TAMIL SELVAN B
	21-UMT-334	PREM KUMAR K
	19-UMT-226	MOOVENDHAN B
	19-UMT-234	NAVIN N
	19-UMT-312	SANTHOSH A
	19-UMT-413	SARVA BALAJI S
	19-UMT-431	DINESH M
	19-UMT-435	MOHAINUTHEEN S
	19-UMT-473	PRAVEEN KUMAR T
Table tennis	21-UMT-207	KISHORE KUMAR M V
	21-UMT-214	SHANE RONALDO N

ATHLETICS

Event	Name of the participant	
100 meters run	20-UMT-248	VISHAL P
	20-UMT-232	CHINNADURAI M
	21-UMT-229	YOGESWARAN R
	21-UMT-238	CHARLUS A
	21-UMT-224	PIRAVIN B
	21-UMT-325	GOVARDHAN B K
	19-UMT-413	SARVA BALAJI S
	20-UMT-307	SAM JOEL F
400 meters run	21-UMT-325	GOVARDHAN B K
	19-UMT-315	JEEVANANTHAM R
	19-UMT-326	MOHANRAM P
	20-UMT-307	SAM JOEL F
500 meters run	20-UMT-232	CHINNADURAI M
	19-UMT-326	MOHANRAM P
1500 meters run	20-UMT-247	GOVARDHAN B K
	21-UMT-318	PRIYADHARSAN A
	19-UMT-315	JEEVANANTHAM R
5000 meters run	19-UMT-326	MOHANRAM P
4 × 100 meters relay	20-UMT-248	VISHAL P
	20-UMT-226	DHANUSH D
	19-UMT-466	PRATHAP B
	19-UMT-462	RUBAN L
	19-UMT-326	MOHANRAM P
	20-UMT-232	CHINNADURAI M
	20-UMT-307	SAM JOEL F
4 × 400 meters relay	19-UMT-326	MOHANRAM P
	20-UMT-226	DHANUSH M
	19-UMT-462	RUBAN L
	19-UMT-431	DINESH M
5 kilometers walk	19-UMT-326	MOHANRAM P
Shotput	20-UMT-207	SAHAYA JEON RONALDO S
	20-UMT-201	RONALDIN ARAVIND J
	19-UMT-234	NAVIN N

Event	Name of the participant	
Long jump	20-UMT-248	VISHAL P
	20-UMT-232	CHINNADURAI M
	20-UMT-247	GOVARDHAN B K
	21-UMT-319	MICHAEL SAHAYA DALTON A
	19-UMT-226	MOOVENDHAN B
	19-UMT-413	SARVA BALAJI S
	19-UMT-369	SURENDHARA RAAJ K
	19-UMT-431	DINESH M
Triple jump	19-UMT-472	THANGAM S
	21-UMT-319	MICHAEL SAHAYA DALTON A
Javelin throw	20-UMT-207	SAHAYA JEON RONALDO S
	20-UMT-201	RONALDIN ARAVIND J
	21-UMT-319	MICHAEL SAHAYA DALTON A
	19-UMT-234	NAVIN N
	19-UMT-226	MOOVENDHAN
	21-UMT-325	GOVARDHAN B K

PRIZE WINNERS

Dept. Number	Name	Event	Position
20-UMT-307	SAM JOEL F	200 meters (Division 2)	4
19-UMT-326	MOHANRAM P	200 meters (Division 2)	5
20-UMT-307	SAM JOEL F	400 meters (Division 1)	5
19-UMT-326	MOHANRAM P	400 meters (Division 2)	1
19-UMT-326	MOHANRAM P	5000 meters (Division 1)	3
19-UMT-326	MOHANRAM P	5 Km walk (Division 2)	2
19-UMT-234	NAVIN N	Shotput (Division 1)	6
19-UMT-234	NAVIN N	Shotput (Division 2)	6
19-UMT-472	THANGAM S	Triple jump (Division 2)	2
19-UMT-326	MOHANRAM P	4 × 400 meters relay	1
20-UMT-226	DHANUSH D	4 × 400 meters relay	1
19-UMT-431	DINESH M	4 × 400 meters relay	1
19-UMT-462	RUBAN L	4 × 400 meters relay	1

MARCH PAST

96th Annual sports day of Loyola College was held on 1st April 2022 and a team of students from our department participated in march past. The following students won prizes and certificates.



Football



Basketball



Volleyball



March past team



March past in sports day



March past in sports day



Prize winners



Prize winners with faculty members

CULTURAL ACTIVITIES

Students of the department of mathematics (Shift-II) participated in OVATIONS 2022, an inter department cultural competitions held in the college on 29th and 30th of April 2022. Prizes were also won by our students in some events. The following students participated in the preliminaries for ON stage events.

Sl. No	Event	Participants
1	Light music preliminaries (26-3-2022)	19-UMT-309 19-UMT-345 19-UMT-362 20-UMT-219 20-UMT-242
2	Western music preliminaries (26-3-2022)	ARTHEESWARAN S JAISON M INIYAN K RAGHAVAN B SAMUEL AARON R
3	Ad Zap preliminaries (27-3-2022)	19-UMT-215 19-UMT-252 19-UMT-350 19-UMT-362 20-UMT-209 20-UMT-242
4	Folk dance preliminaries (28-3-2022)	VINCENT THANGARAJ J ABINASH S ISAIYAS A INIYAN K JERIN BOSE SAMUEL AARON R
5	Mime preliminaries (30-3-2022)	19-UMT-235 19-UMT-261 19-UMT-265 19-UMT-267 19-UMT-274 19-UMT-402 19-UMT-425
		SIMPSON J HARISH KUMAR P B ABHISHEK M SHAKTHI HARIHARA PRABHU S VINESH VENKATRAMAN V THOMSON RAJA I ARUNRAJ V
		19-UMT-363 19-UMT-369 19-UMT-370 20-UMT-226 20-UMT-232 20-UMT-236 20-UMT-247 21-UMT-214 21-UMT-235 21-UMT-339
		SUDHARSAN S SURENDHRA RAAJ K VEERAPANDI M DHANUSH D CHINNADURAI M SREE VETRIVEL GOVARDHAN S SHANE RONALDO N DINESH R VISHWA V
		19-UMT-357 20-UMT-207 20-UMT-218 20-UMT-330 21-UMT-207 21-UMT-216 21-UMT-217 21-UMT-304 21-UMT-323 21-UMT-326
		ABISHEK M SAHAYA JEON RONALDO S BOGA NANDA KISHORE ARCHISMAN PANDA KISHORE KUMAR M V DHANUSH S T NATHEESH SELVA K POORTHEEP B ASWIN KUMAR J MAGESHWARAN V

In around 25 teams participated in the preliminaries of the above events across the departments in our college, only 8 teams were selected in each of the above events to perform ON stage including our teams for “**Ad Zap**” and “**Western music**”. During the Ovations festival, both of the above teams performed well on stage, and finally **our Ad Zap team won the FIRST prize in the College.**

Similarly Off-stage competitions like essay writing, mask painting, and etc., were also held. Our students also participated in some of the off-stage events.

Sl. No	Event	Participants
1	Quiz	20-UMT-209 19-UMT-308 19-UMT-313 JERIN BOSE MOHAMED IMTHIYAS A RAJSHANKAR M
2	Mask painting	21-UMT-224 PIRAVIN B
3	Block and tackle	19-UMT-334 SAKET KUMAR GOPALUNI
4	Debate English	19-UMT-360 21-UMT-323 ADITYA CHHETRI ASWIN KUMAR J
5	Poster making	21-UMT-207 KISHORE KUMAR M V
6	Tamil Debate	19-UMT-354 20-UMT-315 BALA YOGI A JAGANNATHAN P
7	Mobile photography	19-UMT-405 NEMUNI S
8	Meme creation	19-UMT-412 DANIEL JOHNSON
9	Sherlocked	19-UMT-308 19-UMT-334 21-UMT-207 21-UMT-309 MOHAMED IMTHIYAS A SAKET KUMAR GOPALUNI KISHORE KUMAR M V KRISHNAKANTH S
10	Shipwreck	19-UMT-360 ADITYA CHHETRI
11	Battle it out	19-UMT-343 19-UMT-328 RAGHUL D MINISH M
12	Mandala art	21-UMT-224 PIRAVIN B
13	Rap battle	19-UMT-466 19-UMT-252 PRATHAP B ABINASH S

14	Surprise Event	19-UMT-349 20-UMT-330 21-UMT-326	LATHISH BALAJI B ARCHISMAN PANDA MAGESHWARAN V
15	Treasure hunt	19-UMT-327 19-UMT-304 19-UMT-349 20-UMT-205 20-UMT-330	GANESH M MUDITH D LATHISH BALAJI B OM PRAKASH ARCHISMAN PANDA
16	Creative writing English	21-UMT-216	DHANUSH S T
17	Creative writing Tamil	19-UMT-207	SANJAY P
18	Voice over	19-UMT-265 19-UMT-267	ABISHEK M SAKTHI HARIHARA PRABHU

In both **“Creative writing Tamil”** and **“Voice over”** our teams won **THIRD** prize across all the departments in the college.



Mime-Preliminaries



Folk dance-Preliminaries



Western music-On stage performance



Ad Zap-On stage performance

ALUMNI MEETING

A department level alumni meet was held on 19th March 2022, the 93rd convocation day of our college. The 2017 batch passed out UG students received their degrees on the day. After receiving the degree certificates, the students met the faculty members in the department and remembered their experiences in Loyola. The faculty members welcomed, congratulated and had a nice meeting with them.



2015 batch students



2017 batch students



2017 batch students



2017 batch students



2017 batch students



2015 batch students

PARENTS-TEACHERS MEETING

The Parent-Teachers Association meeting (PTA meeting) for this semester was held on 5th May 2022. The parents of FIRST year students participated in this meeting in good number. Since they had the meeting in the first time in Loyola, the meeting was held to let them know the various facilities available, rules and regulations and other important inputs. Prof. F. R. Emmanuel welcomed the parents and Dr. J. Janet Sheeba conducted the meeting and gave inputs through power point presentation. The parents raised some doubts regarding club hours completion, attendance of students, semester exam registration and etc., and our professors clarified their doubts. Feedback was received from the parents. Finally vote of thanks was delivered by Dr. J. Geno Kadwin.

The meeting was held for the First-year students in Lawrence Sundaram Hall and for the senior class students in the department rooms. Class faculties met the parents of their respective class students.



Welcome speech by Prof. F. R. Emmanuel



Dr. J. Janet Sheeba conducting the meeting



Parents



Parents



Parents



Vote of thanks by Dr. J. Geno Kadwin

PLACEMENT DETAILS

Through a sequence of trainings given by placement cell to the students, some of our students got placed in some reputed industries in the year 2021-2022.

Dept. Number	Name of the student	Industry placed	Salary package
19-UMT-203	Pranav S	Deloitte	3.83 LPA
19-UMT-262	Santhosh Kumar J	Deloitte	3.83 LPA
19-UMT-256	Ramakrishnan R	ICICI Bank	6.54 LPA
19-UMT-207	Sanjay P	NatWest Group	3 LPA
19-UMT-274	Vinesh Ventakraman V	Mr Cooper	2.25 LPA
19-UMT-334	Saket Kumar Gopaluni	Accenture	13.92 LPA
19-UMT-308	Mohamed Imthiyas A	Deloitte	3.83 LPA
19-UMT-318	Mohammed Ashiq A	Deloitte	3.83 LPA
19-UMT-360	Aditya Chhetri	Deloitte	3.83 LPA
19-UMT-306	Pradeep S	ICICI Bank	6.5 LPA
19-UMT-331	Dhwarakhesh R	ICICI Bank	6.5 LPA
19-UMT-358	ArockiyaJohn Britto A	Nielsen IQ	3.6 LPA
19-UMT-327	Ganesh M	Natwest	3 LPA
19-UMT-307	Thathes Rohinth R	Natwest	3 LPA
19-UMT-405	Nemuni	Deloitte	3.83 LPA
19-UMT-435	Mohainudeen	Deloitte	3.83 LPA
19-UMT-421	Muhil Gopal	Real foundation	3 LPA
19-UMT-403	Dhanush A	Real foundation	3 LPA
19-UMT-407	Noel Thomas Vallavanthara	ICICI Bank	6.5 LPA

* LPA – Lakhs per annum

WEBINAR ON PERSONALITY TRAITS OF A CIVIL SERVANT

The webinar was organized on 11th September 2021 by our department to let the students know the various personality traits of a civil servant. The registered participants were invited for the webinar. Professor Hermon Carduz, Department of Human Excellence, St. Joseph's College was the resource person. Students participated in the webinar actively. The convener of the webinar was Dr. J. Geno Kadwin.



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI-34
DEPARTMENT OF MATHEMATICS (SHIFT II)**

cordially invites the students of Loyola College
for a motivational talk on

Personality Traits of a Civil Servant

Resource person



**PROF. HERMON CARDUZ
ASSISTANT PROFESSOR
DEPARTMENT OF HUMAN EXCELLENCE
ST. JOSEPH'S COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI-620002**

Date: 11 SEPTEMBER 2021

Time: 5:00 pm - 6:00 pm

Platform: Google Meet

<https://meet.google.com/qxb-oqgt-fhm>

**Dr. D. Antony Xavier
Head of the Department of Mathematics**

**Dr. J. Geno Kadwin
Convener**

WORKSHOP ON MATHEMATICAL ANALYSIS (MATANA 2021)



(13 – 18 September 2021)

About MATANA 2020 held in 2020

The online Workshop on Mathematical Analysis (MATANA 2020) was organized during the last year from June 8-13, 2020 for the benefit of young college teachers, researchers and PG students in the field of Mathematics and around 1200 active participants from various states of India participated in the workshop among which around 75 % were college teachers. The financial support was from the Principal of our College and he sanctioned an amount of Rs. 10,000 for this workshop. Five resource persons were invited for the workshop and the lectures were published on YouTube. The participants had given feedback on the workshop and many of them wished to organize the workshop for every year. That was the motivation for us to organize the workshop this year also in the same name MATANA 2021.

Inauguration of MATANA 2021

The workshop on MATANA 2021 was held from 13-9-2021 to 18-9-2021 with the inauguration function on 13-9-2021 Monday. Dr. Janet Sheeba, Coordinator of the Department of Mathematics Shift-II welcomed the gathering and Dr. C. Ganesa Moorthy, Retired Professor of Mathematics, Alagappa University delivered the inaugural address. Dr. Melchias Gabriel, Deputy Principal of Loyola College felicitated the workshop and Dr. D. Antony Xavier, Head of the Department of Mathematics delivered the keynote address.

Technical sessions

16 technical sessions were held in total for the 6 days, with 3 sessions daily of 45 minutes duration each excluding the inauguration and valedictory functions. The sessions began at 4.45 pm and ended at 7 pm during the workshop days daily. PG students, young college teachers and interested UG students from various institutions of India participated in the workshop. Around 200 participants participated in the workshop actively. The following 5 resource persons handled the sessions in the workshop.

1. Dr. R. Lawrence Joseph Manoharan, Retired Professor, St. Joseph's College, Tiruchirappalli-2, on the topic "**Real Analysis**".

He explained the concepts of limits of sequences, continuity and differentiability of functions, and he solved some problems asked in the CSIR NET question papers related to the above three concepts. PG students and young college teachers will be benefitted.

2. Dr. M. Marudai, Honorary Professor of Mathematics, Bharathidasan University, Tiruchirappalli, on the topic "**Topology of metric spaces**".

He explained the fundamentals of the topology on \mathbb{R} and a metric space. He solved some problems related to the concept. His sessions were useful to the UG and PG students.

3. Dr. P. S. Srinivasan, Associate Professor of Mathematics, Bharathidasan University, Tiruchirappalli, on the topic “**Sequence of functions**”.

He explained in detail the concept of sequence of functions and various results in the topic and he solved many problems in connection with the concept of sequence of functions. His sessions were useful for the PG students and college teachers.

4. Dr. C. Ganesa Moorthy, Retired Professor of Mathematics, Alagappa University, Karaikudi, on the topic “**Invariant subspace problem in matrix form**”.

In his session he introduced some open problems in the prestigious “Invariant subspace problem” of Hilbert. This session was an opening to the researchers in the field of analysis.

5. Dr. S. V. Bharanedhar, Assistant Professor of Mathematics, Central University of Tamil Nadu, Thiruvarur on the topic “**Analytic functions and complex integration**”.

He in his sessions explained the concepts of analyticity of complex functions and complex integrations and solved some problems on the above topic asked in CSIR NET and NBHM exams. His sessions were arranged for the benefit of PG students and young college teachers.

Virtual classroom for discussions

Through Google classroom, the assignment questions were posted daily based on the topics covered on the day. Participants were encouraged to solve problems on the platform.

Financial support

The workshop was organized by the financial support from the Principal of our College. He sanctioned an amount of Rs. 11,000 to organize this workshop.

Expected outcome

It is expected that the participants both teachers and students, will be motivated out of this workshop on MATANA 2021. Problem solving ability will be strengthened.

Inaugural function (13 September 2021)



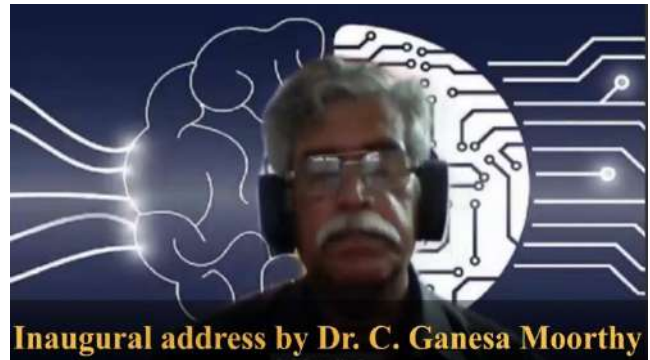
Dr. J. Janet Sheeba, Coordinator
(Welcome address)



Dr. Melchias Gabriel, Deputy Principal
(Felicitation)



Dr. D. Antony Xavier, Head of the Department
(Keynote address)



Inaugural address by Dr. C. Ganesa Moorthy
(Inaugural address)



Dr. J. Geno Kadwin, Convener
(Dynamics of the Workshop)



Dr. S. Iruthaya Raj, Convener
(Vote of thanks)

Resource persons



Dr. R. Lawrence Joseph Manoharan

$$\lim_{n \rightarrow \infty} \frac{(1 + \frac{1}{n})^n - 1}{\ln n}$$

$$= \lim_{n \rightarrow \infty} \frac{1 + \frac{1}{2n} + \dots - 1}{\ln n} = \lim_{n \rightarrow \infty} \frac{1}{n \ln n}$$

$$= \frac{1}{\infty}$$



Dr. P. S. Srinivasan

3) $f_n(x) = \begin{cases} 1 & \text{if } |x| \leq n \\ 0 & \text{if } |x| > n \end{cases}, f(1) = 1$

$f_n \rightarrow 1$ on \mathbb{R}

Supp. of $f_n \rightarrow f$ on \mathbb{R}

$\epsilon = \frac{1}{2}, \forall N \in \mathbb{N}, \forall x \in \mathbb{R}, |f_n(x) - 1| < \frac{1}{2}$

$\forall x \in \mathbb{R}, f_n(x) \in (\frac{1}{2}, \frac{3}{2})$

$\forall x \in \mathbb{R}, f_n(x) > \frac{1}{2}$ — (1)



Dr. M. Marudai

$B^c(0, 1)$

$\varphi((1, 1) - (1, 0)) = \sqrt{(1-1)^2 + (1-0)^2} = 1$

$\lambda = -1$



Dr. S. V. Bharanedhar

POWER SERIES

$z_n \rightarrow 0, |z_n| \rightarrow$

DEFINITION

A series of the form $\sum_{n=0}^{\infty} a_n(z-a)^n$ is called power series about $z = a$.

$\sum_{n=0}^{\infty} a_n z^n$ $z = z_1$ $\forall z \rightarrow |z| < |z_1|$

$a_n z_1^n \rightarrow 0, |a_n z_1^n| \rightarrow$



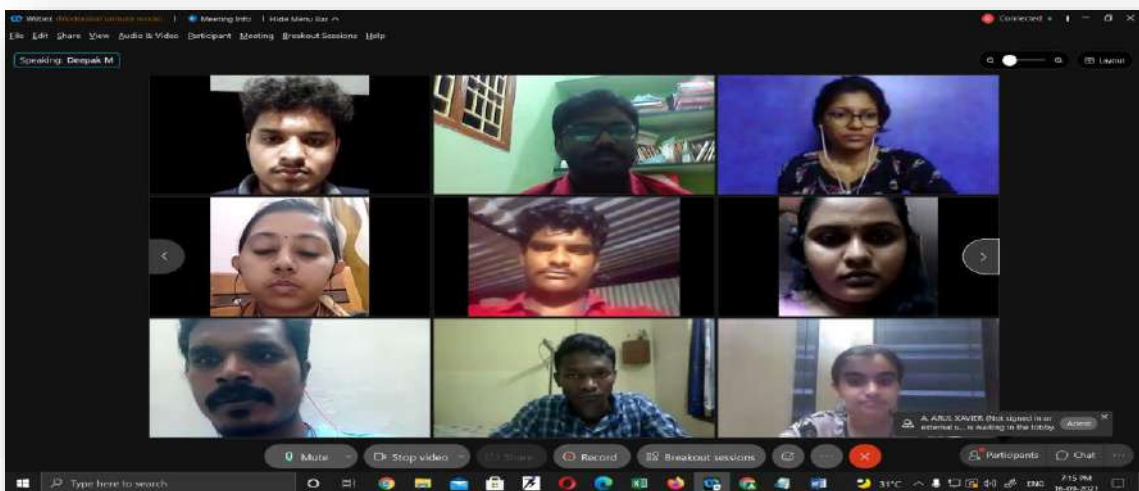
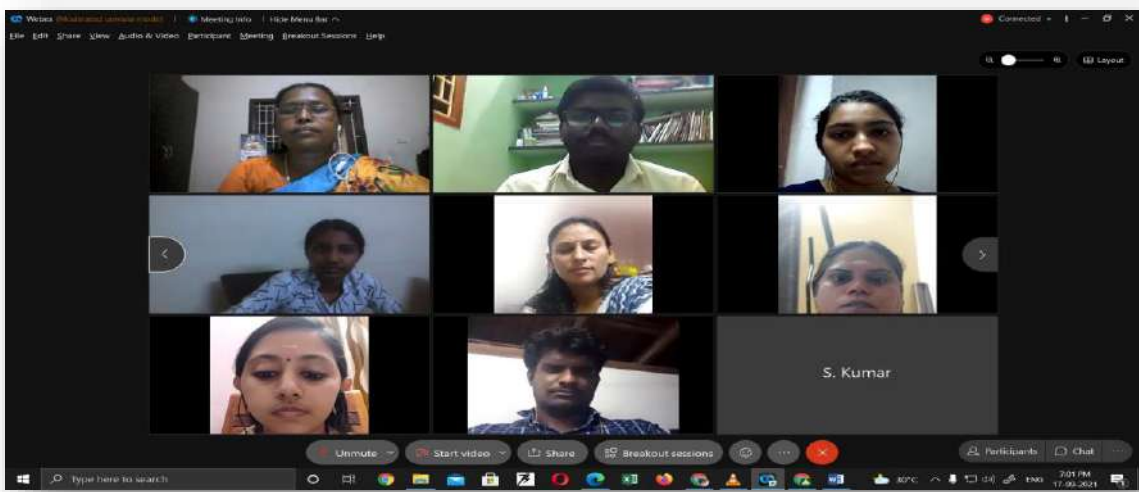
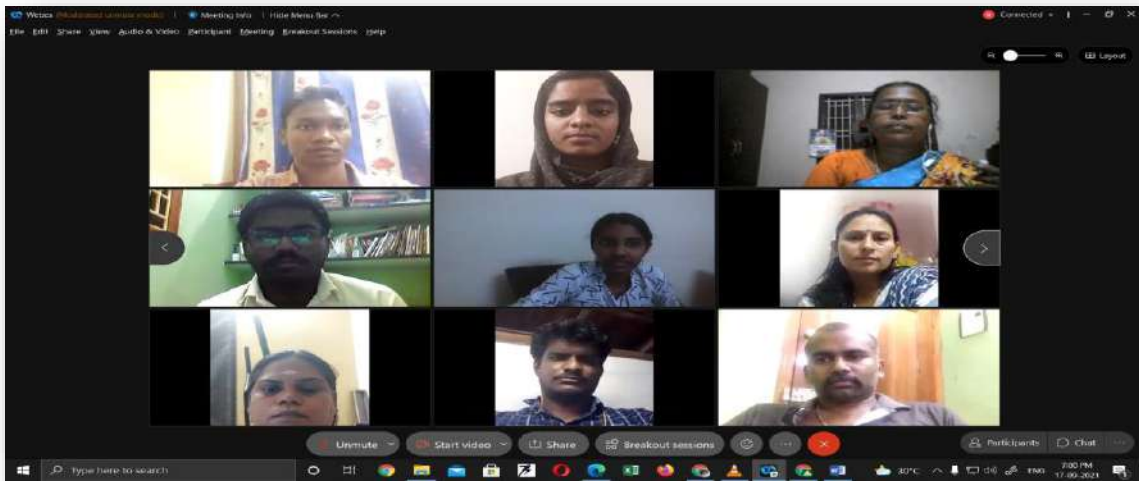
Dr. C. Ganesa Moorthy

Open Problem: Find necessary and sufficient conditions (if and only if conditions or characterization) for infinite matrices to map ℓ_2 into ℓ_2 .

Find conditions for a_{ij} so that

$$\begin{pmatrix} a_{11} & a_{12} & \dots & \dots \\ a_{21} & a_{22} & \dots & \dots \\ \vdots & \vdots & \ddots & \vdots \\ \vdots & \vdots & \dots & \dots \end{pmatrix} \begin{pmatrix} x_1 \\ x_2 \\ \vdots \\ \vdots \end{pmatrix} \in \ell_2, \text{ whenever } \begin{pmatrix} x_1 \\ x_2 \\ \vdots \\ \vdots \end{pmatrix} \in \ell_2$$

Participants



Valedictory function (18 September 2021)



Dr. J. Geno Kadwin
(Welcome address)



Dr. Dorathy Pushparani
(Presidential address)



Dr. Indra Rajasingh
(Valedictory address)



Dr. S. Iruthaya Raj
(Vote of thanks)

Organizing Committee

Rev. Dr. P. Francis Xavier, SJ

Rev. Dr. D. Selvanayakam, SJ

Rev. Dr. A. Thomas, SJ

Dr. Melchias Gabriel

Dr. D. Antony Xavier

Dr. J. Janet Sheeba

Dr. S. Iruthaya Raj

Dr. J. Geno Kadwin

Rector

Secretary and Correspondent

Principal

Deputy Principal

Head of the Department


Coordinator of the Department

Convener

Convener

WEBINAR ON DISCRETE MATHEMATICS AND ITS APPLICATIONS

The webinar on Discrete Mathematics and its applications was organized by our department on 15th September 2021 for the students and faculty members of Mathematics stream. 140 participants participated in the webinar and Dr. K. Sankar of Anna University Chennai was the resource person of the webinar. Dr. S. Little Joice of Department of Mathematics (Shift-1), and Dr. T. Bharathi, Dr. S. Ruth Julie Kavitha and Dr. S. Maria Jesu Raja of Department of Mathematics (Shift-2) were the conveners of the webinar.




**LOYOLA COLLEGE
CHENNAI-34**
PG & Research Department of Mathematics
organizes

**Webinar
on
DISCRETE MATHEMATICS & ITS APPLICATIONS**

RESOURCE PERSON

Dr. K. SANKAR
Associate Professor,
Department of Mathematics
CEG Campus, Anna University, Chennai



Date: 15.09.2021
Time: 5.00 p.m. – 6.30 p.m.
Registration link: <https://forms.gle/Lu3HxCM9BMegoect9>
Mode of Platform: Cisco Webex
<https://loyolachennai.webex.com/loyolachennai/j.php?MTID=m416abdf0676194042b80d1d805db32a8>

Registration

- Registration free
- E-Certificate will be issued

Organizing Committee

Conveners:

Dr. S. Little Joice	Dr. D. Antony Xavier
Dr. T. Bharathi	H.O.D
Dr. S. Ruth Julie Kavitha	Department of Mathematics
Dr. S. Maria Jesu Raja	

WEBINAR ON LINEAR ALGEBRA

A webinar on “Linear algebra” was organized by the department on 28th and 29th October 2021 to strengthen the basic knowledge and problem-solving skills of our students in linear algebra. Mr. Pachaiappan, Director of Green mathematical institute was the resource person of the webinar on both the days. He motivated the students to learn linear algebra and our students also had an intellectual interaction with the resource person. Professors F. R. Emmanuel and A. Christopher convened the webinar.



Department of Mathematics
Loyola College, Chennai
cordially invites you for a

WEBINAR ON LINEAR ALGEBRA

*for II &
III UG
students*

RESOURCE PERSON:
MR. PACHAIAPPAN
DIRECTOR
GREEN MATHEMATICAL INSTITUTE



28 & 29 October 2021



4.30pm - 6.00pm

Link to Register: <https://forms.gle/tjMYPQ22Wc4knbFe9>

Online Platform: Cisco Webex

Webinar Link: <https://loyolachennai.webex.com/loyolachennai/k2/j.php?MTID=t5f40756b1293fef22c81a8c85f0c40c3>

ORGANIZING COMMITTEE

Dr.D.Antony Xavier, Head of the department

Dr. J. Janet Sheeba, Coordinator

CONVENORS

Prof. Emmanuel F.R. & Prof. A. Christopher

*e-certificate will be provided to only those who participate in the webinar for two days.

INTERNATIONAL CONFERENCE ON RECENT TRENDS IN APPLIED MATHEMATICS (ICRTAM 2022)

The Department of Mathematics, Loyola College, Chennai hosted the “International Conference on Recent Trends in Applied Mathematics” (ICRTAM 2022) on 3rd and 4th March 2022. The objective of this conference was to provide a virtual-academic platform for the young researchers to present their new research findings and exchange their expertise and techniques in the field of Applied Mathematics. The conference focused on problems and solutions in relevant to the global need of mathematical research and to sense the requirement of mathematical approach in the field by exchanging ideas through interaction and fruitful discussions. The “International Conference on Recent Trends in Applied Mathematics” (ICRTAM 2022) brought together both novice and experienced researchers in various fields of Applied Mathematics to meet and establish a vibrant network between research groups. The conference included keynote addresses and invited talks by the eminent Mathematicians around the world and paper presentations by researchers.

<p style="text-align: center;">Steering Committee</p> <p style="text-align: center;">Patron Rev. Dr. Francis P. Xavier, SJ Rector, Loyola College, Chennai</p> <p style="text-align: center;">Chairs Rev. Dr. A. Thomas, SJ Principal, Loyola College, Chennai Rev. Dr. D. Selvanayagam, SJ Secretary & Correspondent, Loyola College, Chennai</p> <p style="text-align: center;">Convener Dr. D. Antony Xavier Head of the Department of Mathematics, Loyola College, Chennai</p> <p style="text-align: center;">Co-Convener Dr. J. Janet Sheeba Coordinator, Department of Mathematics, Loyola College, Chennai</p> <p style="text-align: center;">Advisory Committee</p> <p>Dr. Jia-Bao Liu School of Mathematics and Physics Anhui Jianzhu University, China</p> <p>Dr. Indra Rajasingh Former Dean, School of Advanced Sciences, Vellore Institute of Technology, Chennai</p> <p>Dr. Madhumangal Pal Department of Applied Mathematics with Oceanology and Computer Programming Vidyasagar University, West Bengal</p> <p>Rev. Dr. S. Samuel Jayaseelan SJ Department of Mathematics, Loyola College, Chennai</p> <p>Dr. M.A. Baskar Department of Mathematics, Loyola College, Chennai</p> <p>Dr. K. Sankar Department of Mathematics Anna University, Chennai</p> <p>Dr. K. Kaliraj Ramanujan Institute for Advanced Study in Mathematics University of Madras, Chennai</p>	<p style="text-align: center;">Invited Speakers</p> <p>Dr. Sandi Klavžar Faculty of Mathematics and Physics University of Ljubljana, Slovenia</p> <p>Dr. Jia-Bao Liu School of Mathematics and Physics Anhui Jianzhu University, China</p> <p>Dr. Paul Manuel Department of Information Science, College of Life Sciences, Kuwait University, Kuwait</p> <p>Dr. Ismail Naci Cangul Department of Mathematics Bursa Uludag University, Turkey</p> <p>Dr. Ariana Pitea Department of Mathematics and Informatics University Politehnica of Bucharest, Romania</p> <p>Dr. Roslan Hasni Faculty of Ocean Engineering Technology and Informatics Universiti Malaysia Terengganu, Malaysia</p> <p>Dr. Mohammed K. A. Kaabar Institute of Mathematical Sciences University of Malaya, Malaysia</p> <p>Dr. Indra Rajasingh Former Head, Department of Mathematics, Loyola college, Chennai. Former Dean, School of Advanced Sciences, Vellore Institute of Technology, Chennai</p> <p>Dr. Ram Prakash Sharma Department of Mechanical Engineering National Institute of Technology, Arunachal Pradesh</p> <p>Dr. V. Renuka Devi Department of Mathematics Central University of Tamil Nadu, Thiruvaurur</p> <p>Dr. Anita Pal Department of Mathematics National Institute of Technology Durgapur, West Bengal</p> <p>Dr. Joseph Varghese Department of Mathematics Christ University, Bangalore</p> <p>Dr. Sudeep Stephen School of Computer Science The University of Auckland, New Zealand</p>	<p>INTERNATIONAL CONFERENCE</p> <p>ON</p> <p>RECENT TRENDS IN APPLIED MATHEMATICS</p> <p>ICRTAM 2022</p> <p>(Virtual mode)</p> <p>March 3-4, 2022</p>  <p>Organized by</p> <p>DEPARTMENT OF MATHEMATICS</p> <p>LOYOLA COLLEGE</p> <p>CHENNAI, TAMIL NADU, INDIA</p>
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About the College

Loyola College, Chennai was established in the year 1925 with 75 undergraduate students of Mathematics, History and Economics. Loyola College was given autonomy in 1978 and was honoured with "College with Potential for Excellence" in 2010 and "College of Excellence" from 2014 onwards. Loyola was ranked 3rd among Arts and Science Colleges in India by National Institute Ranking Framework (NIRF) in the year 2021, and has been accredited with CGPA of 3.55 on four point scale at A++ grade by NAAC in 2021. Around 9500 students are studying in 19 post graduate and 24 under graduate departments, and Research is carried out in 12 departments. Loyola provides quality education, incredible compendium of academic programmes, innovative methodologies and intensive research to the students.

About the Department

Department of mathematics was established in the year 1925 with B.A. program in Mathematics. The Honors course in Mathematics was integrated in 1927 and the first batch of students appeared for the B.A. Honors degree in 1930. The department was recognized as a research department in 1984. The Racine Research Centre was established in the department in 1991 on the occasion of the birth centenary of Rev. Fr. Charles Racine D.Sc., who was one of the great influences in the development of modern mathematics in India. The mathematicians M. S. Narasimman FRS and C.S. Seshadri FRS, founder and director emeritus of the Chennai Mathematical Institute are the alumni of the department who are known for the famous Narasimman-Seshadri theorem. The research areas of the department include

- Graph Theory
- Fuzzy Logic
- Functional Analysis
- Astronomy
- Formal Languages and Automata Theory

About the Conference

The Department of Mathematics, Loyola College, Chennai hosts the "International Conference on Recent Trends in Applied Mathematics" (ICRTAM 2022) on 3rd and 4th March 2022. The objective of this conference is to provide a virtual-academic platform for the young researchers to present their new research findings and exchange their expertise and techniques in the field of Applied Mathematics.

The conference focuses on problems and solutions in relevant to the global need of mathematical research and to sense the requirement of mathematical approach in the field by exchanging ideas through interaction and fruitful discussions.

The "International Conference on Recent Trends in Applied Mathematics" (ICRTAM 2022) aims to bring together both novice and experienced researchers in various fields of Applied Mathematics to meet and establish a vibrant network between research groups.

The conference includes keynote addresses and invited talks by the eminent Mathematicians around the world and paper presentations by researchers.

Call for Papers

Authors are invited to submit the original and unpublished research articles in the following areas, but not limited to

- Graph theory and Combinatorics
- Fuzzy Logic and Analysis
- Communication Networks
- Automata Theory
- Functional analysis
- Computational Mathematics
- Neural Networks
- Probabilistic and Randomized Algorithm.
- Complexity Theory
- Differential Equations
- Control Theory
- Theoretical Computer Science

Journal Publication

All the accepted papers of the conference will be published in the UGC CARE – Web of Science/SCOPUS journals as per the standing procedure of the journals.

Abstract and Paper Format

The abstract should be between 100-200 words with complete author details and marked (*) for the corresponding author. The authors can use their own format for the full paper, and after acceptance of the paper, the formatting should be done according to the journal.

Authors have to send the abstract and the full paper to icrtam2022@loyolacollege.edu

Registration Fee and Link

Paper presentation : Rs. 750 /-

Participation only:

Faculty : Rs. 200 /-

Students : Rs. 100 /-

Participants who present papers in the conference will receive printed certificates.

Registration link

<https://erp.loyolacollege.edu/loyolaonline/conference/loginManager/youlogin.jsp>

Web link

<https://loyolacollege.edu/ICRTAM2022>

Important Dates

Last date for submitting abstract - 20/12/2021

Notification of acceptance for oral presentation - 30/12/2021

Last date for submitting full paper - 03/01/2022

Last date for registration - 15/01/2022

Notification of acceptance for publication - 05/02/2022

Contact Details

Dr. M. Arockiaraj - +91 9840298901

Dr. Charles Robert Kenneth - +91 9962083779

e-mail : icrtam2022@loyolacollege.edu

The conference was organized by the Department (both Shift-1 and Shift-2) through virtual platform. Dr. D. Antony Xavier, Head of the Department was the convener and **Dr. J. Janet Sheeba**, Coordinator of the Department was the Co-convener of the conference. The faculty members served as Joint secretaries in various core committees of the conference.

PERFORMANCES OF THE FACULTY MEMBERS

The faculty members of the department were dedicative and intellectual. In addition to the regular teaching, our faculty members also performed well in various aspects. Some of them are given below.

Ph.D. Guided

1. Under the guidance of **Dr. T. Bharathi**, Ph.D. was awarded to Mr. S. Sampath Raj on 15th April 2021.

Resource persons/Chairpersons/etc.

1. **Dr. T. Bharathi** served as the resource person of National Level Webinar on Fuzzy Mathematics – Applications & E-Resources at D. G. Vaishnav College, Arumbakkam, Chennai – 106 on 3rd April 2021.
2. **Dr. S. Iruthaya Raj** was the resource person of the Webinar on “Research in fixed point theory” organized by Department of Mathematics, Idhaya College for Women, Sarugani, Sivagangai on 15 June 2021.
3. **Dr. T. Bharathi** served as the resource person of Online Faculty Orientation on (Learning Outcome Based Curriculum Framework) for the School of Mathematical and Computational Sciences, Holy Cross College (Autonomous), Tiruchirappalli, 19th August 2021.
4. **Prof. F. R. Emmanuel** served as the resource person of the “Faculty Development Programme on Learning Outcome based Curriculum Framework (LOCF)-Series-1” organized by Stella Matutina College of Education, Chennai-83 on 4th October 2021.
5. **Prof. F. R. Emmanuel** served as the resource person of the “Faculty Development Programme on Learning Outcome based Curriculum Framework (LOCF)-Series-2” organized by Stella Matutina College of Education, Chennai-83 on 26th October 2021.
6. **Dr. J. Geno Kadwin** was the resource person of the Guest lecture on “Geometric aspects of Real Analysis and its Applications” organized by Sacred Heart College of Arts and Science, Dindigul on 28th October 2021.
7. **Dr. T. Bharathi** was the resource person of “Applications of Mathematics and E-resources & A basic introduction to Algebra”, at Thiruthangal Nadar College, Chennai on 30th October 2021.
8. **Dr. S. Iruthaya Raj** was the resource person and delivered a talk on “Wonders of Numbers” in the inauguration of PG Mathematics Association, Seethalakshmi Achi College for Women, Pallathur-630107, Sivagangai on 24th November 2021.
9. **Dr. J. Janet Sheeba** served as the resource person of the guest lecture programme on “An overview of Differential Equations” organized by Department of Mathematics, Mar Gregorios College of Arts and Science on 1st February 2022.

10. **Dr. T. Bharathi** served as the resource person of Faculty Development programme on “Course Mapping” at Stella Maris College, Chennai on 5th March 2022.
11. **Dr. S. Iruthaya Raj** and **Dr. J. Geno Kadwin** served as resource persons of “Training Session on Aptitude Skills” organized by the Department of Computer Science, Loyola College, Chennai-34 on 28 and 29 March 2022.
12. **Dr. J. Geno Kadwin** served as resource persons of “Training Session on Aptitude Skills” organized by the Department of Computer Science, Loyola College, Chennai-34 on 28 and 29 March 2022.
13. **Dr. S. Iruthaya Raj** served as a resource person of “Workshop on LATEX”, organized by the PG Department of Mathematics, Loyola College, Vettavalam, Thiruvannamalai-606754, Tamil Nadu on 11th April 2022.
14. **Dr. S. Iruthaya Raj** served as the resource person of the “Guest Lecture on Fundamentals of Mathematics”, organized by the PG Department of Mathematics, Loyola College, Vettavalam, Thiruvannamalai-606754, Tamil Nadu on 12th April 2022.
15. **Dr. T. Bharathi** was the Facilitator of PEO, PO & PSO Restructuring of PG syllabus – 2022, School of Computational Sciences, Loyola College, Chennai, 22nd April 2022.
16. **Dr. J. Janet Sheeba** delivered a talk on "Organic Farming and its Health Benefits" in Enactus Club of LOYOLA – SIFE on 27th April 2022.
17. **Dr. T. Bharathi** served as a Chairperson in International Conference on Recent strategies in Mathematics and Statistics (ICRSMS 2022) organized by Department Of Mathematics, Stella Maris College, Chennai in Collaboration With Department Of Mathematics, Indian Institute Of Technology, Madras (IITM), Chennai on 20th May 2022.
18. **Dr. S. Iruthaya Raj** was the Quiz Master of “Aleph-Nought”, an intra-class Mathematics Quiz Competition for the Second year students of B.Sc. Mathematics (Shift-II), conducted by the Loyola Mathematics Association Shift 2, on 23rd May 2022.
19. **Dr. S. Iruthaya Raj** was the Quiz Master of “Directrix”, an intra-class Mathematics Quiz Competition for the of First year students of B.Sc. Mathematics (Shift-II), conducted by the Loyola Mathematics Association Shift 2, on 24th May 2022.
20. **Prof. D. Kumanan** and **Dr. J. Geno Kadwin** were the Chairpersons of “Mandelbrot”, an intra-class Mathematics paper presentation competition for the Third year students of B.Sc. Mathematics (Shift-II), conducted by the Loyola Mathematics Association Shift 2, on 24th May 2022.

21. **Prof. F. R. Emmanuel** served as the resource person of the “Learning Outcome based Curriculum Framework (LOCF) Faculty Development Programme” organized by Stella Matutina College of Education, Chennai-83 on 16th June 2022.

Programmes organized/Committee members/etc.

1. **Dr. S. Iruthaya Raj** was an Advisory committee member of the online “National conference on Mathematical Analysis and Computing (NCMAC-2021)” organized by Department of Mathematics, Sree Sevugan Annamalai College, Devakottai, Sivagangai-630303 on 28 May, 2021.
2. **Dr. S. Iruthaya Raj** and **Dr. J. Geno Kadwin** were the Conveners of the online “Workshop on Mathematical Analysis (MATANA 2021)” organized for PG students, Research scholars, Young College Teachers of Mathematics, organized by Department of Mathematics (Shift-II), Loyola College, Chennai-600034 during 13–18 September, 2021.
3. Dr. S. Little Joice, **Dr. T. Bharathi**, **Dr. S. Ruth Julie Kavitha** and **Dr. S. Maria Jesu Raja** were the conveners of the “Webinar on Discrete Mathematics” organized by Department of Mathematics, Loyola College, Chennai-600034 on 15th September 2021.
4. **Prof. F. R. Emmanuel** and **Prof. A. Christopher** were the conveners of the “Webinar on Linear Algebra” organized by Department of Mathematics, Loyola College, Chennai-600034 during 28th and 29th October 2021.
5. **Dr. J. Janet Sheeba** was the Co-convenor of the “International Conference on Recent Trends in Applied Mathematics (ICRTAM 2022)” organized by Department of Mathematics, Loyola College, Chennai-600034 on 3rd and 4th March 2022.
6. **Dr. T. Bharathi** was a Joint Secretary of Scientific Committee of the “International Conference on Recent Trends in Applied Mathematics (ICRTAM 2022)” organized by Department of Mathematics, Loyola College, Chennai-600034 on 3rd and 4th March 2022.
7. **Dr. S. Ruth Julie Kavitha** was a Joint Secretary of Program Committee of the “International Conference on Recent Trends in Applied Mathematics (ICRTAM 2022)” organized by Department of Mathematics, Loyola College, Chennai-600034 on 3rd and 4th March 2022.
8. **Dr. S. Iruthaya Raj** and **Dr. J. Geno Kadwin** were Joint Secretaries of Technical Committee of the “International Conference on Recent Trends in Applied Mathematics (ICRTAM 2022)” organized by Department of Mathematics, Loyola College, Chennai-600034 on 3rd and 4th March 2022.

9. **Prof. F. R. Emmanuel** and **Prof. A. Christopher** were Joint Secretaries of Registration Committee of the “International Conference on Recent Trends in Applied Mathematics (ICRTAM 2022)” organized by Department of Mathematics, Loyola College, Chennai-600034 on 3rd and 4th March 2022.
10. **Prof. D. Kumanan** was the Joint Secretary of Public Relations Committee of the “International Conference on Recent Trends in Applied Mathematics (ICRTAM 2022)” organized by Department of Mathematics, Loyola College, Chennai-600034 on 3rd and 4th March 2022.

Member of Board of studies/External examiner/etc.

1. **Prof. F. R. Emmanuel** was a member of the Board of studies of Stella Matutina College of Education, Chennai-83 on 11th January 2022.
2. **Dr. T. Bharathi** was the Facilitator of PEO, PO & PSO Restructuring PG – 2022, School of Computational Sciences, Loyola College, Chennai, 22nd April 2022.
3. **Dr. T. Bharathi** was the external examiner at Meenakshi Academy of Higher Education & Research (Ref. No. MAHER / COE - 144 / 2022, Date: 04.05.2022), for “Quantitative Aptitude” on 18th May 2022.
4. **Dr. J. Janet Sheeba** was the external Examiner of University Mathematical Statistics Practical Viva-Voce Examination at Mar Gregorios College of Arts & Science, Chennai on 27th May 2022.

Research publications

1. **T. Bharathi** and P. Ashwini Sibiya Rani, “A Study on Pythagorean Fuzzy Coloring Graph”, *Advances in Mathematics: Scientific Journal*, vol 10, no. 1, pp. 129–136 (2021). ISSN: 1857-8365, (Scopus Indexed).
2. **Bharathi, T.**, Antony Vinoth, S., & Leo, S. Fuzzy Radio Reciprocal L – Labeling on certain Chemical Graphs. *Indian Journal of Science and Technology*, vol 14, no. 27, pp. 2284-2292 (2021). (WEB of Science). DOI Number : 10.17485/ijst
3. **T. Bharathi**, S. Felixia, Fuzzy Proper Bimagic Labeling on Tadpole Graph, *Journal of computational mathematica*, Vol: 5, No.1, 117 – 122, 2021. (Scopus Indexed: 2019-2020) DOI Number : 10.26524.
4. **T. Bharathi**, Jeya Rowena and P. Ashwini Sibiya Rani, “Fuzzy Square Difference Labeling of Some Graphs”, *Journal of computational mathematica*, Vol: 5, No.1, 70 – 75, 2021. (Scopus Indexed: 2019-2020) 21.
5. **Bharathi T**, Leo S. (2021) A Study on Plithogenic Product Fuzzy Graphs with Application in Social network. *Indian Journal of Science and Technology*. 14(40): 3051-3063. <https://doi.org/10.17485/IJST/v14i40.1298> (Web of Science).

6. **Bharathi. T**, Felixia. S (2021) Bipolar Felicitous Fuzzy Graphs, AIP Conference Proceedings, 2385, 130031, <https://aip.scitation.org/doi/abs/10.1063/5.0071535> (Scopus Indexed).
7. **T. Bharathi**, P. Ashwini Sibiya Rani, Chromatic Excellence in Pythagorean Fuzzy Graphs. Design Engineering, 8, 8218-8223, 2021. <http://www.thedesigengineering.com/index.php/DE/article/view/7928> (Scopus Indexed).
8. M. Arockiaraj, S. Prabhu, M. Arulperumjothi, **S.R.J. Kavitha**, K. Balasubramanian, Topological Characterization of Hexagonal and Rectangular Tessellations Of Kekulenes As Traps For Toxic Heavy Metal Ions, Theor. Chem. Acc. (2021) 140: 43.
9. **S. Ruth Julie Kavitha**, Jessie Abraham, Micheal Arockiaraj, Joseph Jency, and Krishnan Balasubramanian, Topological Characterization and Graph Entropies of Tessellations of Kekulene Structures: Existence of Isentropic Structures and Applications to Thermochemistry, Nuclear Magnetic Resonance, and Electron Spin Resonance, J. Phys. Chem. A 2021, 125, 8140–8158.
10. **Bharathi. T** and Felixia. S, "Intuitionistics Felicitous Fuzzy Graph", Communications in Mathematics and Applications, 14(3), 2022, 78-87. (Web of Science).
11. **Bharathi. T** and Felixia. S, "Matrix Representations of Felicitous Fuzzy Graph", Communications in Mathematics and Applications, 14(7), 2022, 45-57. (Web of Science)
12. D. Balraj, **J. Geno Kadwin**, M. Marudai, Existence of best proximity points satisfying two constraint inequalities, Asian European Journal of Mathematics, 2022 (In Press).
13. Jessie Abraham, Micheal Arockiaraj, Joseph Jency, **S. Ruth Julie Kavitha**, Krishnan Balasubramanian, Graph entropies, enumeration of circuits, walks and topological properties of three classes of isorecticular metal organic frameworks, Journal of Mathematical Chemistry (2022) 60:695–732.

Paper presentations

1. **S. Iruthaya Raj**, presented a paper titled *Fixed point results for generalized $\alpha - \psi - \phi - F$ contractive mappings in quasi-b-metric-like spaces* in “International Conference on Recent Trends in Applied Mathematics (ICRTAM 2022)”, organized by Department of Mathematics, Loyola College, Chennai-600034 on 3 and 4, March 2022.
2. **S. Iruthaya Raj**, presented a paper on *Some fixed point results of set valued mappings in generalized metric spaces* in “International Conference on Recent Trends in Applied Mathematics (ICRTAM 2022)”, organized by Department of Mathematics, Loyola College, Chennai-600034 on 3 and 4, March 2022.

3. **S. Iruthaya Raj**, presented a paper titled *Semi metrics and quasi fixed points in “International Conference on Recent Trends in Applied Mathematics (ICRTAM 2022)”* organized by the Department of Mathematics, Loyola College, Chennai-600034 on 3 and 4, March 2022.
4. **J. Geno Kadwin**, presented a paper on *Fixed point results for generalized $\alpha - \psi - \varphi - F$ contractive mappings in quasi-b-metric-like spaces* in “International Conference on Recent Trends in Applied Mathematics (ICRTAM 2022)” organized by Department of Mathematics, Loyola College, Chennai-600034 on 3 and 4, March 2022.

Participation in FDP/Refresher courses/Conferences/Workshops/etc.

1. **Prof. A. Christopher** participated in “Online National Workshop on Recent Trends in Domination and Graph labelling (RTDGL 2021) in Ramanujan College & ADMA during 27 – 31 May 2021.
2. **Prof. D. Kumanan** completed an “Online Two-week Refresher Course in Mathematical Sciences” organized by Teaching learning centre, Ramanujan College, University of Delhi during 14 – 28 June 2021.
3. **Dr. T. Bharathi** participated in the National Workshop on OPEN BOARD, SMART NOTEBOOK & MICROSOFT MATH at D. G. Vaishnav College (Autonomous), Chennai in June 2021.
4. **Dr. S. Iruthaya Raj**, participated in “International Virtual Faculty Development Program on Global Vision for Academic Excellence” organized by School of Social Work, Roshni Nilaya (Autonomous), Mangaluru, Karnataka, South India during 5 – 11 July, 2021.
5. **Prof. D. Kumanan**, participated in “Online one week Faculty Development Programme on Outcome based Education”, organized by Teaching learning centre, Ramanujan College, University of Delhi, from 15 – 21 July 2021.
6. **Prof. A. Christopher** participated in “Online International Workshop on Domination in Graphs, organized by IIT Ropar & ADMA during 14 – 16 November 2021.
7. **Dr. T. Bharathi** participated in the programme on “Best Practices in Hosting Online Video Lectures” organized by Educational Multimedia Research Centre (EMRC), Anna University, Chennai in April 2022.

RESPONSIBILITIES OF FACULTY MEMBERS IN LOYOLA **(IN THE ACADEMIC YEAR 2021-2022)**

1. **Dr. T. Bharathi** was a trainer of Loyola Learning Management System (LLMS), Loyola College, Chennai.
2. **Dr. T. Bharathi** was the Loyola LOCF OBE mentor of School of Computational Sciences, Loyola College, Chennai.
3. **Dr. T. Bharathi** was a member of Loyola Edu Tech (LET) team, Loyola College, Chennai.
4. **Dr. S. Iruthaya Raj** was the Faculty advisor of the Loyola Brass Band (Shift-2), Loyola College, Chennai.
5. **Dr. S. Iruthaya Raj** was an Assistant director of Loyola Men's Hostel.
6. **Dr. S. Iruthaya Raj** was a Trainer in Aptitude in the online Summer Camp 2021 "A Summer Camp for Dalits and Poor Students" conducted by Loyola Students Support Service (LSSS) from 12th to 26th June 2021.
7. **Prof. F. R. Emmanuel** was the Faculty Advisor, Loyola Enviro Club (Shift-2), Loyola College, Chennai.
8. **Prof. F. R. Emmanuel** was the Start-up Activity Coordinator, Loyola Institutions Innovation Council (LIIC), Loyola College, Chennai.
9. **Dr. J. Geno Kadwin** was a Trainer in Aptitude in the online Summer Camp 2021 "A Summer Camp for Dalits and Poor Students" conducted by Loyola Students Support Service (LSSS) from 12th to 26th June 2021.
10. **Dr. S. Maria Jesu Raja** was an Assistant director of Loyola Men's Hostel.

