

Annual Report 2019 – 2020

National Workshop on R Programming – July 6th 2019

The National workshop on R Programming was organized by Department of Mathematics, during 6th July 2019. The total number of participants from Academia and Industry is 54. The topics covered were Data File – Creation and Editing data, Charts, Reports and Reliability Analysis of the Data, Uni-variate Analysis: Execution, Discussion; Results, Measures of Central Tendency, Measures of Dispersion, Kurtosis, Analysis of Distribution functions- Normal, Binomial. Testing of Hypothesis, Independent Sample t-test and t-test. F- Test, Chi-square test-Discussion and Results, Regression, Multiple Regression and Correlation Analysis followed by Hands-on training at the end of each session.

The Resource persons were Dr G. Kumarapandiyam, Assistant Professor, Madras Christian College (MCC) and Dr R. Amala, Assistant Professor, JIPMER, Pondicherry



Dr. Usha George, Principal, Patrician College of Arts and Science, felicitating the gathering



Dr. Fatima Vasanth, Academic Director, Patrician College of Arts and Science honoring the Resource person Dr. G. Kumarapandiyan, Assistant Professor, Madras Christian College



Mathematics Department faculty with the Resource Person Dr. G. Kumarapandiyan



Participants from various Colleges for the National Workshop on R Programming

Entrepreneurship Development Programme (EDP) by NSIC & Ministry of Science and Technology from 03/ Oct/2019 to 05/Oct/ 2019

Students from the Department of Mathematics actively participated in the Entrepreneurship Development Programme (EDP) was organised by NSIC & Ministry of Science and Technology from 03/ Oct/2019 to 05/Oct/ 2019. There was an industrial visit on 03/Oct/2019 to NSIC Regional office at Ekkatuthangal, Chennai followed by a visit to Automobile industries located at Ambattur, Chennai. The following two days there was a training programme on Entrepreneurship and its advantages, various schemes that can be availed from the government to become an entrepreneur and how to avail loan from banks to establish a startup.

List of students who participated in the training Programme:

S. No.	Name of the Student	Degree	Year
1	KARAN G	B.Sc. Mathematics	I
2	KEVIN ROSHAN J	B.Sc. Mathematics	I
3	PRABAKARAN J	B.Sc. Mathematics	I
4	MANAKKAVU GANESHWAR M	B.Sc. Mathematics	I
5	PRIYANKA GRACE V	B.Sc. Mathematics	I
6	CHARUMATHI P	B.Sc. Mathematics	II
7	DEEPIKA N	B.Sc. Mathematics	II
8	GOWTHAMAN A	B.Sc. Mathematics	II
9	HARISH VISWA S	B.Sc. Mathematics	II
10	IRISH MCMILAN M	B.Sc. Mathematics	II
11	NAVEEN KUMAR M	B.Sc. Mathematics	II
12	SNEHA S	B.Sc. Mathematics	II
13	POOVARASAN J	B.Sc. Mathematics	II
14	GOKUL K	B.Sc. Mathematics	II
15	KISHORE K. S.	B.Sc. Mathematics	II
16	DEEPIKA S	B.Sc. Mathematics	III
17	PAVITHRA K	B.Sc. Mathematics	III
18	DURGA K	B.Sc. Mathematics	III
19	PAVITHRA A	B.Sc. Mathematics	III
20	SIVASRI M	B.Sc. Mathematics	III
21	RAM KUMAR K	B.Sc. Mathematics	III
22	RAKESH SHARMA M	B.Sc. Mathematics	III
23	DHARSHNI R	B.Sc. Mathematics	III



Student participants from the Department of Mathematics along with Dr. Unika David, PCEC coordinator



Student participants from the Department of Mathematics during training programme on Entrepreneurship



Student participants from the Department of Mathematics attending a lecture at NSIC Regional office at Ekkaduthangal, Chennai

Seminar on Actuarial Profession and Career Opportunities:

A seminar on Actuarial Profession and Career Opportunities was conducted by Institute of Actuaries of India, a statutory body established under The Actuaries Act 2006 (35 of 2006) for regulation of profession of Actuaries in India on 17/Dec/2019. The seminar aimed to provide students with exposure to the actuarial profession and its career prospects. The seminar was conducted by Industry professionals who enlightened the students on the actuarial profession.

The Resource person for the day was Mr Chandra Shekhar Dwivedi, a qualified Actuary with specialization in Health Insurance and also a Fellow of Insurance Institute of India in General Insurance. He has 27 years of managerial experience and 4 years in Actuarial Function of Insurance Company.



Mr. Chandra Shekhar Dwivedi, Actuary, Institute of Actuaries of India (IAI) addressing the gathering on career prospects



Mr. Chandra Shekhar Dwivedi, Actuary, briefs about the Institute of Actuaries of India (IAI)



Mr. Chandra Shekhar Dwivedi, Actuary, Institute of Actuaries of India (IAI) responds the queries of students on how to become an Actuary

Mathrythm 2k19- An Inter-departmental competition:

The Ramanujan Mathematics association of our department named after the mathematics genius Ramanujan started the academic year 2019-2020 with full enthusiasm in bringing out the hidden potential from the students of our department and other departments of our college. As part of the Ramanujan Association activities, the department conducted events like Quiz, Connections, Logo Designing and Math song on 17/Dec/2019 at the inter-department level. Students from various departments actively participated and won laurels.



Students participating in the inter departmental Quiz



Students participating in the inter departmental Connections

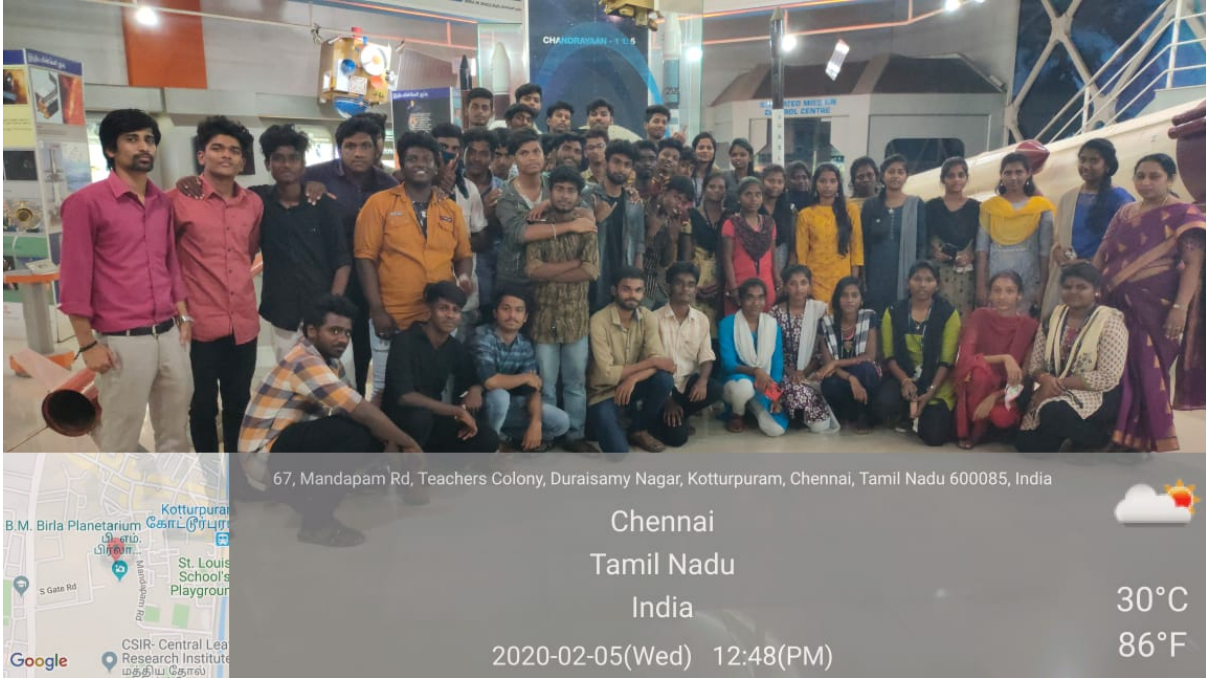
On 18th December 2019, the Ramanujan Mathematics association celebrated National Mathematics Day. Instead of 22 December, which was a holiday, the day was observed on 18th December 2019 to commemorate the 132nd birth anniversary of great Indian Mathematician Srinivasa Ramanujan. Dr C. Vijayalakshmi, Professor, School of Advanced Studies in Mathematics, VIT, Chennai was the resource person for the day, and her presentation was on “Optimization Techniques”.



Dr. C. Vijayalakshmi, Professor, School of Advanced Studies in Mathematics, VIT Chennai addressing the gathering

INDUSTRIAL VISIT

In partial fulfillment of the Curriculum, the department of Mathematics organised an Industrial Visit for the first and second year students to Birla Planetarium on 05/ Feb/ 2020 to enhance and enrich the knowledge about Astronomy with relevance to their field of study in mathematics. A total of 58 students and 3 faculty members were part of the Industrial Visit.



Group photo of students visiting Birla Planetarium, Chennai



Students visiting Birla Planetarium, Chennai

Certificate course on Introduction to LaTeX:

A certificate course on Introduction to LaTeX was conducted by the Department of Mathematics from 05/Dec/2019 to 01/Feb/2020 for 30 hours. The course aimed to provide students with exposure to typesetting journal articles, technical reports, books, and slide presentations. A total of 56 students benefited from the course.



Students during a Hands-on training session of the course on Introduction to LaTeX

As part of hands-on training and as a welcome relief from strenuous academic work, the final year students went on a study tour to **COCHIN, MUNNAR, WONDERLA** between 17-02-2020 to 21-02-2020



Group Photo of students at COCHIN FORT



Group Photo of students at MUNNAR ECHO POINT



Group Photo of students at WONDERLA (COCHIN)

Workshop on Preparation Tips and Tricks for Higher Education in Mathematics

A workshop on “Preparation Tips and Tricks for Higher Education in Mathematics” was organized by the Department of Mathematics on 28th February 2020. The day had four sessions. The Resource person for the first session Dr Ramesh Kasilingam, Assistant Professor, Department of Mathematics, IIT Madras enlightened the participants with various opportunities for Mathematics students. Also, he gave a lecture on the topic “Some results on Hyperbolic Geometry”.

The second session was conducted by Mr B Sivashankar, IIT Madras. Mr B Sivashankar shared his valuable experience in cracking examinations like NBHM and entrance examinations of premier Institutions. He solved many problems in Algebra. Participants were get benefitted through the session.

Dr R Rajaji, Assistant Professor, Department of Mathematics, Patrician College of Arts and Science handled the third session. He explained the basic concepts of real Analysis in an easy manner and solved many problems in Real Analysis.

A total of 31 participants from various colleges and 40 participants from Patrician College of Arts and Science had registered and attended the workshop. In the end, students of the department of Mathematics conducted games like Connections and

Treasure hunt using mathematical techniques, to refresh the minds of the Participants and cash prizes were awarded to the winners of the games.



Dr. Usha George, Principal, Patrician College of Arts and Science, felicitating the gathering



Mr. S. Sriram, Associate Professor, Patrician College welcoming the gathering



Dr. Ramesh Kasilingam, Assistant Professor, Department of Mathematics, IIT Madras enlightened the participants on Hyperbolic Geometry



Mr.B.Sivashankar, IIT Madras shared his valuable experience on cracking examinations like NBHM