

## POST GRADUATE AND RESEARCH DEPARTMENT OF MATHEMATICS

### ANNUAL REPORT- 2021-2022

The post Graduate and Research Department of Mathematics has recorded consistent improvement in its academic and research during the academic year 2021-2022.

#### The highlights of the year as follows:

##### Conferences:

The aim of conducting conference is to provide an excellent international forum for academicians researchers and research scholars to exchange and share their experiences and research results about all aspects of Mathematics . In this regard a National conference was conducted by the Department on the topic “**Contemporary Mathematics and Applications**” from **20<sup>th</sup> October to 23<sup>rd</sup> October 2021** in the hybrid mode. The theme of the conference embraces Mathematical Modelling, Fuzzy sets, Theoretical computer science, Soft computing and Number theory and Cryptography. Conference includes contributions from the invited speakers and paper presentation sessions by the delegates.

Distinguished resource person like Dr. Nishchal K. Verma, Professor, Department of Electrical Engineering, IIIT Kanpur, India, Dr. Balasubramanian, Retired Professor, Former Head,

The Institute of Mathematical Sciences, Chennai, Dr. Kusumdeep, Professor, Department of Mathematics Indian Institute of Technology, Roorkee, Dr. N. Sadagopan, Assistant Professor and HOD, Department of CSE, III-T, Design and Manufacturing, Kancheepuram, Dr. Pankaj Srivastava, Professor, Formerly Head, Department of Mathematics M.N. National Institute of Technology, Prayagraj gave the talk related to the title of the conferences.

##### Workshop:

To allow the students to learn new math content, and to practice math strategies in a variety of ways workshops were organized by the Post Graduate and research Department of Mathematics. In this connection two workshops were conducted.

- A three day workshop on “Open board, Smart Notebook and Microsoft Math from 14<sup>th</sup> June 2021 to 16<sup>th</sup> June 2021 to enhance the virtual teaching and interactive lessons.
- A two days National level workshop on Sage Math for Calculus was organized by the Post Graduate and Research Department of Mathematics on 5<sup>th</sup> and 6<sup>th</sup> August 2021 to explore and experiment with mathematical constructions in calculus using a Sagemath software by the resource person **Dr. P.A. Venkatesh**, Adjunct Professor, IIIT-B, India, Professor of Mathematics & Computer Science, Myanmar Institute of Information Technology, Mandalay, Myanmar

##### Faculty Development Programme:

The Faculty development program is a critical factor towards building the strong foundation of an educational system to ensure quality education.

- Three days Faculty Development Programme on “Effective Course Design for Mathematics” was organized by the Post graduate and Research Department of Mathematics from 22<sup>nd</sup> July 2021 to 24<sup>th</sup> July 2021. Dr. Selvakumar Kandasamy founder and CEO of Viveka Sadhana Learning Management system was the Resource person .

## **Webinars:**

The Department took a major role in the conduct of Webinars on Pure and Applied mathematics to give the students an in depth exposure to Mathematics. In this regard 17 webinars were conducted by the department with eminent resource person.

## **Brahmaganith – Mathematics Club:**

The main motto of this club is to enhance the competencies of Mathematical temperament and to bring the hidden talents to light. Under this club many activities were conducted.

- **National Mathematics Day:**

As a part of Brahmaganith , Mathematics club of DDGD Vaishnavcollege, Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai, Organized a National Mathematics day commemorating Sri. Srinivasa Ramanujan's 134<sup>th</sup> Birthday anniversary. The Mathematics day was celebrated with objective of creating awareness among students about the importance and applications of Mathematics in day to day life and also to kindle students interest in studying the higher Mathematics. The event took place in Vallabacharya Auditorium in hybrid mode

- **Annual Meet – Mathcipher and Mathsophoria :**

To enhance multiple skills and play an integral role in the collegiate experience, the department has Organized an annual Interdepartmental and inter collegiate event Mathsophoria and Mathcipher 2022 under the Mathematics club Brahmaganith.

Various Inter departmental Mathematical events like Adzap, Shipwreck, IPL auction, Channel surfing, Scavengers hunt, mime, Debate, photography, standup comedy, sherlock holmes were conducted by the UG and PG students of Mathematics in the Main Auditorium . Students from various department participated with great enthusiasm. Finally prizes were distributed to the winners. The overall trophy was bagged by B.Com Bank Management department.

On the second day various Inter collegiate Mathematical events like Math Quiz, Math Relay, Math  $\pi$  rates, Sherlock Holmes, Paper Presentation, IPL Auction, Math Tunes, Math Modelling, Poster Presentation, Data Hunt were conducted by the UG and PG students of Mathematics in the Main Auditorium . Students from various colleges participated with great zeal and interest. Finally prizes were distributed to the winners. The overall trophy was bagged by Ramanujan Institute of Advanced Study in Mathematics.

- **The department released annual News letter “Mathphile -2022”**

## **Career Guidance Program**

- ❖ Department of Mathematics conducted a career guidance program on 18<sup>th</sup> April 2022 for the UG students of Department of Mathematics. During the session the speaker educated the students first in terms of their interests and abilities and what do they expect from their education and career. The speaker spoke about the abroad education and the existing facilities. At the end of the session, the speaker answered all the queries of students on career and educational options available.
- ❖ Mr. Bhaskar, CEO, IBS training and Education and EDX training and Education gave a lecture about career guidance and internship on 5<sup>th</sup> May 2022.

## Outreach programme:

As a part of Department activities, department reached yet another milestone of celebrating the Margazhi Maha Utsav from 3<sup>rd</sup> January to 8<sup>th</sup> January 2022 in the online mode.

Department Organized one week celebration of Margazhi maha utsav “Alzhwargal Amudhu - to gain the spiritual knowledge. Eminent speaker/Upanyasakar gave discourse on Azhwars in a more comprehensible way. This programme witnessed a resounding success.

## Gallery:



**MATHCIPHER 2K22**



**MATHSOPHORIA 2K22**

