Dwaraka Doss Goverdhan Doss Vaishnav College, (Autonomous)



Affiliated to Madras University.
Chennai 600 106.
Reaccredited with A++ by NAAC
College with Potential for Excellence,
Linguistic Minority Institution.





PG & RESEARCH DEPARTMENT OF MATHEMATICS





MATHPHILE

Department

Department of Mathematics was established in the year 1964 during the inception of the institution. The university of Madras upgraded the department to the postgraduate status in the year 1980. M. Phil course was introduced from the year 2001. In 2022 the Department was recognized to offer PhD course in Mathematics. Department has highly qualified faculty members actively engaged in teaching, research and continuing educational programs. By conducting seminars, conferences, webinars, workshops regularly, the department is providing the much-needed exposure to the students for learning as well doing research. The courses offered by the department enable students to prepare themselves to face the demands of the society and enable them to succeed as professionals in their respective domain. The Department has energetic and dedicated faculty members who actively involved in research areas like Complex Analysis, Number Theory Mathematical Analysis, Fuzzy Sets, Fuzzy Optimization, Petri nets, Information Security, Differential equations, Wavelets and Numerical Methods.

Vision

The vision of the department is to promote and support a comprehensive, innovative, and dynamic learning environment to assist students in acquiring a conceptual understanding of the nature and structure of Mathematics, its processes and applications.

Mission

To establish an atmosphere of creative endeavor that supports interdisciplinary collaborations, innovative projects, significant research, and informal discussions that mutually benefit students, faculty and the community at large.

"P@S5W0RD" GENERATION / CREATION MATHEMATICAL APPROACH AND ANALYSIS

Dr. S. Vaithyasubramanian, Assistant Professor, Department Of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.

The highly informative session on 22-07-2022 emphasised the importance of Password in information security and how passwords can be created mathematically. Various hashing techniques were discussed and students were taught to create strong password using CFG.



"WAR STRATEGY AND LEADERSHIP QUALITIES IN MAHABHARAT"

Lt G Somasundara Ori, Assistant Professor, Department Of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.

The speaker through his remarkable words on 29-07-2022 explained the key points that will lead to the accomplishment of our goals. The ideology behind the Chakravyuha was presented. The students were well informed about leadership skills.



CORPORATE COMMUNICATION

Lt. Dr P. Arularasan, Assistant Professor, Department Of Physics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.

The speaker explained two types of communication – Verbal and non-verbal communication on 10-08-2022. The barriers that we face during communicating and tips to overcome them were discussed making the students understand that communication plays an important role in this corporate world.



"MEDIA AND ETHICS"

Prof G. Vasanth, Head Of Visual Communication Department, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.

The informative session on 26-08-2022 let the students to learn about the competition between media channels and their tactics towards society. Media ethics which is reliable in daily basis of mass media communication was discussed.



"APPLICATIONS OF MATHEMATICS IN ORGANIC CHEMISTRY -HUCKEL'S THEORY"

Mr. A. GOPALAKRISHNAN Assistant professor, Department of chemistry, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.

The speaker on 16-09-2022 gave elementary ideas about organic chemistry and stressed the fact that Huckel's theory of atoms can be arrived only by the mathematical techniques.



"MONEY MANAGEMENT SKILLS – ANALYSE, CALCULATE, IMPROVISE"

Dr. Kavitha Menon, Head of Accounting & Finance Department, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.

On 23-09-2022 The students were able to understand that savings and investment play a vital role in money management skills and also learned about its various aspects and investment theories.



"ADVANCED TECHNOLOGIES IN TEACHING AND LEARNING METHOD IN EDUCATION"

Dr.T Augustine Arul Prasad, Assistant Professor, Department of Chemistry, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.

On 30-09-2022 the speaker gave clear ideas of how modern technologies are helping in today's education system. Students will be able to adapt to the modern technologies and use it to the full potential.



"SIGINIFICANCE OF STATISTICS IN RESEARCH"

Dr A G Vijayanarayanan, Assistant professor, Department of commerce, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.

The speaker explained the vitality of statistics in research and taught few mathematical methods on 07-10-2022. The Students learnt some career paths in statistics.



"AN INTRODUCTION TO VEDIC MATHEMATICS"

Dr. K SUCHITHRA, Assistant professor, Department of Mathematics, AM Jain College, Chennai.

The speaker provided the history and major uses of Vedic Mathematics on 14-10-2022. The students were able to understand how basic and complex thing in Mathematics can be easily solved in no matter of time.



"OUR COUNTRY OUR PRIDE"

Prof S Seshadrinathan, Head & Associate professor, Department of commerce, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.

The speaker provided the history and some important facts about our country on 21-10-2022. The students through this interactive session felt proud of being an Indian.



"COMMUNICATION: A GATE WAY TO EMPLOYABILITY"

Dr.K.K.LAKSHMI, Head Of Department of English, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.

The speaker explained the importance of communication and body language on 20-01-2023. The students were able to understand how body language can change the meaning of the whole sentence.



"INTRODUCTION TO INDIAN BUDGET"

Dr.S.NARAYANAN, Assistant Professor, Department of Economics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.

On 27-01-2023 the speaker mentioned the uses of Budget in our day to day life and spoke about the struggles faced by Indian government in spending money with minimum amount of interest for human welfare.



"TAMIZHUM KANITHAMUM"

Dr. P. MURUGAN, Head, Department of Tamil, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.

On 23-12-2022, the speaker apprised the quotings of Mathematics in Tamil Literatures and explained how basic and complex thing in Mathematics can be instanced in Tamil scripts.



"COMMUNICATION:A GATE WAY TO EMPLOYABILITY"

Dr.S.NARAYANAN, Assistant Professor, Department of Economics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai

On 03-02-2023 the speaker shared the budget 2023-2024 and explained the reasons behind the allocation of money. Students learnt about Indian currencies, growth of Indian economy and gained knowledge about new budget allocation.



"INVESTMENT IN CRYPTOCURRENCY - RISK TAKING ABILITIES & BEHAVIOURAL INTENSIONS OF INVESTORS"

Dr.R.SUNDARI, Assistant Professor, Department of Commerce, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.

On 09-02-2023 the speaker gave a detailed explanation about cryptocurrency. The section went more interesting with a discussion on BITCOINS.

Students learnt to deal with digital currency.

INVESTITURE CEREMONY



On 17-10-2022 the Investiture Ceremony headed by Dr. T. S.Prema, gave a wonderful speech on the role of barriers for the welfare of the Department. She also praised the department committee for making such posts and encouraging the students. Mr.Barath A S, has been selected as Secretary, Mr.Shanmuganathan M, as Joint Secretary and Ms. Nirmala Devi S as Treasurer. And Postings for cultural secretary, Editorial board, also added.









தெள்ளமுது திருப்பாவை



Speaker: 1. Shri. U.ve. Kidambi Narayanan – Upanyasakar

2. Brahmashri. Shankara Rama Dikshithar - Upanyasakar

Pooram Nakshatra is the 11th among the 27 stars. The day ruled by this star during the Tamil month of Aadi (July–August) is known as Aadi Pooram. As Pooram is the birth star of Andal, one among the 12 Alwar saints in Vaishnava tradition. Aadi pooram is also known as Andal Jayanthi, Andal is believed to be the incarnation of Goddess Lakshmi. All participants gained a spiritual knowledge and are very much benefited on 1st August 2022.





DEEKSHARAMBH – 2022-2025 batch

- The purpose of Deeksharambh Student Induction Programme is to help new students to adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration.
- The Induction program served as a strong foundation for the first-year students for beginning their three years long journey. It began with the conduction of the orientation program in the auditorium. The program began with the Principal Dr.Santhosh Baboo briefing about the college followed by many lectures organizes by the Department from various fields to enhance the students interest.

DATE	RESOURCE PERSON	TOPIC	VENUE
17-08-2022	Dr. Keerthana DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	Etiquettes and Importance of Communication	MAIN BLOCK AF:09
	Dr. A. Vijayanarayanan DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	Role of Self Motivation and Character formation towards Nation Building	MAIN BLOCK AF:09
	Dr. Mani DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	Library Orientation: Know Your Library	MAIN BLOCK AF:20
18-08-2022	Dr. Tamildurai DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	Chemistry in Everyday life	MAIN BLOCK SEMINAR HALL 1
10-00-2022	Dr. V. Nalina AGURCHAND MANMULL JAIN COLLEGE	Scope and Applications of Mathematics	MAIN BLOCK SEMINAR HALL 1
	Dr. P. T. Srinivasan DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	Application of Mathematics in Biochemistry	GYANDARSHAN AUDITORIUM
22-08-2022	Dr. C. Yuvarani DRBCCC HINDU COLLEGE	Importance and Scope of Mathematics	GYANDARSHAN AUDITORIUM
	Mr. N. Indrajith SRI MUTHUKUMARAN ARTS AND SCIENCE COLLEGE	Application of Mathematics	GYANDARSHAN AUDITORIUM
	Dr. S. Hariharan DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	Opportunities and Advanced Mathematics	MAIN BLOCK AF:09
23-08-2022	Dr. S. P. Vijayalakshmi DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	Importance of Mathematics and Extra Curricular Activities	MAIN BLOCK AF:09
24.00.2022	Dr. S. Mayilvaganan DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	Opportunities and Advanced Mathematics	MAIN BLOCK AF:09
24-08-2022	Mr. J. P. Jaideep DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	Motivational Talk	MAIN BLOCK AF:09
25-08-2022	Dr. Nandhini DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	Motivational Talk	MAIN BLOCK AF:09
	Dr. Amrutha Karayil DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	Transition from School to College	MAIN BLOCK SEMINAR HALL 1
	Dr. S. Vaithyasubramanian DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	Fun & Facts with Mathematics	GYANDARSHAN AUDITORIUM
26-08-2022	Dr. Amaleshwari DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	SWOT - Analysis	GYANDARSHAN AUDITORIUM
	Dr. P. Suresh DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	English and Communication Skills	GYANDARSHAN AUDITORIUM

Glimpses of Student Induction Program















National Mathematics Day - 2022



Speaker: 1. Dr. Kalyani Desikan, Professor, School of Advanced Sciences, VIT University, Chennai

2. Dr.R. Sundareswaran, Associate Professor, Department of Mathematics, SSN Engineering College, Chennai.

Dr. R. Sundareswaran, Associate Professor, SSN Engineering College, Chennai, gave the introduction about the Arithmetic Graphs, he enlightened about the important concepts of graph and explained the arithmetic concepts in graphs. He also communicated about the open problem in arithmetic graphs which enables the research scholars to get new idea in this field. The second speaker Dr. Kalyani Desikan, Professor, School of Advanced Sciences, VIT University, spoke about the Beauty of Mathematics, she explicated about the convention of Mathematics in our day-to-day life and elucidated about the mathematics in Nature. The session was highly informative dated on 22-12-2023.







MATHCIPHER



Chief Guest - Dr. Soundararajan, Department of Management studies, IIT, Madras.

Valedictory Chief Guest – Mr. Raja and Ms. Manju, Associate Directors.

As a part of Brahmaganith, Mathematics club of DDGD Vaishnav college, PostGraduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai, organized a Two days annual Inter collegiate event Mathcipher. The chief guest of the day, Dr. Soundararajan, Department of Management studies, Indian Institute of Technology, Madras lauded the department Mathematics club Brahmaganith and spoke about the importance of Mathematics in day to day life and its applications towards other subjects. Various Inter collegiate Mathematical events like Quiz O Quiz, Ratios, Argy-Burgy, Anuncio, Save Yourself, Think and Bid, Modus Operandi, CaptureTheNature, 221B, Fazine, Hot Seat, Mathron, Paintnetic, Time Carving, M², Paint Your Thoughts were conducted by the UG and PG students of Mathematics. The Valedictory Function was presided by Chief guest Mr. Raja and Ms. Manju, Associate Directors. The overall trophy was bagged by Ethiraj College (Shift-I) and Runner's trophy was bagged by Loyola College (Shift-II).







Glimpses Of MATHCIPHER





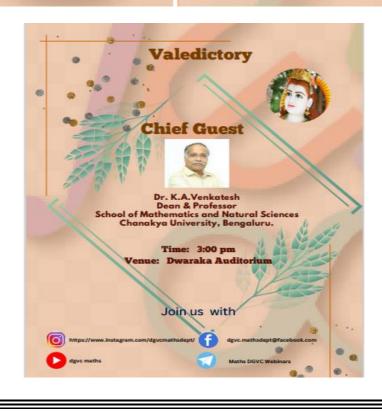






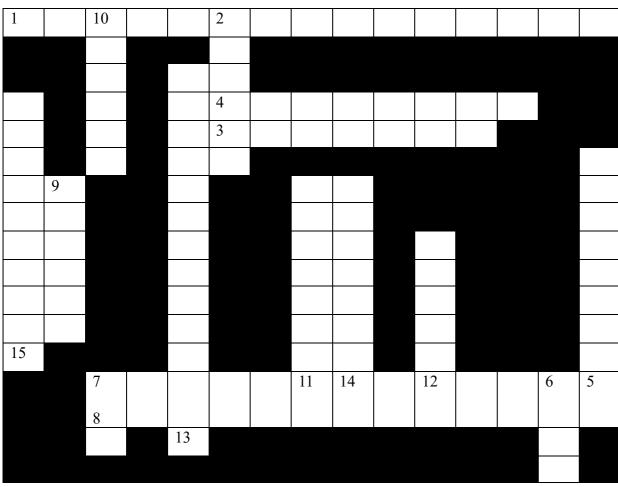
UPCOMING EVENT





Students Corner

BRAIN TWISTER



BOTTOM TO TOP

- (5) Representation of Array of elements_____
- (11) Father of calculus _
- (12) Highest derivative in a differential equation known as _____
- (13) Club name of DGVC MATHS _
- (14) A conic which has eccentricity less than 1 (e<1)
- (15) set of ordered pairs is known as _____

Credits – Yabez Vishal G S, III BSc (MPC)



CLUES

RIGHT TO LEFT

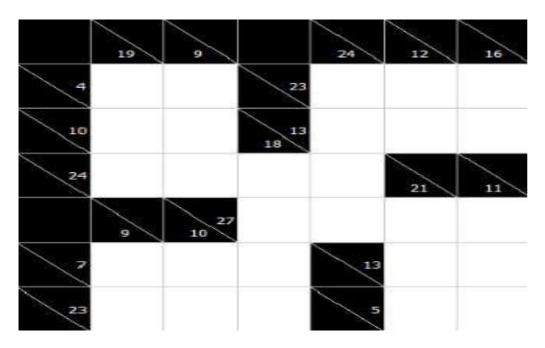
- (1) The conversion of matrix into diagonal form _____
- (3) Mathematical name for X-co ordinate _____
- (4) Algebraic Expression which has only one term _____
- (7) A quadrilateral whose opposite sides are parallel and equal in length

TOP TO BOTTOM

- (2) Straight line perpendicular to Tangent
- (6) A section of a curve _____
- (8) A two-letter irrational Number
- (9) Expression containing one (or) more irrational roots
- (10) Universal Truths that are accepted in Maths _____

Credit: Sivaranjini II B.Sc. MAN

Kakuro Puzzle

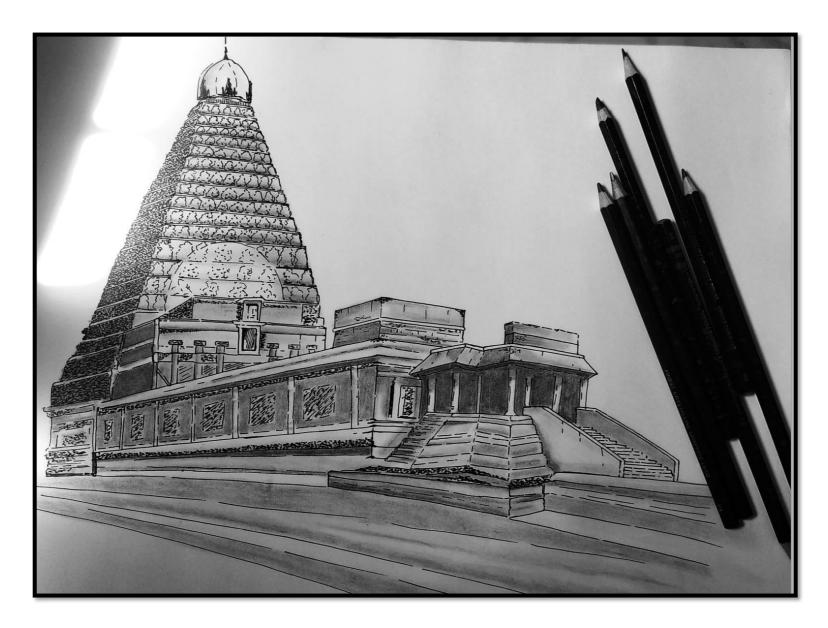


Puzzles are an opportunity for young children to explore kye early math concepts, including shapes, sizes, and how and where one puzzle piece fits with another to make pictures or designs. This type of maths involves spatial reasoning.

Like SUDOKU, solving a KAKURO PUZZLE involves investigating combinations and permutations.

The task in **KAKURO PUZZLE** is to fill all empty squares using numbers 1 to 9 so that the sums of each horizontal block equal the clue on its left and the sum of each vertical block equal the clue on its top. In addition, no number may be used in the same block more than once.

Credits – Yamini G, I Msc.



Credits – Sneka I M.Sc.



Credits - Sivaranjini II B.Sc. MAN



Credits – Sivaranjini II B.Sc. MAN

FOLLOWS US ON



DGVC MATHS



Maths DGVC Webinars



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