



KONGUNADU ARTS AND SCIENCE COLLEGE

(AUTONOMOUS)

Re-accredited by NAAC with A⁺ Grade - 4th cycle,

College of Excellence – UGC

Coimbatore - 641 029, Tamil Nadu, India



DEPARTMENT OF MATHEMATICS

Supported by

DBT STAR COLLEGE SCHEME

REPORT

Name of the Event	OUTREACH ACTIVITY - SCHOOL VISIT – BOOKS DISTRIBUTION
Date	02.09.2023
Venue of the Programme	VCV Government Higher Secondary School
Objectives of the Programme	• To ensure that students in schools have access to reading materials, which is essential for developing literacy skills. • Access to a diverse range of books encourages students to cultivate a habit of reading.
Outcome of the Programme	Books provide insights into different cultures, perspectives, and experiences. By exposing students to diverse literature, book distribution initiatives promote cultural understanding, empathy, and tolerance. Access to books empowers students to explore topics of interest independently, fostering a love for learning and self-directed education. It also cultivates a sense of agency and autonomy in their academic pursuits. Book distribution to schools can contribute significantly to educational outcomes by enriching learning experiences, fostering academic achievement, and empowering students to reach their full potential.

Report of the Programme

The Department of Mathematics distributed books to students on a SCHOOL VISIT as an OUTREACH ACTIVITY on 02.09.2023.

The activity was conducted by Dr. M. Venkatachalam, Assistant Professor and Dr. C. Ravichandran, Assistant Professor, Department of Mathematics, Kongunadu Arts and Science College. They distribute books to the students of VCV Government Higher Secondary School, Vellakinar, Coimbatore. All the students were benefitted with the books.

Distributing books to school students provides invaluable resources that foster literacy, enhance academic performance, and stimulate cognitive development. By offering access to diverse literature, these initiatives empower students, enrich their learning experiences, and cultivate a lifelong love for reading. Additionally, such programs promote cultural understanding, community engagement, and long-term educational benefits, ultimately shaping well-rounded individuals equipped for success in both academics and life.





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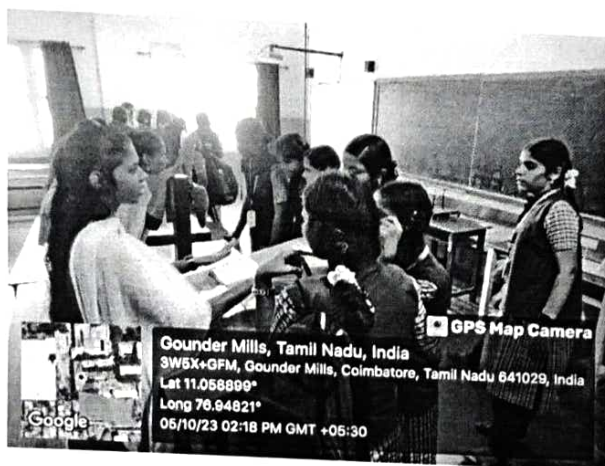
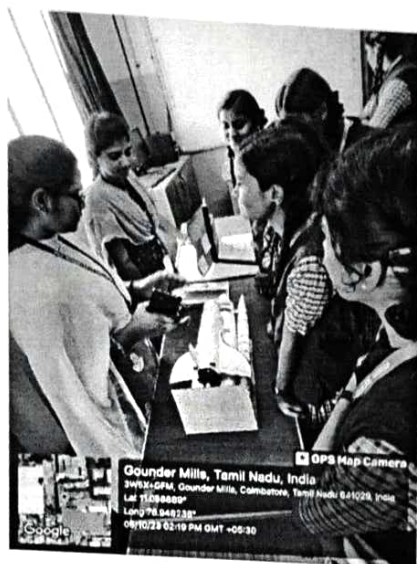
Name of the Event	MATH MODEL – SCHOOL STUDENTS VISIT
Date	05.10.2023
Time	10.00am - 4.00pm
Venue of the Programme	Department of Mathematics
Objectives of the Programme	• To create interest towards Mathematics among school students and make them learn the amazing concepts behind the mathematical formulas. • To make students eager to explore the mathematical ideas and promote higher education in Mathematics. • To educate the students about the fundamentals of Mathematics.
Outcome of the Programme	The students of Grade IX – XII from various school in Coimbatore visited the Mathematical Models displayed in the Department of Mathematics and explored the innovations. The visit made them develop creative thinking towards the subject and understand the basic concepts clearly.
Number of Beneficiaries	35 Students

Report of the Programme

The Department of Mathematics conducted MATH MODEL VISIT FOR SCHOOL STUDENTS on 05.10.2023.

Students of Grade IX, X, XI, XII of various schools such as Corporation Higher Secondary School in North Coimbatore, Selvapuram, Presentation Convent Girls Higher Secondary School, GHSS Vagai visited the department and explored the models depicted in the classrooms. The students enthusiastically visited each model and cleared their doubts with our staffs and students.

This model visit was very useful for the students as it provided the fundamental insights regarding the subject. They were able to understand the basic concepts behind the mathematical ideas in various fields. The students from the department of Mathematics explained all the models to the students.



Signature of
Department Coordinator

Dr. C. Ravichandran, M.Sc., M.Phil., Ph.D., PGDCA,
Assistant Professor of Mathematics
Department Co-ordinator, **DBT STAR COLLEGE SCHEME**
Kongunadu Arts and Science College (Autonomous)
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Signature of
Head of the Department

Dr. V. KOKILAVANI, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head,
Department of Mathematics
DEPARTMENT OF MATHEMATICS
Kongunadu Arts and Science College (Autonomous),
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SWAMI VIVEKANANDA STUDY CIRCLE & DEPARTMENT OF MATHEMATICS

Under DBT star college scheme

Celebrated

REPORT

Name of the Event	YOUTH AWAKENING DAY
Date	16.10.2023
Time	12.05 pm
Resource Person With Designation	Dr.S.Sathishkumar, Assistant professor of Tamil, Kongunadu Arts and Science College
Venue of the Programme	C-17
Objectives of the Programme	To inculcate the young minds towards nation building
Outcome of the Programme	The life of Dr. APJ Abdul Kalam serves to be a perfect example of how a human should develop into an individual and then into an influential leader
Number of Beneficiaries	65 students from various departments got benefitted

Report of the Programme

Swami Vivekananda Study circle and PG and Research Department of Mathematics organized Youth Awakening Day Celebration under DBT-Star College Scheme on 16.10.2023 at 12.05pm in C-17. **Dr.S.Sathishkumar**, Assistant professor of Tamil, Kongunadu Arts and Science College was the resource person. He gave a talk on “Inspiring Qualities of Dr.A.P.J. Abdul Kalam for youngsters”. He emphasized on the true incidence of Dr.A.P.J.Abdul Kalam which stimulated the younger minds to lead this world. He also stated that Youth Awakening Day would inculcate the young minds towards nation building and also about the life of Dr. Kalam serves to be a perfect example of how a human should develop into an individual and then into an influential leader. Dr.D.Vijayalakshmi welcomed the gathering and Dr.A.Amuthalakshmi proposed the vote of thanks. Totally 65 students and

11 staff members from various departments got benefitted.



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DEPARTMENT OF MATHEMATICS
Under DBT STAR COLLEGE SCHEME
NATIONAL MATHEMATICS DAY CELEBRATIONS
INTER-DEPARTMENTAL COMPETITIONS

09.01.2024

REPORT

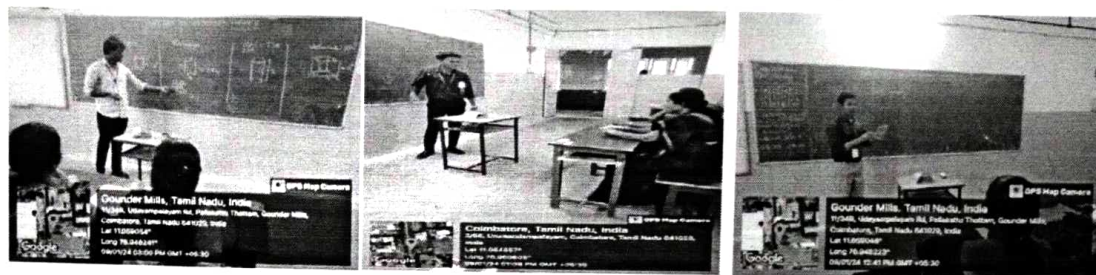
Name of the Event	NATIONAL MATHEMATICS DAY CELEBRATIONS - INTER-DEPARTMENTAL COMPETITIONS
Date	09.01.2024
Time	10:00 AM
Venue of the Programme	Room No C15, C16 and C17.
Objectives of the Programme	To kindle the Students' interest towards Mathematics subject
Outcome of the Programme	Participants got a platform to exhibit their skill and enhance their subject knowledge in Mathematics
Number of Beneficiaries	56 students

Report of the Programme

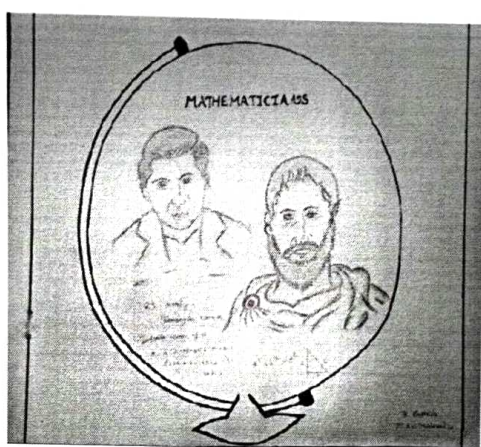
The Department of Mathematics of Kongunadu Arts and Science College organized Inter-Departmental Competitions for Students under DBT STAR College Scheme as a part of National Mathematics Day Celebrations on 09.01.2024 with the motive of kindling their interest towards Mathematics and provide them a platform to exhibit their skill.

Exhibit your Creativity, Carve your Idea, Best Teacher, Shape the Formula and Coding Star competitions were conducted. **56 students** from various Departments participated in this Inter-School Departmental Competitions and exhibited their talent.

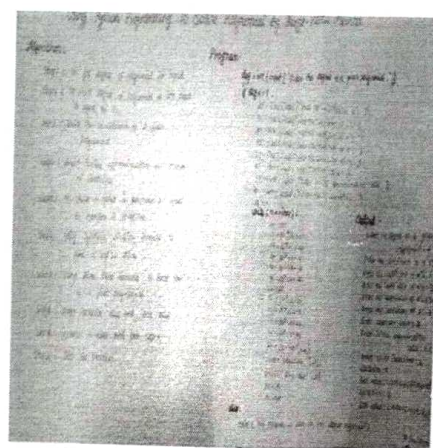
Prizes were given to all the winners and the participation certificates were given to all the participants.



Enthusiastic Participants teaching Mathematical Concepts in the 'Best Teacher'



Drawing by one of the Participants



Coding framed by one of the Participants

Star College Department Coordinator

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**DEPARTMENT OF MATHEMATICS
Under DBT STAR COLLEGE SCHEME
NATIONAL MATHEMATICS DAY CELEBRATIONS
INTER-SCHOOL COMPETITIONS
10.01.2024**

REPORT

Name of the Event	NATIONAL MATHEMATICS DAY CELEBRATIONS - INTER-SCHOOL COMPETITIONS
Date	10.01.2024
Time	10:00 AM
Venue of the Programme	Auditorium, Conference Hall, Room No G5, C15 – C19.
Objectives of the Programme	To eradicate the fear of Mathematics among School students and help them to learn Mathematics subject with more interest
Outcome of the Programme	Participants got a platform to exhibit their skill and enhance their subject knowledge in Mathematics
Number of Beneficiaries	701 School students

Report of the Programme

The Department of Mathematics of Kongunadu Arts and Science College organized Inter-School Competitions for School Students under DBT STAR College Scheme as a part of National Mathematics Day Celebrations on 10.01.2024 with the motive of eradicating the fear of Mathematics among students and help them to learn Mathematics subject with more interest. **Dr. C.A. Vasuki**, Secretary and Director of the College inaugurated the event.

Brain Teaser (Quiz), Manculator, Math Art, Sudoku Star, Formula Master, Chess Wizard, Math Model, Math Connection, War of Words and Master Mind competitions were conducted. **701 students** participated in this Inter-School Competitions and exhibited their talent.

Dr. M. Lekeshmanaswamy, Principal of the college distributed the prizes to all the winners and gave the participation certificates to all the students.

'Srinivasa Ramanujan Rolling Trophy' was bagged by **Vidhya Niketan Public School**.

Teachers, Parents and Students felt that the events were creative and highly informative.

Faculty members of Department of Mathematics taught Vedic Mathematics to the school students.

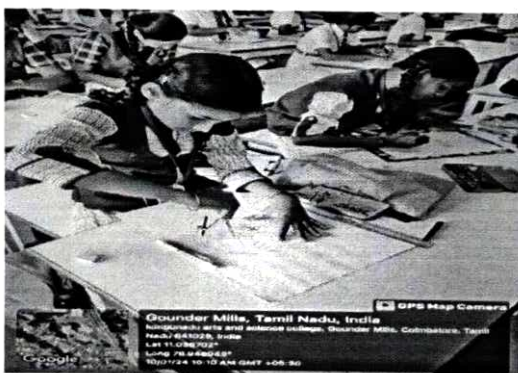
DBT STAR College Scheme mainly aims to strengthen Science Education and Training among students. These competitions provided the platform for the students to explore their Mathematical skills and helped them to upgrade their knowledge.



Dr. C.A. Vasuki, Secretary and Director of the College inaugurates the Chess competition.



Model Exhibition by the Participants



Enthusiastic Participants Drawing Math Art



Participants of Vidhya Niketan Public School receiving the 'Srinivasa Ramanujan Rolling Trophy'.

Star College Department Coordinator
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ACTIVITY-BASED LEARNING

organized by

DEPARTMENT OF MATHEMATICS

supported by

DBT STAR COLLEGE SCHEME

REPORT

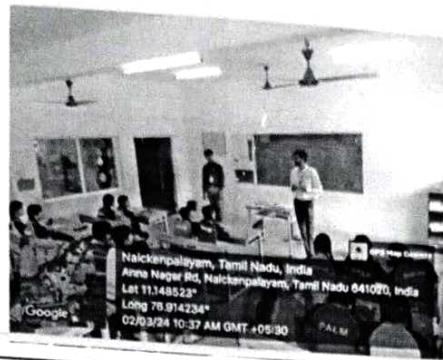
Name of the Event	Activity-Based Learning
Date	02.03.2024
Objectives of the Programme	To help the school students learn Mathematics in a fun way through various activities.
Outcome of the Programme	School students actively participated in the activities and learnt the concepts in Mathematics with more interest.
Number of Beneficiaries	175 School Students

The Department of Mathematics of Kongunadu Arts and Science College organized the Activity-Based Learning on 2nd March, 2024 at Yuva Public School, Coimbatore.

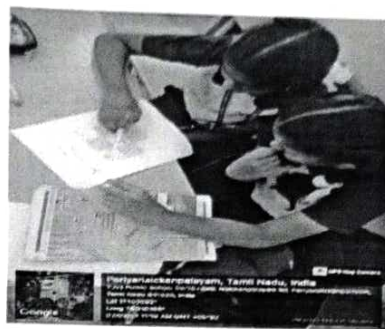
Dr. M. Vivek Prabu, Assistant Professor of Mathematics visited the school along with 20 students and conducted various activities like Brain Teaser, Math Connection, Manculator, Master Mind, Sudoku Star and Formula Master for the students between classes VI and IX.

In the Brain Teaser activity mathematical knowledge of the students was tested. To enhance the speedy calculation, Manculator activity was helpful. Master Mind and Math Connection activities served as a platform for the students to explore their creativity and to recollect the terminologies and definitions in Mathematics. Sudoku Star activity helped the participants to improve their logical thinking. Around 200 formulae were given to the students and after some time they were tested. The student who answered more number of formulae was crowned as the Formula Master.

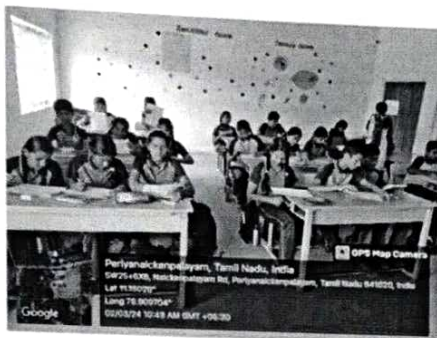
Students got excited to take part in all the activities as it helped them to study the foundation of Mathematics in a fun way. Vedic Mathematics was taught to the students at the end of the session.



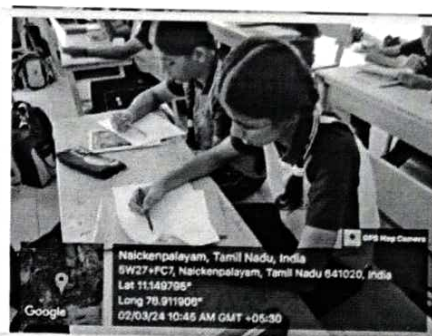
Dr. M. Vivek Prabu interacting with the students



Students solving Sudoku



Students indulged in Master Mind activity



Students memorizing the Formula



Our Team along with the Teachers of Yuva Public School

Star College Department Coordinator

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DEPARTMENT OF MATHEMATICS
Under DBT STAR COLLEGE SCHEME
MATHEMATICS FORMULAE – A QUICK REFERENCE BOOK
REPORT

Name of the Event	MATHEMATICS FORMULAE – A QUICK REFERENCE BOOK
Objectives of the Programme	To compile a Mathematics Formulae Book which would serve as a quick reference material for the students while preparing for examination.
Number of Copies	400

The UG students of Department of Mathematics of Kongunadu Arts and Science College compiled a Mathematics Formulae Book entitled '**Mathematics Formulae – A Quick Reference Book**' under DBT STAR College Scheme. **Mr. K. Jayasuriya**, III B.Sc. Mathematics, **Mr. L. Shalini**, II B.Sc. Mathematics and **Mr. B. Pawankrishnan**, I B.Sc. Mathematics are the editors of this book. The book has been published by Royal Book Publishing with ISBN number. 400 copies have been printed and about to be distributed for poor and needy students.

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