



**S.A.S GOVERNMENT DEGREE COLLEGE**  
**NARAYANAPURAM, WEST GODAVARI, ELURU DISTRICT - 534406**  
**(AFFILIATED TO ADIKAVI NANNAYA UNIVERSITY, RAJAMAHENDRAVARAM)**  
**Phone: 08818252189, E-mail: narayanapuram.jkc@gmail.com**



**HEARTLY WELCOME TO AN INNOVATIVE ACADEMIC ACTIVITY**



**SRI ARAVINDA SATHAJAYANTHI GOVERNMENT DEGREE COLLEGE**

Narayanapuram, Eluru District



On the Occasion of **National Mathematics Day Celebrations 2022**  
**(Birth Anniversary Celebrations of Srinivasa Ramanujam)**

**GANITHA ASHTAVADANAM**

(AN INNOVATIVE ACADEMIC ACTIVITY)

**On 21<sup>st</sup> December, 2022**

Organized by **Department of Mathematics**



**PROGRAMME SCHEDULE**

**Session - I: Ganitha Prasthanam**

1. **Introduction to Ganitha Prasthanam**  
 Ganitha Prasthanam is a traditional form of mathematics in India. It is a branch of mathematics which deals with the study of numbers and their properties. It is a very ancient science and has been studied by many great mathematicians of India. It is a very interesting and useful science and has many applications in our daily life.

2. **History of Ganitha Prasthanam**  
 The history of Ganitha Prasthanam is very ancient. It is said to have originated in India. It is a very old science and has been studied by many great mathematicians of India. It is a very interesting and useful science and has many applications in our daily life.

3. **Importance of Ganitha Prasthanam**  
 Ganitha Prasthanam is a very important science. It is a very old science and has been studied by many great mathematicians of India. It is a very interesting and useful science and has many applications in our daily life.

4. **Scope of Ganitha Prasthanam**  
 The scope of Ganitha Prasthanam is very wide. It is a very old science and has been studied by many great mathematicians of India. It is a very interesting and useful science and has many applications in our daily life.

5. **Conclusion**  
 Ganitha Prasthanam is a very important science. It is a very old science and has been studied by many great mathematicians of India. It is a very interesting and useful science and has many applications in our daily life.

**Session - II: Ganitha Prasthanam**

1. **Introduction to Ganitha Prasthanam**  
 Ganitha Prasthanam is a traditional form of mathematics in India. It is a branch of mathematics which deals with the study of numbers and their properties. It is a very ancient science and has been studied by many great mathematicians of India. It is a very interesting and useful science and has many applications in our daily life.

2. **History of Ganitha Prasthanam**  
 The history of Ganitha Prasthanam is very ancient. It is said to have originated in India. It is a very old science and has been studied by many great mathematicians of India. It is a very interesting and useful science and has many applications in our daily life.

3. **Importance of Ganitha Prasthanam**  
 Ganitha Prasthanam is a very important science. It is a very old science and has been studied by many great mathematicians of India. It is a very interesting and useful science and has many applications in our daily life.

4. **Scope of Ganitha Prasthanam**  
 The scope of Ganitha Prasthanam is very wide. It is a very old science and has been studied by many great mathematicians of India. It is a very interesting and useful science and has many applications in our daily life.

5. **Conclusion**  
 Ganitha Prasthanam is a very important science. It is a very old science and has been studied by many great mathematicians of India. It is a very interesting and useful science and has many applications in our daily life.



*[Signature]*  
 Incharge

Department of Mathematics  
**SAS GOVERNMENT DEGREE COLLEGE**  
**NARAYANAPURAM-534 406**



*[Signature]*  
**PRINCIPAL**  
**SAS GOVT. DEGREE COLLEGE**  
**NARAYANAPURAM**  
**West Godavari District.**  
**Pin: 534 406, Andhra Pradesh**



**S.A.S GOVERNMENT DEGREE COLLEGE**  
NARAYANAPURAM, WEST GODAVARI, ELURU DISTRICT - 534406  
(AFFILIATED TO ADIKAVI NANNAYA UNIVERSITY, RAJAMAHENDRAVARAM)  
Phone: 08818252189, E-mail: [narayanapuram.jkc@gmail.com](mailto:narayanapuram.jkc@gmail.com)



### Inaugural Function

S.No	Program	Remarks
1	Speech by Principal	Dr T. K. Visweswara Rao
2	Speech by IQAC coordinator	Sri D. Reddiah
3	Speech by Guest	Dr T.S.V.S. Suryanarayana Murthy
4	Speech by Guest	Prof. D.S.N. Saltry
5	Speech by Guest	Prof B.V.S.N. Hari prasad
6	Vote of Thanks	Dr K. Ravi
7	Closing Remarks	Dr. P. Babu Rao

*P. K. Saltry*  
Incharge

Department of Mathematics  
SAS GOVERNMENT DEGREE COLLEGE  
NARAYANAPURAM-534 406



*T. K. Visweswara Rao*  
PRINCIPAL  
SAS GOVT. DEGREE COLLEGE  
NARAYANAPURAM  
West Godavari District.  
Pin: 534 406, Andhra Pradesh





## Ganita Ashtavadhanam



■ **1. SAPAASYA PURANAM (COMPLETING OR FILLING UP A MAGIC SQUARE):**

Pruchaka (Questionair) gives the required total. Avadhani fills each row of a 4 X 4 magic square in four rounds. Avadhani fills in the magic square in 4 rounds off and on and finally reveals the required sum which satisfies 18 properties of a magic square.

■ **2. VARAGANANAM (CALENDER CALCULATION):**

The Pruchaka puts year, month and date to know the day on which it falls.  
 The Avadhani responds to it with right reply.

■ **3. DATTANKARIH (DIGIT ALLOCATION):**

Pruchaka gives a 3 digit number in 1st round. Avadhani adds a three digit number in 2nd round. In 3rd round, pruchaka adds another three digit number, in the last round Avadhani adds three more digits to that, making a 12 digit number which is divis ible by 13.

■ **4. NISHIDHANKAM (DIGIT PROHIBITION):**

Pruchaka wants an eight digit number divisible by 7. Avadhani starts to allocate the number digit by digit, beginning from Crores place. Pruchaka prohibits one digit that should not be placed as the following digit i.e., in the ten lakhs place. Thus the pruchaka prohibits the following digits. The 8 digit number formed by the Avadhani satisfies the conditions of the Pruchaka.

■ **5. MANASSANKALANAM: (MENTAL ADDITION)**

Pruchaka will be saying 3 digit numbers one for each round and two numbers in last round. Eventually the Avadhani says the sum of those five 3 digit numbers.

■ **6. GHANAMULAM (CUBE ROOT)**

Pruchaka gives a perfect cube number (not more than 10,00,000). Then Avadhani tells its cube root.

■ **7. AVRUTHA DASAMSAM (RECURRING DECIMAL CALCULATION):**

Pruchaka asks Avadhani to say the recurring decimal of fractions having primes as the denominator i.e., 1/7, 1/13, 1/17, 1/19 etc., Avadhani has to respond.

■ **8. SARASA PRASANGAM (IRRELEVANT & IRREGULAR CONVERSATION):**

The Pruchaka makes out mathematical 3uggleries to create violent vibrations in the concentration of the Avadhani's mind and heart. They retort amusingly and pleasantly with imrnence interaction. The Avadhani exhibits his exciting gestures lest there should be no cracks or breaches in his mental stability and fertility.

Thus the programme will be conducted in 4 rounds in an inspiring manner.

**T.S.V.S. SURYANARAYANA IVI HURTY**

**A. VEMAVARAM - 533 577**

AmaLapuram Mandal, E.G. Dist., A-P., India. Cell: 99890 27829



*P. Balu*  
 Incharge  
 Department of Mathematics  
 SAS GOVERNMENT DEGREE COLLEGE  
 NARAYANAPURAM-534 406



*Thiruv*  
 PRINCIPAL  
 SAS GOVT. DEGREE COLLEGE  
 NARAYANAPURAM  
 West Godavari District.  
 Pin: 534 406, Andhra Pradesh





గణిత అవధానం నిర్వహిస్తున్న మార్కునాచార్యులు మూర్తి

అవధానం... నూతన ఆవిష్కరణలకు దోహదం

[illegible]

నూతన ఆవిష్కరణలకు అష్టావధానం దోహదం

Level - Indicate



சென்னை, 15.05.2019

1. 1985-86: 100%  
 2. 1986-87: 100%  
 3. 1987-88: 100%  
 4. 1988-89: 100%

1. கி. பி. 1947-ல் இந்தியா சுதந்திரமாகியது.  
 2. இந்தியா சுதந்திரமாகியதில் பின்னால்தான்  
 3. இந்தியா சுதந்திரமாகியதில் பின்னால்தான்  
 4. இந்தியா சுதந்திரமாகியதில் பின்னால்தான்

[illegible][illegible]

1. *የጥንታዊ የግብርና ሥልጣን*  
 2. *የጥንታዊ የግብርና ሥልጣን*  
 3. *የጥንታዊ የግብርና ሥልጣን*  
 4. *የጥንታዊ የግብርና ሥልጣን*  
 5. *የጥንታዊ የግብርና ሥልጣን*  
 6. *የጥንታዊ የግብርና ሥልጣን*  
 7. *የጥንታዊ የግብርና ሥልጣን*  
 8. *የጥንታዊ የግብርና ሥልጣን*  
 9. *የጥንታዊ የግብርና ሥልጣን*  
 10. *የጥንታዊ የግብርና ሥልጣን*

1. የጥንታዊ የግብርና ሥልጣን  
 2. የጥንታዊ የግብርና ሥልጣን  
 3. የጥንታዊ የግብርና ሥልጣን  
 4. የጥንታዊ የግብርና ሥልጣን  
 5. የጥንታዊ የግብርና ሥልጣን  
 6. የጥንታዊ የግብርና ሥልጣን  
 7. የጥንታዊ የግብርና ሥልጣን  
 8. የጥንታዊ የግብርና ሥልጣን  
 9. የጥንታዊ የግብርና ሥልጣን  
 10. የጥንታዊ የግብርና ሥልጣን

# ಸಾಕ್ಷಿ

రాజు, వల్ల శ్రీనివాస్, ముచ్చాట సరసింహారావు. నరేష్ పార్థసారథు.

ఆకట్టుకున్న గణిత అష్టావధానం

[illegible]

Date: 22/12/2022, Edition: Fluru (Dendukuru), Page: 1  
Source: <https://epaper.sakshi.com/>

**இணைப்பு**  
cooper canada srl

లెక్క కట్టి.. రక్కున చెప్పి

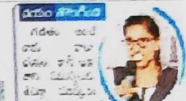
అనుగ్రహం వల్ల నడిక అయిపోయింది

**അദ്ധ്യക്ഷൻ:** ശ്രീമതി സി. ജെ. ഷാ



నవంబరు 20, 2019, సోమ - నాగార్జునరాం


ಮೈಸೂರು ನಗರ ಪುರಸಭೆ ೧೯೭೩-೭೪



... ..

1. What is the purpose of the study?  
 2. What are the research objectives?  
 3. What are the research questions?  
 4. What are the hypotheses?  
 5. What are the variables?  
 6. What are the methods?  
 7. What are the results?  
 8. What are the conclusions?  
 9. What are the implications?  
 10. What are the limitations?  
 11. What are the future research directions?  
 12. What are the references?  
 13. What are the appendices?  
 14. What are the footnotes?  
 15. What are the acknowledgments?  
 16. What are the declarations?  
 17. What are the disclosures?  
 18. What are the disclosures?  
 19. What are the disclosures?  
 20. What are the disclosures?

**ಪ್ರಾಚಾರ್ಯ** **ನಿರ್ದೇಶನ**  
 ಗಣಪತಿ ಸುಬ್ಬ  
 ಸಾಹಿತ್ಯ: **ಪ್ರಾಚಾರ್ಯ**  
 ಸಂಗೀತ: **ಪ್ರಾಚಾರ್ಯ**



... ..

(---) ---

File: 221212727 Edition Name: AKDI RA PRADISI (FULL) Page No: 67

*[Signature]*  
Incharge  
Department of Mathematics  
SAS GOVERNMENT DEGREE COLLEGE  
NARAYANAPURAM-534 406



*The*  
PRINCIPAL  
SAS GOVT. DEGREE COLLEGE  
NARAYANAPURAM  
West Godavari District.  
Pin: 534 406, Andhra Pradesh





**S.A.S GOVERNMENT DEGREE COLLEGE**  
 NARAYANAPURAM, WEST GODAVARI, ELURU DISTRICT - 534406  
 (AFFILIATED TO ADIKAVI NANNAYA UNIVERSITY, RAJAMAHENDRAVARAM)  
 Phone: 08818252189, E-mail: [narayanapuram.jkc@gmail.com](mailto:narayanapuram.jkc@gmail.com)



**SRI ARAVINDA SATHAJAYANTHI  
 GOVERNMENT DEGREE COLLEGE**  
 Narayanapuram, Eluru District



**HEARTY WELCOME**

**TO**

**GANITHA ASHTAVADHANAM**

(AN INNOVATIVE ACADEMIC ACTIVITY)

**On 21<sup>st</sup> December, 2022**



**AVADHANI**

**Dr. T.S.V.S. SURYANARAYANA MURTY**



**Prof. DSN Sastry**  
 Retd. Principal, A.J. College of Education,  
 Machilipatnam



**Prof. BVS Hari Prasad**  
 Dhanekula Institute of Engineering & Technology,  
 Vijayawada



**Dr. K. Naveen Kumar**  
 Government College-Autonomous,  
 Rajahmundry



**Prof. SVB Subrahmanyeswara Rao**  
 Ramachandra College of Engineering,  
 Eluru



**Dr. T. Srinivasa Rao**  
 K.L. Deemed University,  
 Guntur



**Dr. J.L. Ram Prasad**  
 P.B. Siddhanta College of Arts & Science,  
 Vijayawada



**Prof. M.J. Subhakar**  
 Nobel College,  
 Machilipatnam



**Smt. S. Hemalatha**  
 Vice principal - Sir C.R. REDDY COLLEGE,  
 ELURU

**Organized by Department of Mathematics**

*[Signature]*  
 Incharge

Department of Mathematics  
 SAS GOVERNMENT DEGREE COLLEGE  
 NARAYANAPURAM-534 406



*[Signature]*  
 PRINCIPAL  
 SAS GOVT. DEGREE COLLEGE  
 NARAYANAPURAM  
 West Godavari District.  
 Pin: 534 406, Andhra Pradesh





**S.A.S GOVERNMENT DEGREE COLLEGE**  
NARAYANAPURAM, WEST GODAVARI, ELURU DISTRICT - 534406  
(AFFILITATED TO ADIKAVI NANNAYA UNIVERSITY, RAJAMAHENDRAVARAM)  
Phone: 08818252189, E-mail: [narayanapuram.jkc@gmail.com](mailto:narayanapuram.jkc@gmail.com)



**SRI ARAVINDA SATHAJAYANTHI  
GOVERNMENT DEGREE COLLEGE**

NARAYANAPURAM, ELURU DISTRICT, ANDHRA PRADESH



*This is to certify that*

**Sri T.Sivakrishna**

*Chief guest of Innovative Academic Activity namely*

**GANITHA ASTAVADHANAM**

*on*

*21.12.2022*

*Organized by*

*Department of Mathematics on the occasion of National Mathematics Day  
(Birth Anniversary of Sri Srinivasa Ramanujan)*

Dr.P.Babu Rao  
Convenor

Dr.K.Ravi  
Co-Convenor


Sri.D.Reddiah  
Vice-Principal

Dr.T.K.Visveswara Rao  
Principal

  
Incharge

Department of Mathematics  
SAS GOVERNMENT DEGREE COLLEGE  
NARAYANAPURAM-534 406



  
PRINCIPAL  
SAS GOVT. DEGREE COLLEGE  
NARAYANAPURAM  
West Godavari District.  
Pin: 534 406, Andhra Pradesh



**A Brief report**

**on**

**GANITHA ASTAVADHANAM**

**Title: "GANITHA ASTAVADHANAM"**

**Date: 21-12-2022**

The SAS Degree College in Narayanapuram, Department of Mathematics recently hosted an event called "GANITHA ASTAVADHANAM" On the Occasion National Mathematics Day. The objectives of this event were to highlight mathematical skills, encourage problem-solving abilities, and cultivate a positive competitive spirit among students. The event's format was inspired by the traditional Indian literary and intellectual performance art known as astavadhanam.


**Event Format:**

As comparable to the traditional Astavadhanam's eightfold exercises, the Ganitha Astavadhanam comprised eight rounds of difficult arithmetic problems. Mathematical knowledge and abilities ranging from elementary arithmetic to sophisticated calculus and beyond were examined in each round. Participants worked on addressing problems both individually and in groups.


Students from all academic levels, including undergraduates, enthusiastically participated in the event. The wide range of backgrounds and skill sets fostered a dynamic environment for learning and cooperation.

**The Highlights:**

1. Problem-Solving Rounds: Through a series of problem-solving rounds, participants demonstrated their mastery of mathematics by tackling issues that required critical thinking and inventive solutions.
2. Team Challenges: Participants worked together to tackle challenging mathematics problems within a set amount of time in order to foster collaborative teamwork.
3. Interactive Sessions: Faculty members led interactive sessions that offered advice on efficient problem-solving techniques as well as insights into how mathematical principles are applied in the real world.
4. Rewards and Recognition: Participants were inspired to aim for excellence in mathematical activities by the recognition and rewards bestowed upon outstanding performers for their outstanding contributions.

  
Incharge  
Department of Mathematics  
SAS GOVERNMENT DEGREE COLLEGE  
NARAYANAPURAM-534 406



  
PRINCIPAL  
SAS GOVT. DEGREE COLLEGE  
NARAYANAPURAM  
West Godavari District.  
Pin: 534 406, Andhra Pradesh



**SRI ARAVINDA SATHAJAYANTHI  
GOVERNMENT DEGREE COLLEGE**

NARAYANAPURAM, ELURU DISTRICT, ANDHRA PRADESH



## *Certificate of Participation cum Merit*

This is to certify that ..... *K.V.D. Bharani* .....  
of ..... *SAS Govt Degree College - Narayanapuram* .....  
participated / Stood in the ..... *III* ..... place in ..... *Rangoli* .....  
conducted on the occasion of **NATIONAL MATHEMATICS DAY 2022**  
(Birth Anniversary of Sri Srinivasa Ramanujan) by Department of Mathematics on 21.12.2022.

Incharge  
Department of Mathematics  
SAS GOVERNMENT DEGREE COLLEGE  
NARAYANAPURAM-534 406

*Dr. P. Babu Rao*  
Dr.P.Babu Rao  
Convenor

*Dr. K. Ravi*  
Dr.K.Ravi  
Co-Convenor

*Sri.D.Reddiah*  
Sri.D.Reddiah  
Vice-Principal

*Dr. T.K. Visveswara Rao*  
Principal  
SAS GOVT. DEGREE COLLEGE  
NARAYANAPURAM  
West Godavari District,  
Pin: 534 406, Andhra Pradesh



## DIGNITARIES



**Dr. Pola Bhaskar**  
Commissioner



**Dr. R. David Kumara Swamy**  
Joint Director



**Dr. T. K. Visveswara Rao**  
Principal  
& Chairperson



**Sri. D. Reddiah**  
Organizing Secretary



**Dr. P. Babu Rao**  
Convenor



**Dr. K. Ravi**  
Co Convenor

## ORGANIZING COMMITTEE

1. Smt. G. Nirmala Jyothi - Lec in Economics
2. Dr. B. Jhansi Lakshmi - Lec in Chemistry
3. Smt. G. Hephzibah - Lec in Chemistry
4. Sri. B. V. Venkateswara Reddy - Lec in Physics
5. Smt. Sk. Ayaisha - Lec in Botany
6. Sri. B. Raju - Lec in Zoology
7. Sri. K. Uma Sankar - Lec in Politics
8. Sri. P. Bhaskara Rao - Lec in History
9. Smt. B. Parvathi - Commerce
10. Smt. I. Lavanya - Lec in Commerce
11. Ms. R. Mounika - Lec in Commerce
12. Dr. P. S. Raja Marison Babu - Phy. Dir.
13. Sri. T. Garbiel - Librarian
14. Smt. G. Kalyani - Sr. Asst.



For more details  
98 48 46 08 70  
99 51 40 50 34

For Registration  
Scan and Pay below QR code



UPI ID: puttababurao2-1gokhdfcbank >

send your payment details  
screen shot to below  
email: puttababurao2@gmail.com  
in charge

Department of Mathematics  
**SAS GOVERNMENT DEGREE COLLEGE**  
NARAYANAPURAM-534 406



**SRI ARAVINDA SATHAJAYANTHI**  
**GOVERNMENT DEGREE COLLEGE**  
Narayanapuram, Eluru District

**GANITHA ASHTAVADANAM**  
(AN INNOVATIVE ACADEMIC ACTIVITY)



On the Occasion of  
**National Mathematics Day Celebrations 2022**  
(Birth Anniversary Celebrations of Srinivasa Ramanujam)

Time : 10.00 am Venue : Seminar Hall

Organized by  
**Department of Mathematics**

**On 21<sup>st</sup> December, 2022**



PRINCIPAL  
**SAS GOVT. DEGREE**  
**NARAYANAPURAM**  
West Godavari District.  
Pin: 534 406, Andhra Pradesh



**S.A.S GOVERNMENT DEGREE COLLEGE**  
 NARAYANAPURAM, WEST GODAVARI, ELURU DISTRICT - 534406  
 (AFFILIATED TO ADIKAVI NANNAYA UNIVERSITY, RAJAMAHENDRAVARAM)  
 Phone: 08818252189, E-mail: [narayanapuram.jkc@gmail.com](mailto:narayanapuram.jkc@gmail.com)



## Department of Mathematics & IQAC

### Attendance Sheet

**Name of the Activity:**

GANITHA ASHTAVADANAM

**Date:**

21<sup>st</sup> December 2022

**Time:**

10:00 am to 4:00 PM

S.NO	NAME OF THE STUDENT	Signature
1	A. Pooja	A. Pooja
2	D. Madhu sai syathi	D. M.S. Syathi
3	P. Pavan Kumar	P. Pavan Kumar
4	V. Peddi Lakshmi	V. Peddi Lakshmi
5	S. Likhitha Rani	S. Likhitha Rani
6	M. Srinivas	M. Srinivas
7	M. Chandu	M. Chandu
8	K. Pradeep	K. Pradeep
9	B. Venkatesulu	B. Venkatesulu
10		

*[Signature]*  
 Incharge

Department of Mathematics  
 SAS GOVERNMENT DEGREE COLLEGE  
 NARAYANAPURAM-534 406



*[Signature]*  
 PRINCIPAL

SAS GOVT. DEGREE COLLEGE  
 NARAYANAPURAM  
 West Godavari District.  
 Pin: 534 406, Andhra Pradesh