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Founding Members of Sharnbasva University
Kalaburagi - 1981



Prof. Chikmagalur Chaitanya Kulkarni
Member of Sharnbasva University
Kalaburagi - 1981



Prof. Dr. Sharnbasveshwar Kulkarni
Member of Sharnbasva University
Kalaburagi - 1981

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Kalaburagi - 581 003 - Karnataka - 2017 | 0822 22 22 22



Prof. Dr. Mahantesh M. Nandeppanavar
Associate Professor
Govt. Degree College (Autonomous), Kalaburagi



Prof. Dr. Mahantesh M. Nandeppanavar
Associate Professor
Govt. Degree College (Autonomous), Kalaburagi

Faculty of Engineering & Technology (Exclusively for Women) Celebrates

MATH-EXHIBITION – 2023 On 16th July 2023

Title of the Event	Math- Exhibition
Date of Activity held	16/07/2023
Time of Activity	10:00 AM to 1:00PM
Type of Activity (Cultural/ Cocurricular/Curricular)	Cocurricular
Guest and Judge	Dr.Mahantesh M. Nandeppanavar
Professional details of Judge	Associate Professor Govt.Degree College (Autonomous), Kalaburagi
Number of Students attended	100
Number of Students Participated	72
Number of Staff attended	30
Activity Organizing Department	Basic Science (Department of Mathematics)
Description of Activity (Min 500 words)	<p>Faculty of Engineering and Technology (Exclusively for women),Sharnbasva University organized Math Exhibition-2023 on 16th July 2023</p> <p>Dr.Mahantesh M.Nandeppanavar Associate professor Govt. Degree college (Autonomous), Klb was the Guest and Judge of the event. More than 70 students participated in this event with different topics related to the concepts of Mathematicas. Students from other colleges (PUC) were also invited to . Dr ,Anilkumar Bidve sir,Registrar ,Sharanbasva University,klb along with Dr.Lakshmi Patil Maka mam , Dean , Sharnbasva University ,Klb and other faculty member were invited for inguaral exhibition, students from every branch were allow to present what they have interested and want to make. All the participants their models /Charts/Technical presentation such as Probability , clinometer, Pythagoras theorem etc. The judge and officers surveyed exhibition and asked about the details from students. In the end, the Judge and Register gave speech on the importance ofmathematics, and admired students for their efforts and interest and distributed prizes to winners and certificate is given to all participants.</p>
Outcome of the Activity	<p>Mathematics fairs can help talent to surface and faster mathematical gifts in learners. They provide challenging opportunities to the gifted students. Exhibition helps students to express themselves through attractive models. The Demonstration value ofmodels makes them more appealing.</p> <p>Objectives of the mathematics exhibition</p> <ul style="list-style-type: none"> * To build different mathematics skills and concepts * To help students learn best when presented with concept they can manipulate and visualize * To enhance team spirit * To build the confidence level of the student



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Pooja Chikankar D. Deshpande's S. Sarm
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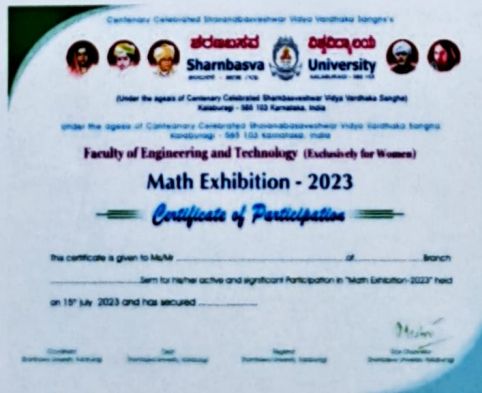
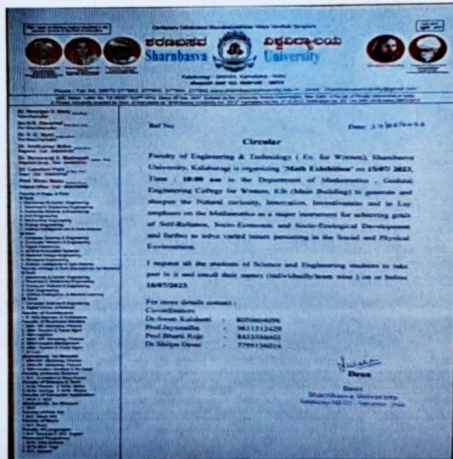
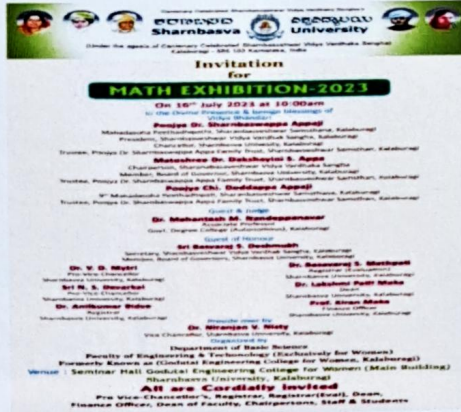


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Pooja M. Deshpande's S. Sarm
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Activity Photographs
(Geotagged only)





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Pooja S. Malavika Sankhale
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**LIST OF STUDENTS
FOR
MATHS EXAMINATION, 2023
DEPARTMENT OF BASIC SCIENCE
SCORE LIST**

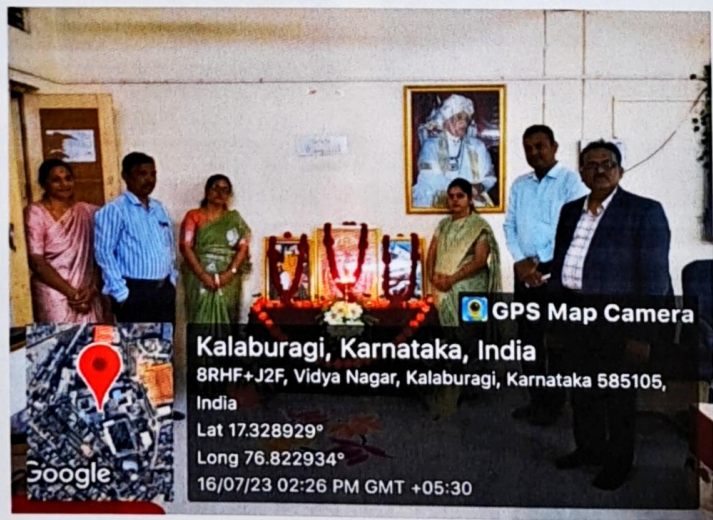
No.	Roll No.	Name of the student	Section	Page Title	Mark score out of 100	Grade
1	SW23C0001	Nikhil K	EMCE1	Perimeter of Polygon and Area	10	
2	SW23C0002	Adarsh	EMCE1	Calculus: Application of Derivatives	10	
3	SW23C0003	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
4	SW23C0004	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
5	SW23C0005	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
6	SW23C0006	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
7	SW23C0007	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
8	SW23C0008	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
9	SW23C0009	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
10	SW23C0010	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
11	SW23C0011	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
12	SW23C0012	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
13	SW23C0013	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
14	SW23C0014	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
15	SW23C0015	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
16	SW23C0016	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
17	SW23C0017	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
18	SW23C0018	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
19	SW23C0019	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
20	SW23C0020	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	

Roll No.	Name	Section	Page Title	Mark score out of 100	Grade
SW23C0021	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0022	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0023	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0024	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0025	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0026	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0027	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0028	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0029	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0030	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0031	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0032	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0033	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0034	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0035	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0036	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0037	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0038	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0039	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0040	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	

Roll No.	Name	Section	Page Title	Mark score out of 100	Grade
SW23C0041	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0042	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0043	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0044	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0045	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0046	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0047	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0048	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0049	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0050	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0051	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0052	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0053	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0054	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0055	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0056	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0057	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0058	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0059	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	
SW23C0060	Adarsh B	EMCE1	Calculus: Application of Derivatives	10	

Chart Marked Total
 1-25: 10-50
 26-50: 51-100

Signature of In-charge
 Name: Dr. Maheshwari M. S.
 In-charge Professor
 Kalaburagi College of Education, Kalaburagi



GPS Map Camera
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Prof. Dattatraya Agre
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Prof. Manohar Gombath
President
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Pradya Dr. Sharnbasveshwar Agge
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Pradya Maheshwari Dattatraya Agge
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WINNERS

Prize in chart / Model / Technical Presentation

TOPIC NAME : Tower of Hanoi, Right angled triangle, Learn about shapes (Software)

1ST WINNER



➤ **Learn about shapes (software)**

We have created a software using the programming languages such as HTML,CSS,JAVA SCRIPT we use HTML to create web pages, CSS – TO design and to look attractive to the users, JAVA SCRIPT – It is a programming scripting language which enhance the web pages dianamically. Using theses language we have generated codes and made an software which is to learn about shapes that is 2D and 3D shapes, formulas and Applications 2D shapes, [square, circle, triangle Rectangle]

- * Formulas and applications of 2D shapes
- * Real life applications [pictures / images]

3D Shapes [Cube, Cuboid , Sphere, Pyramid]

- * Formulas and applications of 3D shapes
- * Real life applications [pictures / images]

NOTE : We have used CSS to make our websites more attractive and attentive Like adding snowfall to our web pages Growing of tree and lightening on option key buttons

➤ **Right angled triangle (missing square puzzle)**

The missing square puzzle is an optical illusion used in mathematics Both total triangle are in a perfect 13x5 grid and both component triangles



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TOPIC NAME : Projection of Points and Lines

2ND WINNER



➤ **Projection of points on a plane**

If you drop a perpendicular from a point to a line or a plane the point you reach on that line or plane is called the projection of the point onto the line or plane

Position of points

S.L	In 3D	In 2D
01	Above H.P Infront of V.P	Front view above reference line Top view below reference line
02	Above H.P Behind V.P	Front view above reference line Top view above reference line
03	Below H.P Behind V.P	Front view below reference line Top view above reference line
04	Below H.P Infront of V.P	Front view below reference line Top view below reference line

➤ **Projection of Lines on a plane**

A line segment formed by projecting end points of the existing line segment on the new line to form a 2-D figure.

In 2D	In 3D
CASE -1 F.V – Parallel line to reference line T.V – Parallel line to reference line S.V – Points on the side of front view	Parallel to H.P Parallel to V.P Perpendicular to P.P
CASE – 2 F.V – Line inclined by to reference line T.V – Parallel line to reference line	Inclined to H.P Parallel to V.P
CASE – 3 F.V – Line inclined by to reference line T.V – Line inclined by □ to reference line	Inclined to H.P Inclined to V.P



Neelam Bhanu Ch. Ganeshaiah S. Ane
 Founder President
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Prof. Dr. Channarayana Gaddigara Anil
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Prof. Dr. Brahmaramayya Anand
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Prize in chart / Model Presentation

TOPIC NAME : Aristotle wheel paradox

1ST WINNER



➤ It states as follows

“ A wheel is depicted in two – dimensional space as two circles. It’s larger, outer circle is tangential to a horizontal surface (example a road that it rolls on), while the smaller, inner one has the same centre and is rigidly affixed to the larger ”

➤ Explanation

Aristotle’s wheel paradox is a paradox or problem appearing in the Greek work *Mechanica*, traditionally attributed to Aristotle. The smaller circle could be the bead of a tire, the rim it is mounted upon, or axle. Assuming the larger circle rolls without slipping (or kidding) for one full revolution, the distances moved by both circle’s circumferences are the same. The distance travelled by the larger circle is equal to its circumference, but for the smaller it is greater than its circumference, there by creating a paradox.

The paradox is not limited to wheel’s other things depicted in two dimensions display the same behavior such as a roll of tape, or a typical round bottle or jar rolled on its side (The smaller circle would be the mouth or neck of the jar or bottle). In an alternative version of the problem, the smaller circle, rather than the larger circle is in contact with the horizontal surface. Examples include a typical train wheel, which has a flange, or a barbell straddling a bench. American educator and philosopher Israel Drabkin called these case educator version of paradox, and a similar, but unidentical analysis applies.

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Prize in chart / Model / Technical Presentation

TOPIC NAME: The Basic concepts of mathematics in daily life Ramanujan's Magic square

1ST WINNER



The application of basic Mathematics in daily life

1. Reason behind cylindrical shape of domestic cylinder :

Have you ever noticed ? Any fluid or gas carrying thing are in

Cylindrical shape.

- The only shape better in terms of force distribution and stress distribution is sphere but it is difficult to manage, so cylindrical shapes
- In cylindrical shape, The pressure is distributed even by and there is no concentration of forces. Hence there is no weak or breakdown point in the body
- Where as in cube or cuboid, one of the walls or corners may experience Larger amount of forces than other parts. Which may induce large amount of stress and breakdown of container may occur.

2. The concept of convergence and divergence in sugarcane juice extractive

- The process of extractive of sugarcane juice is similar to concept of convergence and divergence in mathematics.
- Here an extractive of sugarcane juice, the vendour put two or more sugarcane's together, the point where extracted or crushed that point is similar to concept of convergence in mathematics after crushing the juice the sugarcane comes as divergence.
- Convergence means the lines meet together at point they come uniformly divergence means the lines are apart they will go infinity.

Ramanujan's Magic square

- This magic square was made by Srinivasa Ramanujan who was great Indian mathematician.
- He considered his birthday and made this magic square as his birthday is on 22nd December 1887.
- The numbers in first row represent his birth day

In this magic square, the sum of no of any column = 139

The sum of no of any row = 139
 The sum of Daignoal elements = 139
 The sum of any (2x2) square = 139



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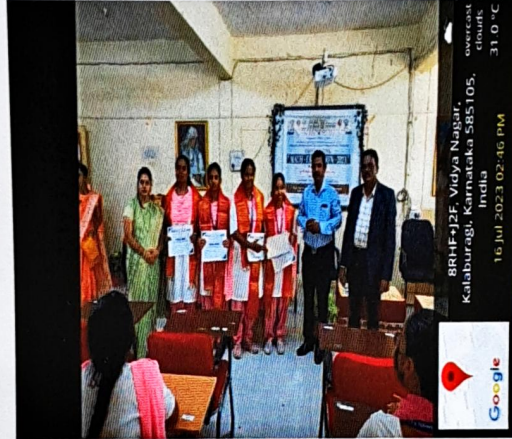
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TOPIC NAME : Maths in real life 2ND WINNER



Mathematics is very useful in everyday life. We use math concepts, as well as skills we learn from practicing math problems everyday. Mathematics is a universal language which is almost used in every sector.

➤ Uses of Mathematics in practical life

Math is important for all professions in the world. Every aspect of life is highly dependent on the use of numbers and arithmetic. Math is a language of science. It is used to develop the rest of science and interpret its theories. It enables thinkers to test their ideas by doing many experiments.

➤ Math is used in

- Banking and financial services
- Computer science
- Cell phone
- Technological innovations
- Animation and CAED
- Architecture

➤ Conclusion :

1. MATH expresses itself everywhere, almost in every face of life in nature all around us and in the technologies in our hands.
2. MATH is a language of science, Engineering describing our understanding of all that we observe
3. In our daily life, we use math in various fields such as sports, astronomy, banking, fashion designing, shopping etc.
4. MATH states how data was obtained, Summarizes the pattern of math used to analyze the data and result of the analysis.
5. It explores the many wonders and uses of MATH in our life