



HARMAL PANCHAKROSHI SHIKSHAN MANDAL'S

**GANPAT PARSEKAR COLLEGE OF
EDUCATION**

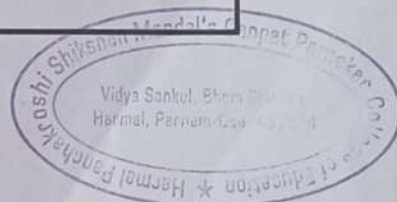
Vidya Sankul, Bhom Plateau, Harmal, Pernem – Goa 403524

(Affiliated to Goa University, Recognised by NCTE)

Recognised under Section 2(f) of the UGC Act, 1956



**AN INTER-HIGHER SECONDARY EVENT
"TESSERACT 2.0"**



HARMAL PANCHAKROSHI SHIKSHAN MANDAL'S
GANPAT PARSEKAR COLLEGE OF EDUCATION
Vidya Sankul, Bhom Plateau, Harmal Goa.

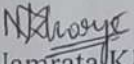
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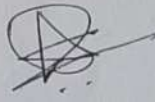
Date: 12/07/2024


NOTICE

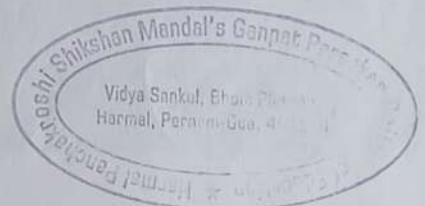
All the teachers are hereby informed that the Department of Mathematics and Department of Physics are organising an Inter-Higher Secondary event "TESSERACT 2.0" on 13th July 2024 from 10.00am to 5.00 pm.

In this regard, the students of F.Y.B.Sc.B.Ed.(PCM), S.Y.B.Sc.B.Ed.(PCM) and Fo.Y.B.Sc.B.Ed. (Mathematics and Physics) are entitled with special attendance for the day.


(Ms. Namrata Khorje)
In-charge
Dept. of Mathematics


(Mr. Karesh Phondekar)
In-charge
Dept. of Physics


(Dr. Pandurang Pandit)
Officiating Principal



HARMAL PANCHAKROSHI SHIKSHAN MANDAL'S
GANPAT PARSEKAR COLLEGE OF EDUCATION

VIDYA SANKUL, BHOM PLATEAU - HARMAL - GOA

(AFFILIATED TO GOA UNIVERSITY AND RECOGNISED BY NCTE)

DEPARTMENT OF MATHEMATICS

AND

DEPARTMENT OF PHYSICS

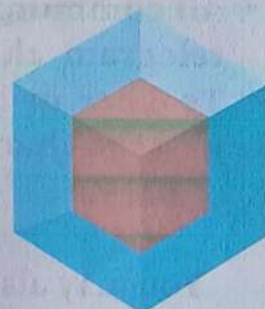


ORGANISES

**AN ALL-GOA INTER- HIGHER SECONDARY
SCHOOL EVENT**

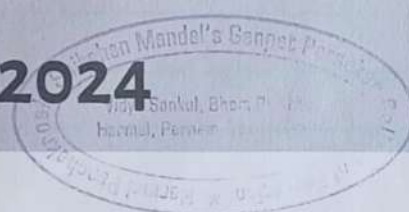
TESSERACT

2.0



.....UNLOCK THE 4TH DIMENSION

SATURDAY, 6TH JULY 2024



General Instructions

- Each team shall comprise of a maximum of **10 participants**.
- Participants shall not be allowed to take part in multiple competitions during the morning session. Kindly go through the schedule before finalizing your participants.
- Participation is not restricted to students of the science stream. Any bonafide student of the year 2024-25 may participate in the event.
- Teams should register latest by **25th June 2024, 11:00 PM**. Each team shall assign themselves a teacher in-charge and a student coordinator whose contact details should be submitted in the registration form via the following link:

<https://forms.gle/6UfVFTTrHN7S9BdhM7>

You may also scan the QR Code below to access the form



- All teams must be present by 9:30 am at Dnyanada Auditorium - Ganpat Parsekar College of Education - Harmal to complete the registration process.
- A registration fee of Rs. 150 per student and per teacher must be paid at the registration desk.
- All students must compulsorily carry their ID cards on the day of the event.
- Lunch shall be provided to all participants and teachers. Coupons will be provided at the registration desk.
- All communications related to the event shall happen through the telegram channel 'Tesseract 2.0' via the link given below. The Teacher in-charge and student coordinator should compulsorily join the channel. (Other participants are also encouraged to join)

<https://t.me/+QVdcmmDcHmVkyZl1>

You may also scan the QR Code below to access the telegram group



- A team participating in all competitions shall earn an additional 30 points.
- Sequential order of teams (wherever applicable) shall be decided by the drawing of lots.
- Points shall be awarded for each competition in the following manner:

1st Place: 50 points

2nd Place: 35 points

3rd Place: 25 points

- Each team will have the option of using **Two Jokers** during the entire event.
- A joker can be placed by the team on any competition (except #ReelKaroFeelKaro) before the start of that particular competition at the registration desk in a sealed envelope. Envelopes will be provided at the registration desk.
- A team placing a joker on any particular competition shall receive double points for that competition only if they secure any of the first three places. Any other outcome will result in a deduction of 20 points from their overall score. Points shall be awarded in the following manner to a team which places a joker on any particular competition:

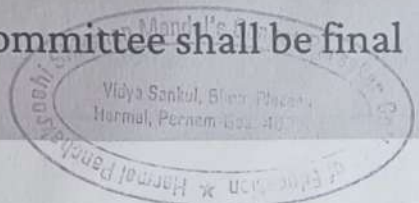
1st Place: $50 \times 2 = 100$ points

2nd Place: $35 \times 2 = 70$ points

3rd Place : $25 \times 2 = 50$ points

No place: -20 points

- Certificates and Medals shall be awarded to the prize winners of various competitions.
- Trophies and Cash Prizes shall be awarded to the Overall Winners, 1st Runners-Up and 2nd Runners-Up.
- In case of a tie in the overall championship, the team with more number of 1st places shall be placed higher. If the tie persists, most number of 2nd places followed by most number of 3rd places shall be considered.
- Decision of the judges and the organising committee shall be final and binding under all circumstances.





About the Institution



Harmal Panchakroshi Shikshan Mandal (HPSM) is a non-profit society, actively involved in imparting quality education to students hailing from different parts of Goa for more than four decades and intends to focus on creating quality teachers for the future. HPSM's Ganpat Parsekar College of Education endeavors to offer integrated Four-Year Programme in Science (B.Sc.B.Ed.) and Arts (B.A.B.Ed.). The College is located 22 Kms away from Mapusa town, at Harmal in Pernem Taluka of Goa. It is far away from the hustle and bustle of city life, situated in the vicinity of hills and meadows. The ambience offers an ideal setting to nurture students in terms of their heads, hands and hearts.



About Tesseract 2.0

After a successful inaugural edition of Tesseract, we are back with an even more exciting second edition, where we celebrate Mathematics and Physics through logical thinking and your creative, inquisitive minds.

The event aims to serve as a platform for talented young students across Goa to explore and express their creativity and skills in these areas. Furthermore, our college being the only institution in the state of Goa which offers an integrated B.Sc.B.Ed. degree, this event offers a chance to higher secondary students to explore our establishment and potentially embrace our growing family as a proud member.

Hope to see you in large numbers!!!!



Schedule



MORNING SESSION

9.00 AM - 10:00 AM	Registration
10:00 AM - 10:30 AM	Formal Function
Judging Only	#ReelKaroFeelKaro
10:45 AM - 1:00 PM	Slide Wars
10:45 AM - 12:15 PM	Starlit Strokes
10:45 AM - 1:00 PM	Apti Quest
10:45 AM - 1:00 PM	Third Degree
10:45 AM - 1:00 PM	Chauk Gaye??
10:45 AM - 1:00 PM	Creative Constructs

AFTERNOON SESSION

1:15 PM - 2:15 PM	Lunch Break
2:30 PM - 4:00 PM	Math Meets Fashion
4.15 PM - 5.00 PM	Prize Distribution Ceremony



#REELKAROFEEELKARO

(Pre-Event Competition)



THEME: Prepping for Tesseract 2.0

Rules and Regulations:

- Number of Participants per team: **1 (Videographer/Editor)**
- The reel should be based on the moments captured during the team's preparation for Tesseract 2.0
- The reel must also feature the name of your institution and a creative slogan.
- **Size limit: 100MB**
- Reel should be made using **mobile phones only**. Use of DSLR Camera is prohibited.
- The reel should be uploaded with the Name of the HSS as the file name by **1st July 2024, 12:00 PM** using the link:

<https://drive.google.com/drive/folders/1bHPh8zIs96kDnO6CsdAK4DnUXEzTkbaN?usp=sharing>

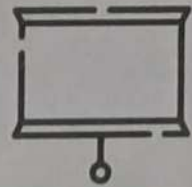
- The organizers have the right to use these videos for the promotion of Tesseract 2.0

Judging Criteria:

- Cinematography
- Background music
- Visual creativity and slogan
- Editing
- Overall Impact



SLIDE WARS



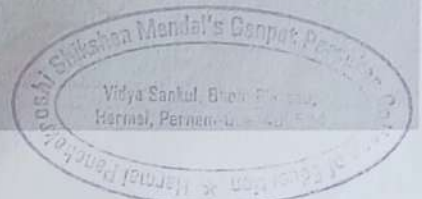
(POWERPOINT PRESENTATION COMPETITION)

Rules and Regulations:

- Number of Participants per team: 1
- The participant must come prepared with a PowerPoint presentation on any topic in Mathematics or Physics.
- Participants may carry the PPT in a pendrive or may carry their own laptop.
- **Participants are discouraged from presenting standard topics from School and HSSC curriculum. Interesting topics that are not found in the standard School and HSSC curriculum will be appreciated.**
- A white board and marker shall be provided to the participant.
- **The presentation should not exceed ten minutes. A warning bell will be sounded after nine minutes.**
- The participant shall answer questions posed by the judges at the end of the presentation.

Judging Criteria

- Concept
- Content Delivery
- Effective use of PowerPoint
- Overall Presentation



STARLIT STROKES

(POSTER MAKING COMPETITION)

Theme: **India's contribution to Physics**



Rules and Regulations:

- Number of Participants: 2
- Duration: 1 hour 30 minutes
- Teams will be provided with an A1-sized white paper. All other materials should be brought by the participants.
- Use of pictures, collage, etc. is permitted.
- Use of reference material is permitted.
- Kindly clear the working area at the end of the competition.

Judging Criteria

- Creativity
- Relevance to the theme
- Neatness
- Overall presentation



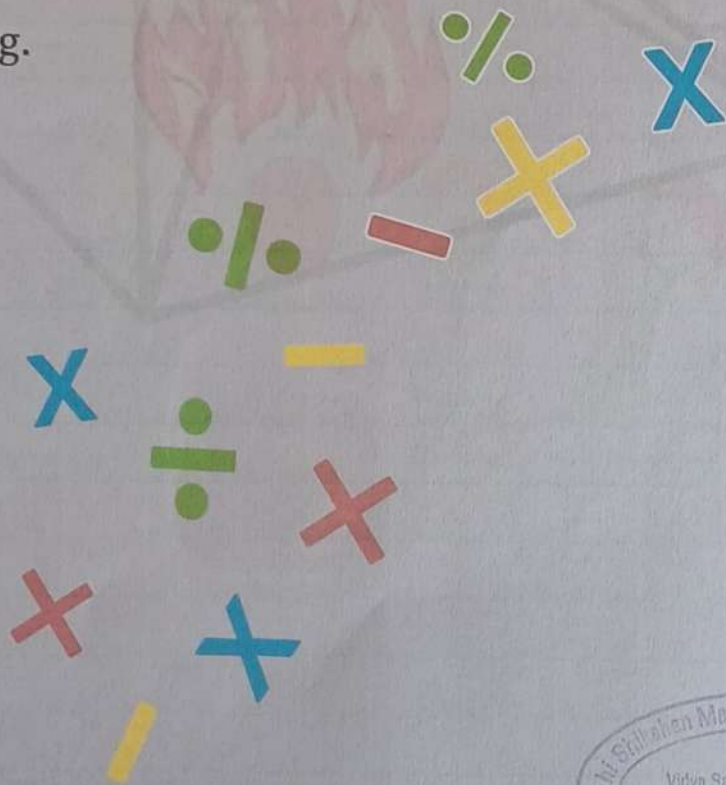
APTI QUEST

(MATHEMATICS QUIZ COMPETITION)



Rules and Regulations:

- Number of participants per team: 2
- A written preliminary round shall be conducted at the beginning. The five best performing teams shall qualify for the on-stage finals.
- Participants will be tested on **Basic Arithmetic, Aptitude, Logical Reasoning and GK related to Mathematics.**
- Rules regarding each round shall be explained at the venue.
- Decision of the Quizmaster shall be final and binding.



THIRD DEGREE

(STRESS INTERVIEW)

Rules and Regulations:

- Number of participants per team: **1**
- Each participant will be interviewed individually by a panel of experts.
- Participants will be interviewed on topics from school level Mathematics and Science.
- Decision of the panel shall be final and binding.



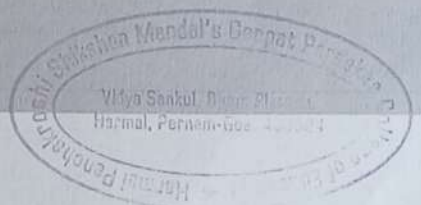
CHAUK GAYE ???

(SURPRISE EVENT)



Rules and Regulations:

- Number of Participants per team: 1
- This is a surprise contest whose rules and regulations shall be explained on the day of the event itself.
- The contest will be related to Mathematics and Physics.



CREATIVE CONSTRUCTS

(MODEL MAKING COMPETITION)



Rules and Regulations:

- No. of participants: 1 or 2
- Participants should construct their models in advance.
- At the time of registration, a table of size 23 in x 38 in shall be provided to each team to set-up their model.
- Participants may bring along charts explaining their models.
- The model should be based on concepts in mathematics or physics.
- The participants should be present to explain the model to the judges as well as visitors during the provided time slot.

Judging Criteria

- Creativity
- Concept
- Presentation
- Overall Effect



MATH MEETS FASHION

(FASHION SHOW)

Theme: **The Five Platonic Solids**

Rules and Regulations:

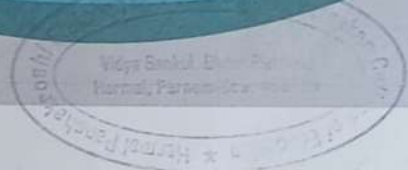
- Number of participants per team: 6 to 8
- Duration: 6 minutes (setup + performance)
- There shall be negative marking if time limit is exceeded.
- Participants should submit their soundtrack via the google drive link given below:

https://drive.google.com/drive/folders/1PXlyGjoOyuNHQyFbTSNvMgf3mC_LTMia?usp=sharing

- Costumes should maintain decency. Vulgarity in any form shall not be tolerated.
- Decision of the judges shall be final and binding.

Judging Criteria

- Creativity
- Costume design
- Relevance to the theme
- Showmanship
- Overall impression



ORGANISING COMMITTEE

Mr. Suraj Parmekar
(Event Coordinator)
Dept. of Mathematics
9145042882

Mr. Karesh Phondekar
(Event Coordinator)
In-Charge
Dept. of Physics
7507299839

Ms. Namrata Khorje
In-Charge
Dept. of Mathematics
7875784604

STUDENT COORDINATORS

Ms. Manjiree Sawal Desai
Fo.Y. B.Sc.B.Ed.
9359039227

Mr. Ali Shaikh
Fo.Y.B.Sc.B.Ed.
8806605430

DR. PANDURANG PANDIT
OFFICIATING PRINCIPAL
GANPAT PARSEKAR COLLEGE OF EDUCATION

Harmal Panchakroshi Shikshan Mandal's
GANPAT PARSEKAR COLLEGE OF EDUCATION
Vidya Sankul, Bhom Plateau, Harmal- Goa
(Affiliated to Goa University, Recognized by NCTE)

REPORT

Type of the event: All Goa Inter-Higher Secondary School event "Tesseract 2.0.....unlock the 4th dimension"

Date: 13th July 2024

Mode: Offline Mode

Venue: Dnyanada Auditorium, Harmal Panchakroshi High School, Harmal-Goa

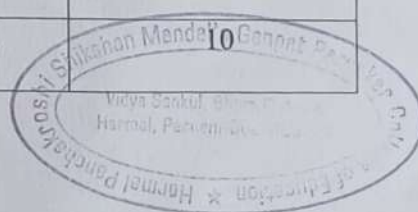
Time: 10.00 a.m. to 5.00 p.m.

Objectives of the event:

- To promote the college as one of the premier institutions for undergraduate mathematics and Physics courses.
- To create a team-building spirit among students and enable them to organize various mathematics-related activities.

Participants registered for the event:

Sr. No.	Name of the team	No. of Participants
1.	Dnyanprasarak Mandal's PVS SM Kushe Higher Secondary School, Assagao Goa.	10
2.	GVM's Higher Secondary School	10
3.	Harmal Panchakroshi Higher Secondary School, Harmal Goa.	10
4.	Siddharth Bandodkar Higher Secondary School, Velguem Goa.	10
5.	Don Bosco Higher Secondary School, Panjim Goa.	10
6.	Dr. K. B. Hedgewar Higher Secondary School	10
7.	St. Francis Xavier's Higher Secondary School, Siolim Goa.	05
8.	S. E.'s Purushottom Walawalkar Higher Secondary School, Khorlim Mapusa Goa.	08
9.	Mushtifund Higher Secondary School, St. Cruz, Cujira Goa.	10



Organizing body: Department of Mathematics and Department of Physics

- **Members of the Organizing body:** All students of
Fo.Y.B.Sc.B.Ed.(Mathematics & Physics), F.Y. & S.Y. B.Sc.B.Ed.(PCM)

Sr.No.	Name
1	Ms. Namrata Khorje (Incharge - Department of Mathematics)
2	Mr. Suraj Parmekar (Coordinator - Department of Mathematics)
3	Mr. Karesh Phondekar (Coordinator - Department of Physics)

More details of the event:

- **Formal Function:**

Chief Guest	Guest of Honor
Mr. Laxmikant Parsekar Chairman - HPSM	Dr. Pandurang Pandit Principal - HPSM's Ganpat Parsekar College of Education, Harmal- Goa

Competitions:

1. Reel karo feel karo (Reel making Competition)

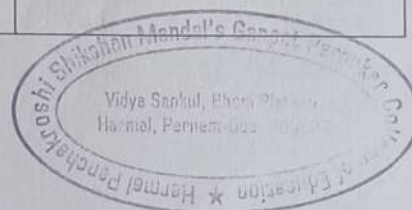
- **Theme:** Prepping for Tesseract 2.0
- **No of the teams participated:** 07
- **No of participants per team:** 01

- **Judges:**

1.	Ms. Nikita Sawant, Assistant Professor, GPCOE
2.	Ms. Mrunali Sawant, Assistant Professor, GPCOE

- **Winner:**

1 st Place	2 nd Place	3 rd Place
Mr. Hasari Ramdas Dessai	Mr. Amay Bhosle	Mr. Daanish Kalghatgi
Team: Mushtifund Higher Secondary School, St. Cruz, Cujira Goa.	Team: Harmal Panchakroshi Higher Secondary School, Harmal Goa.	Team: Don Bosco Higher Secondary School, Panjim Goa.



2. Slide Wars (Powerpoint presentation competition)

- No. of teams participated: 08
- No of participants per team: 01

• Judges:

1.	Dr. Akshay Salkar, Assistant Professor, GPCOE
2.	Dr. Prasad Patil, Assistant Professor, GPCOE
3.	Ms. Winita Rawool, Assistant Professor, Vidya Prabhodini, Porvorim

• Winner:

1 st Place	2 nd Place	3 rd Place
Mr. Vedant Keluskar	Mr. Vinayak Govekar	Mr. Baabul Velip
Dr. K. B. Hedgewar Higher Secondary School	Team: Harmal Panchakroshi Higher Secondary School, Harmal Goa.	Team: Don Bosco Higher Secondary School, Panjim Goa.

3. Starlit Strokes (Poster making competition)

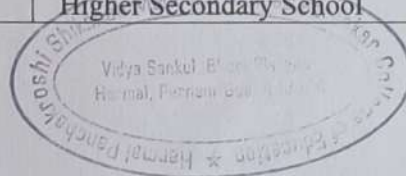
- **Theme:** India's Contribution to Physics in Space
- No. of teams participated: 09
- No of participants per team: 02

• Judges:

1.	Mr. Pritesh Naik, Assistant Professor, GPCOE
2.	Ms. Sushama Salgaonkar, Assistant Professor, GPCOE

• Winner:

1 st Place	2 nd Place	3 rd Place
Ms. Saniksha Mhamal Ms. Prachi Naik	Ms. Sahina Mondal Ms. Rashi Holkar	Ms. Ahillya Sanjay Bhingule Ms. Hasri Dessai
Team: Harmal Panchakroshi Higher Secondary School	Team: St. Francis Xavier's Higher Secondary School, Siolim Goa.	Team: Mushtifund Higher Secondary School, St. Cruz, Cujira Goa.
		Ms. Vedana Ms. Pauravi
		Team: Dr. K. B. Hedgewar Higher Secondary School



4. Apti Quest (Mathematics quiz competition)

- No. of teams participated: 09
- No of participants per team: 02
- Quiz Master – Mr. Suraj Parmekar
- Winner:

1 st Place	2 nd Place	3 rd Place
Mr. Tanay Prabhu Mr. Aditya Bingekar	Mr. Sanjeev Natu Mr. Varad Naik	Mr. Nishad Naik Mr. Divyatmaj Tamhankar
Team: GVM's SNJA Higher Secondary School	Team: Don Bosco Higher Secondary School	Team: S. E.'s Purushottom Walawalkar Higher Secondary School, Khorlim Mapusa Goa.

5. Third Degree (Stress Interview)

- No. of teams participated: 08
- No of participants per team: 01
- Judges:

1.	Ms. Siena Fernandes , Assistant Professor, GPCOE
2.	Ms. Neha Parsekar, Assistant Professor, GPCOE
3.	Mr. Karesh Phondekar, Assistant Professor, GPCOE

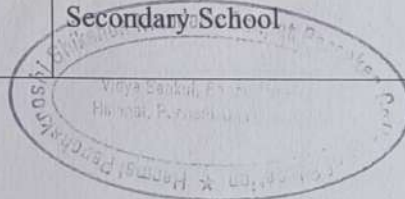
- Winner:

1 st Place	2 nd Place	3 rd Place
Mr. Olav Do Rosario	Mr. Mayank Vasudev Bhanaji	Mr. Trayee Dhaimodkar
Team: Don Bosco Higher Secondary School	Team: Mushtifund Higher Secondary School, St. Cruz, Cujira Goa.	Team: GVM's SNJA Higher Secondary School

6. Chauk Gaye??? (Surprise event)

- No. of teams participated: 07
- No of participants per team: 01
- Winner:

1 st Place	2 nd Place	3 rd Place
Team: Dr. K. B. Hedgewar Higher Secondary School	Team: Siddharth Bandodkar Higher Secondary School, Velguem Goa.	Team: Don Bosco Higher Secondary School



7. Creative Constructs (Model making competition)

- No. of teams participated: 08
- No of participants per team: 01 or 02
- Judges:

1.	Ms. Namrata Khorje , Assistant Professor, GPCOE
2.	Mr. Karesh Phondekar, Assistant Professor, GPCOE

Winner:

1 st Place	2 nd Place	3 rd Place
Ms. Suhani Naik	Mr. Amay Bhosle Ms. Joneza Pinto	Mr. Harsh Patel Mr. Dhyan Goswami
Team: Don Bosco Higher Secondary School	Team: Harmal Panchakroshi Higher Secondary School	Team: S. E.'s Purushottom Walawalkar Higher Secondary School, Khorlim Mapusa Goa.

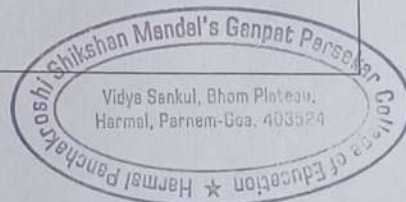
8. Math Meet Fashion (Fashion Show)

- **Theme:** The Five Platonic Solids
- **No. of teams participated:** 08
- **No of participants per team:** 6 - 8
- **Judges:**

1.	Dr. Pradnyesh Satardekar, Assistant Professor, GPCOE
2.	Mr. Hitesh Desai, Assistant Professor, GPCOE
3.	Ms. Shraddha Dhond

Winner:

1 st Place	2 nd Place	3 rd place
Mr. Atharv Bhandari Ms. Olav Do Rosario Mr. Nicole Fernandes Ms. Suhani Naik Ms. Varad Naik Ms. Daanish Kalghatgi	Ms. Pranjal Gaonkar Ms. Hasri Dessai Mr. Archit Pednekar Mr. Rajdeep Matodkar Mr. Aashay Naik Ms. Isha Jumnei	Ms Shritika Acharya Mr. Tanay Prabhu Mr. Rajguru Kudnekar Mr. Aryan Sharma Mr. Mandeep Narvekar Mr. Aditya Bingeekar Mr. Sarvesh
Team: Don Bosco Higher Secondary School	Team: Mushtifund Higher Secondary School, St. Cruz, Cujira Goa.	Team: GVM's SNJA Higher Secondary School

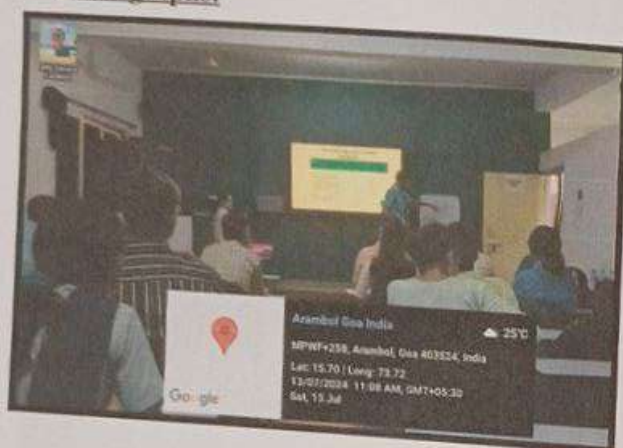


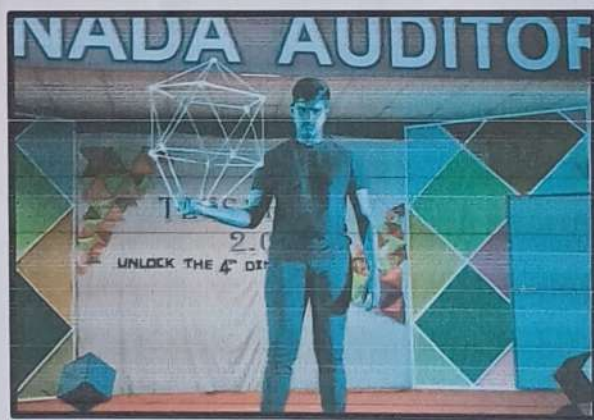
		Ms. Joneza Pinto Mr. Mitesh Parab Mr. Venkatesh Gauda Mr. Vinayak Govekar Ms. Saniksha Mhamal Ms. Prachi Naik Mr. Uttam Parab Mr. Amay Bhosle
		Team: Harmal Panchakroshi Higher Secondary School

Winner: Don Bosco Higher Secondary School, Panjim Goa.

Runners-up: Harmal Panchakroshi Higher Secondary School, Harmal

Photographs:







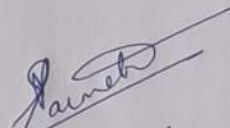
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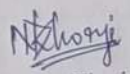


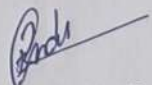
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 Harmel, Pernem-Goa, 403524
 College of Education * Harmel Panchayat




Mr. Suraj Parmekar
Coordinator
Department of
Mathematics


Mr. Karesh Phondekar
Coordinator
Department of Physics

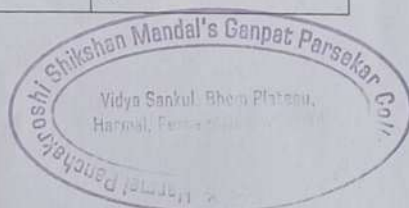

Ms. Namrata Khorje
In-charge
Department of
Mathematics


Dr. Pandurang Pandit
Principal



Feedback Analysis – Tesseract 2.0

The event was well organised	Were the competition topics and questions appropriately challenging?	Do you feel more confident about participating in extra curricular activities	How would you rate your overall experience with Tesseract?
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5	5	5	5
5	3	5	3
5	5	5	4
5	4	4	4
5	5	5	5
4.7	4.6	4.5	4.38

Conclusion: The participants said that the event was well organised and that the competition topics and questions appropriately challenging. They felt more confident about participating in extracurricular activities and that their overall experience with the event was quite good.

