

KAHM Unity Women's College, Manjeri

Programme Report

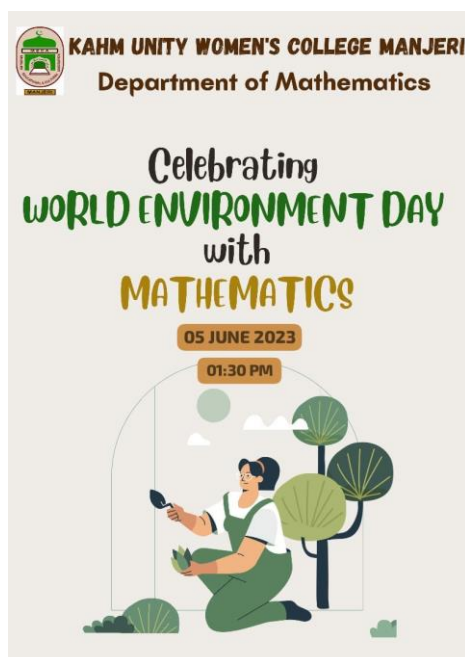
(The format is prepared and circulated by IQAC)

1.Name of the programme	Mathematics of Environment: Poster Presentation
2.Aim, Objectives, and Scope of the programme	Aim: The aim of this poster presentation was to promote environmental awareness by showcasing the interconnectedness of mathematics and the environment. By using mathematical concepts, the event aimed to enhance understanding of environmental issues and encourage sustainable practices. Objectives: 1. To demonstrate the application of mathematical principles in environmental science. 2. To raise awareness about environmental issues among students and faculty. 3. To foster an interdisciplinary approach to solving environmental problems. 4. To engage students in creating educational and impactful posters that reflect the synergy between mathematics and the environment. Scope: 1. Engaging students from various disciplines in the creation of posters that highlight environmental issues using mathematical concepts. 2. Involving faculty members in guiding and mentoring students throughout the project.

	3. Providing a platform for students to present their work to peers, faculty, and the college community. 4. Encouraging collaboration between the Mathematics Department and the Mathematics Club to organize future interdisciplinary events.
3.Name of the coordinator/organizing secretary	Ashitha PA
4.Date of programme	05/06/2023
5.Mode of the programme(offline/online)	Offline
6.Total number of attendees/participants	20
7.Organizing body	Department of Mathematics & Mathematics and Statistics Club
8.Organizing committee members	1. Fathima S 2. Hiba Jasmine P 3. Najiya Thasneem VK
9.Students' involvement in organizing the programme	1. Coordinating the event 2. creation of the posters.
10.Detailed report of the programme	The event was inaugurated by the college Principal, Prof. (Dr.) Muhammad Basheer Ummathur, who emphasized the importance of integrating mathematical concepts into understanding and addressing environmental challenges. The exhibition featured posters created by students that illustrated various environmental issues through the lens of mathematics. Faculty members provided guidance and mentorship to students, helping them develop their ideas and refine their posters. The students researched their topics thoroughly, applying mathematical theories and tools to analyze and propose solutions to environmental problems. Posters were displayed on boards in a common area of the college, allowing students, faculty, and other members of the college community to view them at their convenience. This setup facilitated informal discussions and interactions between the creators and the viewers,

	fostering a deeper understanding of the presented topics.
11.Feedback of the programme	1.The clarity and effectiveness of the posters. 2.The relevance and impact of the mathematical concepts applied. 3.ooSuggestions for future events and improvements.
12.Feedback analysis	The feedback indicated a high level of appreciation for the innovative approach of combining mathematics with environmental science. Viewers found the posters to be informative and engaging, and the presentations helped deepen their understanding of environmental issues. Some suggestions for improvement included: 1.Including more interactive elements in the posters. 2.Expanding the event to include participants from other departments. 3.Increasing the visibility and accessibility of the posters.
13.Outcome, Evaluation, and results of the programme	1.Enhanced awareness of environmental issues and the role of mathematics in addressing them. 2. Strengthened collaboration between the Mathematics Department and the Mathematics Club. 3.Positive feedback from the college community, indicating support for similar future events.
14.Signature of the organizing secretary	

Brochure and Photos



Department of Mathematics &
Mathematics and Statistics club

Mathematics of Environment: poster presentation.

02/02/2023 : 1.30 pm

List of participants

1. Fathima S
2. Insiya Mahrin
3. Isha Naveen
4. Nayya Thameem-K.V
5. Shamsa-B.K
6. Sanyal Fathima-P
7. Shamsa-K
8. Fathima Sharika-N.P
9. Jafar-O.T
10. Isha Jasmine
11. Risha C
12. Fathima Sherin-M.N
13. Ansa Sherin-P
14. Shamsa-K
15. Sana-K
16. Nayya-P
17. Fathima Isha-V
18. Fathima Fathima-U
19. Fathima Henna
20. Lubqha-N

KAHM Unity Women's College, Manjeri

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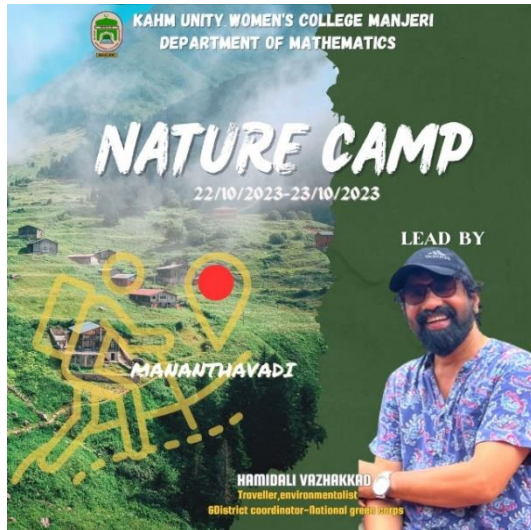
1.Name of the programme	Nature Camp: Mananthavadi, Wayanad
2.Aim, Objectives, and Scope of the programme	Aim: To foster a profound understanding and appreciation for nature, wildlife, and environmental conservation among students through immersive and educational experiences. The objectives of the workshop were as follows: 1. To provide students with hands-on learning experiences in natural settings. 2. To enhance students' knowledge of local flora, fauna, and tribal cultures. 3. To involve students in eco-friendly initiatives to promote environmental responsibility. 4. To develop teamwork and leadership skills through collaborative activities. Scope The nature camp targeted 36 BSc Mathematics students, aiming to broaden their educational experience beyond the classroom. Through interactive and practical sessions, the camp sought to build a strong foundation in environmental science and conservation principles. The collaborative efforts with local experts and the Good Earth Organization ensured a rich and diversified learning environment.
3.Name of the coordinator/organizing secretary	Ashitha P A
4.Date of programme	October 22nd and 23rd, 2023

5.Mode of the programme(offline/online)	Offline
6.Total number of attendees/participants	42
7.Organizing body	Department of Mathematics Mathematics and Statistics Club
8.Organizing committee members	1. Abdul Rof V 2. Farsana M 3. Sona K
9.Students' involvement in organizing the programme	1. Students participated in the planning meetings organized by the Department of Mathematics and the Mathematics and Statistics Club. 2. Volunteers assisted the coordinators, Ms. Ashitha PA and Ms. Farsana M, in organizing logistics, such as transportation, accommodation, and meal arrangements. 3. Students helped in creating promotional materials and spreading awareness about the camp among their peers.
10.Detailed report of the programme	Day 1: October 22, 2023 Inauguration: Mr. Tharanath, Beat Forest Officer, South Wayanad, inaugurated the camp, emphasizing the importance of environmental conservation and the role of youth in protecting nature. Sessions: Introduction to Environmental Conservation: Renowned environmentalist Mr. Hamid Ali delivered an engaging session on the critical aspects of wildlife conservation and sustainable practices. Eco-friendly Initiatives: Led by Mr. Shaji, Deputy Range Officer, participants engaged in activities such as cleaning invasive plants and plastic cleanup in designated forest areas. Activities:

	Trekking to Kuruva Dweep: Students embarked on a guided trek to Kuruva Dweep, exploring the rich biodiversity and learning about the ecological significance of the island. Sky-watching Session: Conducted at night, this session allowed students to observe celestial bodies, fostering an interest in astronomy and its connection to environmental science. Day 2: October 23, 2023 Sessions: Bird-watching: An early morning bird-watching session, led by local experts, introduced students to various bird species and their habitats. Visit to Local Tribal Settlements: Students visited nearby tribal communities to understand their sustainable living practices and symbiotic relationship with nature. Activities: Educational Field Visits: Students conducted field studies of forest trees, learning about different species, their uses, and their role in the ecosystem. Concluding Session: The camp concluded with a reflection session where students shared their experiences and insights gained during the camp..
11.Feedback of the programme	Positive Aspects: • 95% of students appreciated the hands-on learning experiences. • 90% felt more connected to nature and motivated to participate in environmental conservation activities. • 85% found the sessions led by experts highly informative and engaging. Areas for Improvement:

	• Some students suggested extending the camp duration for a more in-depth exploration. • A few students recommended including more interactive workshops on sustainable practices.
12.Feedback analysis	The feedback indicated a high level of satisfaction among participants, with most students expressing a newfound appreciation for nature and a willingness to engage in conservation efforts. The suggestions for improvement will be considered for future camps to enhance the learning experience.
13.Outcome, Evaluation, and results of the programme	Enhanced Environmental Awareness: Students gained comprehensive knowledge about local ecosystems, wildlife, and conservation practices. Practical Skills: The hands-on activities equipped students with practical skills in environmental science and eco-friendly practices. Cultural Understanding: Visiting tribal settlements helped students appreciate diverse cultures and sustainable living practices. Teamwork and Leadership: Collaborative activities fostered teamwork and leadership skills among participants.
14.Signature of the organizing secretary	





Department of Mathematics & Mathematics and Statistics Club

KAHM Unity Women's College, Manjeri

Nature Camp

22nd & 23rd October 2023

List of participants

**KORAMBAYIL AHAMED HAJI MEMORIAL
UNITY WOMEN'S COLLEGE, MANJERI**
(P.O) Narukara, Malappuram DL, Kerala 676 122
(Govt. aided and Affiliated to University of Calicut)
Nationality accredited by NAAC at "B++" grade (GPA 2.71)
Phone: 0483 - 2877142
Fax: 2877143
e-mail: info@unitywomenscollege.in
Web: www.unitywomenscollege.in
Principal: DR. MUHAMMAD ERRIYANATHAN
Date: 20-10-2023
Ref: 03/141(A)/2023

PROPOSAL FOR THE STUDY TOUR PROGRAMME: 2023-24

Name of the college	KAHM UNITY WOMEN'S COLLEGE, MANJERI
Department	Mathematics
Class	1 st and 3 rd Semester Ede Mathematics
Academic Year	2023-24
No. of students	42
Place proposed to be visited	KUDAVA ISLAND, MANATHAVALLY, WAYANAD
Date of commencement	22/10/2023
Date of completion	23/10/2023
Total Number of Days	2
Total Number of Hosts	1
Programme Class	College level
Mode of Communication	College level
Name & designation of Staff members accompanying the tour	1. Abdul Kadir (Head of the Department) 2. Aishwarya (Assistant Professor) 3. Farzana M (Assistant Professor/Ad-hoc)
Leafy name with designation	Aishwarya P.A. Farzana M
Number of the vehicle	
Name and Mobile No. of the vehicle driver	

Certificate
I certify that the student camp to the above subject forms an academic requirement to be satisfied by the students of the above said class. I also certify that the conveyance facility for the tour strictly adheres the RTI rules of the Union through which the study tour is operating.
Principal
Date: 20/10/2023
Name and Signature of HoD

**KORAMBAYIL AHAMED HAJI MEMORIAL
UNITY WOMEN'S COLLEGE, MANJERI**
(P.O) Narukara, Malappuram DL, Kerala 676 122
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e-mail: info@unitywomenscollege.in
Web: www.unitywomenscollege.in
Principal: DR. MUHAMMAD ERRIYANATHAN
Date: 20-10-2023
Ref: 03/141(A)/2023

LIST OF STUDENTS AND STAFF

Sl. No.	Name	Age	Sl. No.	Name	Age
1	Shruti K	19	27	Hiba Farhin	19
2	Shruti K	26	28	Shruti K	31
3	Asha Shanthi P	20	29	Devika	23
4	Farzana K	19	30	Shantini	19
5	Fathima Wale U	19	31	Shantini	19
6	Fathima Hanifa C T	19	32	Shruti Shanta	19
7	Lathika S	19	33	Rashmi P	19
8	Hameed K	20	34	Fathima Khatun	20
9	Mahima N M	20	35	Shruti Shanta	20
10	Aishwarya P	19	36	Shruti Shanta	19
11	Shruti Shantini	19	37	Shruti S	19
12	Rashmi M E	19	38	Asha	19
13	Shruti Shantini	20	39	Fathima Shantini K	19
14	Shruti Shantini	20	40	Shruti K	19
15	Shruti M	19	41	Shruti K	19
16	Shruti K P	19	42	Shruti K	19
17	Shruti K P	19	43	Shruti K	19
18	Shruti Shantini K R	20	44	Shruti K	19
19	Shruti Shantini	20	45	Shruti K	19
20	Shruti P	19	46	Shruti K	19
21	Shruti P P (R)	19	47	Shruti K	19
22	Shruti Shantini P	19	48	Shruti K	19
23	Shruti Shantini P	20	49	Shruti K	19
24	Shruti Shantini M	20	50	Shruti K	19
25	Shruti Shantini M	19	51	Shruti K	19
26	Shruti K	20			

Principal
Name and Signature of HoD

KAHM Unity Women's College, Manjeri

Programme Report

(The format is prepared and circulated by IQAC)

1.Name of the programme

Mathematics and Statistics Expo in
Commemoration of National Mathematics Day

2.Aim, Objectives, and Scope of the programme	Aim and Objectives: The aim of the Mathematics and Statistics Expo was to celebrate National Mathematics Day by promoting an engaging and accessible understanding of mathematical concepts. The specific objectives were: To foster a positive and interactive learning environment for participants. To encourage active involvement in mathematics through hands-on activities and interactive sessions. To showcase the practical applications and relevance of mathematics in everyday life. Scope Participative learning activities such as puzzles, problem-solving challenges, and interactive demonstrations. Involvement of various stakeholders including students, faculty members, and guest speakers. Promotion of mathematical thinking and creativity among participants. Highlighting the commitment of the Mathematics and Statistics Club towards promoting mathematics education.
3.Name of the coordinator/organizing secretary	Ashitha P A
4.Date of programme	21st December 2023
5.Mode of the programme(offline/online)	Offline
6.Total number of attendees/participants	
7.Organizing body	Department of Mathematics in collaboration with Mathematics and Statistics Club
8.Organizing committee members	1. Fathima Rifa 2. Sadhiya Sherin 3. Farsana M
9.Students' involvement in organizing the programme	1. Coordinating the event 2. Promoting the event through various channels, such as social media and posters 3. Providing technical support during the event
10.Detailed report of the programme	The Mathematics and Statistics Expo commenced with an opening address by Ms.

	Ashitha PA, the Coordinator of the Mathematics and Statistics Club, emphasizing the significance of National Mathematics Day and the objectives of the event. The Expo featured multiple stations where participants engaged in activities ranging from solving mathematical puzzles to exploring real-world applications of mathematical principles. Key contributors such as Ms. Farsana, Ms. Najiya (Association Secretary), Ms. Rifa, and Sadhiya Sherin facilitated different activities throughout the day. They provided guidance and explanations, ensuring that participants had a comprehensive learning experience. Students actively participated in the Expo, forming teams to tackle challenges and compete in friendly problem-solving contests. They demonstrated enthusiasm and creativity in applying mathematical concepts to solve practical problems.
11.Feedback of the programme	Engagement: Many participants expressed satisfaction with the interactive nature of the activities and appreciated the opportunity to apply theoretical knowledge practically. Learning Impact: Several attendees noted that their understanding of certain mathematical concepts had improved as a result of participating in the Expo. Suggestions for Improvement: Some participants suggested incorporating more advanced level challenges and extending the duration of certain activities.
12.Feedback analysis	The feedback received was overwhelmingly positive, highlighting the success of the Expo in achieving its objectives. Participants appreciated the efforts of the organizers and felt inspired by the practical applications showcased during the event. Areas for improvement, such as increasing the complexity of challenges, will be considered in planning future events.
13.Outcome, Evaluation, and results of the programme	Outcome of the Programme: Celebrated the spirit of mathematics by making it accessible and enjoyable for participants. Fostered an interactive learning environment that encouraged active participation and engagement.

	Demonstrated the practical relevance of mathematics in various fields, inspiring students to explore the subject further. Strengthened the sense of community within the Department of Mathematics and the Mathematics and Statistics Club.
14. Signature of the organizing secretary	



National Statistics Day Celebration

Programme Report

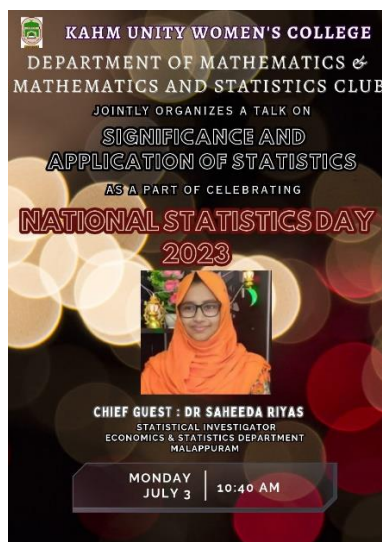
(The format is prepared and circulated by IQAC)

1.Name of the programme	National Statistics Day Observation
2.Aim, Objectives, and Scope of the programme	Aim The aim of the National Statistics Day Observation was to highlight the significance and applications of statistics in various fields, fostering a deeper understanding and appreciation of statistical tools and techniques among students and faculty. Objectives

	• To emphasize the importance of statistics in decision-making and policy formulation. • To provide insights into key statistical concepts and their practical applications. • To engage students and faculty in discussions on the role of statistics in understanding real-world phenomena. • To celebrate National Statistics Day by promoting statistical literacy. Scope • Organizing a talk on the significance and applications of statistics. • Involving faculty members and students from the Department of Mathematics and the Mathematics and Statistics Club. • Providing a platform for expert insights and interactive discussions on statistical topics.
3.Name of the coordinator/organizing secretary	Ashitha P A
4.Date of programme	03/07/2023
5.Mode of the programme(offline/online)	Offline
6.Total number of attendees/participants	52
7.Organizing body	Department of Mathematics & Mathematics and Statistics Club
8.Organizing committee members	Rahma Padikkamannil Hiba Sherin
9.Students' involvement in organizing the programme	• Coordinating the event • Promoting the event through various channels, such as social media and posters • Providing technical support during the event
10.Detailed report of the programme	The event was inaugurated by Principal Prof. (Dr.) Muhammed Basheer Ummathur, who highlighted the importance of statistics in contemporary society. IQAC Coordinator Dr. AK Shahina Mol also addressed the gathering,

	emphasizing the role of statistical literacy in academic and professional development. Dr. Saheeda Riyas, Statistical Investigator from the Department of Economics and Statistics Malappuram, delivered an insightful talk on "Significance and Applications of Statistics." She covered the following key areas: 1.Importance of Statistics: Discussed the role of statistics in decision-making, policy formulation, and understanding real-world phenomena. 2.Key Statistical Concepts: Explained fundamental statistical concepts, tools, and techniques. 3.Practical Applications: Showcased practical applications of statistics through examples and case studies, demonstrating how statistical methods are used in various fields such as economics, healthcare, and social sciences. Following the presentation, there was an interactive session where students and faculty members engaged with Dr. Saheeda Riyas, asking questions and discussing various aspects of statistical applications. This session provided a deeper understanding of the topics covered and encouraged active participation from the audience.
11.Feedback of the programme	1. Informative and engaging presentation. 2. Relevant and beneficial content. 3. Effective use of examples and case studies.
12.Feedback analysis	The feedback indicated a high level of appreciation for the informative and engaging presentation. Participants found the talk to be highly relevant and beneficial in understanding the practical applications of statistics. Some suggestions for future improvements included: 1.Including more interactive elements in the presentation. 2.Organizing workshops on specific statistical tools and techniques. 3.Expanding the event to include participants from other departments.
13.Outcome, Evaluation, and results of the programme	Outcome of the Programme:

	1.Enhanced awareness of the significance and applications of statistics. 2.Improved understanding of key statistical concepts and their practical applications. 3.Strengthened collaboration between the Department of Mathematics and the Mathematics and Statistics Club. 4.Positive feedback from participants, indicating support for similar future events.
14.Signature of the organizing secretary	



ചന്ദ്രിക

ദിനാചരണം

മഞ്ചേരി : സ്റ്റാറ്റിസ്റ്റിക്സ് ദിനാചരണത്തിന്റെ ഭാഗമായി മഞ്ചേരി കെ.എ. എച്ച്.എം. യൂണിറ്റി വിമൻസ് കോളജിലെ ഗണിത ശാസ്ത്ര വകുപ്പും, മാത്തമാറ്റിക്സ് ആന്റ് സ്റ്റാറ്റിസ്റ്റിക്സ് ക്ലബ്ബും സംയുക്തമായി പ്രഭാഷണം സംഘടിപ്പിച്ചു. ഡോ. സഹിദാ റിയാസ് വിഷയം അവതരിപ്പിച്ച് സംസാരിച്ചു. പ്രിൻസിപ്പൽ പ്രഫ. ഡോ. മുഹമ്മദ് ബഷീർ ഉമ്മത്തൂർ, ഐ.ക്യു.എ .സി. കോർഡിനേറ്റർ ഡോ: എ. കെ.ഷാഹിന മോൾ, അബ്ദുൾ റൗഫ്, അഷിത പി.എ, ഫർസാന, എം., ക്ലബ് സ്റ്റുഡന്റ് കോർഡിനേറ്റർ ഹിബ ഷൈറിൻ പ്രസംഗിച്ചു.

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Attendance

Department of Mathematics & Mathematics and Statistics Club
KAHM Unity Women's College, Manjeri
National Statistics day Observation
July 2023
Attendance

No	Name	Signature
1	Fathima Saniya H	Saniya
2	Hanuma R	Hanuma
3	Parvathi Anshida	Anshida
4	Fathima Saniya H	Saniya
5	Fathima Saniya H	Saniya
6	Geetha M	Geetha
7	Jafar T	Jafar
8	Chaitanya Thiruvannam	Chaitanya
9	Rishika M	Rishika
10	Rishika M	Rishika
11	Manu M	Manu
12	Sona K	Sona
13	Nadha K	Nadha
14	Fathima Shadha NP	Fathima
15	Sanya Fathima P	Sanya
16	Shamila K	Shamila
17	Shamila Thiruvannam	Shamila
18	Rishi K	Rishi
19	Fathima S	Fathima
20	Shamila	Shamila
21	Hiba Nazim	Hiba
22	Hiba Nazim	Hiba
23	Hiba Nazim	Hiba
24	Hiba Nazim	Hiba
25	Sanya Fathima P	Sanya
26	Rishi K	Rishi
27	Sanya Fathima P	Sanya

28	Husna A	Husna
29	Hanuma R	Hanuma
30	Lubana N	Lubana
31	Fathima Hanuma C	Fathima
32	Manu M	Manu
33	Nayana P	Nayana
34	Nandana TP	Nandana
35	Indira M	Indira
36	Indira M	Indira
37	Sanya Fathima P	Sanya
38	Fida S	Fida
39	Manu M	Manu
40	Kadisha S	Kadisha
41	Indira M	Indira
42	Anshida P	Anshida
43	Fathima P	Fathima
44	Fida S	Fida
45	Kadisha S	Kadisha
46	Kadisha S	Kadisha
47	Hiba U	Hiba
48	Liza VP	Liza
49	Manu M	Manu
50	Hanuma	Hanuma
51	Sanya Fathima P	Sanya
52	Nishika J	Nishika

Feedback

Event Details	Participant Details
Event Name: <i>NATIONAL STATISTIC DAY OBSERVATION</i>	Name: <i>DEVIKA N.</i>
Date: <i>23/07/2024</i>	Roll No: <i>41</i>
Venue:	Class: <i>BSC MATHEMATICS</i>

- How would you rate the overall quality of the program?
☒ a) Excellent ☐ b) Good ☐ c) Fair ☐ d) Poor
- How relevant was the program to your interests or needs?
☒ a) Highly Relevant ☐ b) Relevant ☐ c) Neutral ☐ d) Irrelevant
- How likely are you to attend similar programs in the future?
☒ a) Very Likely ☐ b) Likely ☐ c) Neutral ☐ d) Unlikely

Event Details	Participant Details
Event Name: <i>NATIONAL STATISTIC DAY OBSERVATION</i>	Name: <i>DEVIKA N.</i>
Date: <i>23/07/2024</i>	Roll No: <i>25</i>
Venue:	Class: <i>BSC MATHEMATICS</i>

- How would you rate the overall quality of the program?
☒ a) Excellent ☐ b) Good ☐ c) Fair ☐ d) Poor
- How relevant was the program to your interests or needs?
☒ a) Highly Relevant ☐ b) Relevant ☐ c) Neutral ☐ d) Irrelevant
- How likely are you to attend similar programs in the future?
☒ a) Very Likely ☐ b) Likely ☐ c) Neutral ☐ d) Unlikely