



DEPARTMENT OF MATHEMATICS

BHARATI COLLEGE
UNIVERSITY OF DELHI

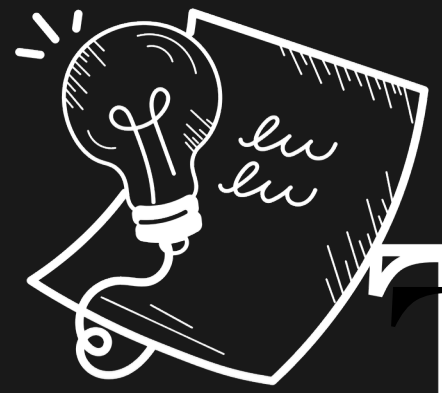


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THE EXPONENTS

Department of Mathematics (2013-TILL DATE)



The Department was established in 2013 with 40 sanctioned seats.



In 2014-2015, the course was rolled back dutying FYUP.



In 2017, The DEPARTMENT OF MATHEMATICS was re-established.



Over the years our department has grown significantly- in terms of student enrollment, faculties joined and academic zeal.

Faculties At Present

DEPARTMENT OF MATHEMATICS



Dr. Aruna Jain
(Teacher-In-Charge)



Dr. Anubha Bhargava



Dr. Meenakshi Gupta

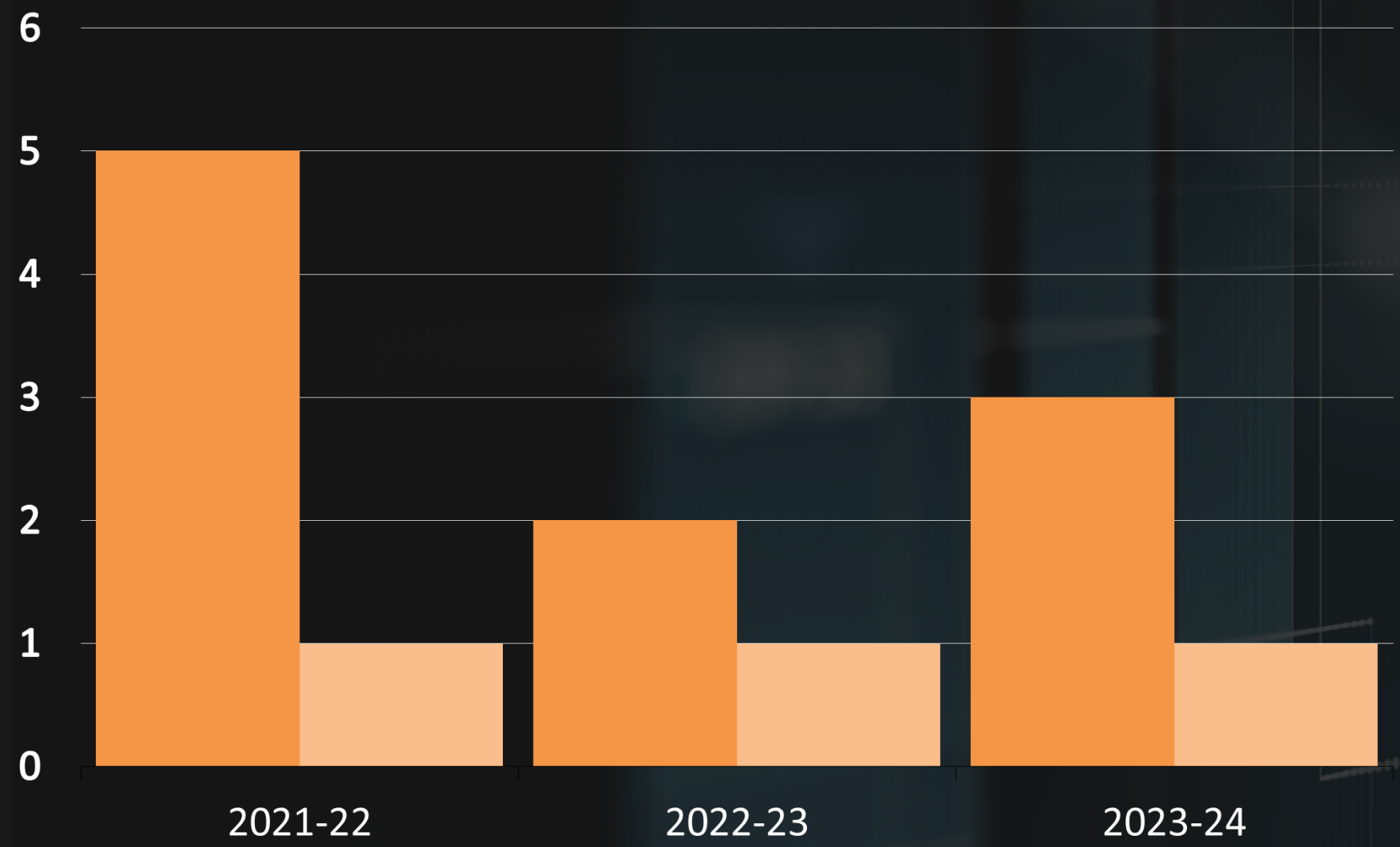


Dr. Ankit Gupta

Faculties	Qualification	Designation	Specialization	No.of Journals	No.of Book Chapters	H index	Vidwaan id
Dr. Anubha Bhargava	Ph.D	Assistant Professor	Topology	1	0	2	https://vidwan.inflibnet.ac.in/profile/622688
Dr. Ankit Gupta	Ph.D	Assistant Professor	Topology	18(SCI/SCI/ESCI-10 Scopus-3 UGC Care-2 Peer Reviewed-3)	11 (Book Published : 01 , Accepted: 01	5	https://vidwan.inflibnet.ac.in/profile/437271
Dr. Meenakshi Gupta	Ph.D	Assistant Professor	Optimization Theory	1	0	3	

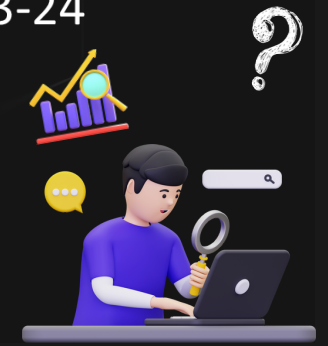
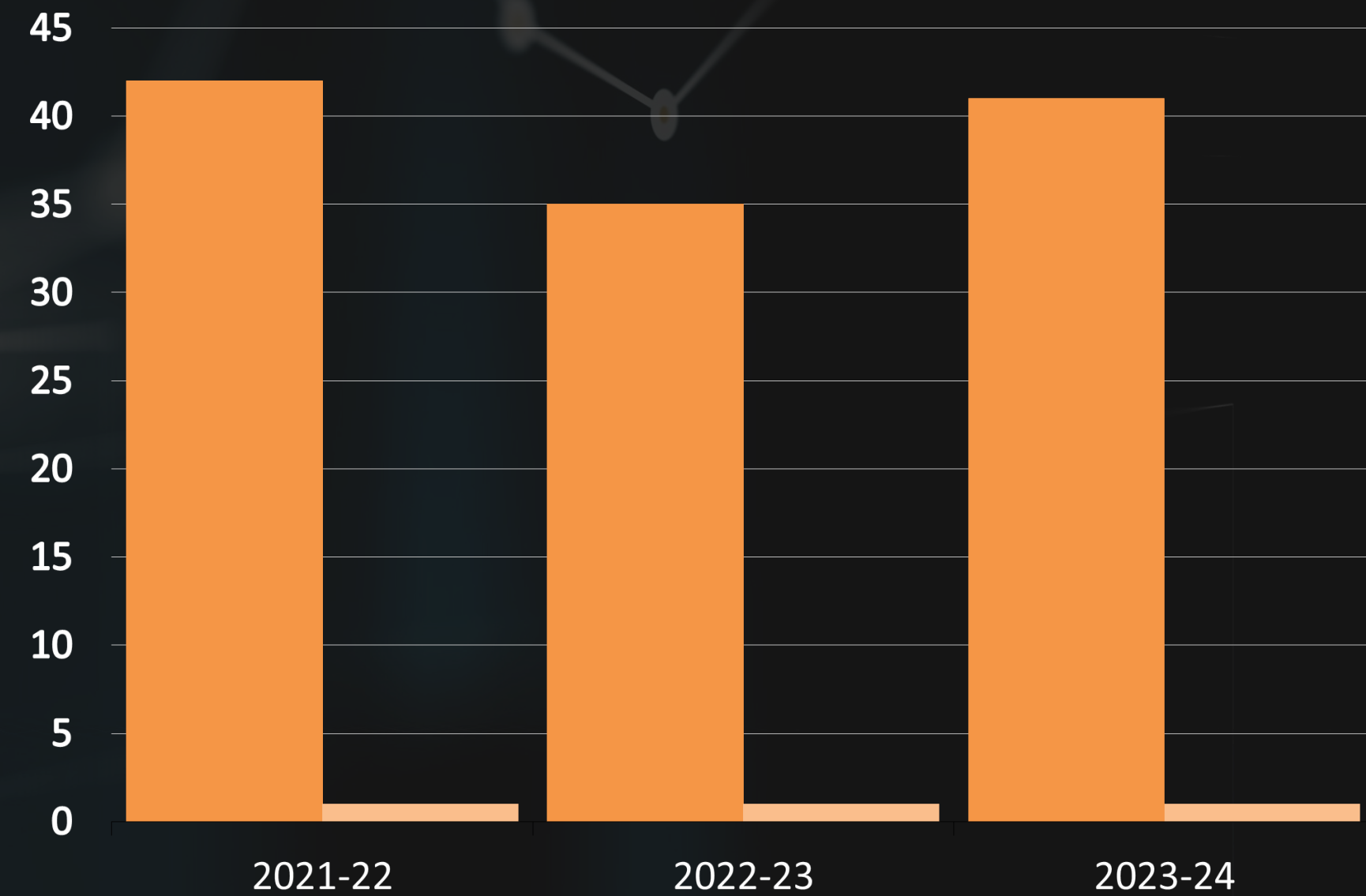
DEMAND RATIO

- Total no. of applications received
- Sanctioned intake



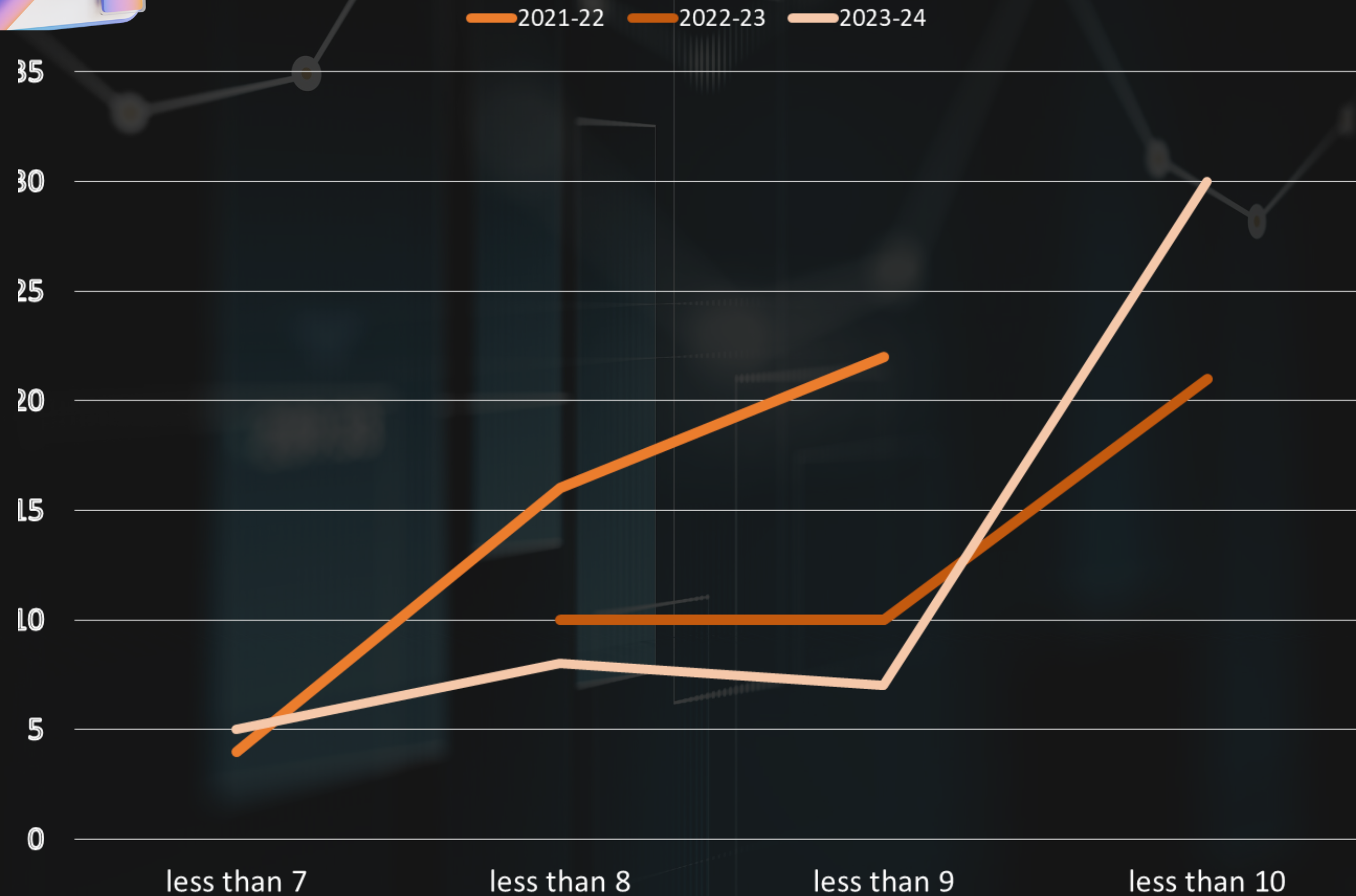
STUDENT-TEACHER RATIO

- NO. OF STUDENTS
- NO. OF TEACHER

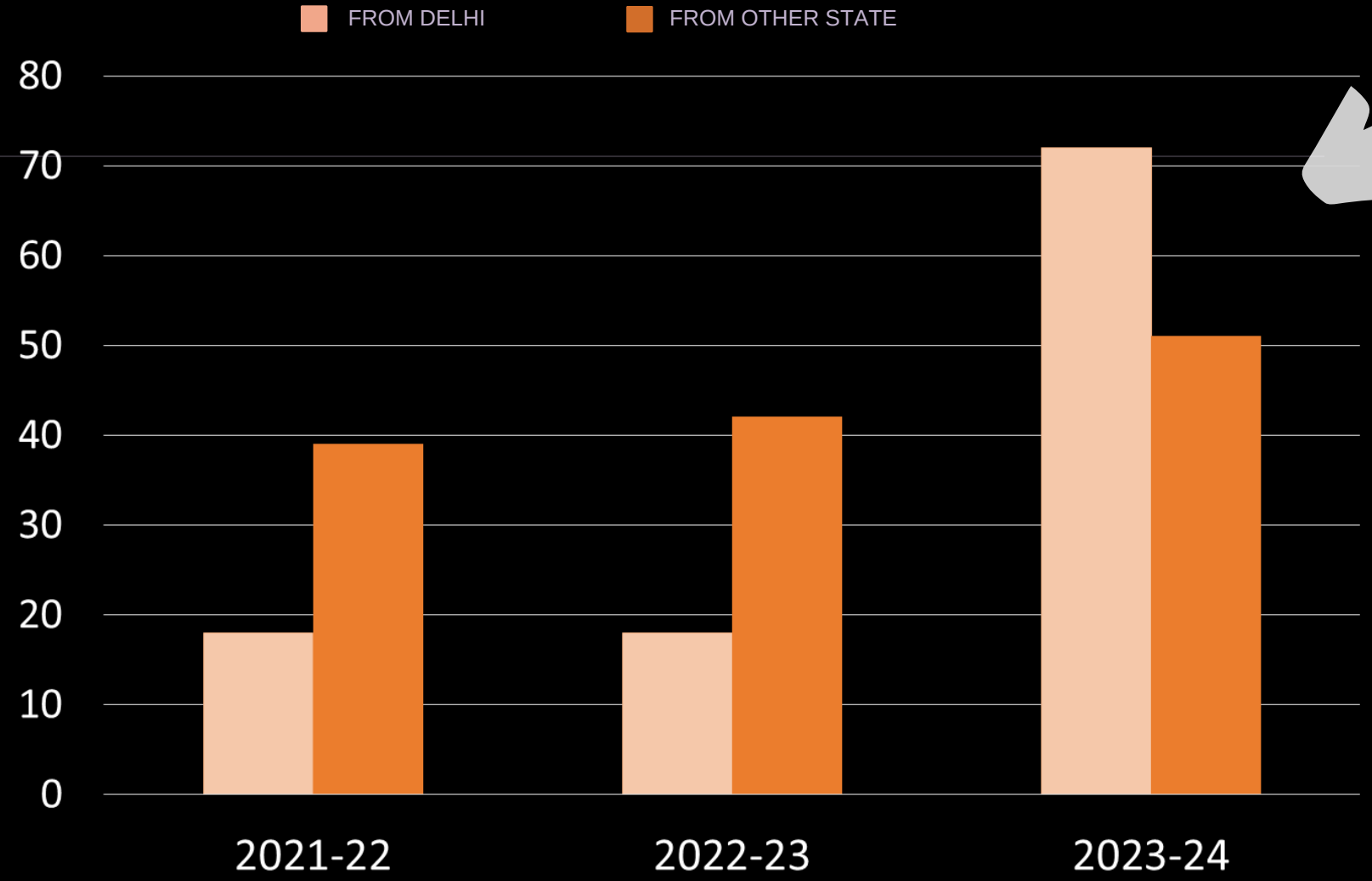




RESULT ANALYSIS



STUDENT ENROLLEMENT



DIVERSITY OF STUDENTS

-STUDENTS FROM DIFFERENT REGIONS ACROSS DIFFERENT INDIAN STATES ENROLL IN MATHEMATICS HONOURS

YEAR	FROM DELHI	FROM OTHER STATES	TOTAL
2021-2022	18	39	57
2022-2023	18	42	60
2023-2024	72	51	123



THE EXPONENTS



DEPARTMENT OF MATHEMATICS



HISTORY OF DEPARTMENT

- The EXPONENTS was formed in 2017.
- The name was decided collectively to convey exponential growth.
- The society aims towards the welfare of mathematics students by bringing in an even handed pool of opportunities.
- The logo design was an inspiration from a logo making competition that the department conducted.

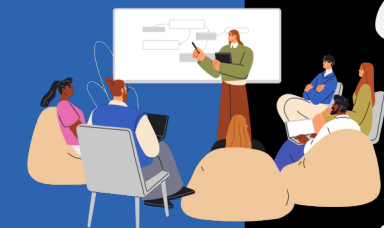


LONG TERM GOALS

- We are looking forward for internships and placements opportunities for students, to provide them experience.
- We are planning to conduct sessions featuring speakers who will cover various complex concepts using visual aids about graphics, technology and much more.
- We are also planning to start a radio talk show where industry professionals can share their experience and insights to explore various fascinating mathematical stories which will foster better learning experience.



STUDENT ACTIVITIES



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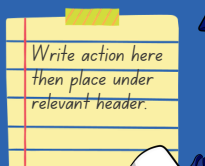
S No.	Name of the Event	Details of the Event
1.	National Mathematics Day Celebration	On the occasion of National Mathematics Day,Dr. Rekha Gupta (Assistant Professor, Miranda House, University of Delhi), delivered a lecture on the topic “The Man Who Knew Infinity.” Captivating quiz and sudoku competitions based on mathematical concepts were organized, and the winners were honored.
2.	Career Counseling Seminar	On February 18, 2025, under the aegis of IQAC (Internal Quality Assurance Cell). The session was held in the Seminar Room, with Dr. Sunil Tripathi (Career Counselor) as the keynote speaker, who provided guidance to students.
3.	Seminar on Quantitative Aptitude for MBA Entrance Exams	Under the aegis of IQAC we organized a special session on the preparation for Quantitative Aptitude in MBA entrance exams by Mr. Abhishek Kaul and Mr. Navneet Anand, experts in MBA entrance exam preparation.
4.	Movie screening “Hidden figures”	The screening allowed students to draw inspiration from the struggles and contributions of women in science and mathematics, fostering awareness and motivation.
5.	Seminar on Advance excel and soft skills training	Under the aegis of IQAC, in collaboration with Anudip Foundation, organized a Seminar on skill-based certifications by IBM and EnY. The aim of the event was to equip students with the knowledge regarding technical proficiency in Advanced Excel and to enhance their soft skills for professional growth.

[For more events, Click here](#)

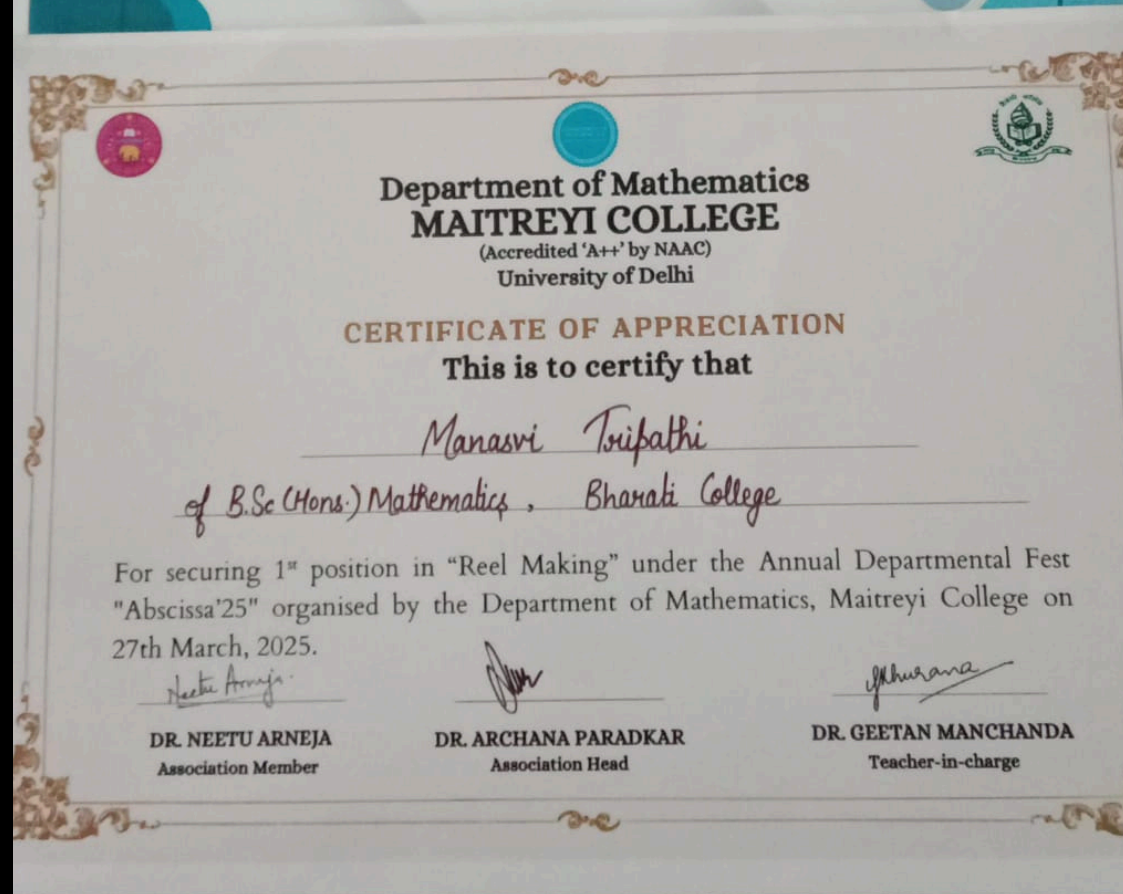
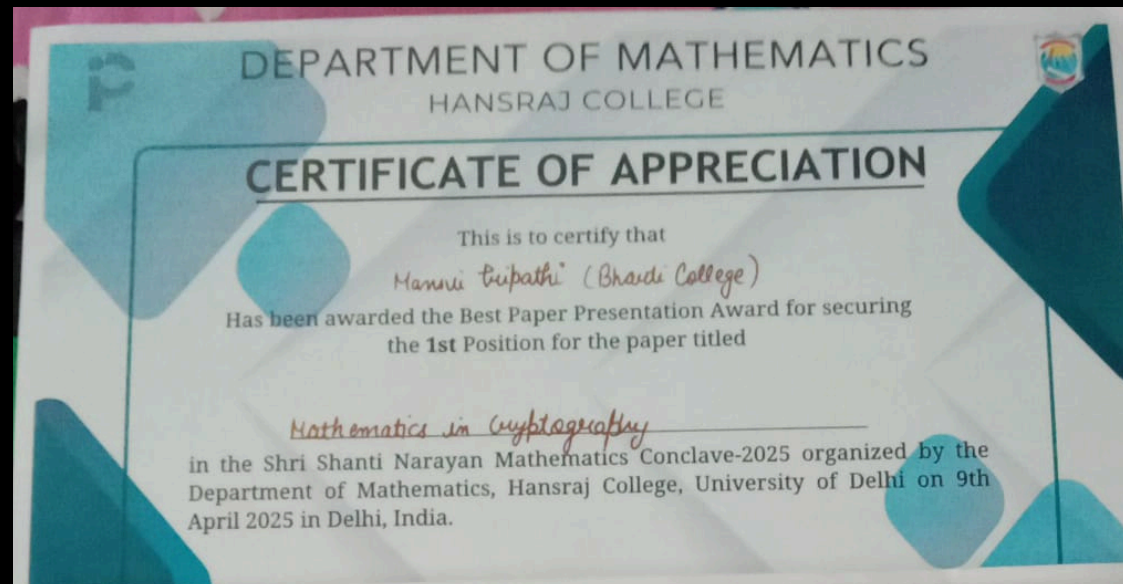


CERTIFICATE/ AWARDS OF STUDENTS

- **Anshika Jha:** 19 national and international awards in debate competitions, showcasing her exceptional public speaking skills.
- **Manasavi Tripathi:** 4 national and international awards in academic competitions, demonstrating her dedication.
- **Sarika:** Recipient of the Excellence Award for achieving the highest CGPA, reflecting her academic excellence.
- **Shriparna Ghosh:** 5 state-level awards in various competitions, highlighting her talent and hard work.



CERTIFICATE/ AWARDS RECEIVED BY OUR STUDENTS



DEPARTMENT'S SOCIAL RESPONSIBILITY

Initiative Of Department Of Mathematics
Under IQAC

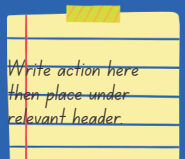
- The department of Mathematics in collaboration with the B.A. Programme has been running Lakshya - The Academic Support Cell in Bharati College.

The Academic Support Cell is part of IQAC. It develops students'

- study skills. It guides math students to teach math to students from other subjects. This teaching helps both students who teach and students who learn. Student-teachers improve understanding, communication, and leadership.

We also teach Vedic Maths. This is an old Indian math system.

- It teaches fast mental math. It builds problem-solving skills. It offers simple ways to solve hard math problems. By teaching Vedic Maths, we help students find a new way to solve problems. We also improve their math skills.



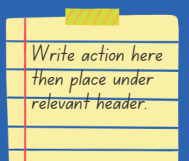
LINK FOR YOUTUBE CHANNEL: <https://www.youtube.com/@ekstepforfuture9715>

UNIQUENESS OF OUR DEPARTMENT

- Our department has been engaged in various innovative and engaging teaching methods.
We foster an environment of culture and exploration and discovery.

We encourage our students to contribute to the departments in their of their expertise.

- Academic students help the students to facilitate connection between mathematics and real-world applications.





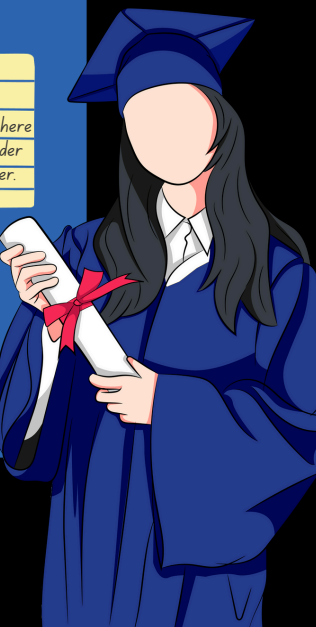
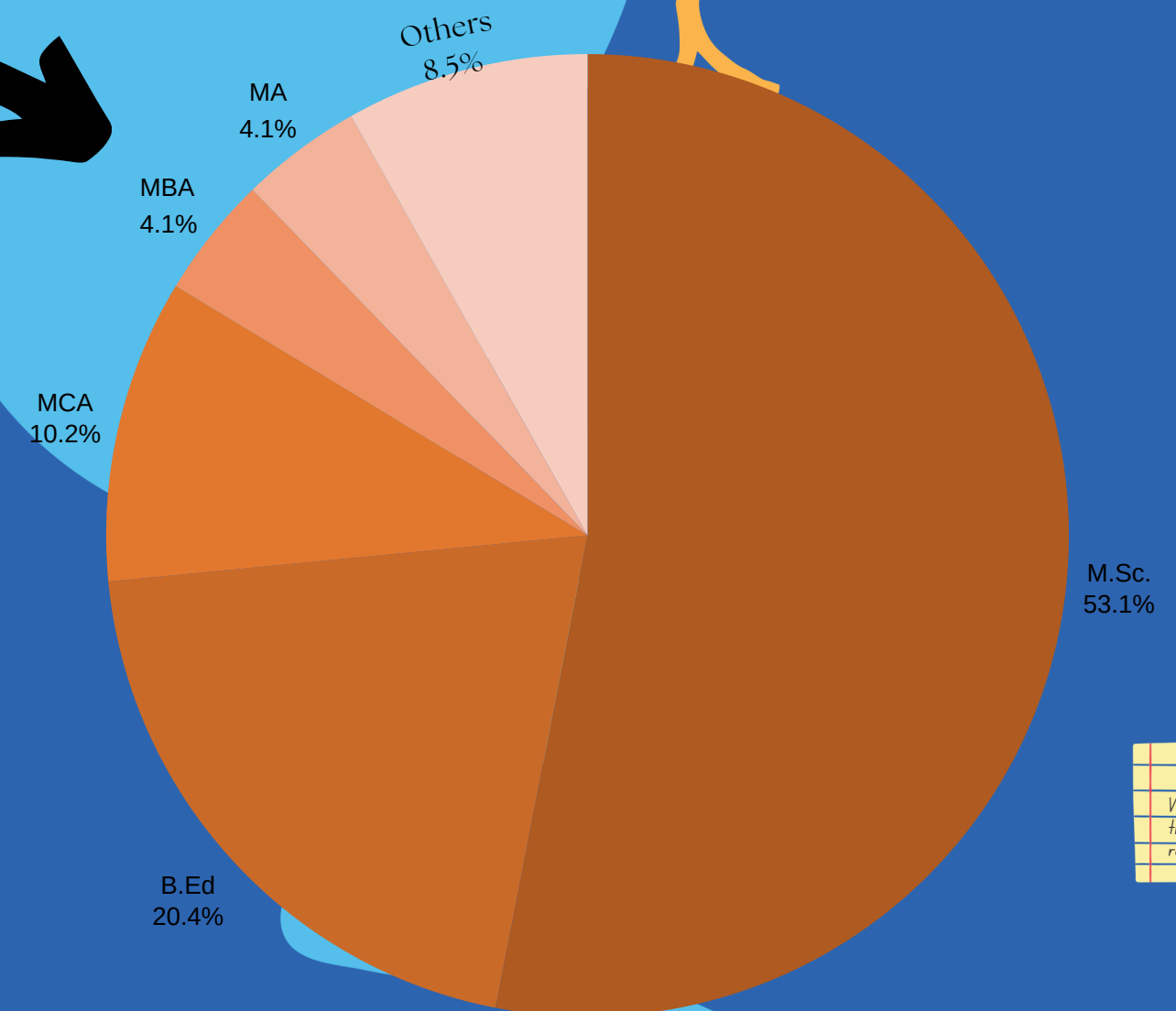
ALUMNI

STUDENTS PURSUING FOLLOWING COURSES AFTER GRADUATION:-

Students from our department are doing various different courses such as B.Ed, M.Sc., MCA, MBA and much more.

Most of the students opt for masters in mathematics after completing their bachelor of mathematics.

M.Sc. B.Ed MCA MBA MA OTHER





ALUMNI

Our alumni community is bound by collective experiences and passion growth and success. This connection serves as a significant source of growth and inspiration.

Faculties keeps in touch with the alumni through WhatsApp and various other social media platforms.

This strong network benefits both our current students and alumni, fostering a lifelong connection that supports mutual growth and success.

Chats



Alumni Batch (2020-2023)

06/05/25

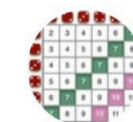
~ Nikunj Singh: Done ma'am



Alumni 2017-2020

06/05/25

Anubha: I need this data to show the perf...



Alumni Batch 2018-2021

06/05/25

Anubha: I need this data to show the perf...



Alumni Group(2019-2022)

06/05/25

Anubha: I need this data to show the perf...



Alumni 2013-2016

06/05/25

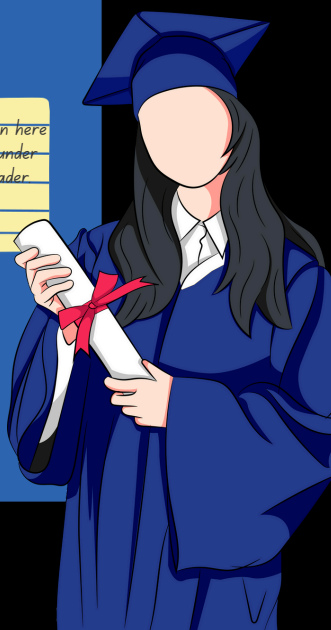
Anubha: I need this data to show the perf...



Alumni Group 2021-2024

06/05/25

Anubha: I need this data to show the perf...



Messages from ALUMNI

First and foremost, I want to express my gratitude for the incredible education and opportunities that it provided me. I would like to commend faculty of department of Mathematics for their dedication and excellence in teaching and commitment to students. I appreciate the strong sense of community fostered by the college.

Regards

Nikunj Singh(2020-2023)

My time at Bharati college built the foundation of my career. To all students: stay dedicated and believe in your journey - great things are ahead!

Regards

Ankita Vashisht(2019-2022)

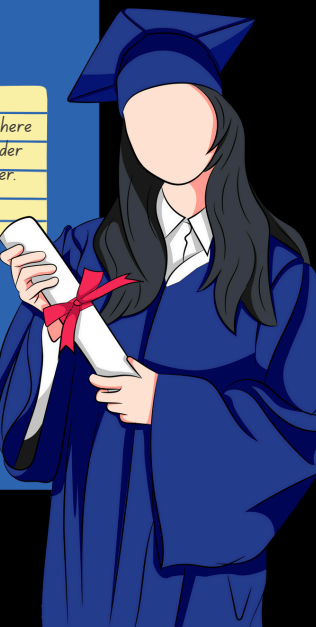
"To the department, where equations come to life and challenges turn into triumphs". Together, we have paved the way for excellence where dedication and a love for numbers drive us towards success in our very own mathematics department. Being an Ex President to Exponents Society, am glad to share that every student is encouraged to push boundaries and reach new heights here.

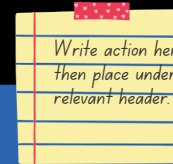
-Kashish Gupta(2019-2022)

(Ex President of Exponents)

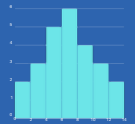
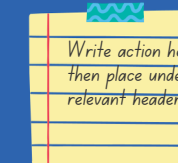
"The journey of 3 years had been a cakewalk only because of the full support of my teachers. The college and department in particular has always been helpful and encouraging. I would also like to thank my teachers for believing in me and providing me with an opportunity to be a part of "THE EXPONENTS," the society of mathematics. Working for the department gave me a lot of exposure and also helped me develop my personality.

Regards
Palak Pandey

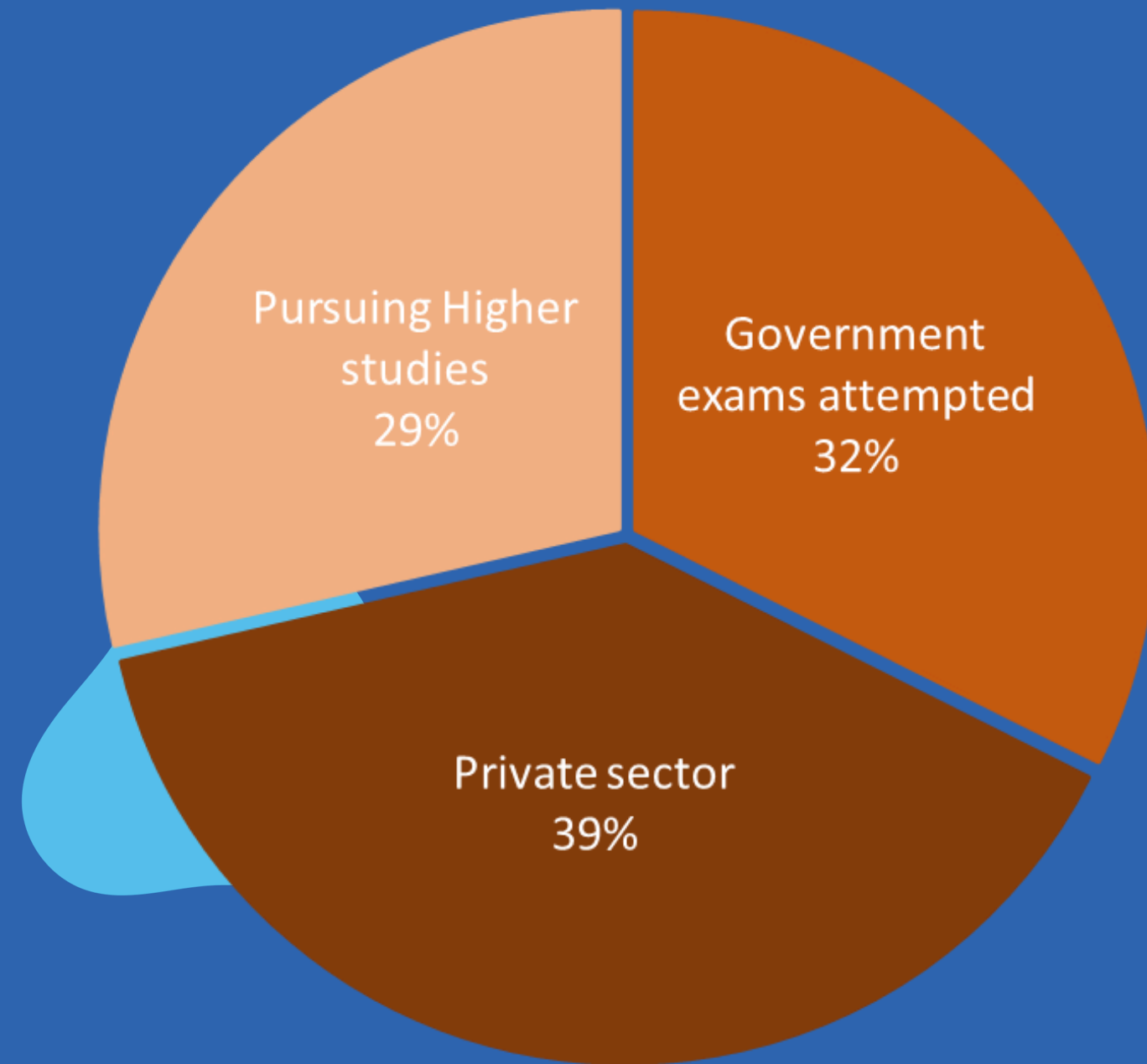




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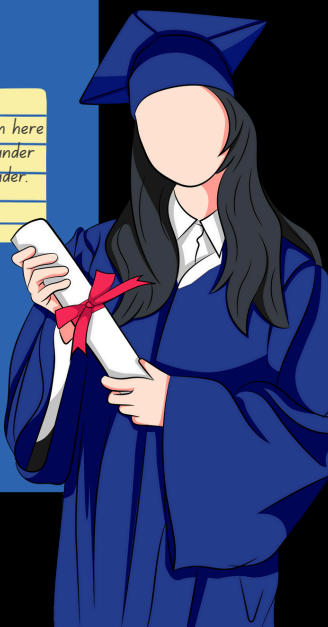
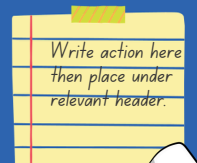


■ Government exams attempted ■ Private sector ■ Pursuing Higher studies



LINK FOR MORE DETAILS:

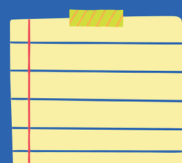
https://docs.google.com/spreadsheets/d/1x6iHHzr7wEfVhTfJfQ8yNSoNo8iGDQ7_Q5jGSg3MqlaM/edit?usp=drivesdk





NOTABLE ALUMNI OF 2023-24



- Sakshi and Akanksha Shukla , have appeared for IIT JAM and both are now pursuing M.Sc. Mathematics from NIT.
 - Nisha Verma is pursuing M.Sc. Mathematics from Hindu College and is also working as HR Recruiter.
 - Kavya Chaturvedi has appeared for IIT JAM and is now pursuing M.Sc. Mathematics from IIT, Jodhpur.
 - Megha Bhatt, Archana has cleared CUET PG 24 and is now pursuing M.Sc. Mathematics.
- 



NOTABLE ALUMNI OF OUR DEPARTMENT



- Priyanka Yadav - Air Force
- Anshu - Delhi Police
- Anju - Crime against women
- Anjula - CPWD, Delhi
- Sheenam Bansal -Tihar jail
- Rinky Yadav -Govt. School
- Jhalak -Assistant Professor
- Yuvika - Head of IT Department
- Lakshmi - IT Project Manager (Japan)
- Lisha - French Teacher (Netherlands)
- Sayoni - Team Lead (Genpact)

NO. OF STUDENTS QUALIFIED
IN
STATE/NATIONAL/INTERNATIO
NAL LEVEL EXAMINATIONS:

49 (2021-2022)

27 (2022-2023)



PEDAGOGIC ACTIVITIES



Mastering real-world challenges through hands-on experience and advanced, applied techniques of technology by gaining expertise.

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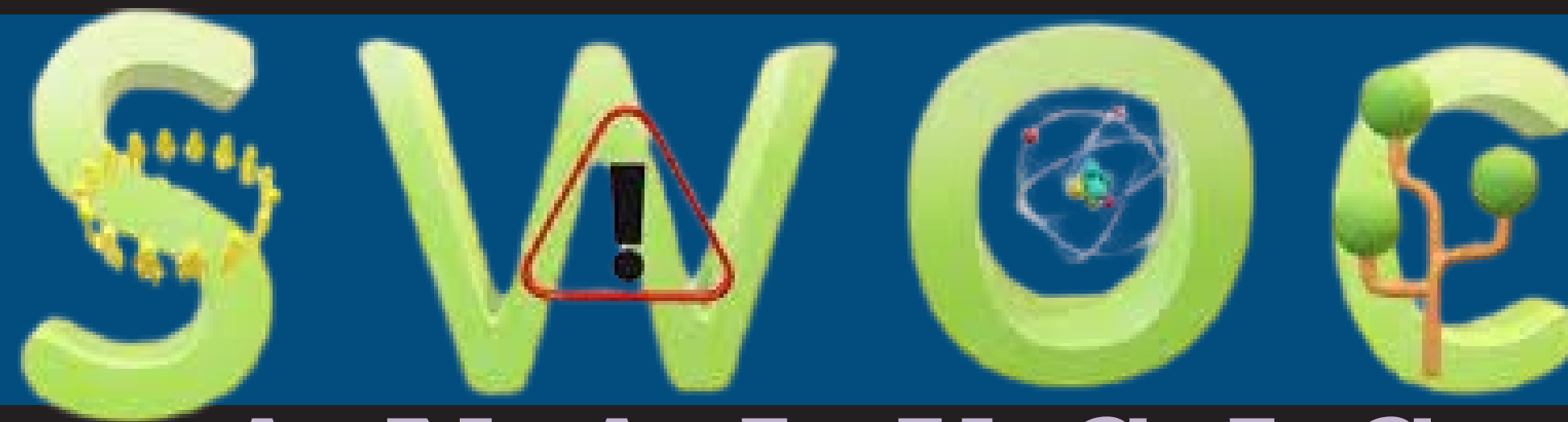


Developing leadership skills amongst students which can turn challenges into opportunities, setbacks into lessons, and teams into high-performing, purpose-driven units.



Students encouraging active participation and personalized learning paths to ignite passion and confidence in every learner.

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relevant header.



ANALYSIS

S

STRENGTH

Faculty expertise is among our greatest assets. Our faculty have a variety of specializations, which enables them to approach teaching and research from a number of different viewpoints and in novel ways. They are dedicated to academic excellence and provide students with a complete and current education.

Along with our rigorous academic background, we work actively with other departments and industry partners. These interactions expose students to interdisciplinary learning and real-world experiences outside the classroom.

We are committed to developing well-balanced individuals. By providing opportunities for extracurricular activities, community service, and professional development programs, we enable students to find and follow their passions.

W

Weakness

Among our major weaknesses is the low number of faculty members. But we're taking positive steps to counter this issue by following a strategic plan where we ensure that our students get continuous support. We also have problems in fund raising and fewer resources, but we're determined to improve our standards and overcome these issues to become excellent.

In order to meet these challenges, we're looking into creative solutions, including collaborations with industry giants, grants, and fundraising campaigns. We want to build a strong infrastructure that ensures academic excellence, creativity, and empowerment of our students.

O

OPPORTUNITIES

Opportunities are plentiful for our students via collaborations with other societies and departments, which expose them to a variety of experiences and opportunities.

We use cutting-edge techniques to increase participation and customize learning for the needs of the individual.

Additionally, our powerful alumni base is a significant asset, which provides mentorship, guidance, and opportunity to benefit our students now and to provide a lifetime bond with our community."

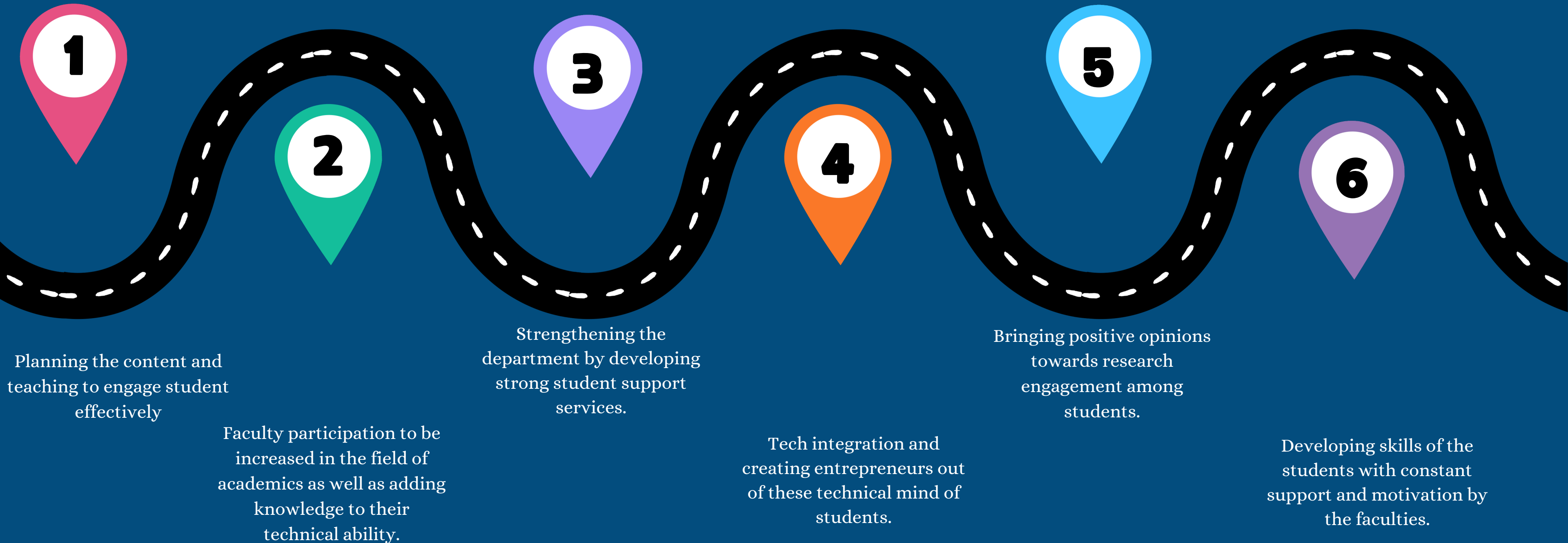
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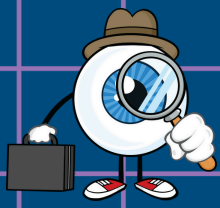
CHALLENGES

Many students find the subject challenging, which can lead to disengagement. To address this, we focus on creating an inclusive and supportive learning environment that encourages participation and curiosity.

While limited resources can present obstacles, we view them as opportunities for innovation and growth, driving us to find creative solutions that benefit our students and enhance their educational experience."

ROAD MAP TO FUTURE





ANY QUESTIONS



ACADEMIC AUDIT FORMAT

<https://docs.google.com/document/d/14nquw6hcfrgHDhi916esd8yb2aKvBbcQ1-lGKcf7lf4/edit?usp=drivesdk>



