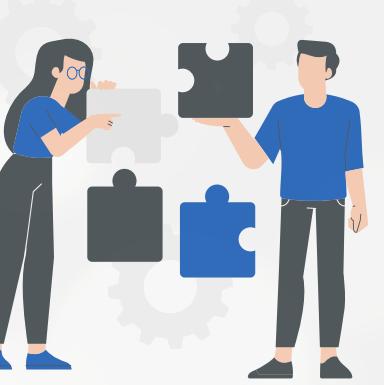


JUPITER HIGH SCHOOL FINANCIAL & DEMOGRAPHIC ANALYSIS

INTRODUCING JUPITER HIGH SCHOOL

Jupiter High School is located in Julapalli Mandal, Peddapalli district, Telangana.

The school has been successfully operating for over 10 years. It is well-known for providing quality English medium education in a rural environment. Students come from nearly 11 villages, making it a central educational institution in the region. It offers classes from Nursery to 10th, focusing on academics, discipline, and moral values.



PROBLEM STATEMENT

Jupiter High School, located in Julapalli village of Peddapalli district, is facing challenges related to **student retention, fee collection efficiency, and uneven growth in admissions** across villages and class sections. Despite strong performance in some areas, certain classes and regions show consistent decline or low engagement. This project aims to analyze **demographic** and **financial trends** using data from the **past three academic years** to identify gaps, understand contributing factors, and provide actionable insights to improve student retention, optimize fee recovery, and support sustainable growth across all sections and villages.

DATASET PROVIDED

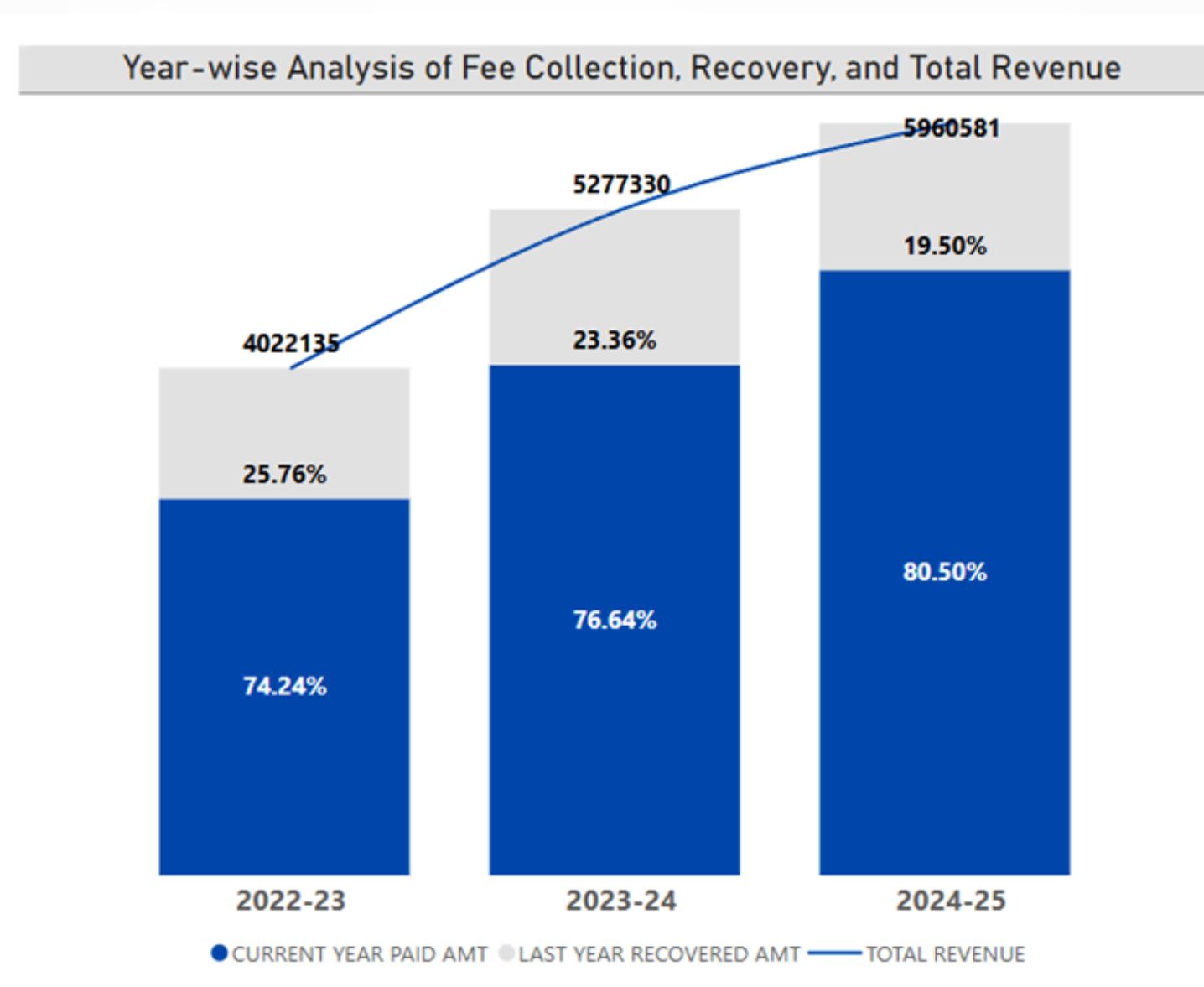
The dataset for this project consists of **three individual Excel files** representing school **fee records** for the academic years **2022–23, 2023–24, and 2024–25** of Jupiter High School, Julapalli. These files were cleaned, transformed, and **consolidated into a single Excel file using Power Query** and **various Excel functions**. The raw data contained inconsistencies and formatting issues which were addressed during the transformation process. The final consolidated dataset serves as the foundation for all analysis related to fee collection trends, student strength, retention, and village-wise growth.

1.How much of the total expected revenue is being recovered, and how much is being adjusted through discounts across academic years?

year	TOTAL FEE	TOTAL PAID	TOTAL DISCOUNT	FEE PAID %	DISCOUNT%	FEE REMAINING %
2022-23	6126000	2986100	131500	48.74%	2.15%	49.11%
2023-24	7365000	4044500	631800	54.92%	8.58%	36.51%
2024-25	8303000	4798000	1036500	57.79%	12.48%	29.69%

It is evident from the table that as the discounts offered increased, the fee payment percentage also improved over the years. This suggests that offering discounts may have encouraged more parents to pay the fees, possibly reducing the financial burden and motivating timely payments.

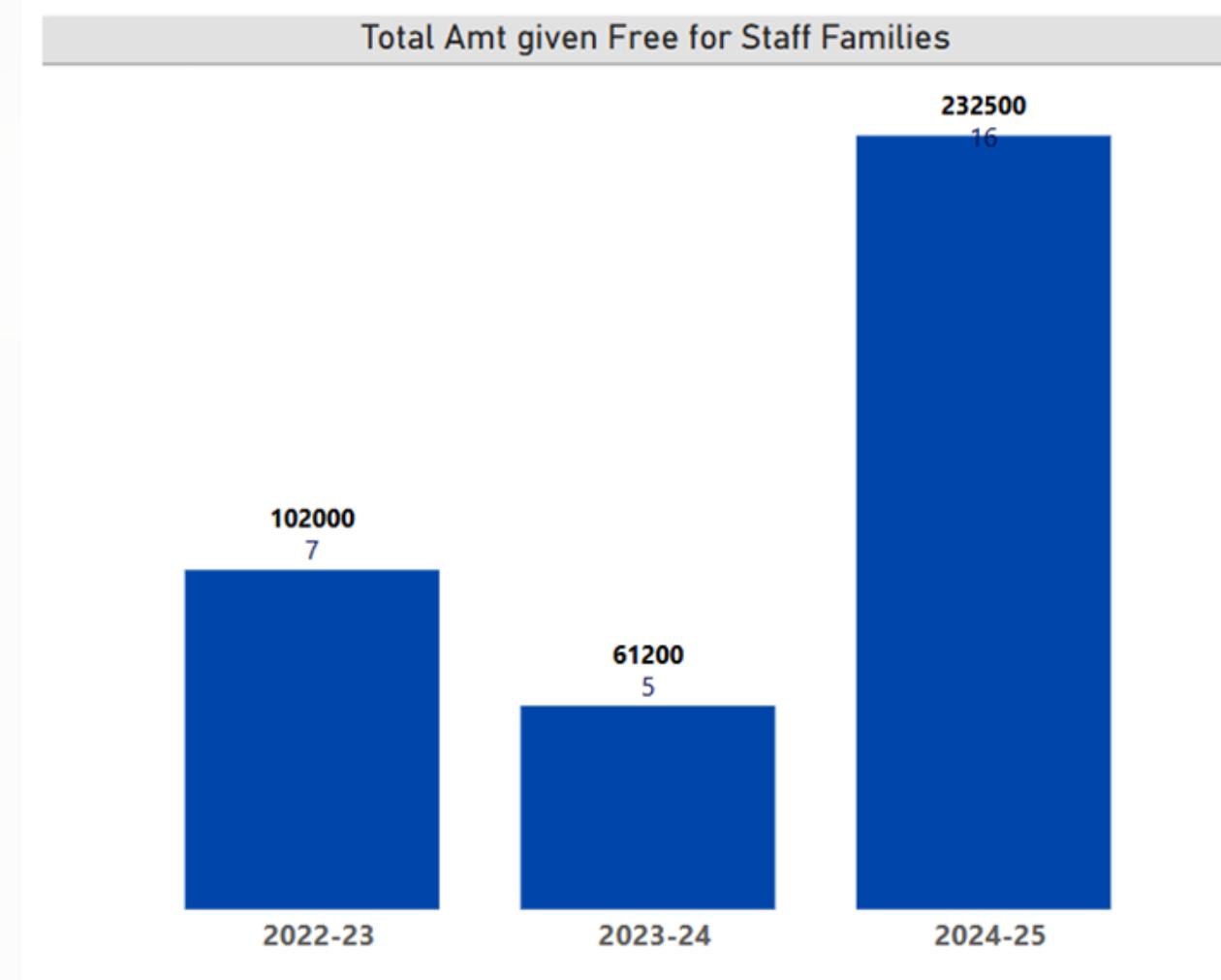
2. How have fee payment and recovery trends contributed to the overall revenue growth from 2022 to 2025?



Steady Increase in Total Revenue

The school's total revenue has been growing consistently over the years. This upward trend suggests improved financial performance, likely due to better fee collection practices, increased student enrollment and more effective recovery strategies.

3.What trend is seen in fee concessions given to internal families (like staff and founders) over the years?



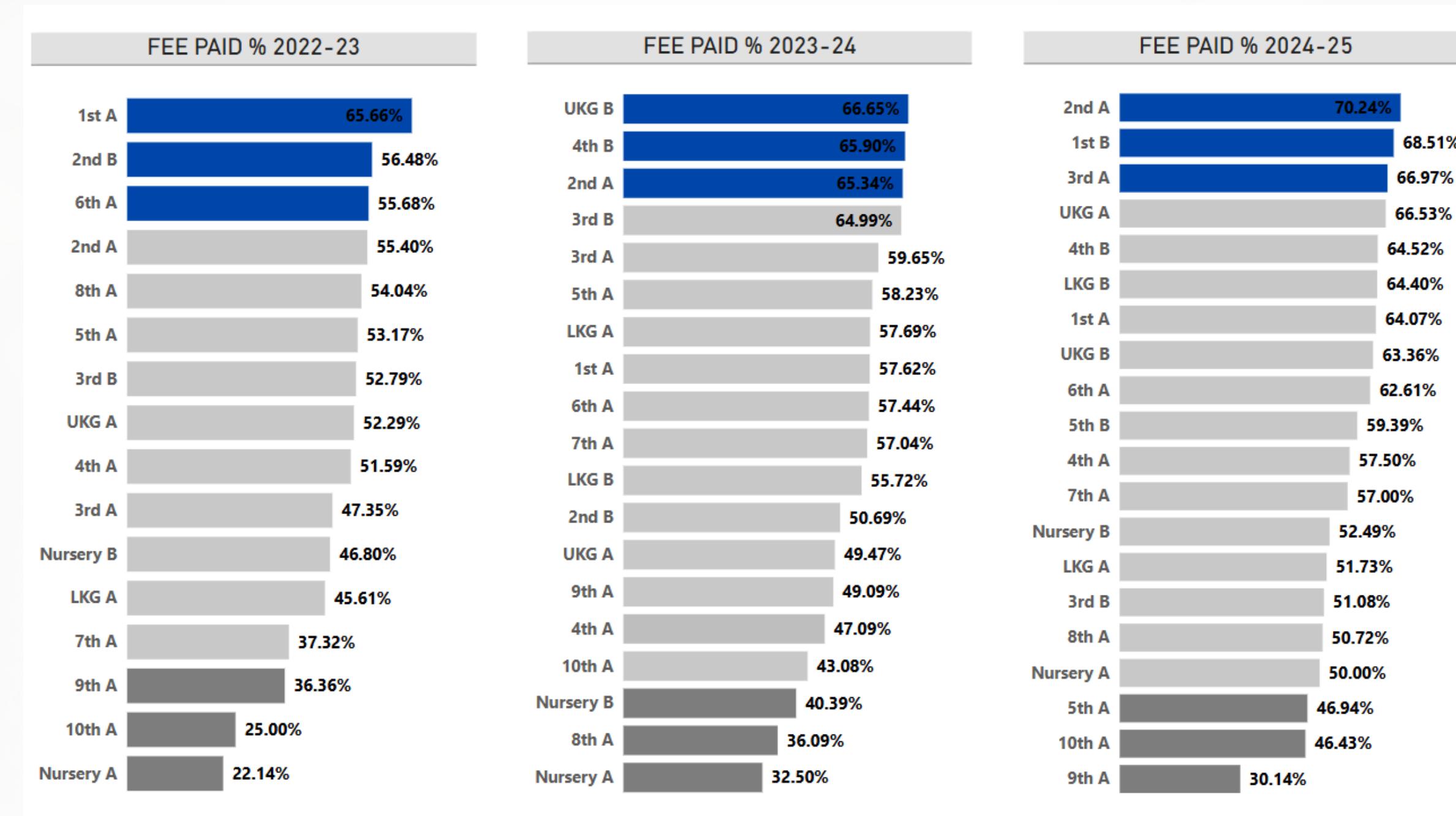
After a drop in 2023–24, both the number of free students and the total amount from internal families (like staff and founders) increased sharply in 2024–25.

4. What is the village-wise fee paid percentage across academic years

VILLAGE	2022-23	2023-24	2024-25
KOTHUR			74.04%
PERUKAPALLI	46.53%	68.20%	69.00%
KAMMARKHANPET		46.32%	69.18%
KUMMARIKUNTA	54.85%	66.19%	55.22%
KONARAOPET	46.81%	61.94%	65.18%
ABBAPUR	50.21%	53.67%	62.25%
JULAPALLI	49.61%	54.17%	60.05%
WADKAPUR	51.60%	53.72%	52.93%
NIMMAPALLI	39.35%	59.25%	60.54%
BALRAJPALLI	57.14%	56.75%	40.44%
PEDDAPUR	38.36%	43.56%	47.09%

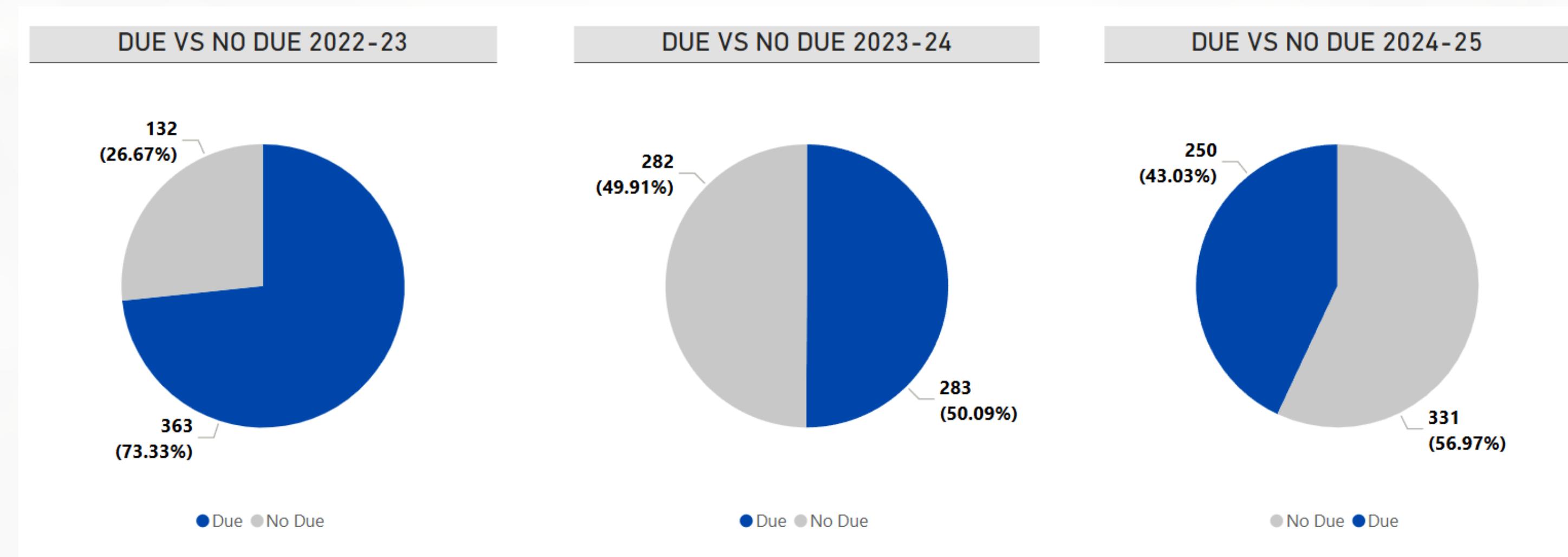
Most villages have shown a positive trend in fee payment percentages from 2022 to 2025. Perukapalli, Konaraopet, and Kammarkhanpet have significantly improved and maintained strong recovery rates. Kothur leads in 2024–25 with the highest fee paid percentage at 74.04%. Balrajpalli and Peddapur are underperforming, with Balrajpalli showing a sharp decline in 2024–25. These trends highlight effective recovery in some areas, while others need targeted fee follow-up strategies.

5.What are the top-performing and underperforming sections in terms of fee collection efficiency?



Higher fee payment percentages in some sections reflect strong follow-up and care by class teachers. Nursery consistently shows low fee payments, possibly due to less urgency or trial admissions. High classes like 8, 9, and 10 have low fee collection mainly due to their higher fee structure.

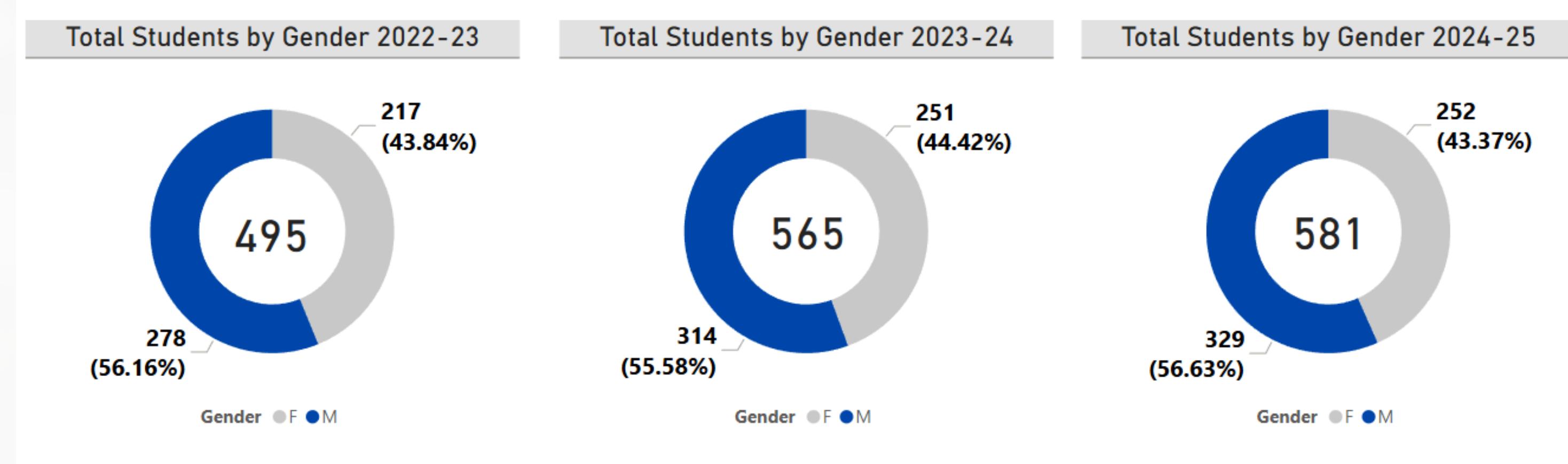
6. How has the proportion of students with due vs no dues changed over the years?



Improvement in Collections:

- The drastic improvement from 2022–23 to 2024–25 suggests strong intervention possibly due to improved administrative processes, early follow-ups, or discount strategies.

7.What Are the Gender Trends in Students (2022–2025)?



- The total number of students has steadily increased each year from 495 → 565 → 581, showing healthy overall growth.
- Male students consistently outnumber female students across all three years.

8. How do student growth trends vary across villages(excluding 10th), and what local factors are influencing increases or declines?

VILLAGE WISE STUDENT GROWTH RATE% ACROSS YEARS						
YEAR	2022		2023		2024	
VILLAGE	TOTAL STUDENTS	yoy village growth rate%	TOTAL STUDENTS	yoy village growth rate%	TOTAL STUDENTS	yoy village growth rate%
ABBAPUR	75		89	18.67%	83	-6.74%
BALRAJPALLI	18		24	33.33%	16	-33.33%
JULAPALLI	178		181	1.69%	168	-7.18%
KAMMARKHANPET			8		19	137.50%
KONARAOPET	41		32	-21.95%	27	-15.63%
KOTHUR					22	
KUMMARIKUNTA	41		51	24.39%	55	7.84%
NIMMAPALLI	27		22	-18.52%	10	-54.55%
PEDDAPUR	48		73	52.08%	82	12.33%
PERUKAPALLI	13		22	69.23%	30	36.36%
WADKAPUR	41		53	29.27%	54	1.89%

Best Performing Villages:

- Peddapur showed strong and steady growth in both years.
- Perukapalli had the highest growth in 2023 and continued rising in 2024.
- Kummarikunta maintained consistent year-on-year positive growth.
- Kammarkhanpet,Kothur are the villages where new students are joining.

Medium Performing Villages:

- Wadkapur showed stable to mild positive trends.
- Abbapur grew in 2023 but slightly declined in 2024.
- Julapalli, despite a large student base, is showing a slow downward trend.

Least Performing Villages:

- Balrajpalli improved in 2023 but declined sharply in 2024.
- Nimapalli showed continuous and sharp decline across both years.
- Konaraopet consistently lost students, indicating retention issues.

9.What are the retention trends across different classes over the years?

year numeric	2022		2023		2024		Class	2023-24	2024-25
Class	CY CLASS STRENGTH	PY PREVIOUS CLASS STRENGTH	CY CLASS STRENGTH	PY PREVIOUS CLASS STRENGTH	CY CLASS STRENGTH	PY PREVIOUS CLASS STRENGTH			
Nursery	78		65		76		LKG	-16.67%	-21.54%
LKG	53		65	78	51	65	UKG	22.64%	1.54%
UKG	34		65	53	66	65	1st	5.88%	3.08%
1st	27		36	34	67	65	2nd	125.93%	-8.33%
2nd	54		61	27	33	36	3rd	14.81%	4.92%
3rd	58		62	54	64	61	4th	-1.72%	-1.61%
4th	54		57	58	61	62	5th	-11.11%	-12.28%
5th	42		48	54	50	57	6th	-19.05%	-29.17%
6th	42		34	42	34	48	7th	-21.43%	-20.59%
7th	16		33	42	27	34	8th	-12.50%	-33.33%
8th	15		14	16	22	33	9th	0.00%	7.14%
9th	9		15	15	15	14	10th	11.11%	0.00%
10th	13		10	9	15	15			

Medium Performing Classes:

- 2nd Class – Sharp rise in one year followed by a drop next year.
- 9th & 10th Classes – Retention is stable, likely due to the importance of board exam preparation.
- 4th class is mostly stable with minor variations.

Least Performing Classes :

- LKG 6th 7th 8th classes show consistent decline over the years.
- 5th class show mild decline over the years.

Best Performing Classes:

- UKG, 1st and 3rd classes are consistently rising above the target strength.
- Nursery Strength is highest among all the classes.

RECOMMENDATIONS

1. Offering discounts appears to reduce the financial burden on parents and motivate timely payments. Therefore, continuing with strategic and well-targeted discounts such as early payment incentives or need-based concessions can further enhance fee collection.
2. Top-performing sections with consistently high fee payment percentages reflect strong follow-up and teacher involvement. Their practices can serve as a reference to implement similar strategies in underperforming sections. Nursery continues to show low collections, possibly due to trial admissions, while higher classes like 8, 9, and 10 may be affected by higher fee burdens. Improving teacher follow-up and introducing flexible payment options can enhance overall fee collection.

RECOMMENDATIONS

3. The retention trends across classes reveal that UKG, 1st, and 3rd classes consistently show steady growth and surpassing target strength. Nursery also stands out with the highest strength overall. On the other hand, classes like LKG, 6th, 7th, and 8th show a continuous decline in retention, which may require focused intervention. Introducing IIT foundation coaching from 6th class onward is a timely and strategic decision. Sharing engaging Nursery activity videos on social media can build trust and highlight the school's learning environment. This emotional connection can encourage more parents to continue into LKG.
4. To improve student growth across villages, more focus should be given to areas like Nimmappalli, Konaropet, and Balrajpalli where student numbers are dropping. Villages like Peddapur, Perukapalli, and Kummarikunta are doing well and their efforts can be followed in other places. Newly growing villages like Kammar Khanpet and Kothur should be supported to maintain the momentum. Villages like Wadkapur and Abbapur need close follow-up to prevent further decline.

THANK YOU