



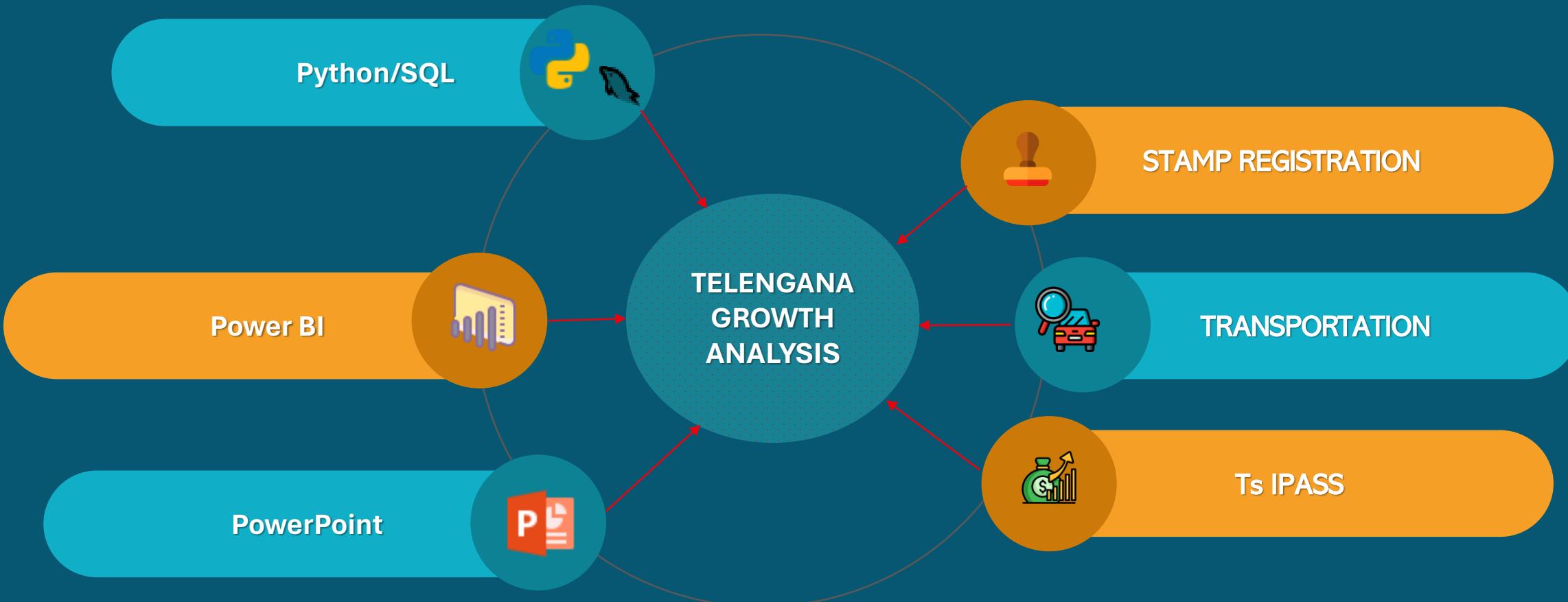
Telangana growth analysis

INTRODUCTION

- Telangana, a land of heritage and innovation, has undergone a transformative journey in recent years.
- Despite being the youngest state in the country, Telangana has demonstrated rapid growth.
- Nestled in the heart of India, Telangana is more than just a geographical entity; it's a vibrant state with a rich history and a promising future.



Project Analysis



TELANGANA GROWTH ANALYSIS



Stamp Registration

This dataset opens a window into Telangana's financial vitality. It unravels the intricacies of stamp challans, revenue generation, and document counts—key indicators of the state's economic vigor.



Transportation

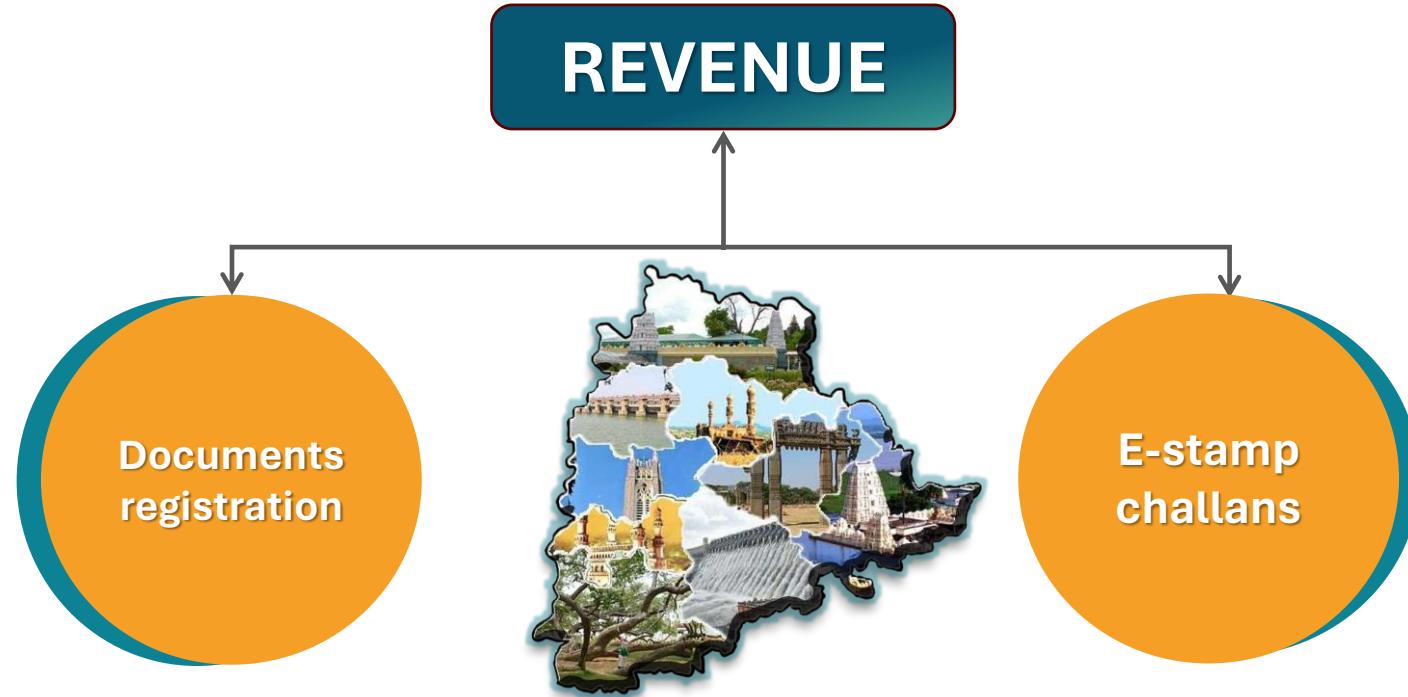
Our analysis delves into the state's transportation sector, dissecting data on vehicle sales, fuel types, and seating capacities. This dataset sheds light on the ever-evolving mobility landscape within Telangana



Ipass Analysis

This dataset offers a glimpse into Telangana's industrial prowess. From sector-wise investments to the number of employees, it showcases the state's commitment to fostering economic growth and employment opportunities..

STAMP REGISTRATION



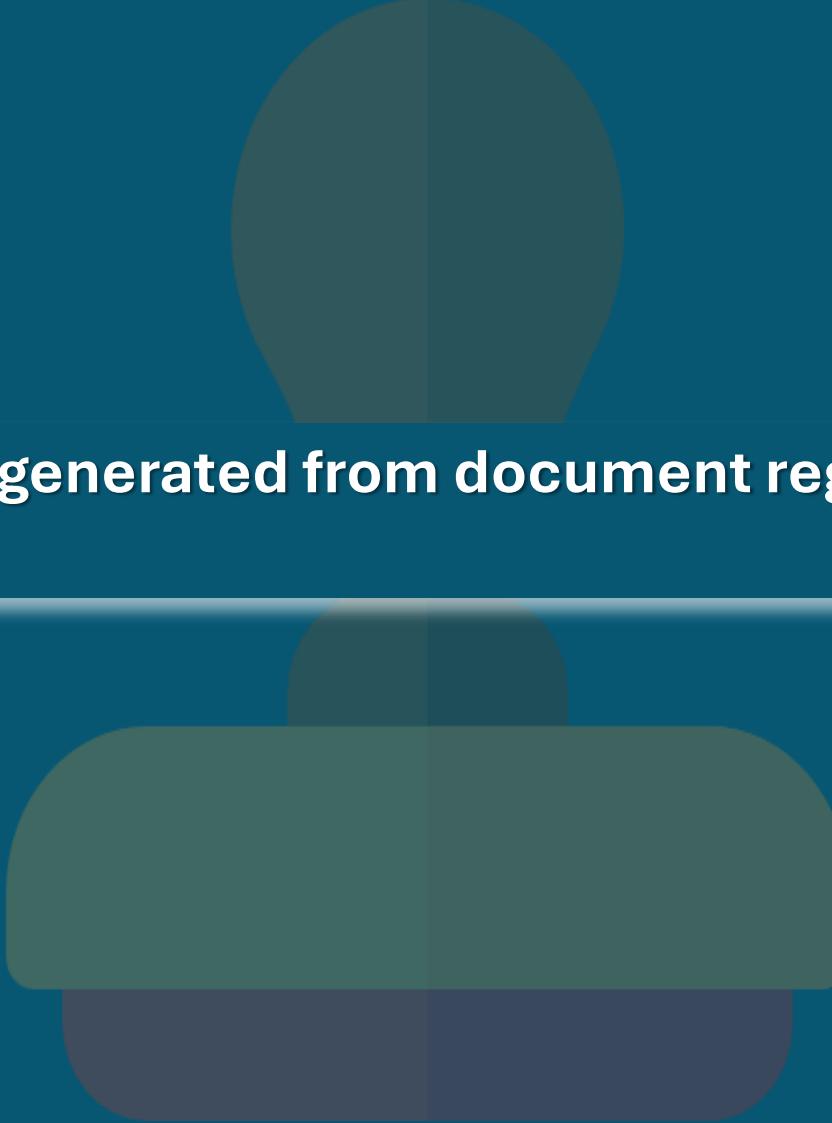
• Key Highlights •

Purpose: Document registration, dating back to 1864 in Telangana, provides public notice of registered documents.

Transparency: It offers recorded information to the public, allowing verification of property rights, titles, and obligations.

Revenue Generation: Significant revenue is collected for the state through Stamp Duty, Transfer Duty, and Registration Fees.

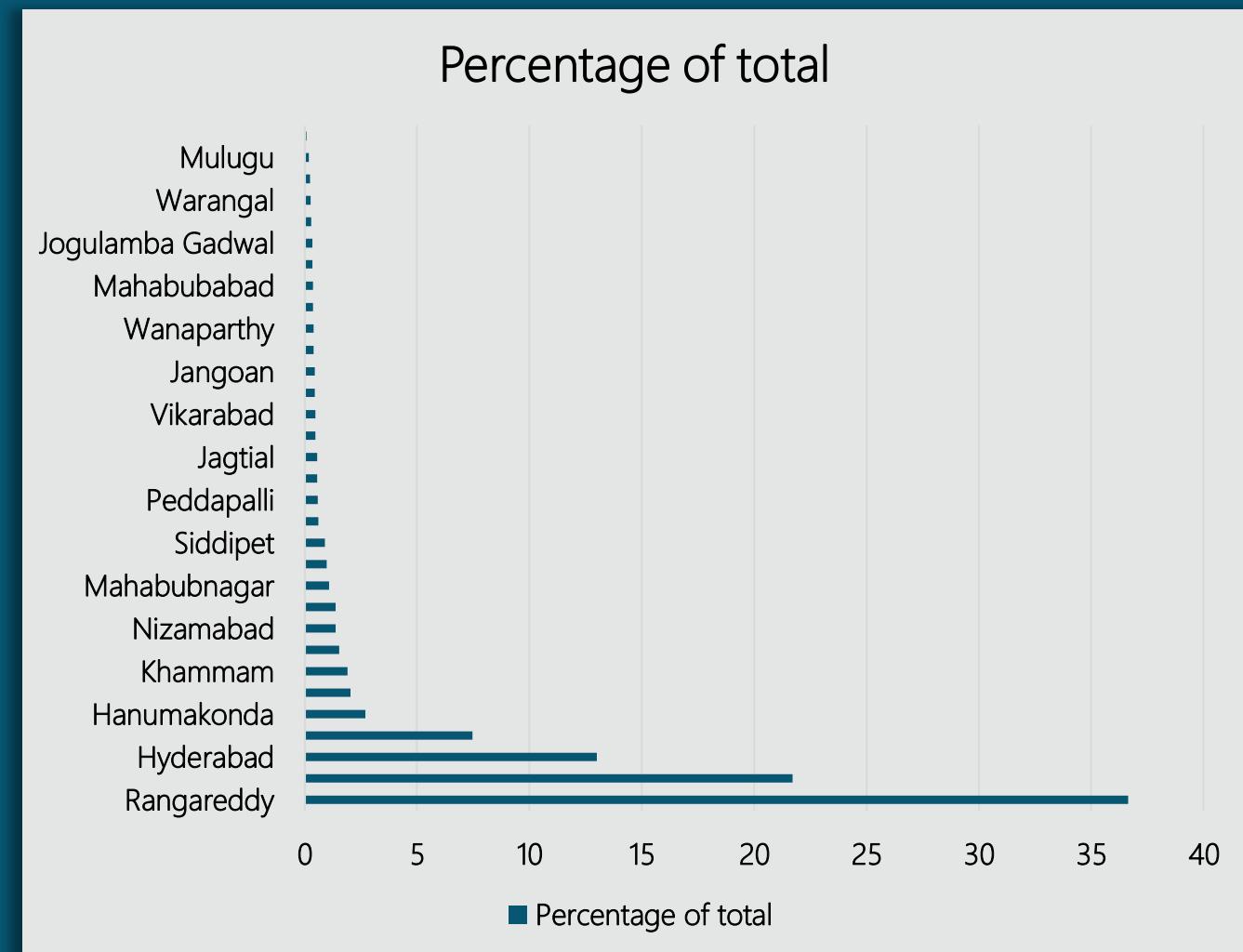
Royal Record Keeper: The department preserves historical records and supplies copies for use as legal evidence.



How does the revenue generated from document registration vary across districts in Telangana?

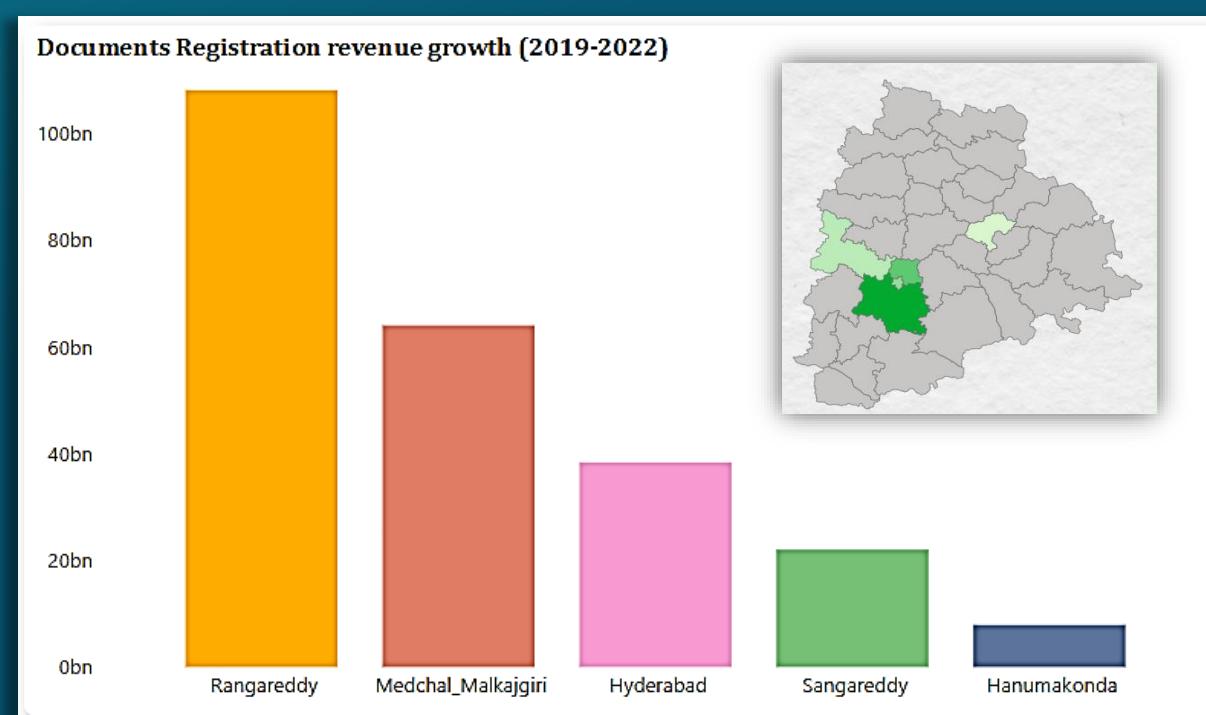
Districts	Total revenue
Rangareddy	₹ 1,08,19,86,82,809.00
Medchal_Malkajgiri	₹ 64,07,13,82,839.00
Hyderabad	₹ 38,39,67,43,983.00
Sangareddy	₹ 22,02,45,02,771.00
Hanumakonda	₹ 7,92,74,94,100.00
Yadadri Bhuvanagiri	₹ 5,97,37,44,502.00
Khammam	₹ 5,60,61,41,586.00
Nalgonda	₹ 4,52,16,34,367.00
Nizamabad	₹ 4,04,69,37,361.00
Karimnagar	₹ 4,02,44,75,054.00
Mahabubnagar	₹ 3,18,67,31,550.00
Suryapet	₹ 2,90,23,58,766.00
Siddipet	₹ 2,62,50,72,577.00
Medak	₹ 1,76,57,52,735.00
Peddapalli	₹ 1,74,06,44,457.00
Mancherial	₹ 1,66,80,92,668.00
Jagtial	₹ 1,66,60,81,307.00
Kamareddy	₹ 1,39,61,96,267.00
Vikarabad	₹ 1,38,11,89,602.00
Nagarkurnool	₹ 1,35,82,62,744.00
Jangoan	₹ 1,32,98,98,858.00
Rajanna Sircilla	₹ 1,16,90,30,429.00
Wanaparthy	₹ 1,12,68,19,540.00
Adilabad	₹ 1,06,69,71,491.00
Mahabubabad	₹ 1,05,86,24,771.00
Nirmal	₹ 98,87,08,614.00
Jogulamba Gadwal	₹ 97,87,79,682.00
Bhadradri Kothagudem	₹ 82,47,12,666.00
Warangal	₹ 73,83,41,643.00
Narayanpet	₹ 72,22,73,314.00
Mulugu	₹ 51,55,28,121.00
Kumurambheem Asifabad	₹ 22,74,62,583.00

Revenue generated from document registration vary across districts.



The top 5 districts that showed the highest document registration revenue growth between FY 2019 and 2022.

District	Documents Revenue
Rangareddy	₹ 1,08,19,86,82,809
Medchal Malkajgiri	₹ 64,07,13,82,839
Hyderabad	₹ 38,39,67,43,983
Sangareddy	₹ 22,02,45,02,771
Hanumakonda	₹ 7,92,74,94,100



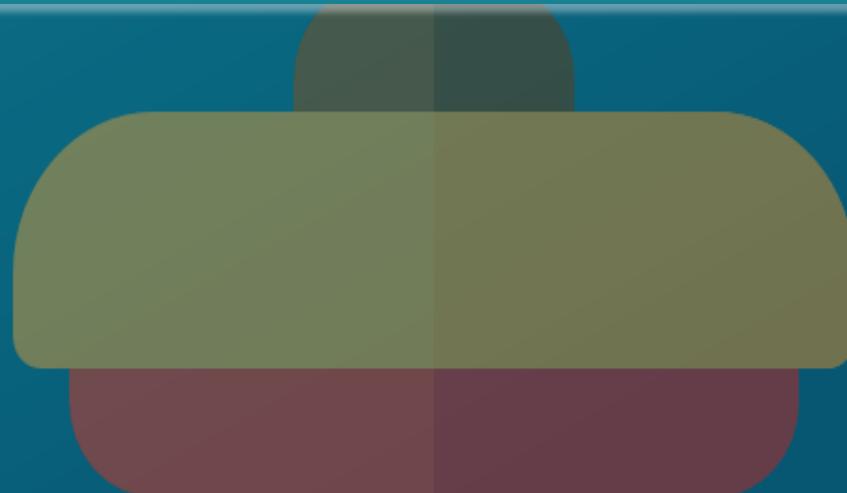


How does the revenue generated from document registration compare to the revenue generated from e-stamp challans across districts?



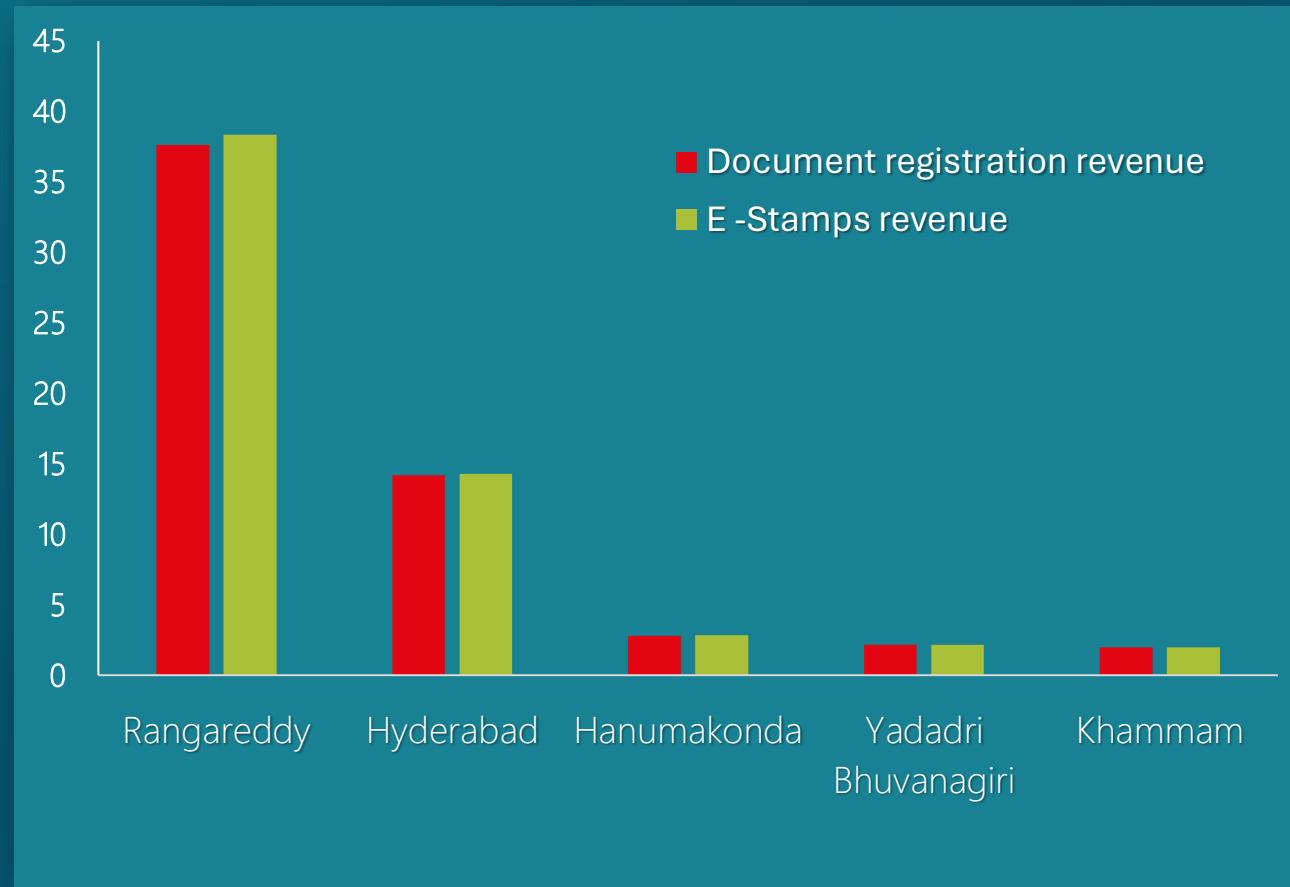
Revenue generation for the state is a significant function, achieved through Stamp Duty, Transfer Duty, and Registration Fees.

In Telangana, the department ranks as the **third-largest revenue contributor**.



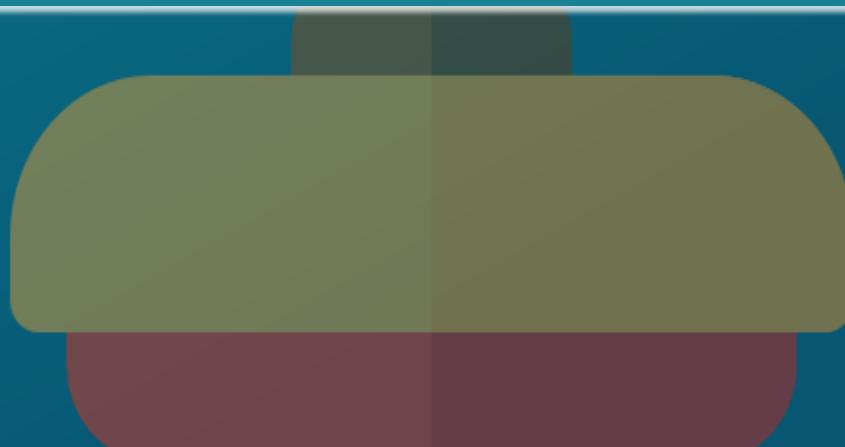
The top 5 districts where e-stamps revenue contributes significantly more to the revenue than the documents in FY 2022

District	Docs. registration revenue	E -Stamps revenue
Rangareddy	₹ 37,69,77,50,946	₹ 38,34,93,57,618
Hyderabad	₹ 14,26,60,12,441	₹ 14,37,43,15,032
Hanumakonda	₹ 2,81,72,38,587	₹ 2,84,68,56,844
Yadadri Bhuvanagiri	₹ 2,16,74,80,603	₹ 2,18,52,70,667
Khammam	₹ 1,97,16,47,539	₹ 2,00,22,20,314



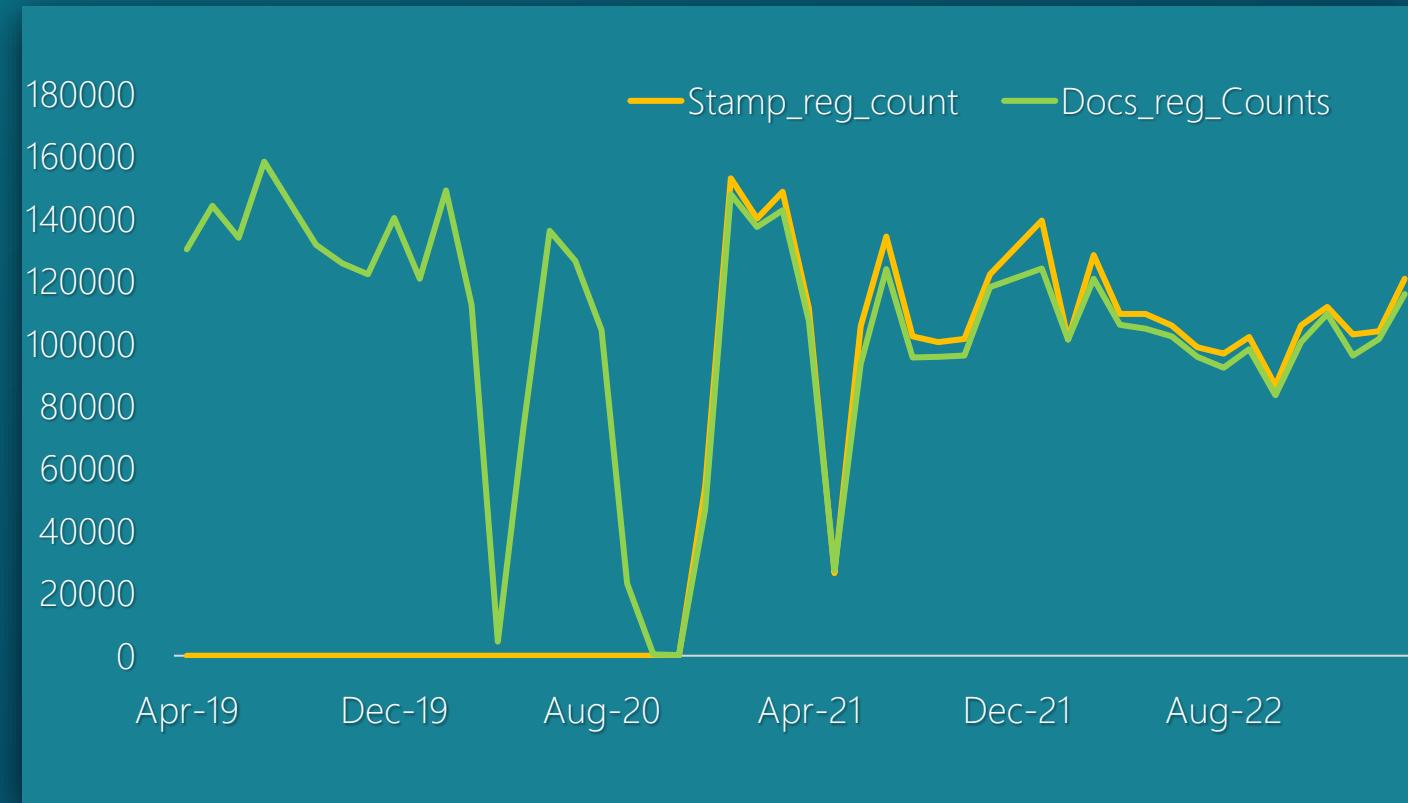


Is there any alteration of e-Stamp challan count and document registration count pattern since the implementation of e-Stamp challan? If so, what suggestions would you propose to the government?



Alteration of e-Stamp challan count and document registration count pattern since the implementation of e-Stamp challan

Month	Stamp_reg_count	Docs_Reg_Counts
Apr-19	0	130223
Aug-19	0	144914
Dec-19	0	140440
Jan-20	0	120851
Apr-20	0	4492
Aug-20	0	104469
Dec-20	54241	47019
Jan-21	153097	147889
Apr-21	111412	107210
Aug-21	102364	95583
Nov-21	122275	118221
Jan-22	139513	124221
Apr-22	109522	106000
Aug-22	96768	92401
Dec-22	111806	109515
Jan-23	102968	96256
Mar-23	120945	116028





Categorize districts into three segments based on their stamp registration revenue generation during the fiscal year 2021 to 2022.

District-wise Revenue Segmentation for FY 2021-2022

District	Stamp reg. revenue	Segment
Mahabubnagar	₹ 1,96,00,11,646	High growth
Nalgonda	₹ 2,58,66,36,489	High growth
Khammam	₹ 3,61,51,69,800	High growth
Hanumakonda	₹ 4,89,50,47,216	High growth
Karimnagar	₹ 2,61,91,04,284	High growth
Nizamabad	₹ 2,59,27,23,703	High growth
Sangareddy	₹ 14,61,75,85,438	High growth
Hyderabad	₹ 24,97,79,02,615	High growth
Yadadri Bhuvanagiri	₹ 3,78,70,70,881	High growth
Medchal_Malkajgiri	₹ 42,24,44,15,731	High growth
Rangareddy	₹ 69,56,32,26,936	High growth

District	Stamp reg. revenue	Segment
Medak	₹ 1,12,25,17,735	Medium growth
Nagarkurnool	₹ 87,86,34,232	Medium growth
Peddapalli	₹ 1,11,04,12,457	Medium growth
Vikarabad	₹ 88,71,85,451	Medium growth
Jagtial	₹ 1,06,95,26,503	Medium growth
Rajanna Sircilla	₹ 74,45,71,024	Medium growth
Suryapet	₹ 1,80,29,87,342	Medium growth
Kamareddy	₹ 85,15,78,792	Medium growth
Siddipet	₹ 1,74,18,61,752	Medium growth
Mancherial	₹ 1,08,65,38,493	Medium growth

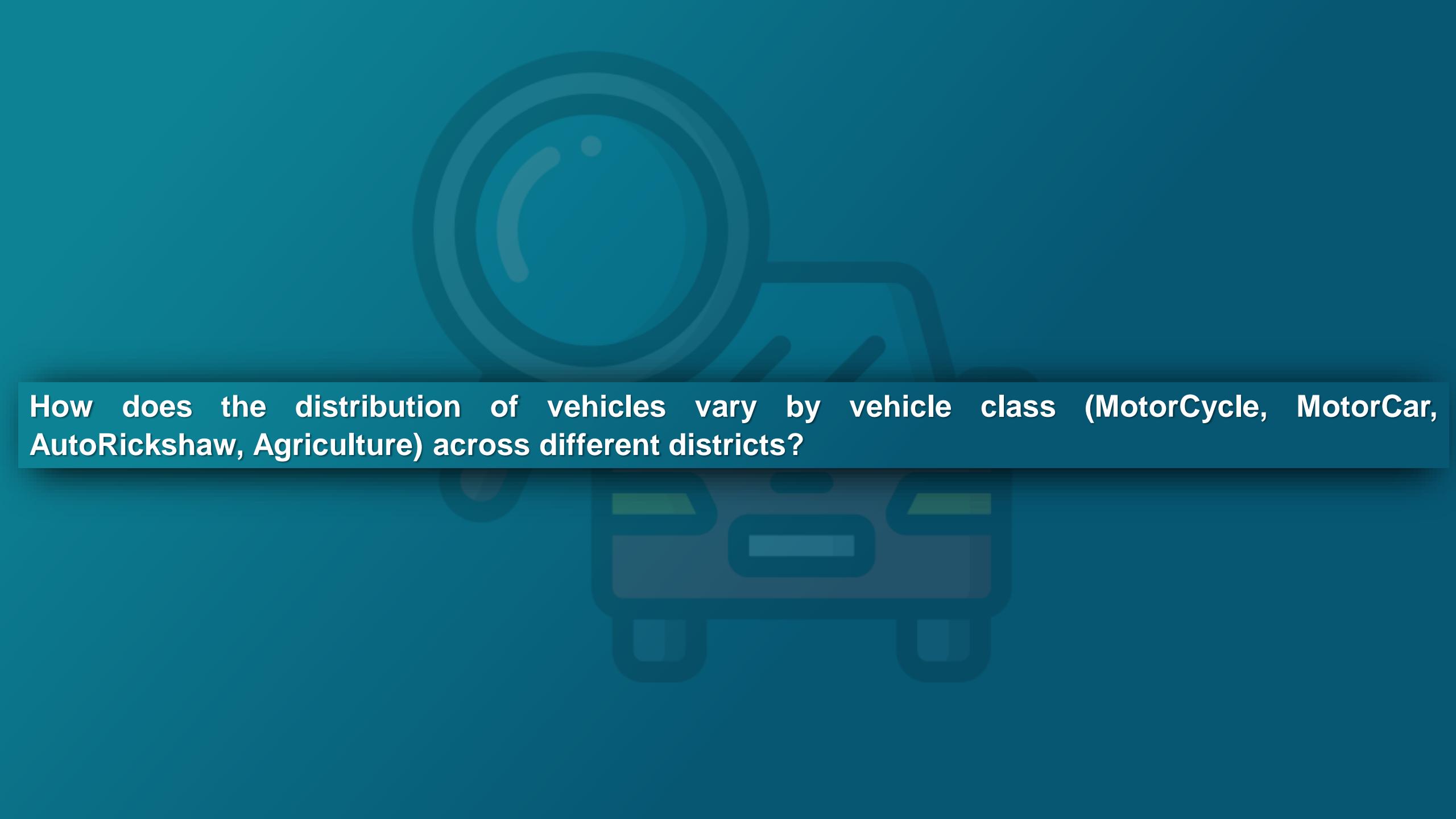
District	Stamp reg. revenue	Segment
Kumurambheem Asifabad	₹ 13,62,57,292	Low growth
Narayanpet	₹ 46,18,88,320	Low growth
Adilabad	₹ 72,09,26,384	Low growth
Wanaparthy	₹ 74,38,33,686	Low growth
Warangal	₹ 42,64,35,218	Low growth
Jangoan	₹ 73,36,13,593	Low growth
Mahabubabad	₹ 65,89,96,063	Low growth
Mulugu	₹ 36,49,59,327	Low growth
Bhadradri Kothagudem	₹ 53,41,80,926	Low growth
Jogulamba Gadwal	₹ 60,16,45,197	Low growth
Nirmal	₹ 63,39,40,671	Low growth

The Highest growth district is : RANGAREDDY (69 Bn)

The Lowest growth district is: Kumurambheem Asifabad (13.257 million)

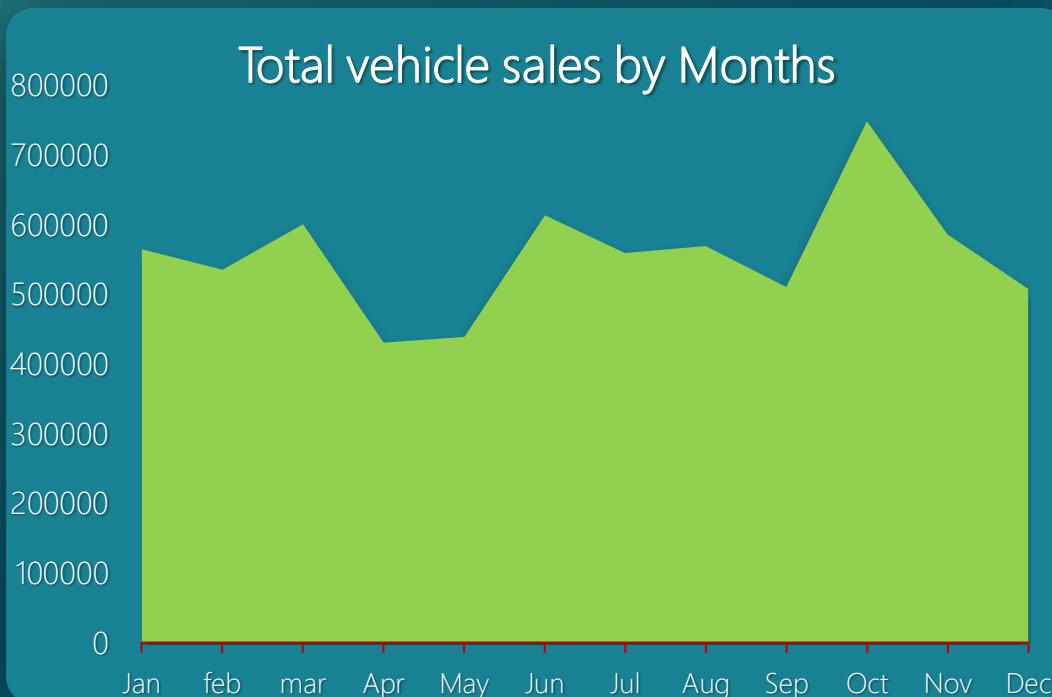
Transportation





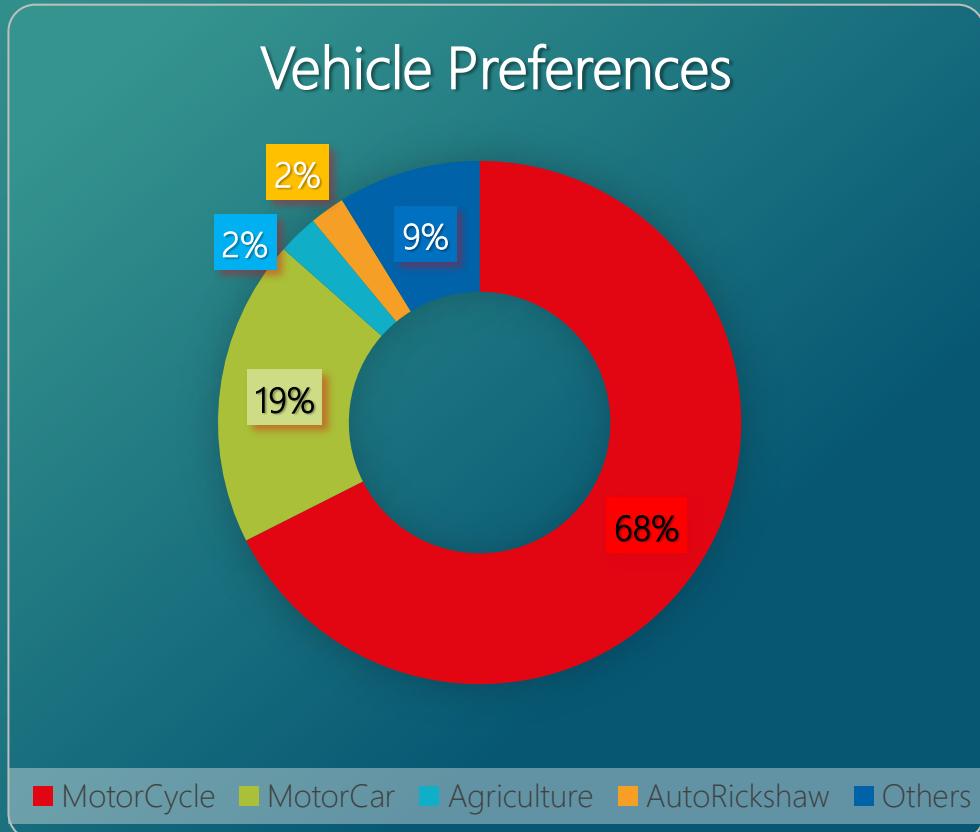
How does the distribution of vehicles vary by vehicle class (MotorCycle, MotorCar, AutoRickshaw, Agriculture) across different districts?

Correlation between vehicle sales and specific months or seasons in different districts

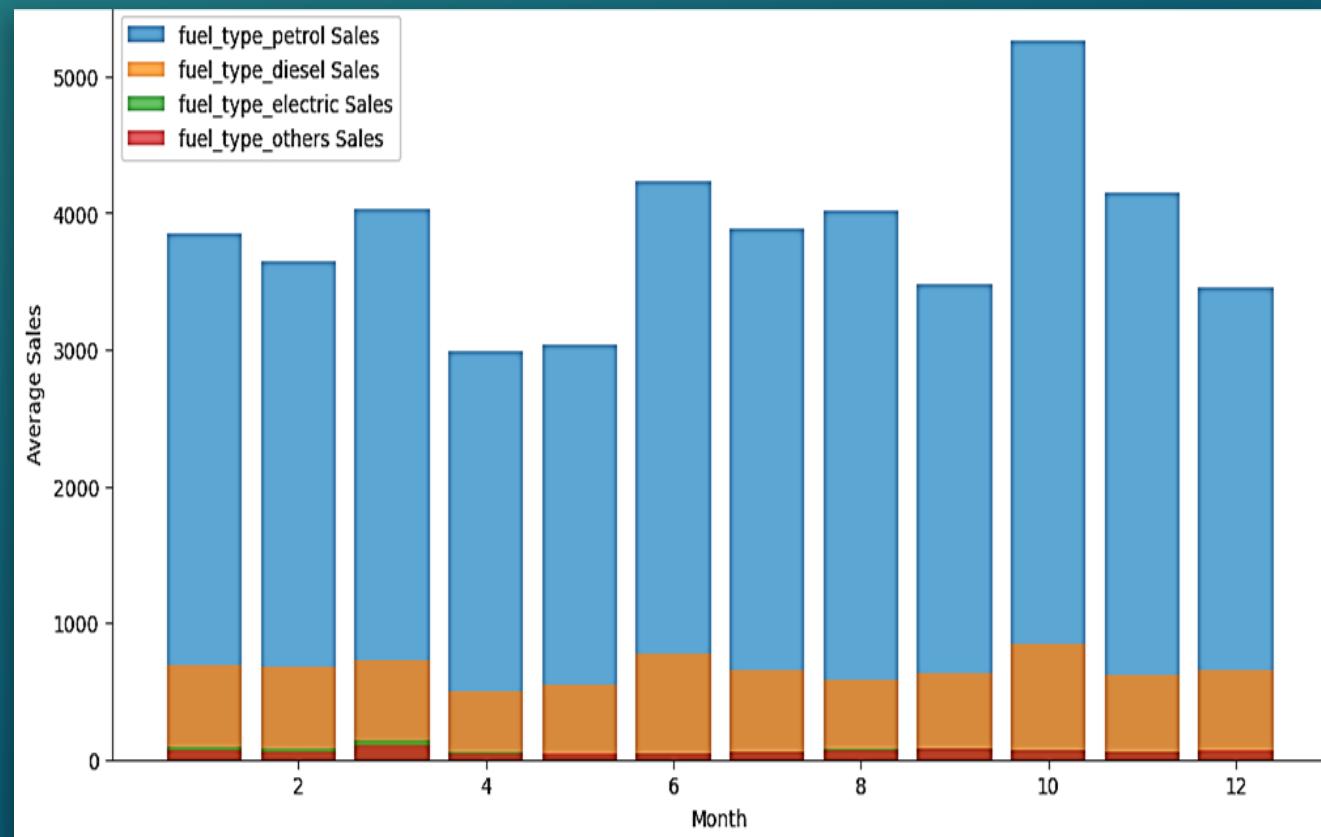


Month	Total vehicle Sales
January	₹ 5,64,491
February	₹ 5,35,443
March	₹ 6,00,458
April	₹ 4,30,723
May	₹ 4,39,195
June	₹ 6,13,414
July	₹ 5,58,992
August	₹ 5,69,051
September	₹ 5,10,831
October	₹ 7,48,812
November	₹ 5,86,376
December	₹ 5,07,991

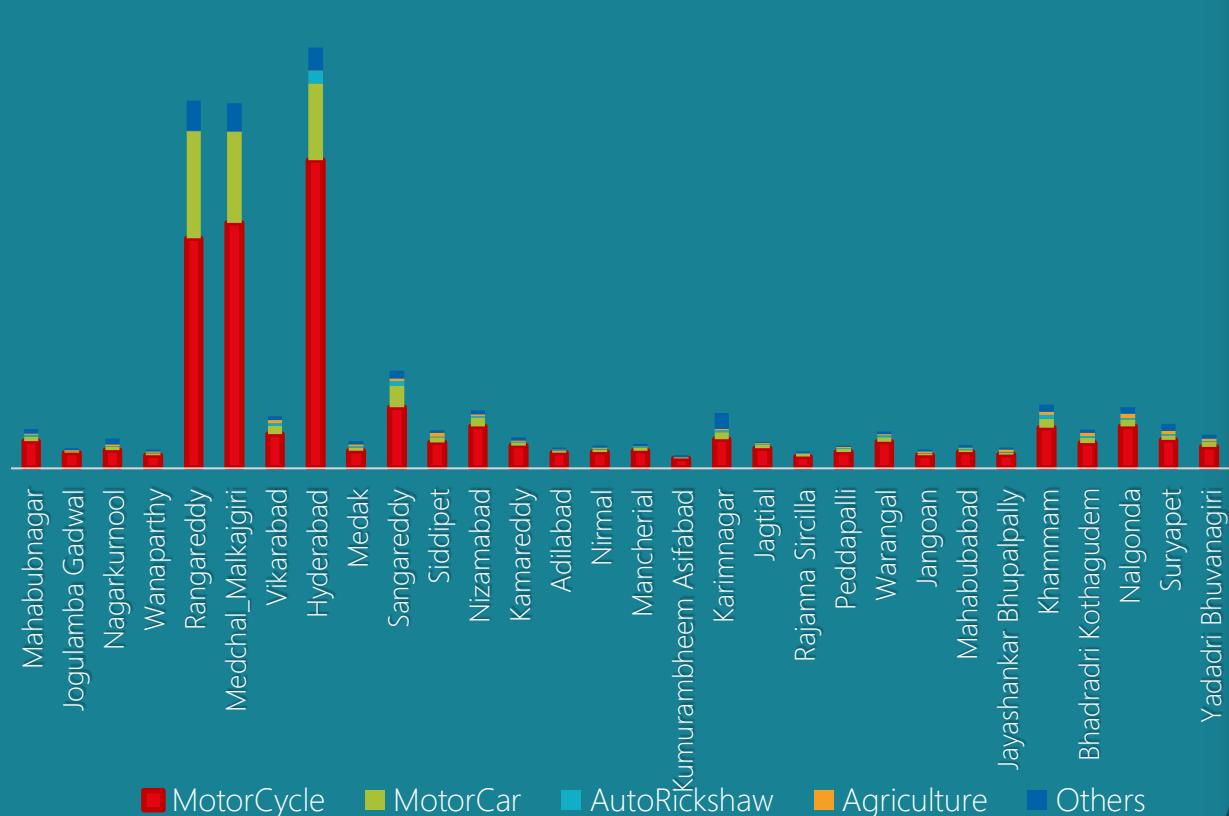
Vehicle preferences as per total sales



Seasonal trends in vehicle sales as per fuel type



Vehicle class across districts

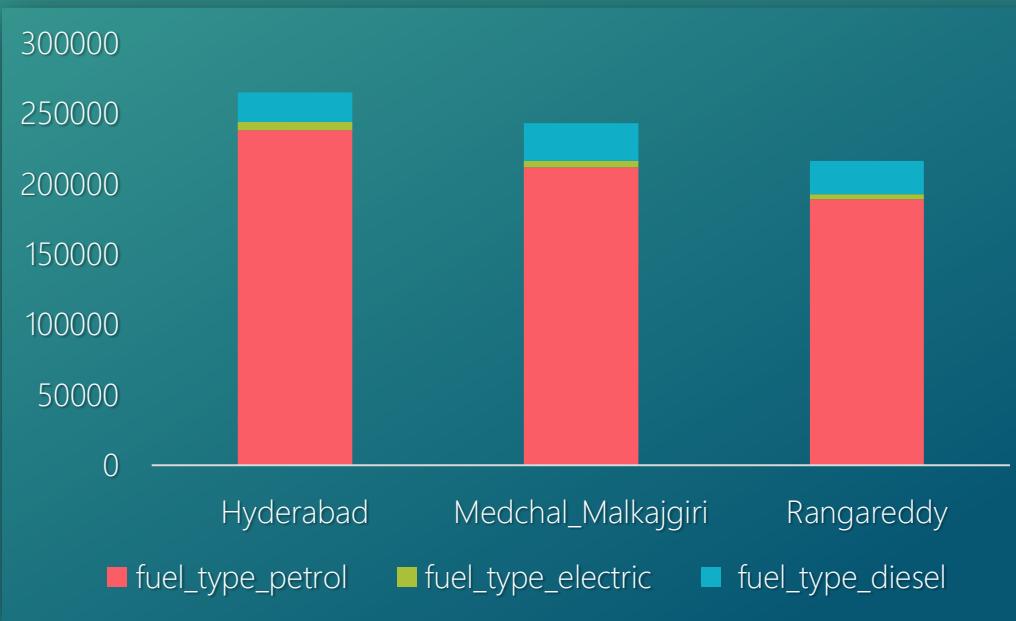


District	MotorCycle	MotorCar	AutoRickshaw	Agriculture
Mahabubnagar	17977	3300	1130	937
Jogulamba Gadwal	10300	899	116	868
Nagarkurnool	12229	2066	366	1556
Wanaparthy	8771	1194	372	985
Rangareddy	154186	71832	69	449
Medchal_Malkajgiri	164626	61071	83	261
Vikarabad	23116	5211	2046	1814
Hyderabad	206819	51447	8397	20
Medak	11663	2347	610	1579
Sangareddy	40784	14565	3381	1570
Siddipet	17401	3254	524	2437
Nizamabad	28105	5824	1011	1181
Kamareddy	15184	2153	379	748
Adilabad	10410	1416	368	467
Nirmal	10984	1581	295	989
Mancherial	11603	2218	550	400
Kumurambheem Asifabad	6433	479	286	160
Karimnagar	19411	4818	1042	999
Jagtial	13639	2055	272	858
Rajanna Sircilla	8007	1376	148	675
Peddapalli	10818	2205	382	705
Warangal	17770	2937	1331	681
Jangoan	8617	1177	397	1225
Mahabubabad	11046	1155	680	906
Jayashankar Bhupalpally	9225	1343	218	1928
Khammam	27385	5880	2690	2121
Bhadradri Kothagudem	17022	3157	1388	2013
Nalgonda	27942	4927	964	2599
Suryapet	19165	3038	739	2188



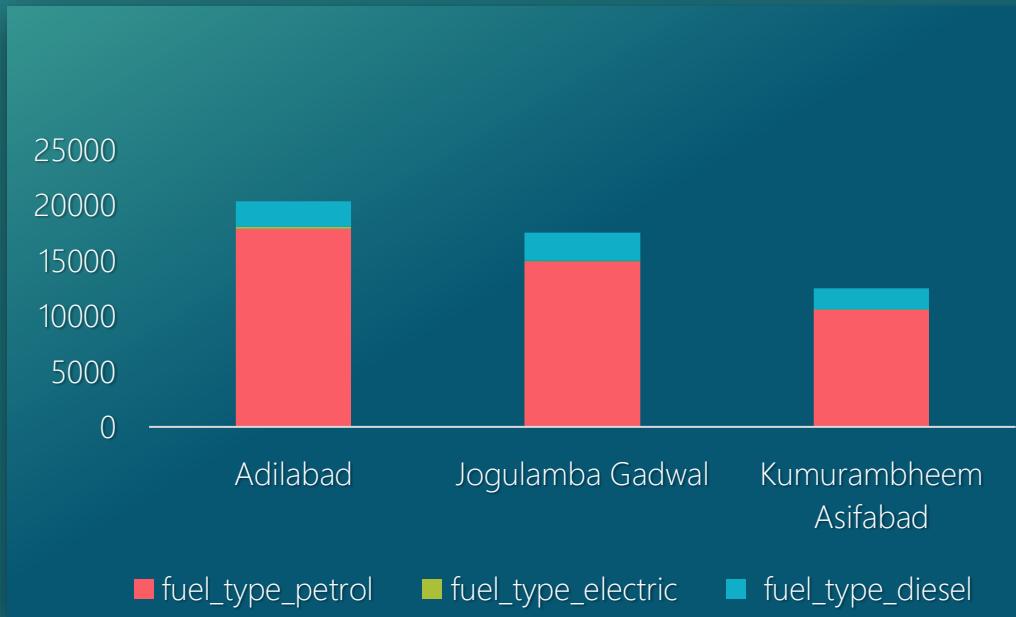
List down the top 3 and bottom 3 districts that have shown the highest and lowest vehicle sales growth during FY 2022 compared to FY 2021 (Consider and compare categories: Petrol, Diesel and Electric)





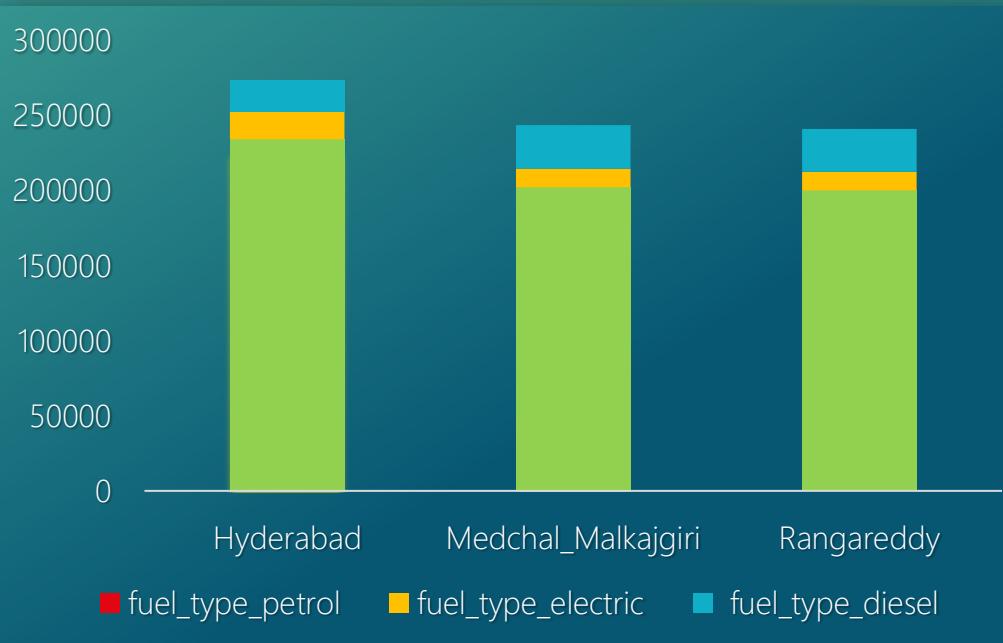
Top 3 districts Vehicle sale 2021

District	Petrol	Electric	Diesel
Hyderabad	238164	5911	20783
Medchal_Malkajgiri	211732	4658	26616
Rangareddy	188759	3713	23653

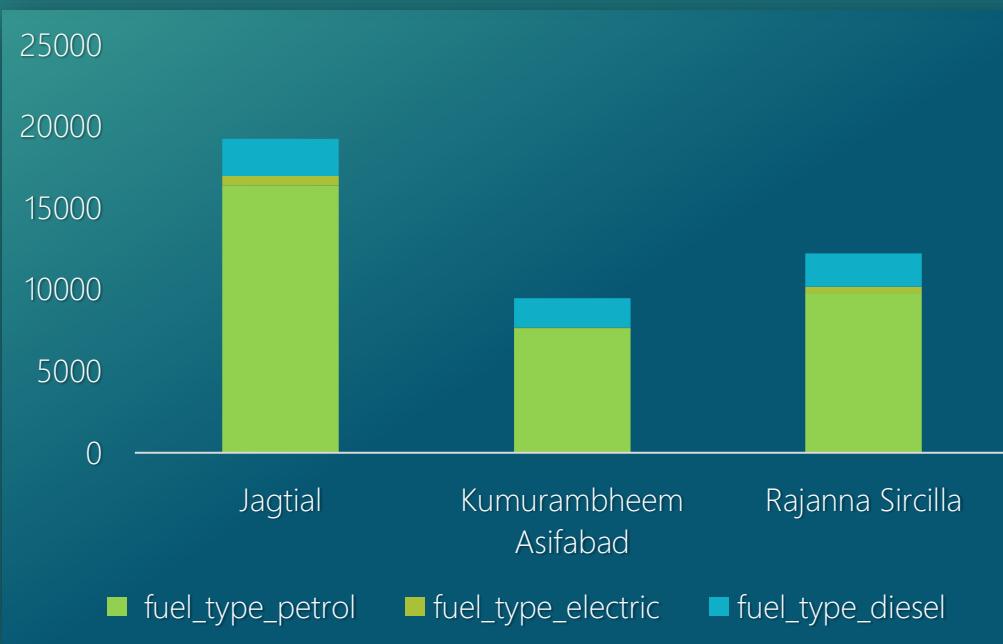


Bottom 3 districts Vehicle sale 2021

District	Petrol	Electric	Diesel
Jogulamba Gadwal	14946	35	2531
Kumurambheem Asifabad	10577	16	1904
Adilabad	17888	171	2280



Top 3 districts Vehicle sale 2021



District	Petrol	Electric	Diesel
Hyderabad	234151	18276	21605
Medchal_Malkajgiri	202344	12388	29139
Rangareddy	200396	12248	28566

Top 3 districts Vehicle sale 2021

District	Petrol	Electric	Diesel
Jagtial	16369	593	2264
Kumurambheem	7592	73	1809
Rajanna Sircilla	9777	389	2031

Ts-Ipaas (Telangana State Industrial Project Approval and Self Certification System)



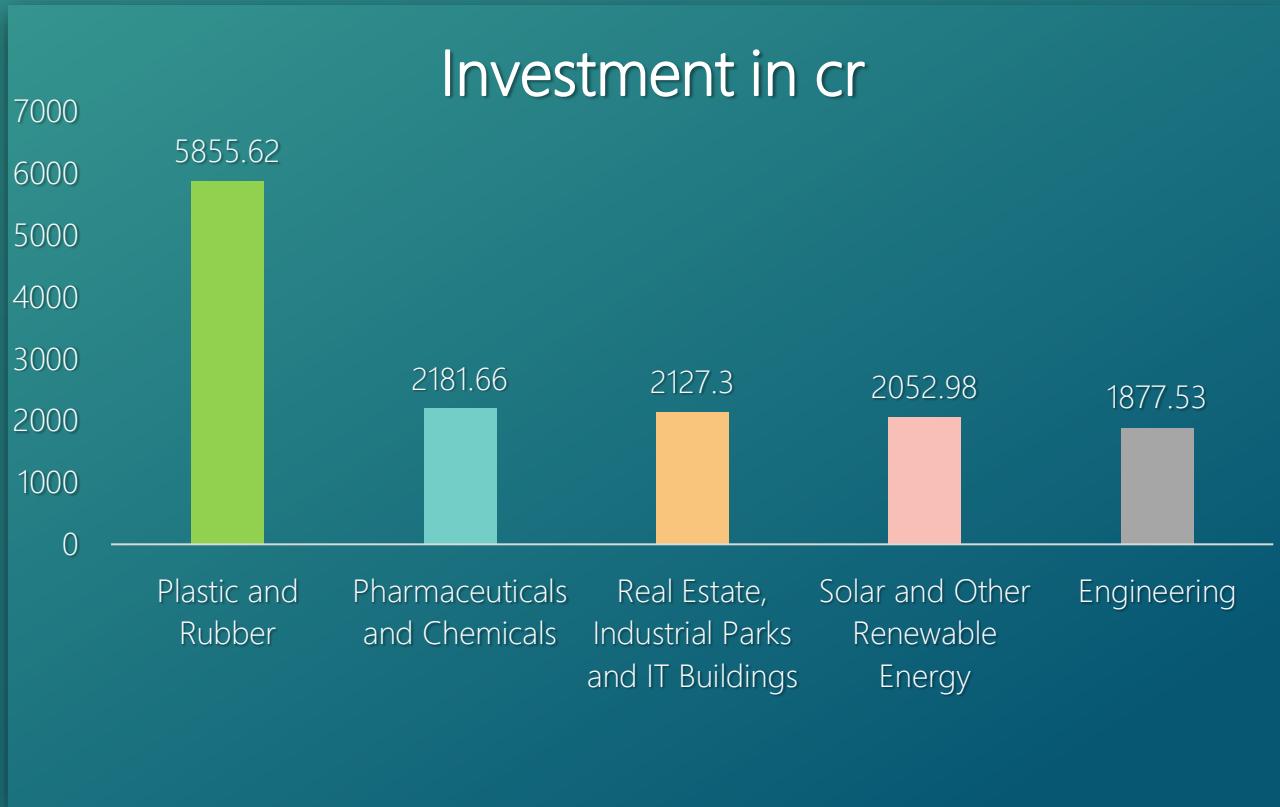
•Key Highlights•

- 1. Streamlined Approvals:** TS iPASS simplifies and accelerates the industrial project approval process, reducing bureaucratic delays.
- 2. Ease of Doing Business:** It promotes a business-friendly environment, attracting investments and fostering economic growth.
- 3. Transparency and Self-Certification:** The system enhances transparency, allows self-certification, and provides a single-window clearance mechanism.
- 4. Job Creation:** Faster project approvals lead to increased industrialization and job opportunities.
- 5. Investor Confidence:** TS iPASS builds investor confidence, making Telangana an attractive destination for investments.



List down the top 5 sectors that have witnessed the most significant investments in FY 2022.

The top 5 sectors that have witnessed the most significant investments in FY 2022.

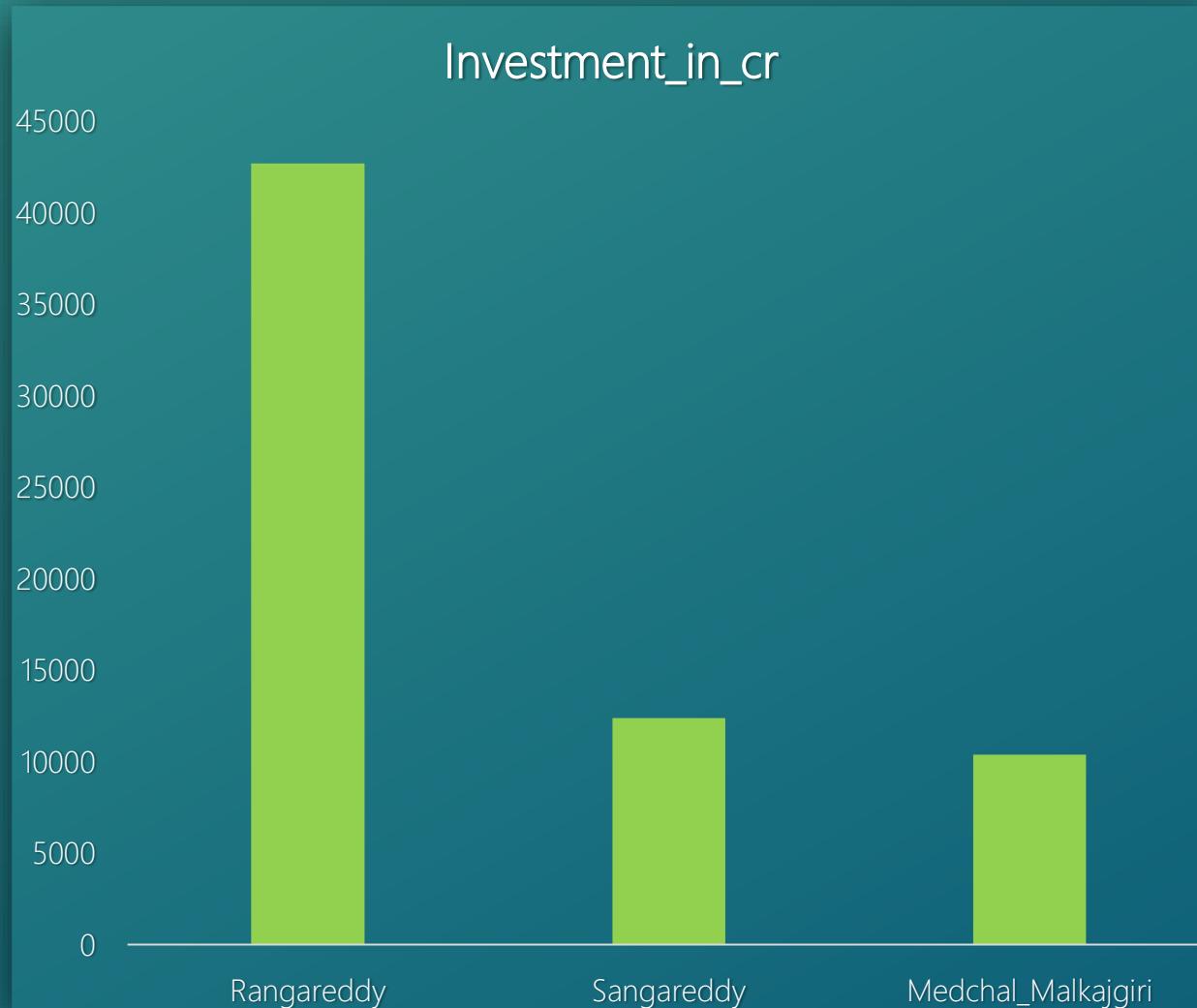


Top 5 Sector	Investment in cr
Plastic and Rubber	5855.62
Pharmaceuticals and Chemicals	2181.66
Real Estate, Industrial Parks and IT Buildings	2127.3
Solar and Other Renewable Energy	2052.98
Engineering	1877.53

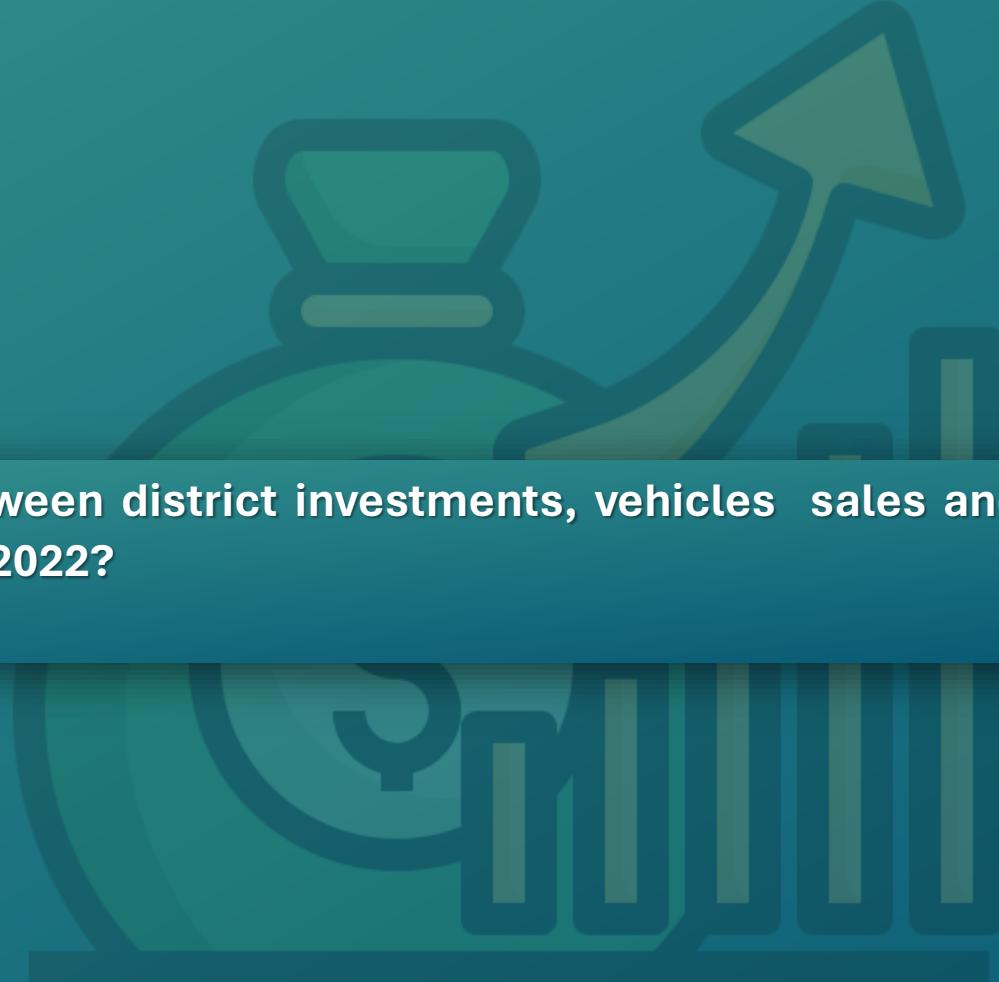


List down the top 3 districts that have attracted the most significant sector investments during FY 2019 to 2022? What factors could have led to the substantial investments in these particular districts?

top 3 districts that have attracted the most significant sector investments during FY 2019 to 2022

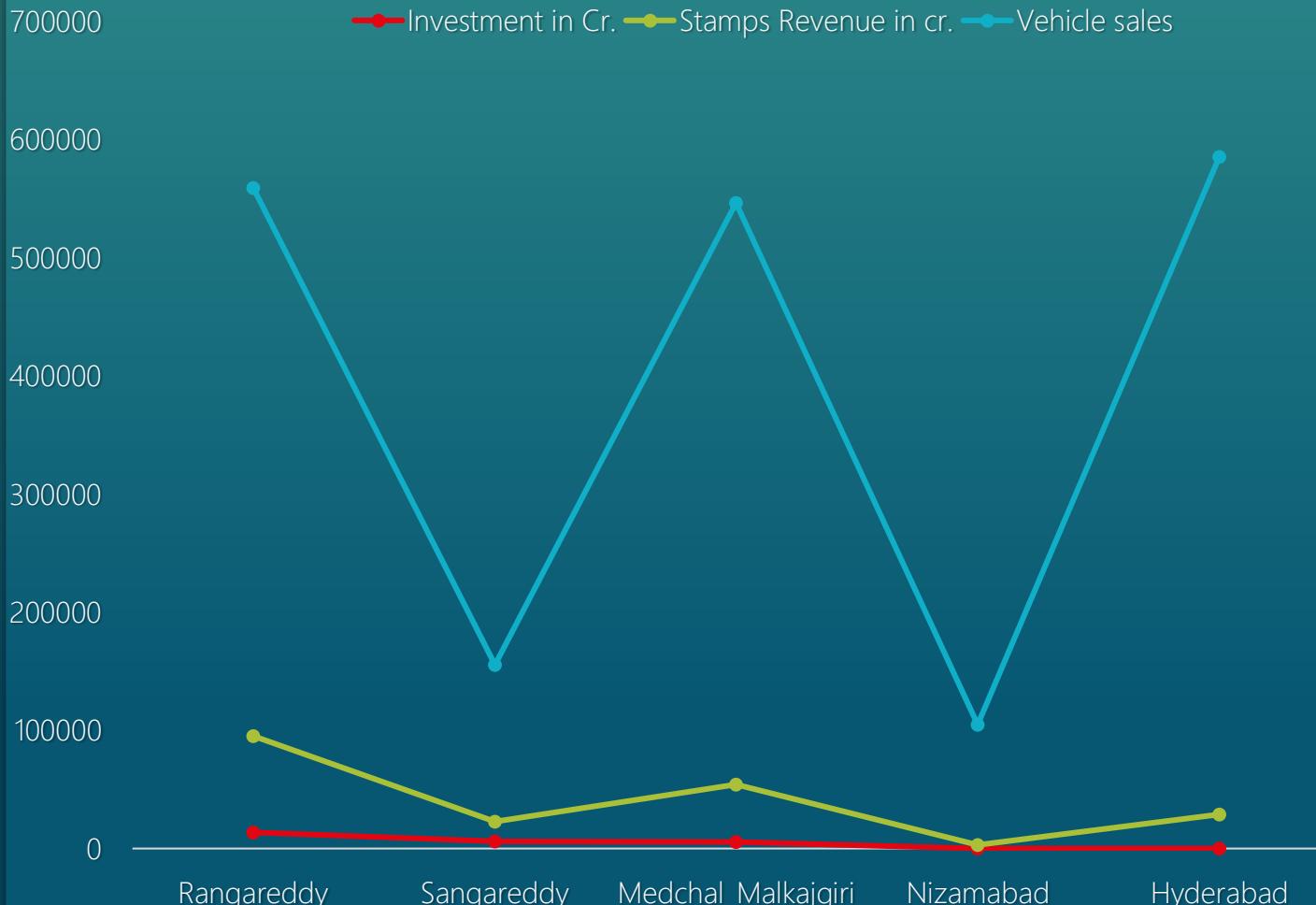


District	Investment_in_cr
Rangareddy	42706.35
Sangareddy	12366.87
Medchal_Malkajgiri	10394.57



Is there any relationship between district investments, vehicles sales and stamps revenue within the same district between FY 2021 and 2022?

Relationship between district investments, vehicles sales and stamps revenue within the same district.



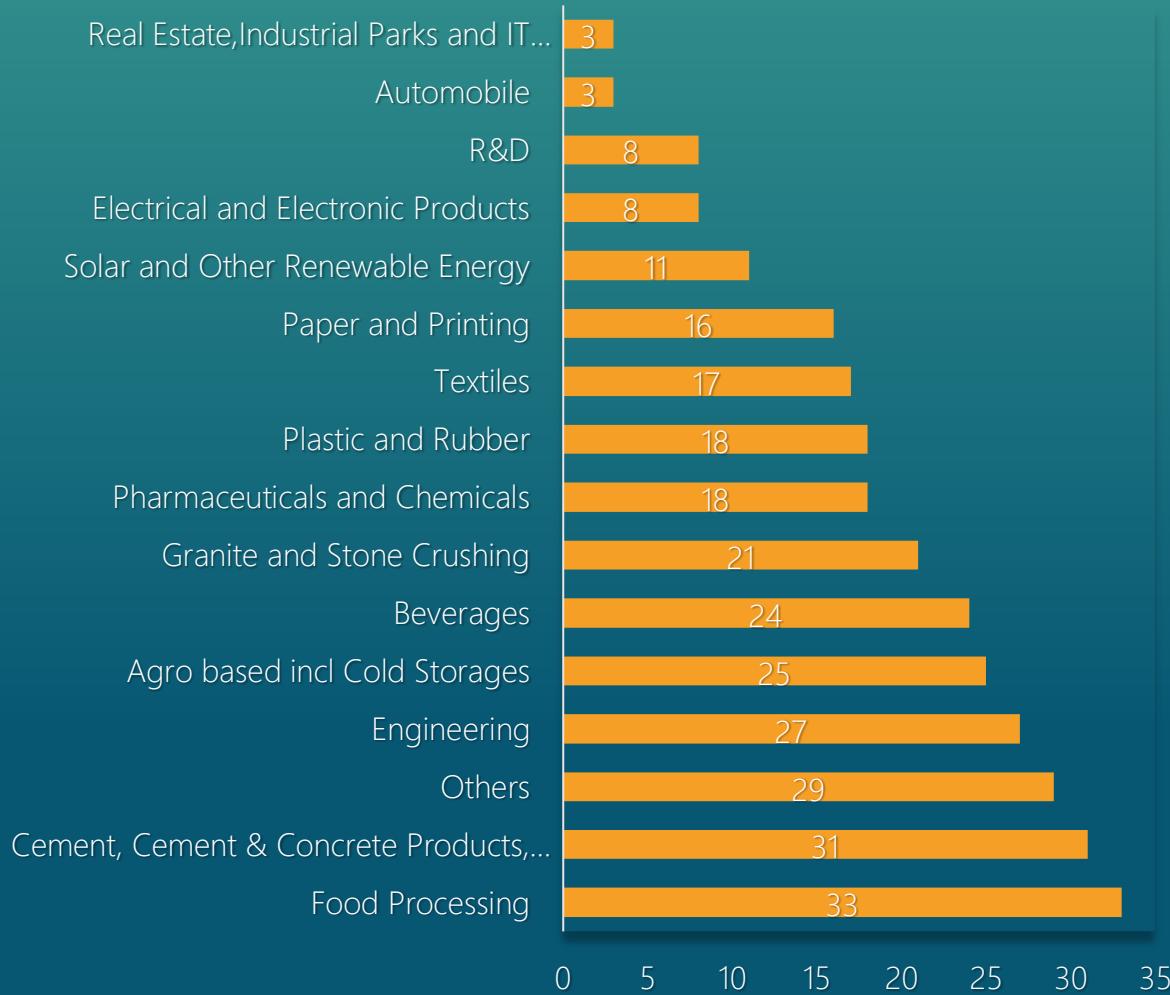
District	Investment in Cr.	Stamps Revenue	Vehicle sales
Rangareddy	13926.95	₹ 81,33,69,93,463	463694
Sangareddy	6004.48	₹ 16,70,82,19,605	132959
Medchal_Malkajgiri	5428.4	₹ 48,81,93,68,222	492154
Nizamabad	127.7	₹ 3,04,70,94,971	101708
Hyderabad	34.81	₹ 28,65,23,97,786	556753



Are there any particular sectors that have shown substantial investment in multiple districts between FY 2021 and 2022?

Sectors that have shown substantial investment in multiple districts between FY 2021 and 2022

District Counts



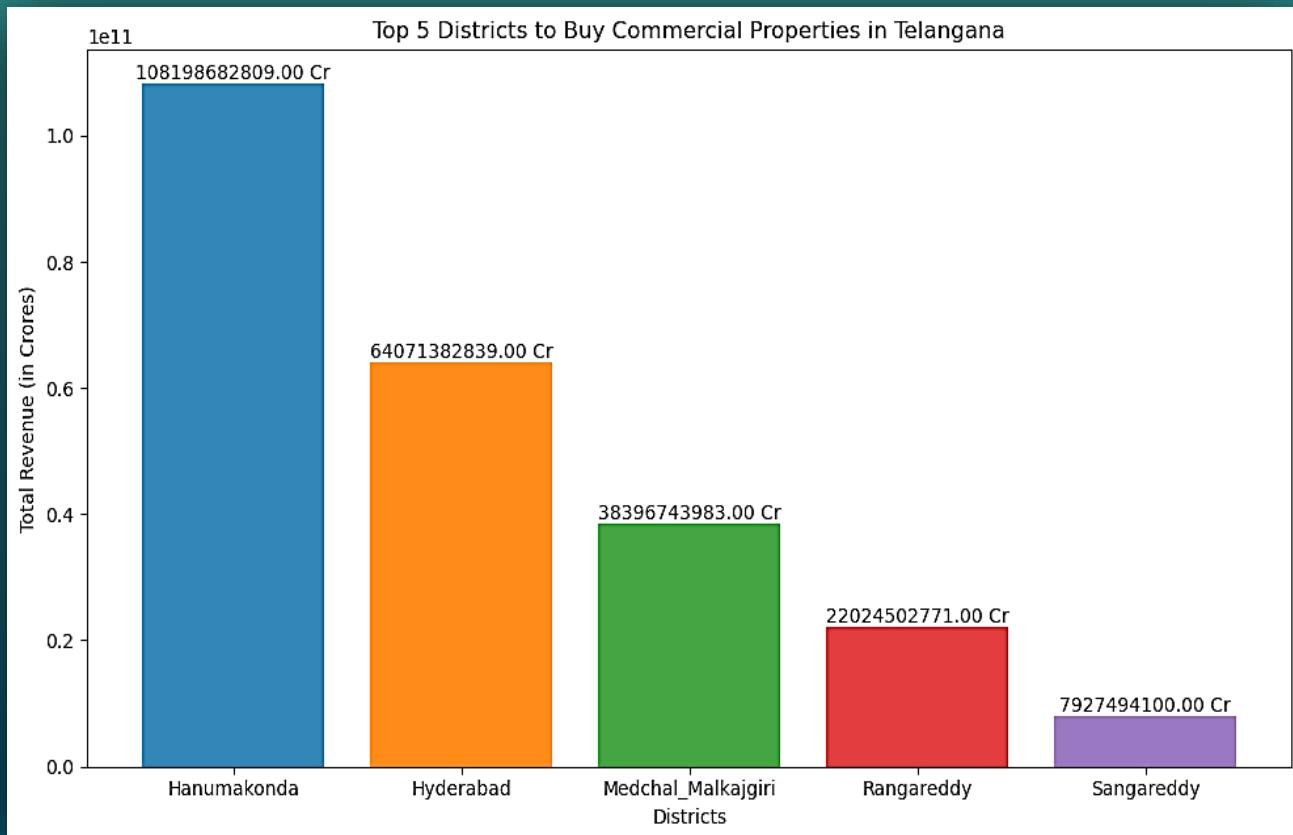
Sector	District Counts	Investment in cr
Food Processing	33	1455.944
Cement, Cement & Concrete Products, Fly Ash Br	31	1142.747
Others	29	1040.356
Engineering	27	1877.453
Agro based incl Cold Storages	25	1263.55
Beverages	24	476.7425
Granite and Stone Crushing	21	946.7192
Pharmaceuticals and Chemicals	18	2181.634
Plastic and Rubber	18	5855.61
Textiles	17	176.1469
Paper and Printing	16	1251.371
Solar and Other Renewable Energy	11	2052.985
Electrical and Electronic Products	8	484.4655
R&D	8	1484.903
Automobile	3	1567.427
Real Estate, Industrial Parks and IT Buildings	3	2127.296

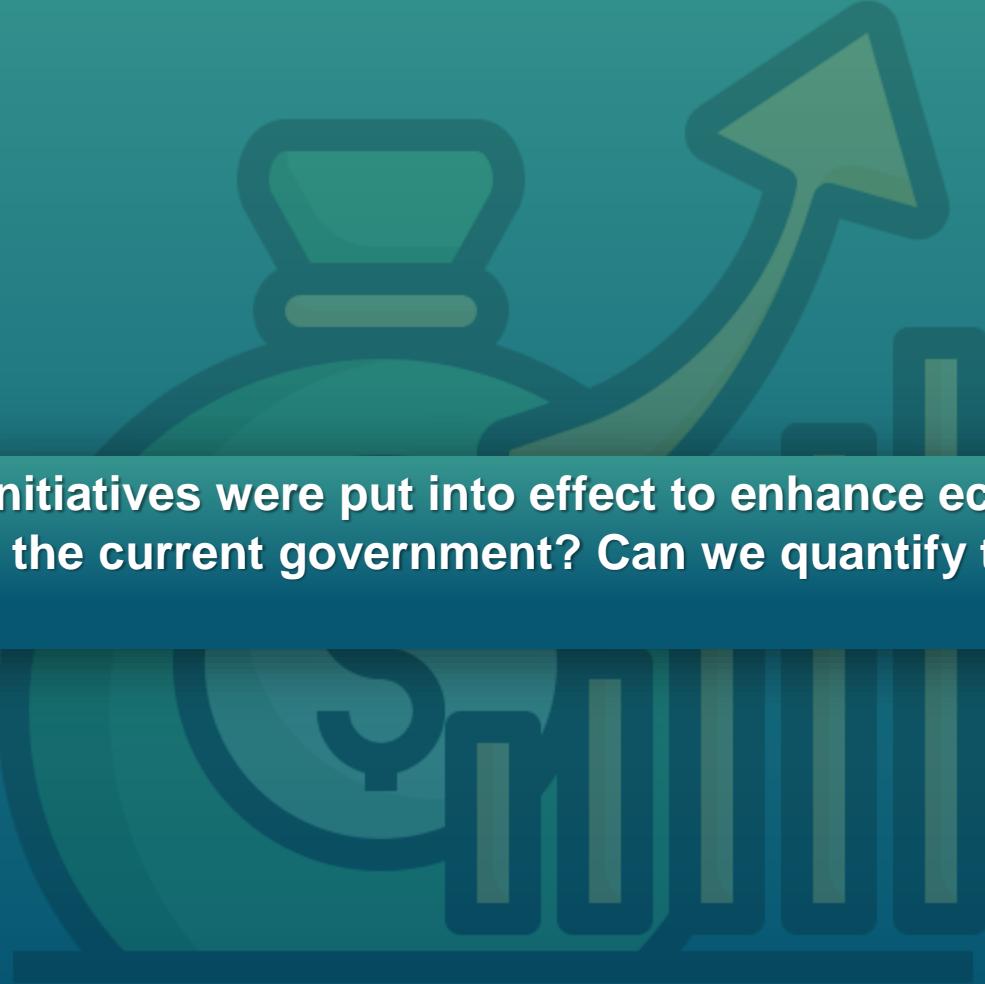


Can we identify any seasonal patterns or cyclicality in the investment trends for specific sectors? Do certain sectors experience higher investments during particular months?

Secondary Research

District	Top districts to buy commercial properties
Rangareddy	₹ 1,08,19,86,82,809
Medchal	₹ 64,07,13,82,839
Malkajgiri	₹ 38,39,67,43,983
Hyderabad	₹ 22,02,45,02,771
Sangareddy	₹ 7,92,74,94,100
Hanumakonda	





What significant policies or initiatives were put into effect to enhance economic growth, investments, and employment in Telangana by the current government? Can we quantify the impact of these policies using available data?

The current government of Telangana has implemented several policies and initiatives to enhance economic growth, investments, and employment in the state. Some notable ones include:

- **Industrial Development:** The government has focused on promoting industrial development in Telangana, leading to rapid and robust economic growth in the state. The Gross State Domestic Product (GSDP) has grown by **15.6%** over the previous year.
- **Investment Promotion:** Telangana has attracted significant investments across various sectors. The state government has implemented policies to create a favorable business environment, provide infrastructure support, and offer incentives to attract both domestic and foreign investments.
- **Employment Generation:** The government has taken steps to promote employment generation in Telangana. This includes initiatives such as skill development programs, entrepreneurship promotion, and support for startups.

TS-iPASS offers several benefits to businesses and investors

- **Simplified Approval Process:** TS-iPASS simplifies the approval process by providing a single platform for submitting applications and obtaining necessary clearances from various departments.
- **Time-bound Approvals:** The system ensures time-bound approvals, reducing delays and enabling faster project implementation.
- **Transparency:** TS-iPASS promotes transparency by providing real-time updates on the status of applications and approvals.
- **Self-Certification:** The system allows businesses to self-certify compliance with various laws and regulations, reducing the need for multiple inspections.
- **Investor Support:** TS-iPASS provides investor support services, including assistance in identifying suitable land, infrastructure development, and facilitation of necessary approvals.

Insights & recommendations



Top 5 Insights

1. Top five districts of Telangana in every aspect.

District
Rangareddy
Medchal Malkajgiri
Hyderabad
Sangareddy
Hanumakonda

2. Total vehicles sales in Telangana

7 Million

District with highest vehicles is:

Hyderabad

3 .Highest preference of peoples for seating capacity in vehicles is :

1 to 3 seats

4. Total no of employees and sector with highest employees

Total Employees - 6,75,000

Sector with highest employees - Real Estate, Industrial Parks and IT Buildings

5. Top 3 Highest investment sector in Telangana

- **Real Estate, Industrial Parks and IT Buildings**
- **Pharmaceuticals and Chemicals**
- **Plastic and Rubber**

Top 5 recommendations



1. Sustainable Investments

**In 2022, the plastic and rubber sector attracted the highest investments.
While economic growth is important, we should prioritize sectors that align
with environmental sustainability and nature conservation.**

2. Promote Electric Vehicles

Petrol and diesel sales continue to dominate over electric vehicles. To reduce emissions and promote sustainability, it's imperative to increase the supply and adoption of electric vehicles across the state.

3. Diversify Investment

In 2021 and 2022, a significant portion of investments flowed into Real Estate, Industrial Parks, and IT Buildings, but primarily in just three districts. Expanding these investments to more districts can drive employment opportunities and regional development.

4. Renewable Energy

Investment in Solar and Other Renewable Energy is concentrated in only 11 districts. Expanding renewable energy projects to cover all 33 districts can help reduce reliance on non-renewable sources and promote clean energy.

5.Embrace Tech Innovation

In an era of artificial intelligence and machine learning, Telangana should actively seek investment in information technology and machine learning initiatives. Embracing these technologies can lead to innovation, efficiency, and competitiveness.



Thank You