



# Telangana Growth Analysis



**OPEN DATA**  
TELANGANA



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# Introduction

- ▶ Telangana is one of the 29 states in India, located in the southern part of the country. It was formed on June 2<sup>nd</sup> ,2014 becoming the youngest state in India.
- ▶ The Government of Telangana State has initiated various policies and measures to achieve the overall development of Telangana State in a sustainable and balanced manner.
- ▶ The state's economy is driven by agriculture, industry, and services. It is known for its Information Technology and pharmaceutical sectors, making Hyderabad a major IT hub in India.
- ▶ Telangana has established special economic zones (SEZs) and industrial parks to promote economic growth and investment, including the Hyderabad Information Technology and Engineering Consultancy City (HITEC City).
- ▶ Telangana is a dynamic and diverse state with a growing economy and a unique cultural heritage that sets it apart in India's vibrant tapestry of states.

# Objectives

Explore Stamp Registration,  
Transportation, and Ts-IPass Datasets

Discuss Revenue Generation,  
Transportation Trends, and Industrial  
Investments

Provide Insights for Informed  
Decision-Making about Telangana's  
Economic Growth

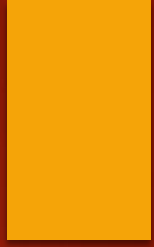
Highlight Recent Economic  
Development

Explore Policies, Initiatives, and  
Recommendations for Sustained  
Prosperity

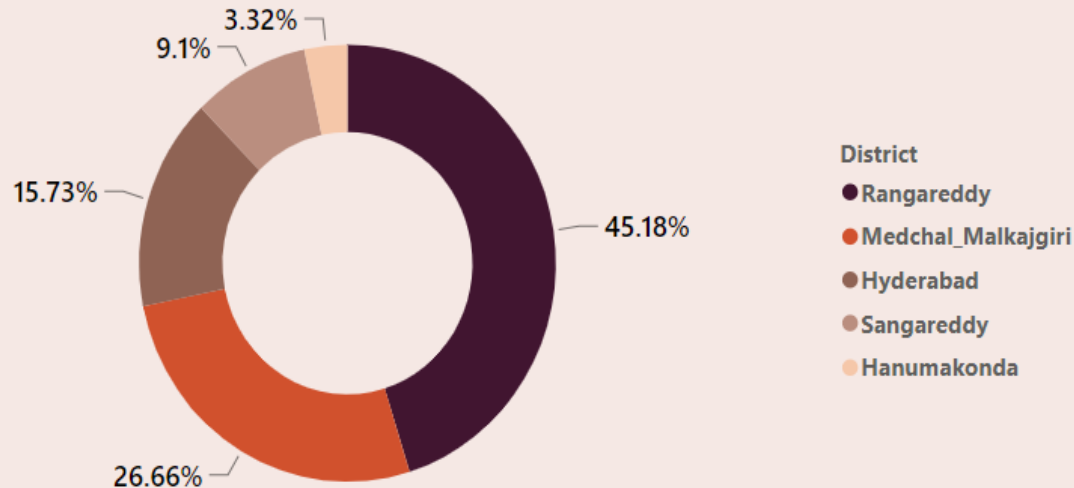


# Stamp Registration Analysis

# 1. Top 5 districts that showed the highest document registration revenue growth between FY 2019 and 2022.



Top 5 District with Document Registration Revenue in FY 2019 to 2022



- ▶ Rangareddy contributes highest document registration revenue of 45.18% which is around ₹98.68bn in FY2019 to 2022
- ▶ Medchal malkajgiri and Hyderabad generates revenue of ₹58.24bn and ₹34.36bn in FY2019 to 2022

2. List down the top 5 districts where e-stamps revenue contributes significantly more to the revenue than the documents in FY 2022?

Doc Registration Revenue vs Estamps Revenue in FY2022

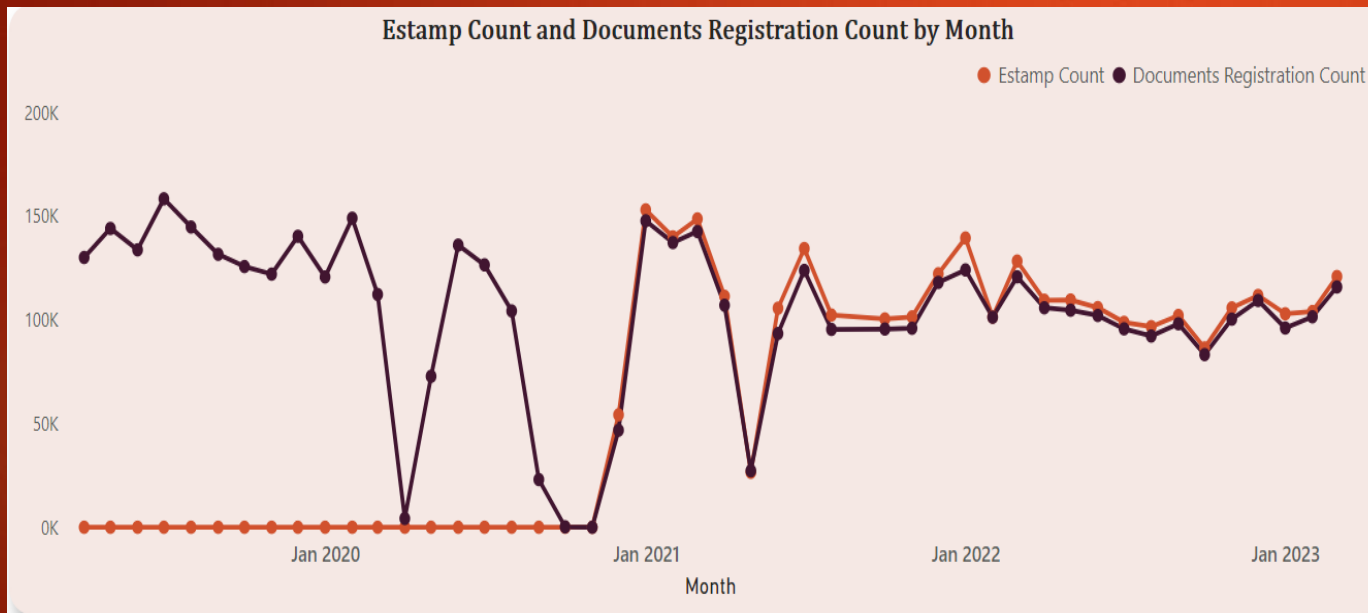
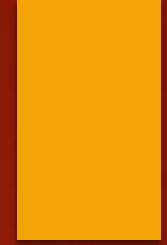
district	Reg_doc_revenue	estamps_challans_revenue	Rev_diff ▼
Rangareddy	₹ 3,946.55 Cr	₹ 3,995.54 Cr	₹ 48.99 Cr
Medchal_Malkajgiri	₹ 2,426.47 Cr	₹ 2,439.41 Cr	₹ 12.94 Cr
Hyderabad	₹ 1,386.04 Cr	₹ 1,395.91 Cr	₹ 9.86 Cr
Sangareddy	₹ 827.92 Cr	₹ 837.17 Cr	₹ 9.25 Cr
Khammam	₹ 205.05 Cr	₹ 207.86 Cr	₹ 2.81 Cr
Hanumakonda	₹ 289.10 Cr	₹ 291.12 Cr	₹ 2.02 Cr

### Top 5 District

- ▶ Rangareddy
- ▶ Medchal Malkajgiri
- ▶ Hyderabad
- ▶ Sangareddy
- ▶ Khammam



### 3. Is there any alteration of e-Stamp challan count and document registration count pattern since the implementation of e-Stamp challan?



- ▶ **E-STAMP** refers to the stamp duty, transfer duty, registration fees and user charges paid by the public to register any deed. Since 2020 E-stamp challan count has significantly increased while document registration count has decreased.
- ▶ Impact of Digital India is one of the biggest factor in the increase of E-Stamp challan.
- ▶ Because of high per unit revenue, the government should explore opportunities to promote E-stamp sales further.

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

Categorization of Stamps Registration Revenue During FY2021 to 2022 by Districts

District	Estamps Registration Revenue	Revenue Segment
Rangareddy	₹ 6,962.46 Cr	High Revenue
Medchal_Malkajgiri	₹ 4,168.09 Cr	High Revenue
Hyderabad	₹ 2,390.25 Cr	High Revenue
Sangareddy	₹ 1,432.09 Cr	High Revenue
Hanumakonda	₹ 493.05 Cr	Mid Revenue
Khammam	₹ 365.24 Cr	Mid Revenue
Yadadri Bhuvanagiri	₹ 352.07 Cr	Mid Revenue
Nizamabad	₹ 261.92 Cr	Mid Revenue
Nalgonda	₹ 261.60 Cr	Mid Revenue
Karimnagar	₹ 254.34 Cr	Mid Revenue
Mahabubnagar	₹ 195.64 Cr	Mid Revenue
Suryapet	₹ 179.29 Cr	Mid Revenue
Siddipet	₹ 163.78 Cr	Mid Revenue
Peddapalli	₹ 110.54 Cr	Mid Revenue
Medak	₹ 107.37 Cr	Mid Revenue

Revenue is categories into three segments :

- ▶ High Revenue – More than ₹1000Cr
  - ▶ Medium Revenue – Between ₹100Cr to ₹1000Cr
  - ▶ Low Revenue – Less than ₹100 Cr
- 
- ▶ There are 4 districts having high revenue of E-Stamp registration in FY 2021 to 2022.
  - ▶ Maximum Districts generates low revenue in FY 2021 to 2022 from E-Stamp registration.

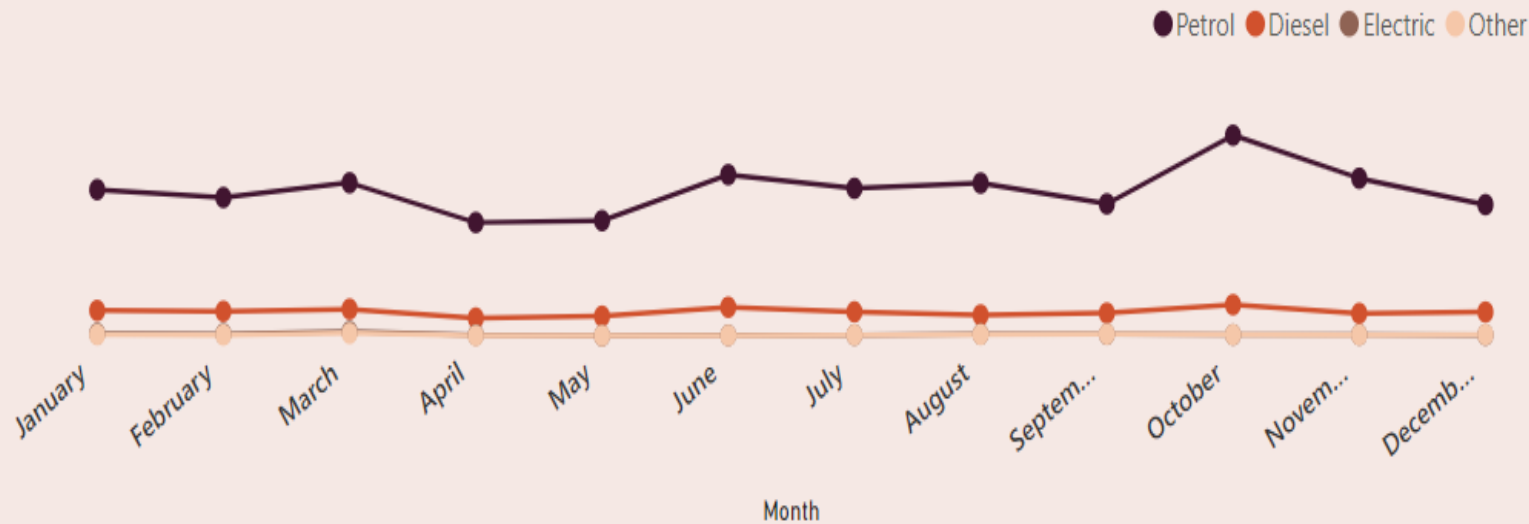




# Transportation

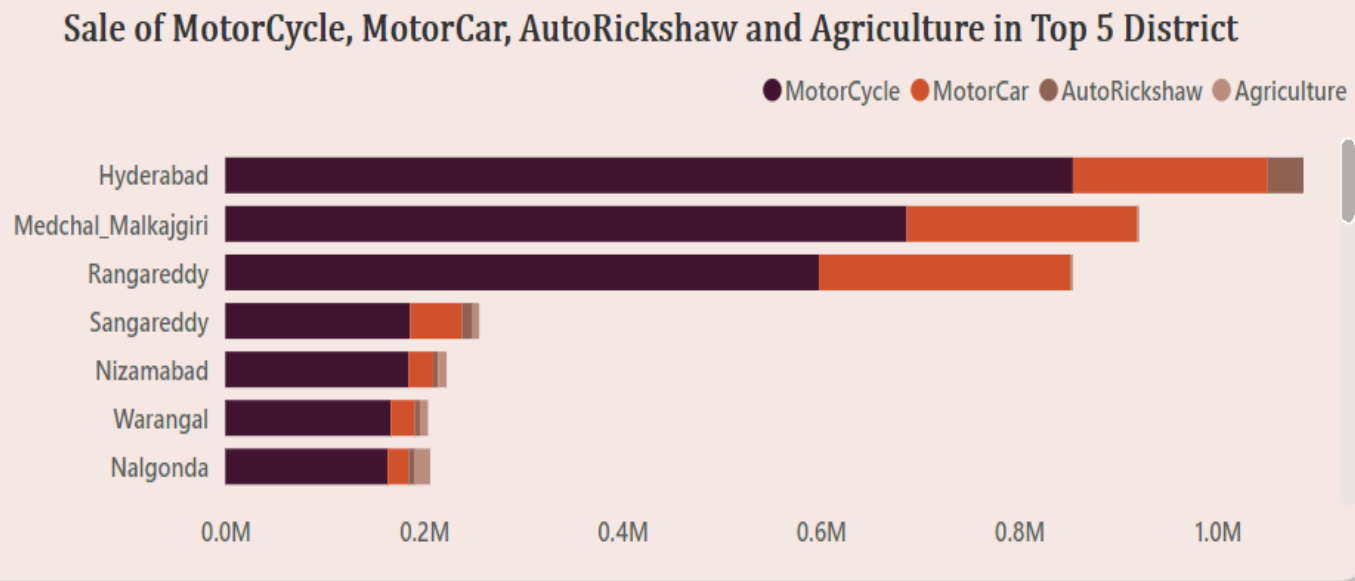
## 5. There is any correlation between vehicle sales and specific months or seasons in different districts.

Petrol, Diesel, Electric and Other Types Vehicle Sale by Month



- ▶ In the month of March, June and October vehicle sales are typically High.
- ▶ May and April months encountered with lowest vehicle sale.
- ▶ Overall Petrol vehicle sale is higher than other fuel type vehicles.

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



- ▶ Motorcycles dominate as the preferred vehicle class in all districts, accounting for more than 74% of the total vehicle sales in the majority of districts.
- ▶ Motorcars hold the position of being the second most favored choice, whereas agriculture rank third in popularity in certain districts.
- ▶ No district exhibits a dominant preference for a particular vehicle class. Whereas in certain districts, specific vehicle classes shows greater popularity than others.

## 7. 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?

**Top 3 District by Vehicle Sale  
(Petrol,Diesel,Electric)**

● 2021 ● 2022



Top 3 Districts –

- ▶ Hyderabad
- ▶ Medchal Malkajgiri
- ▶ Rangareddy

**Bottom 3 District by Vehicle Sale  
(Petrol,Diesel,Electric)**

● 2021 ● 2022



Bottom 3 District –

- ▶ Wanaparthy
- ▶ Rajanna Sircilla
- ▶ Kumurambheem Asifabad



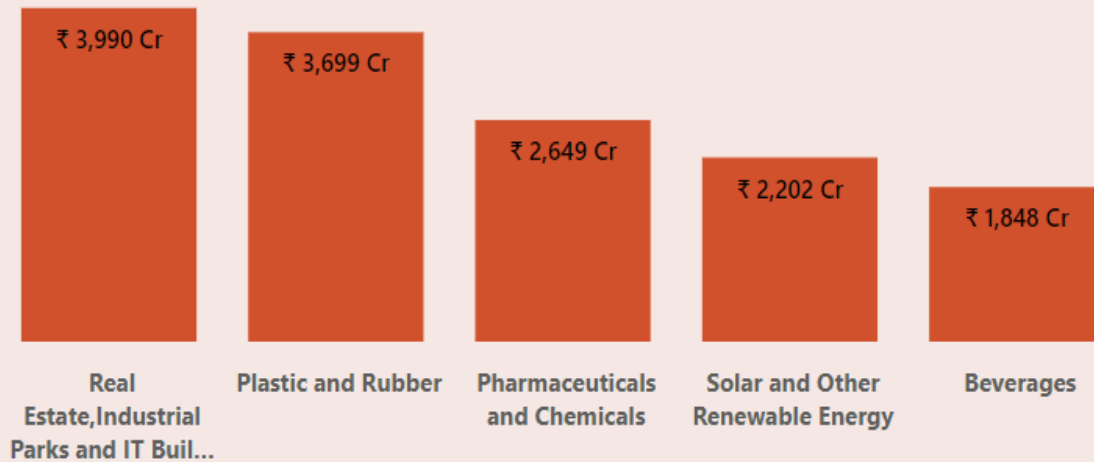
# TS- IPASS

(Telangana State Industrial Project Approval and Self Certification System)



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

Investment in Top 5 Sector in FY2022

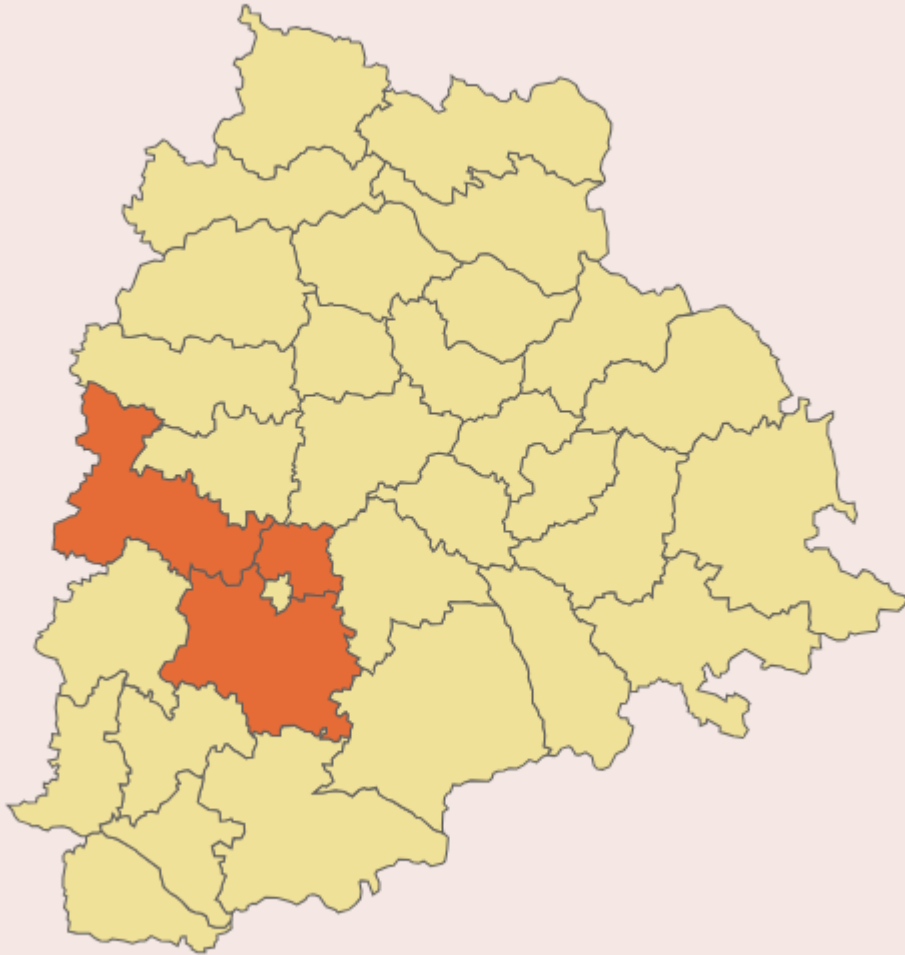


### Top 5 Sectors

- ▶ Real Estate, industrial parks & IT Buildings
- ▶ Plastic and Rubber
- ▶ Pharmaceuticals
- ▶ Solar and Other renewable energy
- ▶ Beverages

9. List down the top 3 districts that have attracted the most significant sector investments during FY 2019 to 2022?

Top 3 District with Sector Investment in FY 2019 to 2022



## Top 3 Districts

- ▶ Rangareddy
- ▶ Medchal Malkajgiri
- ▶ Sangareddy

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

District	Vehicle Sale	Stamp Revenue	Sector Invesment
Rangareddy	896869	₹ 6,962.46 Cr	₹ 13,926.95 Cr
Sangareddy	256523	₹ 1,432.09 Cr	₹ 6,004.48 Cr
Medchal_Malkajgiri	950826	₹ 4,168.09 Cr	₹ 5,428.40 Cr
Mahabubnagar	133669	₹ 195.64 Cr	₹ 2,030.88 Cr
Medak	82313	₹ 107.37 Cr	₹ 1,991.73 Cr
Yadadri Bhuvanagiri	101750	₹ 352.07 Cr	₹ 1,814.97 Cr
Narayanpet		₹ 45.26 Cr	₹ 1,517.74 Cr
Suryapet	133129	₹ 179.29 Cr	₹ 1,414.69 Cr
Nalgonda	190298	₹ 261.60 Cr	₹ 1,401.48 Cr
Siddipet	120717	₹ 163.78 Cr	₹ 1,321.72 Cr
Kamareddy	104237	₹ 84.22 Cr	₹ 1,082.73 Cr
Bhadradri Kothagudem	123591	₹ 53.25 Cr	₹ 1,031.04 Cr
Wanaparthy	58893	₹ 69.62 Cr	₹ 396.87 Cr
Khammam	191897	₹ 365.24 Cr	₹ 366.90 Cr
Nagarkurnool	89229	₹ 84.94 Cr	₹ 312.91 Cr
Karimnagar	138551	₹ 254.34 Cr	₹ 264.19 Cr
Mancherial	77951	₹ 106.58 Cr	₹ 192.64 Cr
Hanumakonda		₹ 493.05 Cr	₹ 183.82 Cr
Vikarabad	157722	₹ 86.19 Cr	₹ 154.83 Cr
Nizamabad	197832	₹ 261.92 Cr	₹ 127.70 Cr

- ▶ Certainly, there exists a correlation between investments in districts, vehicle sales, and stamp revenue within those same districts.
- ▶ When any of these factors experiences an increase, it typically exerts a positive influence on the others, setting off a chain reaction. For example, increased investments tend to stimulate the local economy, leading to a surge in job opportunities and overall prosperity.

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

## Top 5 Districts with Max. Investment in Multiple Sectors in FY 2021 & 2022

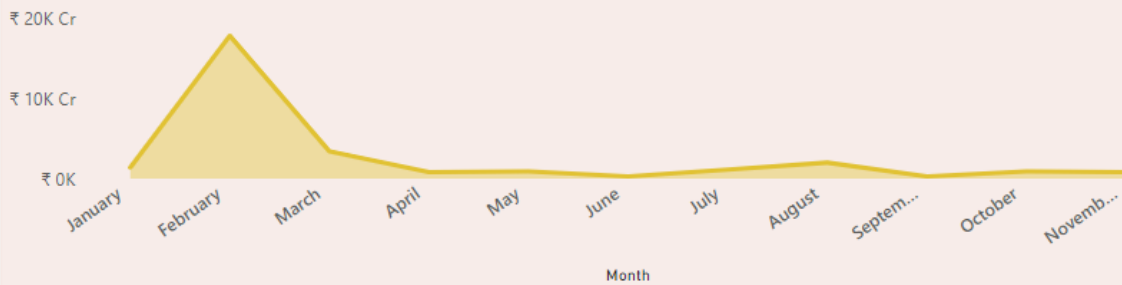
district ● Mahabubnagar ● Medak ● Medchal\_Malkajgiri ● Rangareddy ● Sangareddy



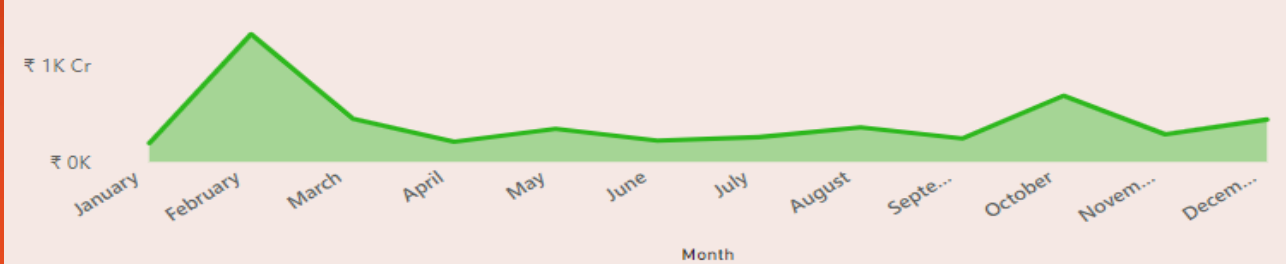
- Rangareddy, Sangareddy and Medchal Malkajgiri, these three districts are investing a substantial amount in multiple sectors, especially in plastics, pharmaceuticals, Real Estate, Engineering and more.

## 12. Can we identify any seasonal patterns or cyclicity in the investment trends for specific sectors?

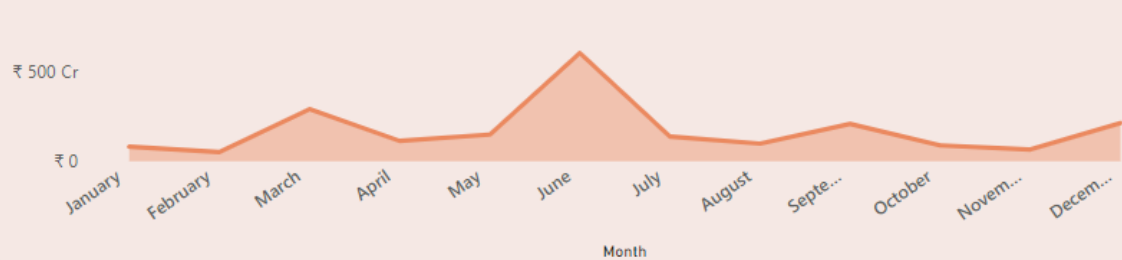
Investment in Real estate



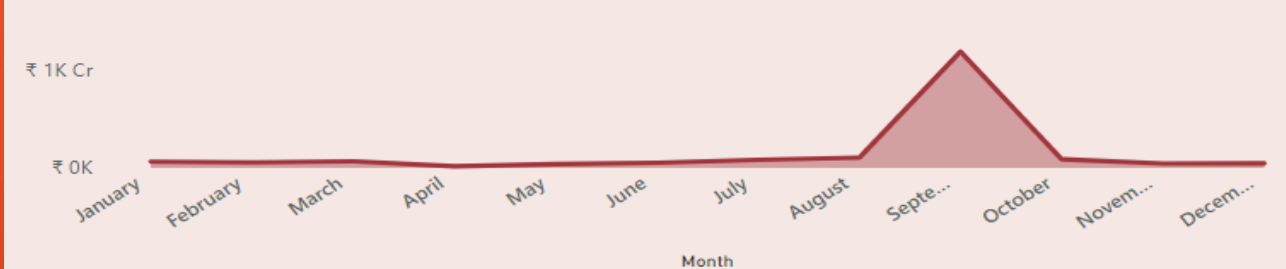
Investment in Engineering



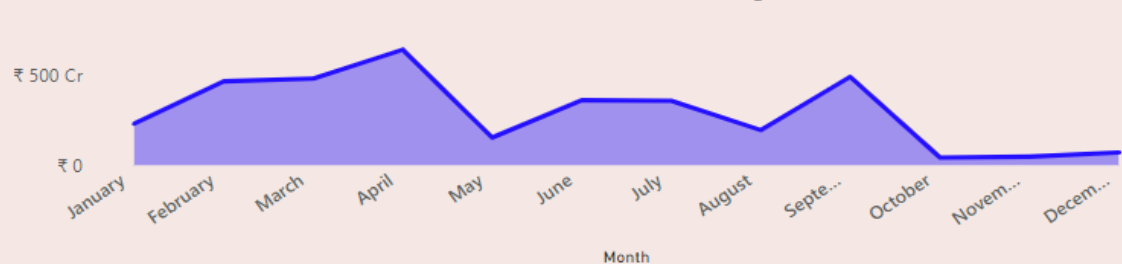
Investment in Agri



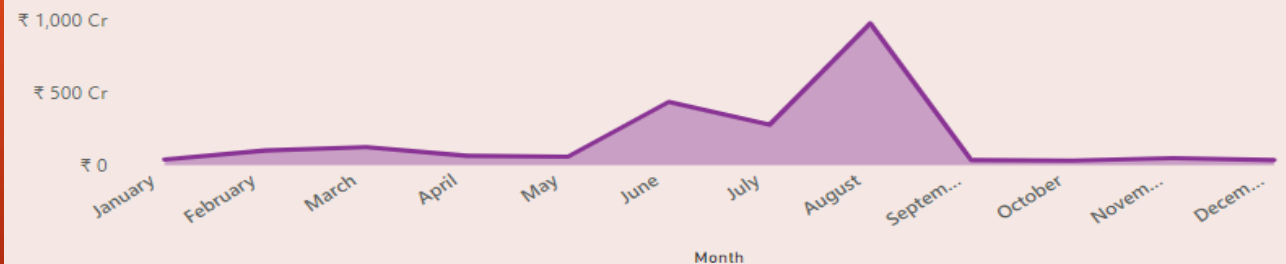
Investment in Texttile



Investment in Research & development



Investment in Cement & concrete Production





# Insights

- ▶ Since the introduction of the e-stamp challan system, the government has not only streamlined revenue collection but has also witnessed a significant boost in revenue generation. This not only showcases the efficiency of the system but also highlights its potential for further financial growth.
- ▶ The analysis underscores a remarkable surge in demand for electric vehicles (EVs) and alternative fuels such as CNG and ethanol. This surge underscores the substantial investment and growth potential in the sustainable transportation sector, signifying a strong shift towards environmentally friendly mobility solutions.
- ▶ Sectors like Electrical and Electronic Products, Food Processing, Plastic and Rubber, and Research and Development have consistently demonstrated steady growth in investment. These sectors, marked by their sustained upward trajectory, offer promising opportunities for ongoing expansion and economic development.
- ▶ The top six sectors, including Real Estate, Industrial Parks and IT Buildings, Pharmaceuticals and Chemicals, Engineering, Food Processing, Plastic and Rubber, and R&D, have not only experienced remarkable growth but also present abundant job prospects. Their expansion not only drives economic development but also fosters extensive employment opportunities, highlighting their pivotal role in shaping a prosperous future.
- ▶ Among the total vehicle sales, an impressive 93% consist of brand new vehicles, indicating a strong preference for newly manufactured automobiles in the market.

# Recommendations

- ▶ To maximize the e stamp challan system's growth potential, recommend offering incentives, extensive awareness campaigns, and step by step guides. Implement a robust tracking application and introduce a chatbot for FAQs to provide quick and user friendly assistance, fostering wider adoption.
- ▶ In response to the surging electric vehicle (EV) sales, it is imperative to proactively implement a robust network of charging stations and develop the necessary infrastructure to meet the escalating demand for electric vehicles. This strategic infrastructure investment is essential to ensure the seamless integration and widespread adoption of EVs, fostering a sustainable and eco friendly transportation ecosystem.
- ▶ Create a business friendly regulatory environment with streamlined processes for permits, licenses, and approvals.
- ▶ Prioritize STEM education to meet the demands of evolving industries, and promote digital literacy to bridge the digital skills gap.

# THANK YOU

Special Thanks to :

