

# Instructions: Using Industry Analysis AI Colab Templates

## Objective

These templates are provided to help you practice AI-driven industry analysis easily using Google Colab. No installation is required. Simply open, run, and modify.

## How to Use the Templates

Step 1: Download all .ipynb templates from the provided ZIP file.

Step 2: Go to Google Colab (<https://colab.research.google.com/>).

Step 3: Click on 'File' -> 'Upload Notebook' -> Select your desired .ipynb file.

Step 4: Click 'Runtime' -> 'Run All' to execute all steps.

Step 5: Modify keywords (like EV, Pharma, FMCG) wherever applicable to research your desired industry.

Step 6: Export your results (Excel/CSV) if needed.

## Templates Overview

1. Industry\_Analysis\_Introduction.ipynb: Understand importance of sector analysis.
2. Google\_Trends\_Industry\_Demand.ipynb: Track sector demand using Google Trends API.
3. Web\_Scraping\_Sector\_News.ipynb: Automate fetching latest sector news headlines.
4. Sentiment\_Analysis\_News.ipynb: Analyze mood (positive/negative) in sector news.
5. Mini\_Project\_Industry\_Research.ipynb: Perform complete industry research combining trends, news and sentiment.

## Tips for Better Practice

## **Instructions: Using Industry Analysis AI Colab Templates**

- Always explore different industries like Electric Vehicles, Pharma, Renewable Energy, FMCG, etc.
- Experiment by changing keywords in Google Trends and News Scraping.
- Try visualizing your results using graphs (matplotlib).
- Submit the mini-project with a short analysis report and graphs.

### **Need Help?**

If you encounter any issues, please revisit the respective video module or contact your instructor.