Sustainability Report Generation

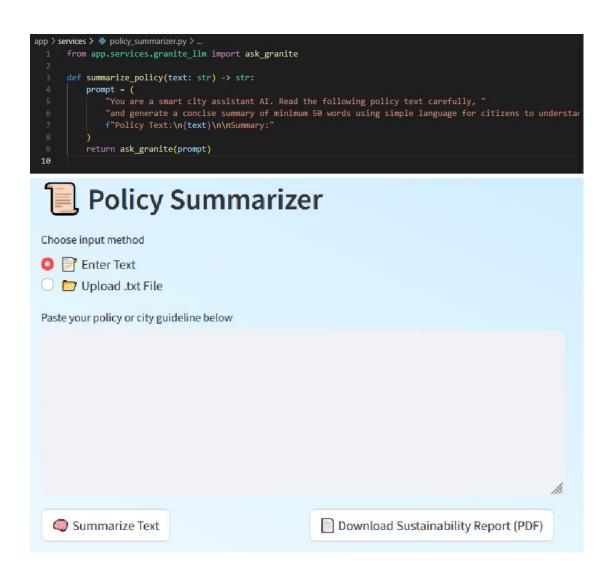
Objective: Generate a city-wise Al-powered sustainability summary.

Prompt Engineering:

Report_generator.py uses a custom prompt to generate an Al-written report from KPI inputs

Display/Download:

- 1.Render AI report on frontend
- 2. Optionally provide markdown/PDF output



```
app > services > 🐡 report_generator.py > ...
 from app.services.granite_llm import ask_granite
 from datetime import datetime
 from pathlib import Path
from fpdf import FPDF
 def generate_sustainability_report(content: str) -> str:
         "You are a sustainability analyst. Based on the following document or metrics, "
         "generate a concise sustainability report suitable for city planners:\n\n"
         f"{content}\n\n"
         "Structure the report with clear headings like Summary, Challenges, Recommendations."
     return ask_granite(prompt)
 def generate_markdown_report(summary: str) -> str:
     timestamp = datetime.now().strftime("%Y%m%d_%H%M%S")
     filename = f"sustainability_report_{timestamp}.md"
     path = Path("app/data") / filename
     with open(path, "w", encoding="utf-8") as f:
         f.write("# Sustainability Report\n\n")
         f.write(summary)
```

