

# Assignment: Text Generation & PDF Processing

## 1. Text Generation – Leave Plan Generator

Your batch runs on weekends. Create a leave plan for the next three months by identifying Indian festivals that fall on Saturdays or Sundays. Instead of manually collecting this data, use an LLM (e.g., Gemini, OpenAI, etc.) to:

1. Fetch the list of Indian festivals for the next three months.
2. Filter only those festivals that fall on weekends.
3. Format the output into a well-structured schedule (e.g., table, JSON, or calendar view).
4. **Bonus:** Ask the LLM to draft a short email/notice announcing the planned leaves to students.

## 2. PDF Processing – Invoice Data Extractor

Take one or more sample invoice PDFs and use an LLM to extract the key details, such as:

- Name
- Amount
- Date
- GST Number

Then, organize the extracted data into a structured format.

- **Output options:** JSON, table, or dictionary.
- **Bonus:** Convert the results into CSV/Excel for easy reporting.