# **Analyzing GPT Responses in Multilingual Contexts: A Study in Roman Urdu and English**

**Objective**

Students will analyze GPT's performance in **summarization** and **coding tasks** by comparing responses in **Roman Urdu** and **English**. The assignment is designed to evaluate the alignment of GPT's mental model across languages for various NLP-related tasks while integrating theoretical and practical concepts of NLP.

**Task**

Engage with GPT in both **Roman Urdu/Urdu** and **English** for the following tasks. Each conversation should have **multiple turns** (minimum of 5 exchanges per task). All tasks should be performed in both languages.

1. **Summarization**:
   * Provide GPT with a paragraph and ask in Roman Urdu and English to summarize key concepts.
2. **Coding**:
   * Ask GPT to write a code snippet in Roman Urdu and English and Request explanations and modifications.
3. **Email Writing**:
   * Ask GPT to draft a formal email in Roman Urdu and English based on a given situation (e.g., requesting leave, thanking a professor).
4. **Expanding a Sentence**:
   * Provide GPT with a short sentence (e.g., "I love programming") and ask it to expand it into a paragraph in Roman Urdu and English. Provide your points and feedback to improve the material
5. **Searching**:
   * Ask GPT to provide information about a specific topic (e.g., "What is B-Tree") in Roman Urdu and English.

### **Steps for Exporting and Saving Conversations**

1. **Right-Click and Share the Conversation**
   * After completing your conversation with GPT, **right-click** on the conversation in the sidebar.
   * Click on the **"Share" option** from the menu.
2. **Create a Link for the Conversation**
   * Click on the **"Create Link" option**.
   * A pop-up box will appear.
3. **Export Data from Settings**
   * On this pop-up, click on **"Settings"** to access your account settings.
   * Locate the **"Export" button**.
4. **Confirm the Export**
   * In the settings screen, click on the **"Export Data"** option next to the export button.
   * A confirmation prompt will appear. Click on **"Confirm Export"**.
   * Your exported data will be sent to your registered email address in a downloadable file format.
5. **Download the Exported File**
   * Check your mailbox for an email with the subject line: "Your Data Export is Ready".
   * Open the email and click on the **"Download Data Export"** button.
   * Save the file to your computer.
6. **Organize Files in a Zip Folder**
   * Place all conversation files into a single folder.
   * Compress the folder into a **ZIP file**.
   * Name the ZIP file using the format:
     + StudentName\_RollNumber\_Conversations.zip
7. **Submit the ZIP Folder**
   * Upload the ZIP folder as your final submission on the course portal or email it as per the instructor’s instructions.

# **Example Scenario**

**Task**: Summarization of “Transformers”

* Roman Urdu Prompt: Roman Urdu: "Mujhe transformer architecture ki ek summary do."
* Follow-up Question in Roman Urdu: "Transformer layers ka function aur explain karo."

After completing these conversations:

* Export the files for both Roman Urdu and English prompts using the steps above.
* Save the files as:
  + Summarization\_transfomer\_RomanUrdu