# MENTOR SYNC-UP SHEET: SESSION 02

**Date:** 28/12/2025

**Time:** 08:30 AM – 09:30 AM

**Meeting Mode:** Online (Google Meet / Zoom)

**Student Name:** Vrushabh Jain

**Group ID:** 01

**Project Title:** Cognitive Graph Portfolio Optimizer (CGPO)

### 1. AGENDA OF THE SESSION

* **Phase Focus:** Data Gathering Strategies.
* Review of the "Field Validation Tool" (Survey App).
* Verification of Cloud Backend (Google Sheets API) integration.
* Discussion on Security/Secrets Management for public repositories.

### 2. WORK LOG (SINCE LAST SYNC: 20/12/25)

**A. Development & Deployment**

* **Tool Created:** Developed survey\_app.py using Streamlit to validate research hypotheses.
* **Cloud Integration:** Enabled Google Drive & Sheets API on GCP; generated Service Account credentials.
* **Deployment:** App is live at https://cgpo-survey.streamlit.app/.

**B. Security Implementation**

* Implemented .gitignore to exclude sensitive files (service\_account.json, \*.csv).
* Configured **Streamlit Cloud Secrets** to inject API credentials securely at runtime, preventing private key exposure on GitHub.

**C. Testing**

* Conducted End-to-End testing; verified real-time data push to the master Google Sheet.
* Resolved deployment crash (ModuleNotFoundError) by standardizing requirements.txt.
* Fixed TOML formatting errors for private keys in Streamlit Secrets.

### 3. ITEMS FOR REVIEW & APPROVAL

#### A. Technical Deliverables

* [ ] **Live App Demo:** Verify the UI and data submission flow on the live link.
* [ ] **Data Pipeline:** Confirm that submitted data appears correctly in the backend Google Sheet (formatted with frozen headers).

#### B. Process Check

* [ ] **Data Gathering Strategy:** Approval to proceed with distributing the QR Code/Link for actual data collection.

### 4. UPDATED SCHEDULE STATUS

| **Date** | **Event** | **Status** |
| --- | --- | --- |
| **20/12/25** | Kick-off & Topic Approval | ✅ Completed |
| **28/12/25** | **Data Gathering & Tool Review** | **📍 Current** |
| **30/12/25** | Data Gathering Finalization (Online) | ⏳ Next |
| **03/01/26** | UI Design Submission (Offline) | ⏳ Pending |

### 5. PLAN FOR NEXT SYNC-UP (30/12/25 - Online)

* **Objective:** Review collected survey data and finalize the dataset structure for the AI model.
* **Deliverable:** Initial dataset CSV export and preliminary analysis of user risk profiles.

### 6. MENTOR REMARKS

*(Mentor to note any feedback on the survey questions or app performance)*

**Signature:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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