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 for CSV export and preliminary analysis of user risk profiles.

6. MENTOR REMARKS

Signature: _____

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