Research Sprint at South Asian University

Post Baseline Paper Reading Activities

Following the completion of the baseline reading phase, the focus will now shift toward developing core research ideas and executing the planned work. As each research problem and paper is distinct, teams will proceed independently based on their assigned topics. To ensure smooth coordination and effective progress, please carefully review and adhere to the instructions below:

1. **Google Meet Arrangements:** Topic-specific meetings will now commence to facilitate focused discussions and advance the respective research efforts. Each team must join the scheduled meetings using the Google Meet link shared via their respective Google Groups email ID at the specified date and time, without exception.

2. **Communication Protocol:** All primary communication within each research team must take place through the designated Google Group. The corresponding group email ID for each team is available on the Sprint website. Alternatively, students may access their SAU student email account and navigate to the Google Groups page, where their assigned group will already be visible. All research-related discussions and updates must be conducted exclusively through the respective team's Google Group.

3. **Version Control and Documentation:** As experimental work is about to begin, and in light of the baseline readings completed, you are required to adhere to the following version maintenance and documentation guidelines:

   a. **GitHub Setup:** All members of each research team are required to have an active GitHub account. Those who do not already have one must create an account at the earliest. The B.Tech. first-year member assigned to each research group shall be responsible for creating the team's GitHub repository and inviting all senior student co-authors, along with the faculty mentor (https://github.com/CodTan), as collaborators. Please follow the steps outlined below to complete this process.

1. Name of GitHub repository: [WCCI Research Topic Code] Research Topic
2. Choose visibility: Public
3. Add README: Toggle for "On"
4. Add .gitignore: Choose "Python" from dropdown
5. Choose License: MIT License
6. Click create repository
7. After repository is created, click the ".gitignore"
   a. Scroll down to the last line (207)
   b. In a new line (209), paste the contents of **this** .txt file as it is. Do not remove anything from the already existing contents of .gitignore
8. Create a folder structure in your repository as follows:

```
your-repo-name/
│
├── LICENSE
├── README.md
│
├── code/
│   ├── notebooks/
│   │   ├── baseline_replication.ipynb
│   │   ├── experiment_v1.ipynb
│   │   └── experiment_v2.ipynb
│   ├── src/
│   └── requirements.txt
│
├── docs/
│   ├── Baseline_Paper.pdf
│   ├── Baseline_Paper_Study_Notes.docx
│   ├── Sprint_Progress_Log.docx
│   ├── Daily_Progress_Report.md
│
├── paper/
│   ├── Conference_Template.docx
│   └── Draft_Paper.docx
│
├── data/
│   ├── raw/
│   └── processed/
│
├── results/
│   ├── figures/
│   └── tables/
│
└── admin/
    ├── contributors.md
    └── roles.md
```

9. Jot down all notes from the Baseline Paper that you have studied, or any other concepts that you are going to study. This shall come in handy later while the paper writing phase. Must include: Section-wise summary, Key equations / algorithms, Assumptions, Questions / confusions, Reproducibility gaps.

10. The sprint_progress_log should contain minute-by-minute technical progress. Must include: Date, Who did what, Exact parameter changes, Failed experiments, Observations.

11. Update daily progress through the "Daily_Progress_Report.md" file. Create this file by clicking on "Add file" and naming the file as above ending with the ".md" type.

12. Finally, after creating the repository, upload the baseline paper pdf as denoted in the repository structure above

13. In the paper folder, upload this doc file. **This** is the paper writing template to be followed by everyone. Do not touch this once uploaded.

14. In admin/roles.md, write the following with appropriate names:

Second Year Students
- Run experiments
- Modify code
- Analyze results

First Year Students
- Maintain documentation
- Update daily reports
- Track parameters & failures

    b. **Information Completion:** In **this** Google Sheet, fill and complete all the relevant details as asked for.

    c. **The deadline to complete the above is <mark>12:00 p.m., January 08, 2026</mark>. This is a strict deadline and meeting the same shall result in discontinued participation from the Research Sprint.**

4. Within your respective Google Groups, one message should be dropped when the above steps are completed.

5. In case you cannot locate your Google Group, fill the designated form for issues supplied on the Sprint website.

6. In case of any queries, post them on the corresponding research Google Group within the conversations.