

# ***Weekly Meeting with Dr. Hannah***



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# Meeting Note

## Necessity is the Mother of Invention

"Over the last 6 years, QIRAIL has executed 10–15+ technical projects, but much of the source code, datasets, and documentation are scattered or lost."

### Problem:

- Hard to locate past project files.
- No central archive for reusable code or documentation tends to – "Every time we start a new project, we re-invent the wheel"
- New members feel overwhelmed due to lack of structure.

### Why this matters:

- Showcasing lab achievements becomes tedious.
- Lost data/code equals lost time and effort.

**Core Idea:**

**Build a centralized, long-term  
knowledge base for QIRAIL!!!**

# Meeting Note

## Why This Week's GitHub Work Matters

**Core Idea:** Build a centralized, long-term knowledge base for QIRAIL

### Goals:

- Organize past and current work into meaningful repositories.
- Support reproducibility, collaboration, and onboarding.
- Avoid data/code loss due to device failure or disorganization.

## Repositories Created This Week

1. **QIRAIL-Knowledge-Transfer**

*Purpose: Document key tools, techniques, tutorials.*

2. **QIRAIL-Orthanc\_Data\_Backup**

*Purpose: Backup and structure scripts related to Orthanc & metadata extraction.*

3. **CHAVI**

*Purpose: Backup any scripts and procedures related to CHAVI project.*

4. **Head\_and\_Neck\_Prospective\_Study**

*Purpose: All model-building work on prospective study is logged here.*

5. **NVIDIA-Academic-Grant-Proposal**

*Purpose: Proposal writing progress and related documentation.*

6. **HNC**

**Risk**

**Prediction**

**Dashboard**

*Purpose: Source code for dashboard, both frontend (React) and backend (FastAPI).*

# Meeting Note


## Long-Term Vision

### Helps With:

- Faster onboarding of new members
- Easier internal collaboration
- Rapid demonstration for presentations or grant submissions
- Protection from local hardware failures

### Next Steps:

- Continue uploading validated code from old projects
- Link project README files with diagrams for better understanding
- Encourage team members to contribute and standardize formats



**"This is not just archiving code – it's building the research memory  
of our lab."**

- Total of 6 GitHub repositories created and organized
- Lays foundation for reproducibility, scaling, and continuity
- Happy to maintain and keep refining this system as we grow