

Foundations and Hardware Bring Up

AUG 6 - AUG 15

- Review μ T-Kernel 3.0 Essentials
- RA8D1 Board Familiarization

SHRAVYA

Companion App & Gamification Layer

SEPT 6 - SEPT 7

- Companion App & Gamification Layer

Real-Time EEG Signal Pipeline

AUG 16 - AUG 25

- A deterministic EEG feature pipeline on μ T-Kernel
- On-device inference achieving a sub-500 ms response

Adaptive Intervention Engine & Security

AUG 26 - SEPT 3

- An adaptive intervention task running on μ T-Kernel.
- Security & Power Management

n8n Workflows & AI Assistant Backend

AUG 26 - SEPT 5 (Parallel)

- Hosted n8n flows with an AI query demo
- BLE sync and roundtrip latency of 1 second or less