

## Physical Workshop Schedule: EEG, QEEG & Neuro Data Analytics

Phase 1: 21–23 October 2025

Phase 2: 27–29 October 2025

Location: To Be Confirmed (USM, Penang)

**Note: Björn Cruts will join the physical session as an expert mentor and live demonstrator.**

### Day 1 – Hands-On EEG & Brain Mapping

Time	Session
9:00 AM – 9:15 AM	Registration & Welcome Briefing
9:15 AM – 10:30 AM	EEG Device Setup & Live Demo (Dr. Zaliza & Björn Cruts)
10:30 AM – 10:45 AM	Break
10:45 AM – 12:30 PM	Brain Mapping with QEEG (Prof Sheikh Hussain)
12:30 PM – 2:00 PM	Lunch Break
2:00 PM – 5:00 PM	EEG Signal Filtering & Artefact Removal (Dr. Zaliza & Dr. Syazwan)
5:00 PM – 6:00 PM	Day 1 Debrief & Q&A

### Day 2 – Applications & Neuro-data Analytics


Time	Session
9:00 AM – 10:30 AM	Intro to neuro-data analytics (Dr. Syazwan)
10:30 AM – 10:45 AM	Break
10:45 AM – 12:30 PM	Case-Based neuro-data analytics (Luana & Dr. Syazwan)
12:30 PM – 2:00 PM	Lunch Break
2:00 PM – 5:00 PM	Live Expert Feedback & Demonstration (Björn Cruts)
5:00 PM – 6:00 PM	Collaborative Data Discussion

### Day 3 – Interpretation & Project Presentation


Time	Session
9:00 AM – 10:30 AM	Group Analysis: QEEG Interpretation (Björn Cruts with Local Facilitators)
10:30 AM – 10:45 AM	Break
10:45 AM – 12:30 PM	Participant Project Presentations
12:30 PM – 2:00 PM	Lunch Break
2:00 PM – 5:00 PM	Review of Key Learnings & Reflection
5:00 PM – 6:00 PM	Closing Ceremony & Certificate Presentation

## Industrial Session: EEG Screening & Neuro Data System (NDS)

 **25–26 October 2025**

 *Location: USM, Penang*

 *For Industry Stakeholders, Therapy Providers & Special Education Services*

 **Trainers:** Björn Cruts, Luana Gamerschlag, Dr. Syazwan Aizat Ismail, Dr. Norzaliza Md Nor

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### Day 1 – Saturday, 25 October 2025 (9:00 AM – 5:00 PM)

#### Foundational Training & Live Demonstration

Time	Session
8:45 AM – 9:00 AM	Registration & Welcome Briefing
9:00 AM – 10:30 AM	Introduction to EEG, QEEG & Neuro Data System Integration ( <i>Bjorn &amp; Dr. Syazwan</i> )
10:00 AM – 10:45 AM	Break
10:45 AM – 12:30 PM	Hands-On EEG Setup & Brain Mapping ( <i>Björn &amp; Dr. Syazwan</i> )
12:30 PM – 2:30 PM	Break
2:30 PM – 4:00 PM	Screening Demonstration with Learning Disability Clients ( <i>Björn-led</i> )
4:00 PM – 5:00 PM	Introduction to Neurofeedback & Early Intervention Strategies ( <i>Luana &amp; Bjorn</i> )

### Day 2 – Sunday, 26 October 2025 (9:00 AM – 1:00 PM)

#### Industry Solutions & Strategic Collaboration

Time	Session
9:00 AM – 10:30 AM	Industry Needs & Application Mapping ( <i>Dr. Norzaliza</i> )
10:00 AM – 10:45 AM	Break
10:45 AM – 12:00 PM	Customizing EEG + Neuro Data Systems for Industry Use ( <i>Björn &amp; Dr. Syazwan</i> )
12:00 PM – 1:00 PM	Offerings & Partnership Planning
1:00 PM – 2:00 PM	Lunch & Disperse