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DigiHealth-Asia

# “Capacity Building for Digital Health Monitoring and Care Systems in Asia”

## Newsletter 8

July 2024

Vol. 8 (Biannual edition)

The aim of the newsletter is to disseminate the project information and developments based on the communications and networking of partner universities of Europe and Asia.



University of  
**Huddersfield**  
Inspiring global professionals



**MNUMS**  
Mongolian National University of Medical Sciences  
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# Dissemination Meeting-1

**Date:** 1 to 5 July 2024

**Location:** Huddersfield, UK

**Participants:**

- University of Ghent (UGent), Belgium (coordinator),
- University of Northumbria at Newcastle (UNN), United Kingdom
- University of Huddersfield (UoH), United Kingdom
- Capital University of Science and Technology (CUST), Pakistan
- National University of Sciences and Technology (NUST), Pakistan
- Chiang Mai University (CMU), Thailand
- Mae Fah Luang University (MFU), Thailand
- Mongolian National University of Medical Sciences (MNUMS), Mongolia (online)
- National University of Mongolia, Mongolia

Greetings from the beautiful town of Huddersfield, UK! We are excited to share the highlights and key takeaways from our recent Quality Assurance Team (QAT) meeting held from July 1st to July 5th. The Meeting aims to bring together experts from across UK to discuss and share innovations and best practices in the field of digital health. This gathering brought together participants from various universities and institutions across Asia, both in-person and virtually. We discussed project updates, conducted pilot case dry runs, shared research findings, and outlined future plans for quality assurance in our projects.



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## Day 1 – 1<sup>st</sup> July

Morning Session:

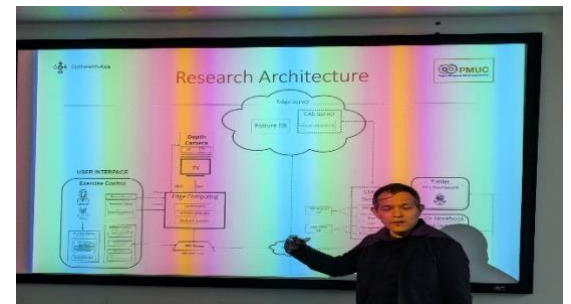
### Project Update by UoH:

The meeting kicked off with an update on submitted deliverables, planning for upcoming tasks, and scheduling future meetings.



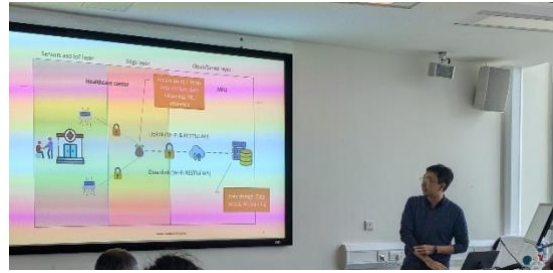
### Update on Pilot Case 2:

CMU and MFU led the first session with an update of their pilot cases, focusing on developed architecture, device selection, data capture, and model generalization. The discussions covered topics such as selection of sensors, connections, noise removal, and potential publications.



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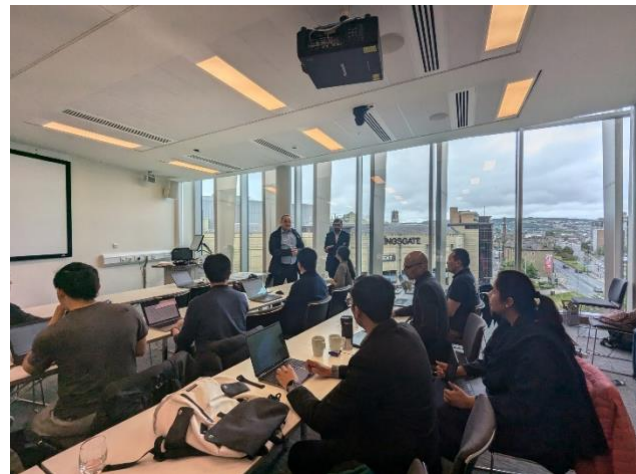
## Day 1 – 1<sup>st</sup> July



Afternoon Session:

### Huddersfield Electric Lab Visit

Presentation by Prof. Nigel Schofield and then visit to the Electric Lab facility at Huddersfield.



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During the meeting, participants were not only engaging in insightful presentations and discussions but also share their ideas both onsite and online, fostering a collaborative and inclusive environment.

### **Day 2 – 2<sup>nd</sup> July**

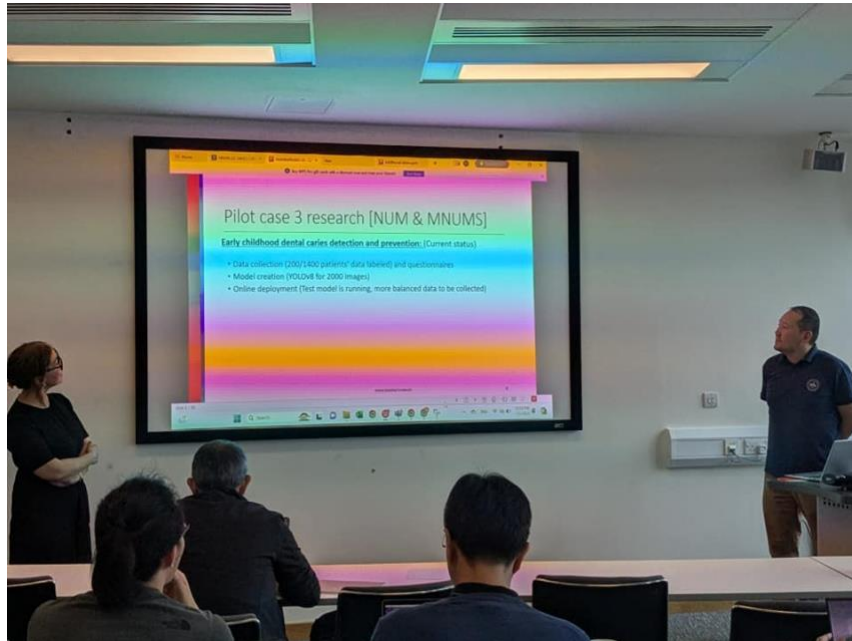
Morning Session:

#### **Pilot Case 3 Research**

NUM and MNUMS discussed their research on child dental caries detection and prevention. There was an update of their pilot cases, focusing on developed architecture, device selection, data capture, and model generalization. The discussions covered topics such as selection of sensors, connections, noise removal, and potential publications.



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## Day 2 – 2<sup>nd</sup> July

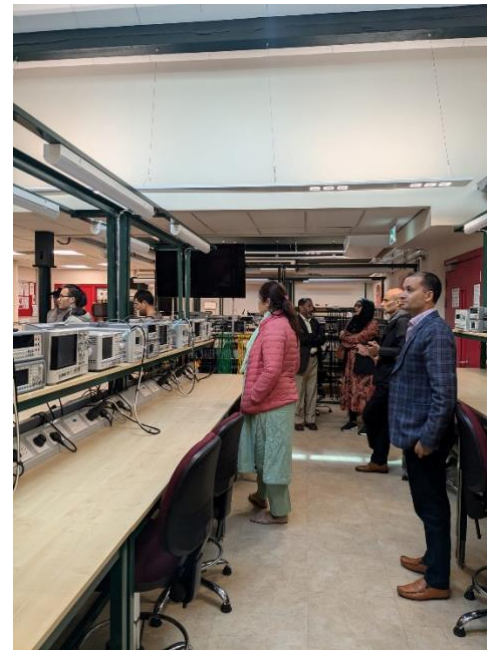
Afternoon Session:

### Campus Visit and Discussions

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All partners were taken out for the campus tour with visits to different facilities.



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## Day 3 – 3<sup>rd</sup> July

Morning Event:

### Pilot Case 1 Research

NUST and CUST discussed their research on ECG monitoring, its detection and prevention. There was an update of their pilot cases, focusing on developed architecture, device selection, data capture, and model generalization. The discussions covered topics such as selection of sensors, connections, noise removal, and potential publications.



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## Day 3 – 3<sup>rd</sup> July

Afternoon Session:

**Quality Assurance and Kirkpatrick Model:** CMU led a discussion on the Kirkpatrick model and updates on statistics. All Asian partners introduced their planning on the organization of vocational training.



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## Day 4 – 4<sup>th</sup> July

Technical Field Trip:

**Visiting Institute of Railway Research (IRR)**, our participants visited IRR, to explore future challenges and collaboration in this region.



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## In conclusion:

All participants have their valuable contributions and collaborative spirit. And we are looking forward to our continued work together and the successful realization of our project goals.

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## DigiHealth – Asia Member List

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Adnan Shahid  
Timo De Waele

### **2. University of Northumbria at Newcastle, UK**

Nauman Aslam

### **3. University of Huddersfield, UK**

Qasim Zeeshan Ahmed

### **4. Lumière University Lyon 2, France**

Aicha Sekhari  
Giacomo Kahn

### **5. Capital University of Science and Technology, Pakistan**

Amir Qayyum  
Marriam Bakhtiar  
Fahim Shahzad

### **6. National University of Science and Technology, Pakistan**

Rafia Mumtaz  
Syed Ali Hassan

### **7. Chiang Mai University, Thailand**

Pradorn Sureephong  
Suepphong Chernbumroong  
Wachiranun Sirikul  
Suwit Wongsila  
Liu Xin

### **8. Mae Fah Luang University, Thailand**

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Punnarumol Temdee  
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Sujitra Arwatchananukul

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Tselmuun Chinzorig  
Khongorzul Samdankhuu  
Bat-Erdene Myagmar

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Battur Gompil  
Purevtsogt Nugjgar  
Batdelger Byambaa  
Soninbayar Jambaa

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