



## D5.1 – Annual Progress Report

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## Table of Contents

Executive Summary .....	3
1. Introduction .....	4
1.1. Project kick-off meeting .....	4
1.2. Project website.....	4
1.3. Mailing list and SharePoint .....	4
1.4. Social accounts setup .....	4
1.5. Workshops.....	4
1.6. Bi-weekly meetings .....	4
1.7. Submitted deliverables .....	4
1.8. Course accreditation plan .....	5



## Executive Summary

This annual progress report reports the progress that has been made by DigiHealth-Asia in terms of a) submission of deliverables, b) setting up of the pilot cases, c) commencement of specialization courses and specialization stream. In addition, the report also describes the procedures that have been adopted for better management and visibility of the project.



## 1. Introduction

This annual progress reports what DigiHealth-Asia has achieved so far in terms of a) submission of deliverables, b) setting up the pilot cases, and c) course accreditation.

### 1.1. Project kick-off meeting

Due to COVID-19, we could plan a physical kick-off meeting as planned in the proposal. We had the kick-off meeting online for three days (8<sup>th</sup> – 10<sup>th</sup> Feb 2021) and there we thoroughly discussed the milestones in terms of a) submission of deliverables, b) setting up the pilot cases, and c) course accreditation that we had to achieve in year 1 (M1 – M12).

### 1.2. Project website

The coordinator set up a project website (<https://digihealth-asia.eu/>) in M1 and submitted “Deliverable 4.2 Project website with the project logo” in M2 as planned in the proposal.

### 1.3. Mailing list and SharePoint

The coordinator set up a mailing list ([digihealth\\_asia@lists.intec.ugent.be](mailto:digihealth_asia@lists.intec.ugent.be)) and all partners are part of this mailing list. The coordinator maintains the mailing list and updates it frequently by adding or removing partners from the list. The coordinator also set up a SharePoint space ([https://ugentbe.sharepoint.com/teams/TW05\\_TMP00962](https://ugentbe.sharepoint.com/teams/TW05_TMP00962)) and use it for working on deliverables in a collaborative way. All information related to the project is available on the SharePoint including a) reporting, b) meeting minutes, c) proposal, d) submitted deliverables, e) project members, etc.

### 1.4. Social accounts setup

The coordinator set up social accounts on LinkedIn, YouTube, Facebook, etc., and is responsible for announcing project results on the social media platforms. The coordinator set up the accounts in M2 and submitted “Deliverable 4.3 Social Media account set up and maintenance” in M2.

### 1.5. Workshops

Each partner country organized a workshop in M2. The goal of the workshop was to mainly discuss two things a) pilot cases and c) specialized courses with doctors, nurses, ICT professionals, ministry representatives, etc., and to pinpoint the needs of such advanced pilot cases in their countries. The consortium submitted a very thorough deliverable “Deliverable 1.2 Analysis of the skills requirements and priorities in Asian partners for the implementation of digital health care and monitoring system” in M6.

### 1.6. Bi-weekly meetings

Since the start of the project, we are having biweekly meetings with the whole consortium. The biweekly meetings are mainly used to discuss a) any issues related to the project execution, b) financial matters, c) progress on deliverables, d) progress of pilot cases, e) progress on course accreditation, etc. After each meeting, the coordinator sends the meeting minutes to the consortium with action points. The record of all meetings is available on SharePoint.

### 1.7. Submitted deliverables

The coordinator submitted all deliverables on time and the list of planned and submitted deliverables is shown in Figure 1. The green cells in the figure show the deliverables that have been submitted and the grey ones show the planned deliverables.





- b) New specialization stream in the already accreditation degree programs (e.g., Master of Science in Electrical Engineering with specialization in health care).
- c) Commencement of vocational courses for a few weeks and the goal is to train medical doctors, medical students, ICT professionals, paramedical staff, etc. with the latest trends in digital health monitoring and care systems.

The specialization courses will initially be commenced optional and once the specialization stream is accredited, then courses will be made compulsory for the specialization stream.



Table 1: Course accreditation planning for DigiHealth-Asia

Country	Partner	Specialization Stream (e.g., MS in Computer Science with specialization in healthcare)	If specialization is not possible by Jun 2022, then give reasons	New courses	Compulsory courses (6 ECTS) and thesis (12 ECTS). They will be commenced at the same time as the specialization stream.	Initially, the courses will be commenced as optional.	Timeline of courses + thesis commencement	Vocational training course after M18 (June 2022)
Pakistan	CUST	Possible in 2024 (Q1)	The department has already planned for two new streams: a) Data science in 2022 and b) Artificial Intelligence in 2023.	None	1.IoT for healthcare 2.AI/ML for healthcare 3.Embedded Systems for healthcare 4.MS Thesis	1.IoT for healthcare 2.AI/ML for healthcare 3.Embedded Systems for healthcare 4.MS Thesis	Sep 2022	Yes
	NUST	Possible in 2024 (Q1)	We have discussed the matter with university authorities. They are of the opinion that the current market situation does not justify offering a dedicated specialization, however, the matter may be reviewed for the next academic year after considering the new developments at that point of time	None	1.IoT 2.AI/ML for healthcare 3.MS Thesis	1.IoT 2.AI/ML for healthcare 3.MS Thesis (C – 6 US credits)	Sep 2023	Yes
Thailand	CMU	Possible in 2022 (Q3)	Curriculum's major revision required – need at least 12 months to be done	None	1.IoT for healthcare 2.AI/ML for healthcare 3.Digital Transformation for healthcare 4.MS Thesis (12 US credits)	1.IoT for healthcare 2.AI/ML for healthcare 3.Digital Transformation for healthcare 4.MS Thesis (12 US credits)	Nov 2022 (2 <sup>nd</sup> Semester of Thailand's Education System)	Yes
	MFU	Possible in 2022 (Q3)	MFU is working on the curriculum revision. If the university council approves the new curriculum, we can promote it on the faculty's website in September 2022.	None	1.IoT for healthcare 2.AI/ML for healthcare 3.Embedded Systems for healthcare 4.MS Independent Study for plan B (C – 6 US credits)	1.IoT for healthcare 2.AI/ML for healthcare 3.Embedded Systems for healthcare 4.MS Independent Study for plan B (C – 6 US credits)	Sep 2022	Yes
Mongolia	NUM	Possible in 2023 (Q2) – Joint course	It will be done in 2023 (Q2)	None	1.IoT for healthcare 2.AI/ML for healthcare	1.IoT for healthcare 2.AI/ML for healthcare	Sep 2022	Yes



		development with MNUMS			3.Embedded Systems for healthcare 4.MS Thesis (C)	3.Embedded Systems for healthcare 4.MS Thesis		
	MNUMS	Possible in 2023 (Q2) jointly with NUM	It will be done in 2023 (Q2)	None	1.MS in ( Thesis MNUMS will take courses from NUM (ML (2 cr.) and Embedded Systems (2 cr.) and MNUMS will cover AI (2 cr.)	4.MS Thesis MNUMS will take in total 4 credits courses ( ML. and Embedded Systems) from NUM.	Jan 2022	Yes