

Emergency Room Waiting List

... a case study

Akutmodtagelsen, Hvidovre Hospital
DTU Compute

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why

students **solve** real problems

real problems **motivate** students
and help them to navigate in healthcare

what

12:35

Skadestue

Under 15 min	
Jens Hansen	▶▶ ●
Hans Jensen	●
Dennis Knudsen	●

Mellem 15 og 30 min	
Hans Hansen	▶▶ ●
Birthe Kjær	▶▶ ●
Berit Knudsen	●
Dorte Jensen	▶▶ ●

Mellem 30 og 60 min	
Knud Hansen	▶▶ ●
Peter Beck	●
Ole Nygaard	▶▶ ●
Bente Olsen	▶▶ ●
Yvonne Carlsen	●

Over 60 min	
Magrethe Persson	▶▶ ●
Jonas Madsen	▶▶ ●
Martin Dalager	●
Cecilie Søndergaard	▶▶ ●
Andreas Rasmussen	▶▶ ●
Anders Møller	●
Marie Madsen	●

Mindst alvorlig ● ... ● ... ● ... ● ... ● Mest alvorlig ▶▶ Fast track

Voksenvagtlæge

Nuværende nummer

37

Børnevagtlæge

Nuværende nummer

23

Beskeder

Skadestue: Forvent ventetider op til 4 timer i dag

Vagtlæge: Ventetiden er omkring 2 timer

how

Course Assignment

Project Work

BSc/MSc Thesis

Joint Research (PhD/PostDoc)



how

(we did)

initial engagement

course work assignment

deeper analysis and synthesis

master thesis project(s)

course work assignment

why

establish mutual relation

describe/understand domain

provide a basis for further work

course work assignment process

Hvidovre Hospital
Emergency Department

REGION

Can you design a system that:

1. Predict emergency department waiting time for patients.
2. Display the estimated waiting time for the patient in the waiting area.



UX Prototype - Better Waiting

Group 4

Emergency Room Project

02609 - UX Design Prototyping, Emergency Room

Wait-It - Group 8

Target audience [Yoonki]

Solution [Coddi]

Competitive Solution [Yoonki]

Report.pdf

Group08 - Final report - Wait-It.pdf

The collage consists of several overlapping pages from a design process. The top page is a 'UX Prototype - Better Waiting' document for Group 4, listing team members: Juan Manuel Domares, Maria Haggade, and Erik Otholm Nielsen. Below it is a document titled 'Emergency Room Project' for Group 8, with team members: Amir Jalil Thi Trank, Marja T. B. Hansen, and Orkan Kullis. To the right is a document titled '02609 - UX Design Prototyping, Emergency Room' for Group 7, with team members: Erik Otholm Nielsen, Maria Haggade, and Juan Manuel Domares. The bottom right shows a 'Report.pdf' and a 'Group08 - Final report - Wait-It.pdf'. A large blue arrow points from the classroom image towards the design documents.

course work assignment

hvidovre investment

initial project description

presentation to class

show emergency room daily life

listen to presentations

provide feedback to proposals

be available for questions

course work assignment

DTU investment

provide academic background

(re)shaping the assignment

supervise students

coordination

course work assignment

outcome

expect a modest outcome

possibly just some good ideas

and nowhere near a working system

but a wide range of new and different takes

(more positive reception at Hvidovre than by the “grumpy old teacher”)

master thesis project(s)

a much longer investment
but also potentially a real prototype

master thesis project(s)

5 to 6 months of work

need more domain insights

need to experiment and access real users

outcome will vary with individuals' investment

potential challenges

language

patient contact/data

strict academic schedule

expectations towards final outcome

academic learning vs concrete solution