



Programme	Master of Science in Embedded Systems
Subject	Advanced Course on Topics in Embedded Systems
Students	Elmar van Rijnsouw (elmar.vanrijnsouw.9818@student.uu.se) Maximilian Stiefel (maximilian.stiefel.8233@student.uu.se)
Credit Points	10 ECTS
Course Code	1DT101
Title	SensUs
Description	SensUs is the first international student competition on molecular biosensors for healthcare applications. SensUs 2017 is being organized, by students at Eindhoven University of Technology in collaboration with professors of international universities.
UU Project Responsibles	Masood Kamali-Moghaddam (masood.kamali@igp.uu.se) Gemma Mestres Be (gemma.mestres@angstrom.uu.se)
Goals	Designing a tightly integrated embedded system, which is capable of determining the likelihood of heart failure. This is done by measuring the concentration of NT-proBMP in the users blood. This is done the context of a competition, which rewards points for size, price, ease of use and the presentation of the project at the competition.
Outline	Hardware has to be designed, assembled and tested. Embedded software which tightly integrates all the functionality in the high-sophisticated measurement NT-proBMP has to be developed and verified. The results shall be easily accessable by the user.
SensUs Contact	http://sensus.org/ contact@sensus.org