# Capita Selecta Hours tracking:

Student: Ahmed Al-Ganad – 528820

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| Weeks | About | Hours done |
| Week 1(2 – 8 / sep) | Choosing a project | 18 |
| Week 2(9 - 15 sep) | Choosing and finalizing a project | 20 |
| Week 3(16 - 22 sep) | Studying another courses | 0 |
| Week 4(23 – 29 sep) | Studying another courses | 0 |
| Week 5(30 sep – 6 oct) | Studying another courses | 0 |
| Week 6(7 – 13 oct) | Studying another courses | 0 |
| Week 7(14- 10 oct) | Researching and choosing suitable components | 28 |
| Week 8(21 – 27 oct) | Ordering components and researching about suitable AI platforms and useful libraries | 18 |
| Week 9(4- 10 nov) | Making a small program for microphone | 15 |
| Week 10(11- 17 nov) | * Learn how to connect INMP441 microphone to the correct ESP32-s3 pins. * Installing and setting up platformio. * Simple testing of the microphone | 4 |
| Week 11(18- 24 nov) | * Analyzing sound data saved in an SD card. * Designing a UML diagram for class distribution. * Researching about filters I can use to suppress noise. * Plotting frequency domain spectrum to identify interference frequencies. * Implementing High pass filter and testing the output | 16 |
| Week 12(25 nov – 1 dec) |  |  |