Date	Task Description	hours	total hours	Column1
02.10.2025	Kick-off meeting and introduction to the IP project and water monitoring topic	3.0	86	
09.10.2025	Practical introduction to ESP32/Arduino	3.0		
10.10.2025	Research on existing cleaning and anti-fouling methods for water quality sensors and their operating principles	4.5		
13.10.2025	Literature research on biofouling effects on optical DO sensors	5.0		
16.10.2025	Brainstorming in small groups; discussing cleaning and anti-fouling concepts for sensor protection	3.0		
17.10.2025	Investigation of copper-based anti-fouling methods; reviewed commercial probe screen solutions	3.5		
23.10.2025	Presentation of initial anti-fouling concepts; discussion and selection of feasible approaches	3.0		
30.10.2025	Analysis of passive anti-fouling strategies (copper mesh, sleeves, coatings)	4.5		
06.11.2025	Excursion to LINEG; discussion of real-world sensor deployment and fouling issues	3.0		
13.11.2025	Research on mechanical cleaning methods (wipers and rotating brushes) used in industry	3.0		
20.11.2025	Comparison of blade wipers and brush-based cleaning mechanisms for optical sensors	4.0		
27.11.2025	Research on non-stick and foul-release coatings for optical sensor windows	3.0		
28.11.2025	Analysis of power consumption and timing strategies for active cleaning mechanisms	5.5		
04.12.2025	Discussion and evaluation of cleaning concepts; decision to pursue copper-mesh based solution	3.0		
11.12.2025	Concept development for copper-mesh passive anti-fouling system for optical DO sensor	3.0		
18.12.2025	Creating the base design of the anti-fouling cap	6.5		
19.12.2025	Discussion with team members about the design	2.5		
15.01.2026	Refinement of 3D design and preparation for additive manufacturing	3.5		
22.01.2026	Preparing and presenting the IP Pitch	3.0		
23.01.2026	Writing report sections on sensor cleaning theory, design decisions and evaluation	8.0		
30.01.2026	Testing and evaluation of copper-mesh anti-fouling prototype	2.0		
03.02.2026	Finished report contribution	6.5		