NWU ®

STUDENT	
Surname & Initials:	JH van Dykt
Supervisor:	ASJ Helberg
University number:	30254906
Project Title:	Medical wristband temperature monitor

EXAMINER	
Surname & Initials:	ASJ Helberg
Affiliation:	NWU

	Evaluation criteria	Mark out of 100	Weight	Weighted Mark
A	PROBLEM FORMULATION Background and motivation of topic is relevant and clear Problem Statement is clear and was logically analysed to arrive at issues to be addressed The outcomes of the project are clearly stated *(Contributes towards ECSA GA 1 - solving engineering problems)*	80	0.10	8
B	LITERATURE STUDY An adequate amount of literature studied in a scientific way A good overview on available solutions is given Synthesis of information and conclusions are clearly evident *(Contributes towards ECSA GA 9 - Independent learning ability)*	80	0.10	8
C	DESIGN The engineering methodology was mastered Application of the engineering method in the conceptual and detail design is clear Were rational choices made? Were the current knowledge and techniques applied correctly? Does the design show competence/innovation/originality? *(Contributes towards ECSA GA 3 - Engineering design and synthesis and GA 5 - Engineering methods, skills, tools and information technology)*	80	0.40	32
D	IMPLEMENTATION, EVALUATION AND CONCLUSION Was the detail design implemented and did it work as intended? Was a test- and evaluation strategy used? Were problems pointed out and corrective action recommended? Were adequate conclusions drawn and described? Do the conclusions address the problem and aim of the project? *(Contributes towards ECSA GA 4 - Investigations, experiments and data analysis and GA5 - Engineering methods, skills, tools and information technology)*	70	0.20	14
E	WRITTEN COMMUNICATION Was adequate effort put into the documentation? Is the document without language and spelling mistakes? Is the layout neat and logical? Are figures and tables well integrated into the text? Are literature references done correctly? *(Contributes towards ECSA GA 6 - Professional and technical communication)*	70	0.20	14
TOTAL		380 /500	1,00	76 /100

Category:					

LEGEND:	TOTALLY UNACCEPTABLE	POOR	ACCEPTABLE	GOOD	EXCEPTIONAL
	0% – 30 %	30% – 50%	50% – 65%	65% – 74%	75% +

ASSESSMENT OF GA's		
GA 1 Achieved?	Good	INITIAL
Motivation: Problem formulated correctly, analysis leads to design that addresses problem		
GA 3 Achieved?	Good	INITIAL
Motivation: Comprehensive design with alternatives, detailed solution, hardware and firmware design techniques applied correctly. Implementation clear and functional, performance evaluation presented		
GA 6b Achieved?	Acceptable	INITIAL
Motivation: Clear reporting, some minor grammar mistakes		
GA 9 Achieved?	Good	INITIAL
Motivation: learned temperature measurement models as well as firmware programming		
ELO 8a: INDIVIDUAL, TEAM AND MULTIDISCIPLINARY WORKING		
Demonstrate competence to work effectively as an individual.		
GA 8 Achieved?	Acceptable	INITIAL

Motivation: New work was mastered, and a functional solution developed as an individual

COMMENTS
A functional solution to the problem was presented that performed very closely to specification.

ASSESSMENT DATE:	25/10/2021	SIGNATURE:	