

ENGINEERING TYPE/ COMPUTER SCIENCE PROJECTS

PROJECT ASSESSMENT FORM

Name(s) of learner(s)						Grade	Project number
PROJECT TITLE							
1. Intro	2. Method	3. Results & Discussion	4. Limitations, Further research, Conclusion	5. Originality, Creativity, value	6. Presentation	Initial Score	Final Score after Discussion
(10)	(20)	(20)	(10)	(10)	(30)	(100)	(100)
JUDGE'S NAME: SIGNATURE				CONVENER'S NAME: SIGNATURE			

SCORE: 0 or 1 or 2 for each of the items listed below:

0 = Not done/no evidence/incorrect

1 = Average or 50% correct or partially achieved

2 = Very good or well done

I. INTRODUCTION (10 marks)

1.1	Literature Review/Background research is relevant and from adequate sources	
1.2	Literature Review/Background research is from credible sources	
1.3	Problem/issue/phenomena identified	
1.4	Purpose/Aim of the study is clear	
1.5	Engineering Goals or Design Goals correctly stated	
TOTAL (10)		

2. METHOD (20 marks)

2.1	Engineering Goals are achievable, measurable/understands different coding, interfaces and platforms	
2.2	Design criteria of prototype(s)/processes/program(s) are clear	
2.3	Design criteria aligned to the Engineering Goals or Design Goals	
2.4	All materials/resources written or evident in the method	
2.5	Designs/Procedures illustrated with diagrams, plans, flow charts	
2.6	Evidence of design-test-redesign-retest using different approaches/methods/designs/processes/materials depending on the results obtained	
2.7	Number of prototype(s)/solution(s) adequate (2 or more)	
2.8	Number of trials/testing of prototypes/solutions adequate	
2.9	Trials/testing of prototype(s)/solutions accurate and scientifically sound	
2.10	Procedure of method has sufficient details e.g. types of material, measurements, units so that the prototype(s)/solution(s) can be replicated	
TOTAL (20)		

3. RESULTS & DISCUSSION (20 marks)

3.1	Results of testing recorded accurately and logically	
3.2	Relevant results represented appropriately (e.g. Tables, Diagrams, Graphs)	
3.3	Results of each testing analysed and used to inform further prototype/solutions	
3.4	Prototypes/solutions in line with intended Design criteria	
3.5	Design Criteria are evaluated	
3.6	Final prototype/solution works as intended	
3.7	Improvements to prototype/solution discussed	
3.8	Discussion cites relevant literature e.g. compares solution/prototype with other studies	
3.9	Feasibility of final prototype/solution completed e.g. financial, time, labour, scale	
3.10	Explains the value/significance of the study i.e. value of the prototype/solution	
TOTAL (20)		

ENGINEERING TYPE/ COMPUTER SCIENCE PROJECTS

4. LIMITATIONS, FURTHER RESEARCH, CONCLUSION (10 marks)

4.1	Limitations and errors stated	
4.2	States how the prototype/solution can be improved	
4.3	Recommendations for further research made	
4.4	Conclusions(s)/Summary of the findings stated	
4.5	States whether Engineering/Programming Goals achieved or not	
TOTAL (10)		

5. ORIGINALITY, CREATIVITY AND VALUE (10 marks)

5.1	No evidence of plagiarism of ideas, text, images	
5.2	Knowledgeable about the field of study beyond the scope of the school curriculum	
5.3	Study that: Finds a new solution to a problem OR Improves on an existing solution OR Uses new methodology OR an improved method OR contributes to new knowledge	
5.4	Creative and resourceful e.g. uses available resources	
5.5	Shows mastery of the scientific investigative method	
TOTAL (10)		

6. PRESENTATION (30 marks)

Written		
6.1	Research Plan written in third person, future tense	
6.2	Journal/Data Book is present with data, notes	
6.3	Abstract is concise, substantial, third person, past tense	
6.4	Project Report has main sections: Introduction, Aim, Design or Engineering Goals, Design Criteria, Method, Results, Discussion, Limitations, Conclusion, Further Research, References, Acknowledgements	
6.5	Project Report written with correct content under headings	
6.6	Project Report AND Poster have correctly labelled Tables, Graphs, and Diagrams. Illustrations and Photographs are correctly referenced and/or acknowledged	
6.7	Poster has main sections: Introduction, Aim, Design or Engineering Goals, Design Criteria, Method, Results, Discussion, Limitations, Conclusion, Further Research, Acknowledgements	
6.8	Poster is a logical summary of the Project Report	
Interview		
6.9	Explains the problem/issue/phenomenon logically	
6.10	Understands scientific concepts, terminology, theories, principles related to the study	
6.11	Explains the research design/method logically, clearly and concisely	
6.12	Explains the results correctly and fully	
6.13	Makes justifiable claims based on the scope of the research study	
6.14	Both members of group project understand and contribute/Learner understands the research fully	
6.15	Research study was done by the learner(s)	
TOTAL (30)		

Please provide additional information (attach additional writing paper to this judging sheet, if necessary):

1. If this work was not done by the learner(s), and/or ideas, text, images were plagiarised, please explain and provide evidence of this.

2. What improvements can you recommend?

3. Who could mentor this project? Name and contact details

4. Other Comments