Assessment cover

OXFORD BROOKES UNIVERSITY

Module No:	**COMP6013**	Module title:	**BSc Computing Project**
Degree Programme :	**BSc (Hons) Computer Science**		
Project title :	**A Study of Effectiveness of Historic and Modern Encryption Methods**		
Supervisor :	**Mr. David Lightfoot**		
Due date and time**:**	**13:00 19th April 2024**		
Estimated total time to be spent on assignment:	**90 hours per student**		

Student No:	**Student Name:**
19068870	**Ryan Sadler**

Statement of Compliance *(please tick to sign)*

x	I declare that the work submitted is my own and that the work I submit is fully in accordance with the University regulations regarding assessments (*www.brookes.ac.uk/uniregulations/current*)

Regulations governing the deposit and use of Oxford Brookes University Projects and Dissertations

Copies of projects/dissertations, submitted in fulfilment of Modular Programme requirements and achieving marks of 60% or above, shall normally be kept by the Library.

Statement of Permission *(please tick to sign)*

x	**Thank you for agreeing to have your work (i.e. dissertation and associated deliverables) deposited in the Repository's Undergraduate eDissertation collection.** By depositing this work, you agree to the following Terms and Conditions: You confirm that: a. you are the copyright owner and/or have the right to grant us licence to hold your work in our institutional repository (currently RADAR). We agree to: b. add the work to the COMP6013 Collection so that it is available to Oxford Brookes University members for the lifetime of the institutional repository. c. convert the work if necessary for long term preservation. We reserve the right to remove third party copyright material that we may identify in the work. We reserve the right to remove the work for any legal or administrative reason.

Use of AI Tools

You are required to use this form to declare which AI tools you have used and how you have used them. Please complete the form and attach it to your submission as an Appendix, if you have used such tools.

LEARNING OUTCOMES

On successful completion of this module, students will be able to achieve the module following learning outcomes (LOs):	
1	Create, design, manage, plan, carry out, and evaluate a project involving the solution of a practical problem set in an appropriate social and economic context, taking into account other relevant factors such as risk
2	Apply practical and analytical skills acquired in the programme to the investigation of a substantial topic
3	Apply the scientific method and report findings using accepted formalisms
4	Identify and utilise trustworthy information sources, such as the ACM Digital Library to develop a coherent understanding of issues in the domain
5	Demonstrate the ability to carry out a substantial piece of work independently and critically evaluate the student's achievements and their own personal development
6	Use appropriate technologies such as online libraries and databases to find, critically evaluate and utilise both non-specialist and technical information pertinent to the project
7	Demonstrate an awareness of and work in a manner guided by the legal, professional, ethical, security and social issues relevant to the IT and telecommunications industry

Engineering Council AHEP4 LOs assessed (from S1 2022-23):	
B3	Select and apply appropriate computational and analytical techniques to model broadly-defined problems, recognising the limitations of the techniques employed
B4	Select and evaluate technical literature and other sources of information to address broadly-defined problems
B5	Design solutions for broadly-defined problems that meet a combination of societal, user, business and customer needs as appropriate. This will involve consideration of applicable health & safety, diversity, inclusion, cultural, societal, environmental and commercial matters, codes of practice and industry standards
B6	Apply an integrated or systems approach to the solution of broadly-defined problems
B7	Evaluate the environmental and societal impact of solutions to broadly-defined problems
B8	Identify and analyse ethical concerns and make reasoned ethical choices informed by professional codes of conduct
B9	Use a risk management process to identify, evaluate and mitigate risks (the effects of uncertainty) associated with a particular project or activity

B10	Adopt a holistic and proportionate approach to the mitigation of security risks
B13	Select and apply appropriate materials, equipment, engineering technologies and processes
B15	Apply knowledge of engineering management principles, commercial context, project management and relevant legal matters
B17	Communicate effectively with technical and non-technical audiences

FORMATIVE FEEDBACK OPPORTUNITIES

Your supervisor will give you the following formative feedback:
• Weekly, during project supervision meetings • Written feedback on Proposal (See Appendix A) • Written feedback on Progress Report (See Appendix B) • Feedback on presentation draft

SUMMATIVE FEEDBACK DELIVERABLES

Deliverable description and instructions	**Weighting out of 100%**
Presentation (see Appendix C) comprising: a) presentation of software, with video URL b) project slides c) summary poster (i.e. the final project slide)	**10%**
Final Report (see Appendix D) comprising: a) written dissertation b) software artefact URL link to source code	**90%**

ASSIGNMENT IN DETAIL

See Handbook Appendices A – D for assignment details and marking grid.