

Criteria (Equally Weighted)	Award Level or Something Special (High Distinction)	Worthy (Distinction)	Competent (Credit)	Reasonable (Pass)	Not Yet Competent (Fail)
Overall Problem	One of the approved suggested problems or an approved BYO topic.	N/A	N/A	N/A	A non-approved topic.
Algorithm/Method	Method/algorithm is innovative, original, novel, creative, or is a masterful adaptation of an existing technique.	Method/algorithm is based on an existing technique with some modification.	Method/algorithm is based on an existing technique with only minor modification.	Method/algorithm is a straightforward variation of existing technique covered in lectures without modification.	Method/algorithm is unsuitable for problem and reflects lack of understanding of task.
Algorithm Implementation	Algorithm implemented efficiently in code with informative comments and easy to execute.	Algorithm implemented in code with some comments and easy to execute.	Algorithm implemented in code without comments but executable.	Algorithm implemented in code with some minor errors but executable.	A token effort at implementation or code not submitted.
Report Title & Abstract	Title and abstract is creative, attention-grabbing & reflects report contents.	Title and abstract captures key concepts and/or results in report.	Title and abstract reflect some contents and/or results in the report.	Title and abstract is suitable, mostly technical jargon.	No title or abstract, or totally incomprehensible.
Report Introduction	Clear and concise introduction covering all problem statement, motivation, & background details prescribed in the task sheet, including a masterful discussion of appropriate literature.	Clear introduction covering all problem statement, motivation, & background details prescribed in the task sheet, including discussion of appropriate literature.	Introduction covering all problem statement, motivation, & background details prescribed in the task sheet, including discussion of some literature.	Introduction covering some problem statement, motivation, & background details prescribed in the task sheet, including discussion of some literature.	Introduction is entirely unclear or is a token effort with many glaring omissions.

Report Problem Definition and Formulation	Technically correct and innovative problem definition and formulation. Masterful choice and use of mathematical notation.	Technically correct problem definition and formulation. Excellent choice and use of mathematical notation with some minor mistakes.	Technically correct problem definition and formulation with some mistakes. Notation could be improved.	Problem definition and formulation included with room for improvement.	Problem definition and formulation entirely unclear and imprecise.
Report Method Description	Clear, concise, and technically correct description of method covering all details prescribed in the task sheet. Masterful use of mathematical notation.	Clear and mostly correct description of method covering most details prescribed in the task sheet. Minor notational issues.	Mostly correct description of method covering most details prescribed in the task sheet. Notation could be improved.	Description of method covering some details prescribed in the task sheet. Notation could be improved.	Method description is entirely unclear and imprecise.
Report Experiments	Clear and concise description of experiments covering all details prescribed in the task sheet, including a masterful selection and presentation of results and discussions.	Clear description of experiments covering most details prescribed in the task sheet, including a selection and presentation of results and discussions.	Description of experiments covering most details prescribed in the task sheet, including a selection and presentation of results and discussions.	Description of experiments covering some details prescribed in the task sheet, limited selection and presentation of results and discussions.	Report experiments are entirely unclear without details and interpretation.
Report Conclusion	Report conclusions are clear and concise and well-supported by the experimental results.	Report conclusions are supported by the experimental results with some minor lack of clarity.	Report conclusions are mostly supported by the experimental results with some lack of clarity.	Report conclusions included but some unsupported by the experimental results.	Report conclusions are totally unsupported or illogical.
Report Length and References	Report length within 7 pages with at most $\frac{1}{2}$ page of references.	N/A	N/A	N/A	Report length over 7 pages and/or has more than $\frac{1}{2}$ page of references.