1ˢᵗ SIT COURSEWORK 3:   **Year Long Spring 2019**

Module Code:	**CC4002NA**
Module Title:	**Information Systems**
Module Leader:	**Prasanna Regmi** (Itahari International College)

Coursework Type:	**Individual**
Coursework Weight:	This group work accounts for **30%** of your total module grades.
Submission Date:	**Week 20**
When Coursework is given out:	**Week 17**
Submission Instructions:	Submit the following to Itahari International College RTE department before the due date: **Documentation Folder** • **soft copy of the report** **Development Folder** • **MySQL dump file of the database**
Warning:	London Metropolitan University and Itahari International College takes Plagiarism seriously. Offenders will be dealt with sternly.

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1

Plagiarism Notice

You are reminded that there exist regulations concerning plagiarism.

Extracts from University Regulations on Cheating, Plagiarism and Collusion

Section 2.3: "The following broad types of offence can be identified and are provided as indicative examples .....
(i)   Cheating: including copying coursework.
(ii)   Falsifying data in experimental results.
(iii)   Personation, where a substitute takes an examination or test on behalf of the candidate. Both candidate and substitute may be guilty of an offence under these Regulations.
(iv)   Bribery or attempted bribery of a person thought to have some influence on the candidate's assessment.
(v)   Collusion to present joint work as the work solely of one individual.
(vi)   Plagiarism, where the work or ideas of another are presented as the candidate's own.
(vii)   Other conduct calculated to secure an advantage on assessment.
(viii) Assisting in any of the above.

Some notes on what this means for students:

(i)   Copying another student's work is an offence, whether from a copy on paper or from a computer file, and in whatever form the intellectual property being copied takes, including text, mathematical notation and computer programs.
(ii)   Taking extracts from published sources without attribution is an offence. To quote ideas, sometimes using extracts, is generally to be encouraged. Quoting ideas is achieved by stating an author's argument and attributing it, perhaps by quoting, immediately in the text, his or her name and year of publication, e.g. " e = mc2 (Einstein 1905)". A reference section at the end of your work should then list all such references in alphabetical order of authors' surnames. (There are variations on this referencing system which your tutors may prefer you to use.) If you wish to quote a paragraph or so from published work then indent the quotation on both left and right margins, using an italic font where practicable, and introduce the quotation with an attribution.

Further information in relation to the existing London Metropolitan University regulations concerning plagiarism can be obtained from http://www.londonmet.ac.uk/academic-regulations

This module is assessed by coursework (30%). For the coursework, the students are required to develop an application based on detailed guidance on given specifications. Through the coursework students should be able to:

1. Construct a data model for the persistent data of any organization or company of your choice.
2. Specify a data dictionary for the database of that company.
3. Implement a database
4. Populate the database with test data
5. Design database queries
6. Write a report to present the work done

- Students are required to submit weekly assignment along with related research evidence.

- The guideline for the Documentation/Development part is given below:

    o Components to be included are: cover page, proposal, and table of contents, figures and tables, footer.

    o The report must have an **Introduction** section with definite goals and objectives (approx. 400 words).

    o The report must have a **Discussion and Analysis** section in which students need to explain how the program was developed.

    o The report must have a **Research** section; the students need to look into at least 5 different books, journals, and websites. (approx. 500 words).

    - The report must include a **Conclusion** section where they need to present their finding of the development and research (approx. 300 words).

1. **Model**
   - The model must be relational with at least 5 different relations (tables) with minimum 5 rows of valid test data in each tables
   - Each relation must be identified using suitable primary key
   - The relations must be described using suitable attributes (columns)
   - The attributes could be constrained using suitable constraints (i.e., unique, not null, auto increment, etc.)
   - The relations could be interlinked using suitable pairing of foreign keys.
   - The model must be illustrated using suitable diagram (i.e., entity-relationship diagram and relational diagram)

2. **Data Dictionary**
   - The data dictionary must specify the entire schema of the database
   - Each table specification must describe its columns using information about the name, data type and constraints as well as its role in the table (i.e., primary key, unique key, foreign key, etc.)
   - The data dictionary must be presented in a suitable format (you can draw a table using Word)

3. **Queries**
   - Each student must design at least 10 different queries that use all the listed tables. The queries should be explained and appropriate screenshots should be included in this section. This section carries 10% of the total marks

NOTE:

The technicality of the project will be judged during the demo and marked accordingly. If any individual student is not able to justify his/her project, then the project will be kept under plagiarism.

Marking Scheme

University Grading Scheme for Undergraduate Programs: 2018/19		
Marking criteria	Letter grade	Mark recorded
C1 – Work Showing Evidence: 1. *The proposal has been professionally written in an appealing way and perfectly presented. The Scope of the project is clearly defined. The Student demonstrates total understanding of the aims and objectives of the project. The project deliverables are clearly stated. The student illustrates clear understanding of the target audience. The activity timeline is properly stated with the help of a project management tool such as Gantt chart.* 2. *Introduction/discussion and analysis sections have been properly written, describes the subject matter well and a very high level of understanding of the topics has been shown. The need to develop the project has been clearly explained. The entire features of the system including the processes has been clearly explained in great detail. The resources have been properly referenced and the resources so used are from reliable sources such as the IEEE and/or other peer reviewed journals.* 3. *The entire process of the development of the program is properly explained. Every step of the development process is clearly explained in chronological order. The tools used has been properly explained as well as how the tools have been used in developing the program has been properly explained in great detail. Such usage has been explained with proper screenshots.* 4. *The database model has been adequately explained. The tables have been properly explained including the primary and foreign keys. The reason for selection of a particular key as the primary key has been clearly disclosed. Appropriate examples are used to demonstrate such decision from student's part.* 5. *At the least, 5 different related tables have been designed. The query used in creation and populating the tables have been displayed with proper screenshots. The tables are related using suitable foreign keys.* 6. *Proper constraints have been defined to design the database. The constraints are logical and adequate explanation has been provided for the usage of constraints. Appropriate examples are used to solidify the argument.*	A+	95

7. *The database design is flawless. The program is able to answer even the complex queries that can be formulated. The database design is contextual and in sync with the scope of the project as well as the aims and objectives of the project.*		
8. *The Entity-Relation diagram as well as the Relational diagram is flawless. It contains no errors and relationships formulated between the tables are logical and adequately explained.*		
9. *The data dictionary is very elaborative. It contains examples for each attributes as well as appropriate description of each attributes. The data dictionary is adequately explained.*		
10. *The queries are properly explained along with appropriate screenshot of each query. The queries are formulated including all the tables so designed. The variety in terms of queries is adequately displayed. The queries so formulated are logical and contextual. At the least, 10 variety of queries have been formulated under individual heading. Each individual heading contains 2-3 examples of queries.*		
11. *A Very high level of research is demonstrated which includes a variety of reliable sources including text-books, journals, websites, videos, webinars and tutorials. The resources are properly referenced. The Student has properly mentioned what he/she has learnt from a particular research material.*		
12. *The conclusion is elaborative and explains all the difficulties faced during the development of the program. Students has properly explained how the problems faced have been tackled and lessons learnt from the project overall. The student has presented evidence of such problems and solutions through the help of appropriate screenshots.*		
13. *A well written conclusion has been given and the report is well-structured, written in good English, free from spelling and grammatical errors and that it written in a professional style of a technical article and presented at a high standard.*		
14. *The student's performance in the VIVA was perfect in every respect.*		
C2 – Work Showing Evidence:		

1. *The proposal has been professionally written in an appealing way and perfectly presented. The Scope of the project is clearly defined. The Student demonstrates total understanding of the aims and objectives of the project. The project deliverables are clearly stated. The student illustrates clear understanding of the target audience. The activity timeline is properly stated with the help of a project management tool such as Gantt chart.* 2. *Introduction/discussion and analysis sections have been properly written, describes the subject matter well and a very high level of understanding of the topics has been shown. The need to develop the project has been clearly explained. The entire features of the system including the processes has been clearly explained in detail. The resources have been properly referenced and the resources so used are from reliable sources.* 3. *The entire process of the development of the program is properly explained. Every step of the development process is clearly explained in chronological order. The tools used has been properly explained as well as how the tools have been used in developing the program has been properly explained in great detail.* 4. *The database model has been adequately explained. The tables have been properly explained including the primary and foreign keys. The reason for selection of a particular key as the primary key has been clearly disclosed.* 5. *At the least, 5 different related tables have been designed. The query used in creation and populating the tables have been displayed with proper screenshots. The tables are related using suitable foreign keys.* 6. *Proper constraints have been defined to design the database. The constraints are logical and adequate explanation has been provided for the usage of constraints. Appropriate examples are used to solidify the argument.* 7. *The database design is flawless. The program is able to answer even the complex queries that can be formulated. The database design is contextual and in sync with the scope of the project as well as the aims and objectives of the project.* 8. *The Entity-Relation diagram as well as the Relational diagram is flawless. It contains no errors and relationships formulated between the tables are logical and adequately explained.*	A	85

9. The data dictionary is elaborative. It contains examples for each attributes as well as appropriate description of each attributes. The data dictionary is adequately explained.		
10. The queries are properly explained along with appropriate screenshot of each query. The queries are formulated including all the tables so designed. The variety in terms of queries is adequately displayed. The queries so formulated are contextual. At the least, 10 variety of queries have been formulated under individual heading. Each individual heading contains 2-3 examples of queries.		
11. A high level of research is demonstrated which includes a variety of reliable sources including text-books, journals, websites, videos and tutorials. The resources are properly referenced. The Student has properly mentioned what he/she has learnt from a particular research material.		
12. The conclusion explains all the difficulties faced during the development of the program. Students has properly explained how the problems faced have been tackled and lessons learnt from the project overall.		
13. A well written conclusion has been given and the report is well-structured, written in good English, free from spelling and grammatical errors and that it written in a professional style of a technical article and presented at a high standard.		
14. The student showed a level of understanding and insight very much beyond what is expected at this level.		
C3 – Work Showing Evidence: 1. The proposal has been professionally written and presented in an organized manner. The Scope of the project is clearly defined. The Student demonstrates adequate understanding of the aims and objectives of the project. The project deliverables are stated. The student illustrates understanding of the target audience. The activity timeline is properly stated. 2. Introduction/discussion and analysis sections have been properly written, describes the subject matter well and a good level of understanding of the topics has been shown. The need to develop the project has been clearly explained. The entire features of the system including the processes has been explained. The resources have been properly referenced.	A-	75

3. The entire process of the development of the program is properly explained. Every step of the development process is explained. The tools used has been properly explained as well as how the tools have been used in developing the program has been properly explained in detail.		
4. The database model has been adequately explained. The tables have been properly explained including the primary and foreign keys. The reason for selection of a particular key as the primary key has been clearly disclosed.		
5. At the least, 5 different related tables have been designed. The query used in creation and populating the tables have been displayed with proper screenshots. The tables are related using suitable foreign keys. The need to define a particular key as foreign key has been explained.		
6. Proper constraints have been used to design the database. The constraints are logical and adequate explanation has been provided for the usage of constraints.		
7. The database is very well designed. The program is able to answer all general queries. The database design is contextual and in sync with the scope of the project as well as the aims and objectives of the project.		
8. The Entity-Relation diagram as well as the Relational diagram is properly formulated. It contains no errors and relationships formulated between the tables are logical.		
9. The data dictionary is elaborative and contains description of each attribute. The data dictionary is adequately explained.		
10. The queries are properly explained along with appropriate screenshot of each query. The queries are formulated including all the tables so designed. The variety in terms of queries is adequately displayed. The queries so formulated are contextual. At the least, 10 variety of queries have been formulated.		
11. A high level of research is demonstrated which includes a variety of reliable sources including text-books, journals and websites. The resources are properly referenced. The Student has properly mentioned what he/she has learnt from a particular research material.		
12. The conclusion is well structured and explains all the difficulties faced during the development of the program.		

Students has properly explained how the problems faced have been tackled and lessons learnt from the project overall.		
13. *A well written conclusion has been given and the report is well-structured, written in good English, free from spelling and grammatical errors and that it written in a professional style of a technical article and presented at a high standard.*		
14. *The student showed a level of understanding and insight beyond what is expected at this level.*		
C4 – Work Showing Evidence:		
1. *The proposal has been well written and nicely presented. The Scope of the project is defined. The Student demonstrates adequate understanding of the aims and objectives of the project. The project deliverables are stated. The student illustrates understanding of the target audience. The activity timeline is properly stated in a tabular form.*	B+	67
2. *Introduction/discussion and analysis sections have been properly written, describes the subject matter well and a good understanding of the topics has been shown. The need to develop the project has been clearly explained. The entire features of the system has been mentioned. The resources have been properly referenced.*		
3. *The entire process of the development of the program is properly explained. Every step of the development process is explained. The tools used has been explained as well as how the tools have been used in developing the program has been discussed.*		
4. *The database model has been explained. The tables have been properly explained including the primary and foreign keys. The reason for selection of a particular key as the primary key has been disclosed.*		
5. *At the least, 5 different related tables have been designed. The query used in creation and populating the tables have been displayed with proper screenshots. The tables are related using suitable foreign keys.*		
6. *Proper constraints have been used to design the database. The constraints used are fairly logical.*		
7. *The database is very well designed. The program is able to answer all general queries. The database design is*		

contextual and in sync with the scope of the project as well as the aims and objectives of the project.		
8. *The Entity-Relation diagram as well as the Relational diagram is properly formulated. It only contains minor errors (if any) and relationships formulated between the tables are logical.*		
9. *The data dictionary is elaborative and contains description of attributes. The data dictionary is adequately explained.*		
10. *The queries are explained along with appropriate screenshot of each query. The queries are formulated including all the tables so designed. The variety in terms of queries is displayed. The queries so formulated are contextual. At the least, 10 variety of queries have been formulated.*		
11. *A good level of research is demonstrated which includes a variety of reliable sources including text-books/journals and websites. The resources are properly referenced. The Student has properly mentioned what he/she has learnt from a particular research material.*		
12. *The conclusion is well structured and explains all the difficulties faced during the development of the program. Students has properly explained how the problems faced have been tackled and lessons learnt from the project overall.*		
13. *A well written conclusion has been given and the report is well-structured, written in good English, free from grammatical errors, few minor spelling errors and is adheres to a good standard.*		
14. *The student displayed a better than average level of understanding. The student was able to answer most of the questions clearly and with insight.*		
C5 – Work Showing Evidence:		
1. *The proposal has been written and presented in a good manner. The Scope of the project is defined. The Student demonstrates reasonable understanding of the aims and objectives of the project. The project deliverables are mentioned. The student illustrates some understanding of the target audience. The activity timeline is properly stated in a tabular form.*	B	63
2. *Introduction/discussion and analysis sections have been properly written, describes the subject matter and a*		

reasonable understanding of the topics has been shown. The need to develop the project has been explained. The entire features of the system has been mentioned. The resources have been properly referenced.		
3. *The entire process of the development of the program is adequately explained. The tools used has been explained as well as how the tools have been used in developing the program has been properly explained.*		
4. *The database model has been explained. The tables have been reasonably explained including the primary and foreign keys. The reason for selection of a particular key as the primary key has been discussed.*		
5. *At the least, 5 different related tables have been designed. The query used in creation and populating the tables have been displayed with proper screenshots. The tables are related using suitable foreign keys.*		
6. *Proper constraints have been used to design the database. The constraints used are logical.*		
7. *The database is very well designed. The program is able to answer all general queries. The database design is contextual and in sync with the scope of the project as well as the aims and objectives of the project.*		
8. *The Entity-Relation diagram as well as the Relational diagram is properly formulated. It only contains minor errors and relationships formulated between the tables are logical.*		
9. *The data dictionary is elaborative and contains description of attributes. The data dictionary is reasonably explained.*		
10. *The queries are explained along with appropriate screenshot of each query. The queries are formulated including all the tables so designed. The variety in terms of queries is displayed. The queries so formulated are contextual. At the least, 10 queries have been formulated.*		
11. *A reasonable level of research is demonstrated which includes a variety of reliable sources including textbooks/journals and websites. The resources are properly referenced. The Student has properly mentioned what he/she has learnt from a particular research material.*		
12. *The conclusion is well structured and explains all the difficulties faced during the development of the program.*		

Students has properly explained how the problems faced have been tackled and lessons learnt from the project overall.		
13. *A well written conclusion has been given and the report is well-structured, written in good English, contains minor grammatical and spelling errors and adheres to a good standard overall.*		
14. *The student displayed a level of understanding which is about what is expected.*		
C6 – Work Showing Evidence:		
1. *The proposal has been written and presented to an acceptable level. The Scope of the project is defined. The Student demonstrates some understanding of the aims and objectives of the project. The project deliverables are mentioned. The student illustrates some understanding of the target audience. The activity timeline is properly stated.*	C+	57
2. *Introduction/discussion and analysis sections have been properly written, describes the subject matter and an understanding of the topic has been shown to a reasonable level. The need to develop the project has been mentioned. The major features of the system has been mentioned. The resources have been properly referenced.*		
3. *The major processes of the development of the program is explained. The tools used has been explained as well as how the tools have been used in developing the program has been mentioned.*		
4. *The database model has been explained. The tables have been reasonably explained including the primary and foreign keys. The reason for selection of a particular key as the primary key has been discussed.*		
5. *At the least, 5 different related tables have been designed. The query used in creation and populating the tables have been displayed with proper screenshots. The tables are related using suitable foreign keys.*		
6. *Proper constraints have been used to design the database. The constraints defined are logical.*		
7. *The database is well designed. The program is able to answer major queries. The database design is contextual and in sync with the aims and objectives of the project.*		

8. The Entity-Relation diagram as well as the Relational diagram is properly formulated. It only contains minor errors and relationships formulated between the tables are logical.		
9. A standard format for data dictionary is followed that encompasses description of all attributes. The data dictionary is somewhat explained.		
10. The queries are somewhat explained along with appropriate screenshot of each query. The queries are formulated including the major tables so designed. The variety in terms of queries is displayed to a reasonable level. The queries so formulated are contextual. At the least, 10 queries have been formulated.		
11. A reasonable level of research is demonstrated which includes a variety of sources including text-books and websites. The resources are referenced. The Student has mentioned what he/she has learnt from a particular research material.		
12. The conclusion is well structured and explains some difficulties faced during the development of the program. Students has somewhat mentioned how the problems faced have been tackled and lessons learnt from the project overall.		
13. The report is reasonably structured, written in good English, contains only a few grammatical and spelling errors and adheres to an acceptable standard overall.		
14. The student's performance in the VIVA demonstrated that the learning objectives were fairly met. The student displayed a level of understanding which is considered minimum acceptable at this level.		
C7 – Work Showing Evidence: 1. The proposal has been written to an acceptable level. The Student demonstrates some understanding of the aims and objectives of the project. The student illustrates basic understanding of the target audience. The activity timeline is mentioned.	C	53
2. Introduction/discussion and analysis sections have been written to a bare acceptance level. Student has demonstrated basic understanding of the topic. The need to develop the project has been briefly stated. The major features of the system has been briefly stated. The resources have been referenced.		
3. The major processes of the development of the program		

is briefly discussed. The tools used has been explained as well as how the tools have been used in developing the program has been mentioned.		
4. *The database model has been explained. The tables have been briefly explained including the primary and foreign keys.*		
5. *At the least, 5 different related tables have been designed. The query used in creation and populating the tables have been displayed with screenshots.*		
6. *Proper constraints have been used to design the database.*		
7. *The database is reasonably designed containing only some errors. The program is able to answer basic, major queries. The database in sync with aims and objectives of the project.*		
8. *The Entity-Relation diagram as well as the Relational diagram is formulated with some errors. The relationships formulated between the tables are somewhat logical.*		
9. *A standard format for data dictionary is followed.*		
10. *The queries are demonstrated through appropriate screenshot of each query. At the least, 10 queries have been formulated.*		
11. *A reasonable level of research is demonstrated which includes a variety of sources including text-books and websites. The resources are referenced. The Student has briefly discussed what he/she has learnt from the overall research activity.*		
12. *The conclusion explains some difficulties faced during the development of the program. Students has somewhat mentioned the lessons learnt from the overall project.*		
13. *The report is written in English, contains some grammatical and spelling errors and adheres to an acceptable standard overall.*		
14. *The student's performance in the VIVA demonstrated that the learning objectives were met to a minimum acceptable level. The student was able to answer some questions.*		
C8 – Work Showing Evidence:		
1. *The proposal has been written to an acceptable level. The*	D+	47

Student demonstrates some understanding of the aims and objectives of the project.		
2. *Introduction/discussion and analysis sections have been written to a bare acceptance level. Student has demonstrated basic understanding of the topic. The need to develop the project may not have been stated.*		
3. *The major processes of the development of the program is briefly discussed. The tools used has been briefly listed. The report may lack explanation as to how as well as how the tools have been used in developing the program.*		
4. *The database model has been briefly discussed and may lack proper explanation of primary and foreign keys.*		
5. *At the least, 5 different related tables have been designed.*		
6. *The database designed may contain some errors. The program is able to answer basic, major queries.*		
7. *The Entity-Relation diagram as well as the Relational diagram is formulated with some errors. The relationships formulated between the tables may not be logical.*		
8. *A standard format for data dictionary is followed.*		
9. *The queries are demonstrated through appropriate screenshot of each query.*		
10. *A satisfactory level of research is demonstrated which includes some reliable resources. The resources may not be properly referenced.*		
11. *The conclusion explains some difficulties faced during the development of the program. Student has somewhat mentioned the lessons learnt from the overall project.*		
12. *The report is written in a satisfactory level, may lack structure and contain some grammatical and spelling errors and adheres to an acceptable standard overall.*		
13. *The student's performance in the VIVA was such that he/she showed little understanding and was able to answer only the basic questions.*		
C9 – Work Showing Evidence:		
1. *The proposal has been written to an acceptable level. The Student may not be able to demonstrate clear understanding of the aims and objectives of the project.*	D	43

2. *Introduction/discussion and analysis sections have been written to a bare acceptance level. Student has demonstrated a very basic understanding of the topic.*		
3. *The major processes of the development of the program is briefly discussed. The tools used has been briefly listed and may lack some explanation.*		
4. *The database model is explained in a very basic level and may lack proper explanation of primary and foreign keys.*		
5. *5 different related tables have been designed.*		
6. *The database designed may contain a few substantial errors. The program is able to answer only the very basic queries.*		
7. *The Entity-Relation diagram as well as the Relational diagram is formulated with some errors. The relationships formulated between the tables may not be logical.*		
8. *A standard format for data dictionary may not have been followed.*		
9. *The queries are demonstrated through appropriate screenshots.*		
10. *A basic level of research is demonstrated which may not be properly referenced.*		
11. *In The conclusion section, Student has somewhat mentioned the lessons learnt from the overall project.*		
12. *The report is written in a satisfactory level, may lack structure and contain some grammatical and spelling errors and adheres to a bare acceptable standard overall.*		
13. *The student's performance in the VIVA was such that he/she showed little understanding and was able to answer only the very basic questions.*		
C10 – Work Showing Evidence:		
1. *The proposal is not well written and is poorly presented. The Student has not demonstrated basic understanding of the aims and objectives of the project.*	F1	37
2. *Introduction/discussion and analysis sections does not adhere to a bare acceptance level. Student does not demonstrate even the very basic understanding of the topic.*		

3. *The major processes of the development of the program is not discussed.*		
4. *The database model is not explained even in a very basic level.*		
5. *5 different related tables have not been designed.*		
6. *The database designed may contains fundamental errors. The program is not able to answer even the very basic queries.*		
7. *The Entity-Relation diagram as well as the Relational diagram is formulated with fundamental errors.*		
8. *A standard format for data dictionary is not followed.*		
9. *The queries are not demonstrated through appropriate screenshots. The number of queries formulated is not equal to or nearer to 10.*		
10. *The research does not adhere to even the basic level and is not referenced.*		
11. *The conclusion section is poorly written and/or is not structured.*		
12. *The report is not of a satisfactory level, lacks structure and contain grammatical and spelling errors.*		
13. *The student showed almost no understanding of the technical content of the project and was unable to answer even the most basic questions.*		
C11 – Work Showing Evidence:		
1. *The proposal is not well written and is poorly presented.*	F2	23
2. *Introduction/discussion and analysis sections is poorly written and structured.. Student does not demonstrate even the very basic understanding of the topic.*		
3. *The major processes of the development of the program is not discussed.*		
4. *The database model is not explained even in a very basic level.*		
5. *5 different related tables have not been designed.*		
6. *The database designed may contains fundamental errors. The program is not able to answer even the very basic*		

queries. 7. *The Entity-Relation diagram as well as the Relational diagram is formulated with fundamental errors. The diagrams are unclear and not understandable.* 8. *A standard format for data dictionary is not followed. The data dictionary is difficult to understand.* 9. *The queries are not demonstrated through appropriate screenshots. The number of queries formulated is not equal to or nearer to 10.* 10. *The research does not adhere to even the basic level and is not referenced.* 11. *The conclusion section is poorly written and/or is not structured.* 12. *The report is not of a satisfactory level, lacks structure and contain grammatical and spelling errors.* 13. *The student showed no understanding of the technical content of the project and was unable to answer even the most basic questions.*		
Fail (non-submission or submission of work which cannot be given any credit (e.g., blank submission, incorrect assignment)	F3	0