Diploma in Information Technology (Course Outline)

		St Clements+ Highlight Course	Pt				Australian IT Diploma Course
		THEORETICAL TRAINING					
	ICT 101	Information Technology Fundamentals	3		GC	ICAICT501A	Research and review hardware technology options for organisations
	ICT 102	Computer Applications and Operations	2		GC GC	ICASAS509A ICASAS503A	Provide client IT support services Perform systems tests
	ICT 103	Applied Programming	5	BAE601	GB	ICAPRG523A	Apply advanced programming skills in another language
	ICT 104	Program Project	5	BAE601	GB GC GD GG	ICAPRG502A ICAICT510A ICAWEB507A CAPMG501A	Manage a project using software management tools Determine appropriate IT strategies and solutions Customise a complex IT content management system Manage IT projects
	ICT 105	Systems Analysis and Programs	5	BAE603	Core GC	ICAICT509A ICAICT502A	Gather data to identify business requirements Develop detailed component specifications from project specifications
					Core	ICAICT511A	Match IT needs with the strategic direction of the enterprise
	ICT 106	Software Engineering	5	BAE603	GB GB GB	ICAPRG502A ICAPRG510A ICAPRG512A	Manage a project using software management tools Maintain custom software Prepare for the build phase of an IT system
	ICT 107	Business Information Systems	5		GA	ICANWK501A	Plan, implement and test enterprise communication solutions
		30					
		WORK PERFORMANCE					
	Task 1	Provide the OHS Procedure in workplace			Core	BSBOHS509A	Ensure a safe workplace
	Task 2	Provide the procedure to maintain the IT equipments in workplace			Core	BSBSUS501A	Develop workplace policy and procedures for sustainability
	Task 3	Take the record of sound & picture from an event			GE	ICAGAM504A	Manage interactive media production
	Task 4	Take the digital video by using digital camera & edit/ convert to other formats by provided software			GF	CADMT501A	Incorporate and edit digital video

Advanced Diploma in Information Technology (Course Outline)

		St Clements+ Highlight Course	Pt				Australian IT Diploma Course
		THEORETICAL TRAINING					

	ICT 201	Organisational Behaviour	5			BSBWOR502B BSBMGT516A BSBSUS501A	Ensure team effectiveness Facilitate continuous improvement Develop workplace policy and procedures for sustainability
	ICT 202	Information Systems Principles and Networking	5	BAE602		ICANWK516A ICANWK532A ICANWK614A	Determine best-fit topology for a local network Identify and resolve network problems Manage IT security
	ICT 203	Information Systems, Analysis and Design	5	BAE602	2	ICAPRG602A ICAICT509A ICAICT603A ICAICT608A ICAPMG606A ICAICT713A	Manage the development of technical solutions from business specifications Gather data to identify business requirements Manage the use of appropriate development methodologies Interact with clients on a business level Manage IT project quality Manage IT services
	ICT 204	Advanced Programming	5	BAE601		ICAPRG527A ICAPRG501A ICAPRG505A	Apply intermediate object-oriented language skills Apply advanced object-oriented language skills Build advanced user interface
	ICT 205 ICT 206	Project Work WORK PERFORMANCE ASSESSMENT Total	5 30	BAE602	Core Core Core Core Core Core	ICAPRG506A ICAPMG601A ICAPMG602A ICAPMG603A ICAPMG604A ICAPMG605A	Manage copyright, ethics and privacy in an IT environment Establish IT project governance *Manage IT project initiation *Manage IT project planning *Manage IT project delivery *Manage IT project closure

Information Technology study Guide (Part 1)

(Year 1 –Diploma in Information Technology) (30 points)

Lectures prepared by

U Kyaw Naing

Member of Australian Computer Society & Member of Engineers Australia

ICT 101	Information Technology Fundamentals	2 Pt
ICT 102	Computer Applications and Operations	3 Pt

The student should complete ICT 101+ICT 201 within two months.

TASK (1) (ICT 102)

Use of Word 2007 or 2010

Download the instruction e-book for Word 2007 or 2010 from the following link.

You can choose the instruction book for Word 2007 or 2010 depending on Microsoft Office program that you have.

Word 2007

(R186)word-2007-introduction-part-i_pdf

http://www.filefactory.com/file/2s874qnp7jfr/n/word-2007-introduction-part-i_pdf

http://www.filefactory.com/file/23ewfjjerdfd/word-2007-introduction-part-i.pdf

(R196)word-2007-introduction-part-ii_pdf

http://www.filefactory.com/file/3w71sdx5yhw1/n/word-2007-introduction-part-ii_pdf

http://www.filefactory.com/file/45vvycto7o6j/word-2007-introduction-part-ii.pdf

(210)word-2007-advanced-part-i_pdf

http://www.filefactory.com/file/4mdugxonqa9b/n/word-2007-advanced-part-i_pdf
http://www.filefactory.com/file/3tgdk2lzorid/word-2007-advanced-part-i.pdf

(R167)word-2007-advanced-part-ii_pdf

http://www.filefactory.com/file/15ybucj6yphr/n/word-2007-advanced-part-ii_pdf

http://www.filefactory.com/file/1s64r5vxatgl/word-2007-advanced-part-ii.pdf

Word 2010

(238)word-2010-introduction_pdf

http://www.filefactory.com/file/7824v6tjha2v/n/word-2010-introduction_pdf
http://www.filefactory.com/file/69w78vjoswyv/word-2010-introduction.pdf

(217)word-2010-advanced-part-i_pdf

http://www.filefactory.com/file/4xop2y9k1erx/n/word-2010-advanced-part-i_pdf

http://www.filefactory.com/file/24c3t7euhj45/word-2007-advanced-part-i.pdf

(R185)word-2010-advanced-part-ii_pdf

http://www.filefactory.com/file/2oh7hfuzpodh/n/word-2010-advanced-part-ii_pdf
http://www.filefactory.com/file/1s64r5vxatgl/word-2007-advanced-part-ii.pdf

ASSIGNMENT (1)

Follow the instruction given in e-Books, you prepare & present three evidences of documents such as Typed Letters, Table, Diagram etc. If you follow the Introduction Instruction & present the evidences, you can get up to B+ & if follow the Introduction advanced & present the evidences, you can get up to A+.

You can submit the assignment to iqytechnicalcollege@gmail.com

TASK (2) (ICT 102)

Use of Excel 2007 or 2010

Excel 2007

(209)microsoft-office-excel_pdf

http://www.filefactory.com/file/35qwez9pj431/excel-2010-introduction-part-i.pdf

(R190)excel-2007-advanced-part-i_pdf

http://www.filefactory.com/file/313xzpm9ijux/n/excel-2007-advanced-part-i_pdf
http://www.filefactory.com/file/c1tjmt27g9f/excel-2010-advanced.pdf

Excel 2010

(224)excel-2010-introduction-part-ii_pdf

http://www.filefactory.com/file/5rljf7fy8p0p/n/excel-2010-introduction-part-ii_pdf
http://www.filefactory.com/file/e9rry5fx0sj/excel-2010-introduction-part-ii.pdf

ASSIGNMENT (2)

Follow the instruction given in e-Books, you prepare & present three evidences of documents such as Table, Diagram , inserting the formula, graphics etc. If you follow the Introduction Instruction & present the evidences, you can get up to B+ & if follow the Introduction advanced & present the evidences, you can get up to A+.

You can submit the assignment to iqytechnicalcollege@gmail.com

TASK (3) (ICT 102)

Use of Power Point

(R215)powerpoint-2007-part-i_pdf

http://www.filefactory.com/file/4vuoppxsfki3/n/powerpoint-2007-part-i_pdf
(R187)powerpoint-2007-part-ii_pdf

http://www.filefactory.com/file/2tgxv0xdj0z/n/powerpoint-2007-part-ii_pdf
(R173)powerpoint-2010-advanced_pdf

http://www.filefactory.com/file/1pzcm2f40xy3/n/powerpoint-2010-advanced_pdf

ASSIGNMENT (3)

Follow the instruction given in e-Books, you prepare & present three evidences of documents of power point presentation. You can insert the typing, diagram, picture, sound, video etc. If you follow the Introduction Instruction & present the evidences, you can get up to B+ & if follow the Introduction advanced & present the evidences, you can get up to A+.

You can submit the assignment to iqytechnicalcollege@gmail.com

TASK (4) (ICT 102)

Use of Databaseo rogram

Access 2007

(R192)access-2007-part-i_pdf

http://www.filefactory.com/file/3aa9df1r1wm3/n/access-2007-part-i_pdf

(255)access-2007-part-ii_pdf

http://www.filefactory.com/file/rj0ypy5r58r/n/access-2007-part-ii_pdf

(214)access-2007-part-iii_pd

http://www.filefactory.com/file/4u5z5hfcfglv/n/access-2007-part-iii_pdf

Access 2010

(R177)access-2010-part-i_pdf

http://www.filefactory.com/file/22lsilwcj3gr/n/access-2010-part-i_pdf

http://www.filefactory.com/file/ohc9h8u74an/access-2010-part-i.pdf

(R174)access-2010-part-ii_pdf

http://www.filefactory.com/file/1r4qdnc0txgr/n/access-2010-part-ii_pdf

http://www.filefactory.com/file/1dol3g2yg9s9/access-2010-part-ii.pdf

(R180)access-2010-part-iii_pdf

http://www.filefactory.com/file/28d233nzt9db/n/access-2010-part-iii_pdf

http://www.filefactory.com/file/4xfmzu3ue0pz/access-2010-part-iii.pdf

(243)access-2010-part-iv_pdf

http://www.filefactory.com/file/7d11ntcq3mbn/n/access-2010-part-iv_pdf

http://www.filefactory.com/file/egus43txhb1/access-2010-part-iv.pdf

ASSIGNMENT (4)

Follow the instruction given in e-Books, you prepare & present three evidences of documents of database system design You can insert the typing, diagram, picture, sound, video etc. If you follow the Introduction Instruction & present the evidences, you can get up to B+ & if follow the Introduction advanced & present the evidences, you can get up to A+.

You can submit the assignment to iqytechnicalcollege@gmail.com

TASK (5) (ICT 101)

- Download the following link

http://www.filefactory.com/file/c0cc0f7/n/Additional_1.zip

- Open the folder " Industrial Computer System"
- Study the contents in the following files.

"IntroHardware.doc"
"Motherboard_.ppt"
"Presentation_on_the_System_Bus.ppt"
"hard-drive-controllers_1.ppt"
"THE_CPU_.ppt"

"Power_Supply_Surge_Protectors.ppt"

"good_one.ppt

Then answer the followings questions & send the answer by e-mail to iqytechnicalcollege@gmail.com

ASSIGNMENT (5)

Q1. Explain the followings (a) CPU (b) Interface Cards (c) RAM modules (d) Computer File Structures (e) Sharing a drive or device on a computer network (f) Mapping a network drive:

Q2. Write the operation function of computer mother board.
Q3.What is system bus?
Q4.What travel on the system bus?
Q5.Explain the function of address bus & memory
Q6.What is controller?
Q7.Explain the types of controllers.
Q8. What is SCSI?
Q9.What is ATA?
Q10.Describe the operation function of Internal bus & external bus.
Q11. What is a computer network and using network drives?
Q12. What does CPU mean & do?
Q13. Explain the structure & function of DUO core CPU.
Q14. To utilize a particular type of CPU what aspects of compatibility to be considered?
Q15. Explain the function of uninterruptable power supply.
Q16. How do you understand the stand by UPS.
Q17. To use UPS, what compatibilities are required to be considered?
Q18. Explain Cache memory
Q19.Describe SDRAM & DDR
Q20.What is the function of heat sink & why it is important?

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				GD GG	ICAWEB507A CAPMG501A	Customise a complex IT content management system Manage IT projects
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		30				
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Task 2	Provide the procedure to maintain the IT equipments in workplace			Core	BSBSUS501A	Develop workplace policy and procedures for sustainability
Task 3	Take the record of sound & picture from an event			GE	ICAGAM504A	Manage interactive media production
Task 4	Take the digital video by using digital camera & edit/ convert to other formats by provided software			GF	CADMT501A	Incorporate and edit digital video

ICT 103 Applied Programming

C Programming

Lectures

BAE601-ICT 103+104+204 Week 1 Lesson

ASSIGNMENT (1)

Part (1) Questions

Study the slide Number from	Questions
2	Explain the writing & running C Program
5	Write the program to call a function
7	Indicate char(12) in memory
10	Describe how (3-6) /5 is calculated
12	What is the difference between ++X and X ++
14	Write a program to call the stack.
16	How for loop can be used instead of while loop, describe with

	example program.?
18	if you wanted to implement a function pow_assign() that *modified* its argument, how will you write the program?
20	What if we had a way to find out the address of a symbol, and a way to reference that memory location by address? Explain with sample program.
22	Write the program to check the pointer validity.
26	What is array?

Part (2) Program Task

Write a program to accomplish the followings

- struct timeval is defined in this header
- fields can specify specific bit widths
- A newly-defined structure is initialized using this syntax. All unset fields are 0.
- structs define a layout of typed fields
- Fields are accessed using '.' notation.
- A pointer to a struct. Fields are accessed using '->' notation, or (*ptr).counter

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ICT 104 Program Projects

C++ Programming

Lectures

BAE601-ICT 103+104+204 Week 2 Lesson Part 1

BAE601-ICT 103+104+204 Week 2 Lesson Part 2

BAE601-ICT 103+104+204 Week 2 Lesson Part 3

(R179)structured-programming-with-c-plus-plus_pdf

http://www.filefactory.com/file/26stkfcfaukj/n/structured-programming-with-c-plus-plus_pdf

http://www.filefactory.com/file/58weymci0zvf/structured-programming-with-c-plus-plus.pdf

(257)project-2010-advanced_pdf

http://www.filefactory.com/file/3sye8n116nv9/n/project-2010-advanced_pdf

http://www.filefactory.com/file/2jn8eqm44qkd/project-2010-advanced.pdf

ASSIGNMENT (2)

Program Task

BAE601-ICT 103+104+204 Week 2 Lesson Part 1

(1) Create a C++program that asks the user for the unit price of a product and, the quantity and then calculate total price
(2) Draw a JSP Graph and write the C++ program that user can enter the quantity & price.
(3) Draw a JSP graph & write the C++program to get the following print out.

INVOICE

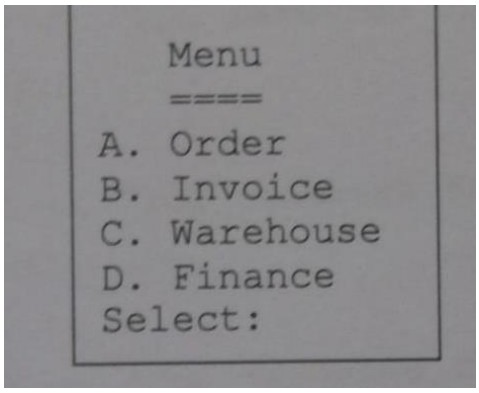
Quantity : 10
Price per unit: 17.70
Total price : 185.85
Tax : 8.85

(4) Write a time conversion program by using C++

BAE601-ICT 103+104+204 Week 2 Lesson Part 2

Program Task

(5) Write a C++program that calculate the sale price. If the customer buy for $2000, 10% discount will be given. If the customer buy for $1000 or more than 10 item, 5% discount will be given otherwise no discount will be given.
(6) Print the number 1 to 10 with their cube by using C++.
(7) Write the C++program to solve the equation $X^2+4X=+3 = 0$.
(8) Write the C++ program to calculate the average temperature in January
(9) Write the C++ program to operate the following warehouse inventory system.



(10)Write C++ program to determine the square root value of numbers.

ICT 105 Systems Analysis and Programs

Lectures

BAE603-ICT_105_106_Wk_1

References Slides & Notes

BAE603-ICT_105_106_Wk_3 Part 1

System Analysis

http://www.filefactory.com/file/5uvouii45hnl/System_Analysis.pdf

ASSIGNMENT (3)

Question No	Questions
1	What are the general characteristics of software products?
2	Write the simplified software process.
3	Describe Iterative Refinement
4	How does the feasibility Study of software perform?
5	Describe the Repository
6	Describe the Critical Path Method
7	What are the requirements for software documentation?
8	Describe requirements Definition and Analysis
9	Describe the Observations about Software Processes
10	How will minimize the risk?
11	What are the Technical Strategies in software development?
12	How can Software development projects fail ?

ICT 106 Software Engineering

Web link

Lectures

BAE603-ICT_105_106_Wk_2

References Slides & Notes

BAE603-ICT_105_106_Wk_3 Part 2

(4) Question No Questions

1	How do you understand Copyright ?
2	What is Derivative Works ?
3	What is Trade Secrets and Non-Disclosure Agreements?
4	What is Open Source software?
5	Describe Source Code Management
6	What should be in the database?
7	Describe Distributed Objects and the System Life-Cycle
8	What is code sharing?
9	Describe Formal Specification Using Diagrams.
10	What are the Principles of Interface Design?
11	Explain Predicting System Performance
12	How do you understand Software Engineering as Engineering?

ICT 107 Business Information Systems

Weblink for Teaching Lessons

Reading

Business Information System

http://www.filefactory.com/file/1s25g2278sen/business-information-systems_1%5D.pdf

ASSIGNMENT (6)

Study the slide Number from	Questions
1	What is organization?
2	What are the needs for organization?
3	What is the most important aspect of information?
4, 5	Write the check list for information quality.
6 to 9	What are the information requirement for small & large organizations?
10 to 13	What are the information requirement for trading sector?
14 to 16	What is Computer based Information System (CBIS)?
17 to 19	What is system?, Describe system components and explain two of them. Provide an example of system type and explain about it.
20, 21	Explain how the nature of open & close loop systems happen in a bookstore
22	What is cross functional co-ordination?

23, 24	Explain Components/Sub-Systems of CBIS
25	What are Data Processing Tasks?
26,27	Explain management information system with examples.
28 to 30	Explain data ware house, data mining, data mart.
31to 35	Explain expert system, knowledge intelligence system, marketing information system.
36 to 38	Explain marketing knowledge information system (MKIS)
39	What are the key tasks of Client Relationship Management (CRM)
40, 41	Explain organizational structure with examples in financial sector.
42 to 46	Explain Manufacturing Information System, Total Quality Management (TQM) and describe the Management Levels in Manufacturing Information Systems
46 to 48	Explain the Importance of Accounting & financial Information Systems in Strategic level, Knowledge Level, Management level and Operational Level
49 to 52	Describe the kinds of problems arisen & how to do decision making
53	Explain business planning

Task 3	Take the record of sound & picture from an event
Task 4	Take the digital video by using digital camera & edit/ convert to other formats by provided software

Multimedia software -1 Audio Editing Software

By using these software, you can change the audio file format, convert to mp3, divide the file, merge the file etc. Some program can work with 64 bit and some can work with 32 bit

http://www.filefactory.com/file/28pn4u5hdn8x/n/ICD-PX_Series_Driver_zip

http://www.filefactory.com/file/3u4atldal4yh/n/Sony_3_3_zip

http://www.filefactory.com/file/3uph94ke8dux/n/Sony_zip

http://www.filefactory.com/file/5mfabs7c6sw5/n/Digital_Voice_Editor_3_zip

Multimedia software -2 Video Editing Software

By using these software, you can change the video file format, convert to mp4, divide the file, merge the file , create DVD disc etc

http://www.filefactory.com/file/27znv25u36f7/n/FreeStudio_zip

http://www.filefactory.com/file/2hvsrurvkzqh/n/avimp4_converter_zip

http://www.filefactory.com/file/47yg9cqf2w3l/n/NCH_Software_zip

http://www.filefactory.com/file/4ap3rrykft0r/n/Very_good_program_to_use_zip

http://www.filefactory.com/file/4xq0sk4dtzbd/n/Video_converter_software_zip

Multimedia software -3 Digital Image compressing software

Digital images can be compressed to PDF format by using these software.

http://www.filefactory.com/file/71a3kdve4ii7/n/jpg2pdf_fullLicenced_exe

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ICT 202	Information Systems Principles and Networking	5	BAE602		ICANWK516A ICANWK532A ICANWK614A	Determine best-fit topology for a local network Identify and resolve network problems Manage IT security
ICT 203	Information Systems, Analysis and Design	5	BAE602	2	ICAPRG602A ICAICT509A ICAICT603A ICAICT608A ICAPMG606A ICAICT713A	Manage the development of technical solutions from business specifications Gather data to identify business requirements Manage the use of appropriate development methodologies Interact with clients on a business level Manage IT project quality Manage IT services
ICT 204	Advanced Programming	5	BAE601		ICAPRG527A ICAPRG501A ICAPRG505A	Apply intermediate object-oriented language skills Apply advanced object-oriented language skills Build advanced user interface

ICT 205	Project Work	5	BAE602	Core	ICAPRG506A	Manage copyright, ethics and privacy in an IT environment
ICT 206	WORK PERFORMANCE ASSESSMENT			Core	ICAPMG601A	Establish IT project governance
				Core	ICAPMG602A	*Manage IT project initiation
				Core	ICAPMG603A	*Manage IT project planning
				Core	ICAPMG604A	*Manage IT project delivery
	Total	30		Core	ICAPMG605A	*Manage IT project closure

ICT 201 Organisational Behaviour

Textbook

Organizational Behavior power points

Organizational Behavior Text book

http://www.filefactory.com/file/79ylydqahec9/Organizational_behavior.pdf

ASSIGNMENT (1)

Questions

Question No	Questions
1	**What is organizational behavior?**
2	What are three frequently used methods of collecting data in organizational behavior?
3	What are the benefits of studying organizational behaviour?
4	How do you understand **positive organizational behavior?**
5	Describe list of skills development in organizational behaviour
6	What are the features of organizational system?
7	What are the **individual differences in organization?**
8	What are generational and age-based differences?
9	Explain the Triarchic Theory of Intelligence
10	What are multiple intelligences?
11	What are **personality differences?**
12	What is **emotional intelligence?**
13	Describe the data collection and research methods in organizational behavior
14	Describe **the human relations movement**
15	Explain **positive organizational behavior**

ICT 202 Information Systems Principles and Networking

Lectures

BAE602-ICT202_203_Wk_1
BAE602-ICT202_203_Wk_2
BAE602-ICT202_203_Wk_3

References

Computer Hardware

http://www.filefactory.com/file/3m6snu0yf5lt/n/Computer_hardware_zip

Communication System Laboratory

http://www.filefactory.com/file/74pxxwu8hhnh/n/Communication_Laboratory_pdf

ASSIGNMENT (2)

Question No	Questions
1	What is computer network?
2	What is the function of wireless network card?
3	Explain server operation system
4	Describe the types of data flow.
5	Describe the organization of internet
6	Explain OSI model
7	How do you understand IP address? Explain with diagram.
8	Describe the modulation of signal
9	Describe line coding and decoding
10	Explain ASK with diagram
11	What is phase shift keying?
12	Explain frequency modulation
13	What are the modes of propagation?
14	Explain frequency hopping spread spectrum

References

Stage 4 Part 5A.zip

http://www.filefactory.com/file/c0cc4a1/n/Stage_4_Part_5A.zip

to download the followings

Network Part 1

Network Part 2

Network Part 3

Network Part 4

Click

Stage 3 Part 1B.zip

http://www.filefactory.com/file/c0ccc42/n/Stage_3_Part_1B.zip

to download the followings

Computer networking (D018)

Computer_and_Networks.zip

Develop network services (D016)

D016StudyGuide.zip

D016TheoryNotes_2.4.30-Network_infrastructure_.zip

D016TheoryNotes_2.4.31Directory_services_Part_1_.zip

D016TheoryNotes_2.4.31DirectoryServicesPart2_.zip

ADDITIONAL NOTES

D016TheoryNotesPart1.zip

D016TheoryNotesPart2.zip

Network_Practicals.zip

ICT 203 Information Systems, Analysis and Design

Lectures

http://www.filefactory.com/file/10tv95a2xqxh/n/ICT_203_Lessons_zip

Assignment (3)

Questions for Lectures

Study the slide Number from	Questions
1 to 5	What is source of information? Explain primary source, secondary source and tertiary source.
6	Describe the meaning of organization.
7 to 9	How can the quality of information be checked?
10 to 12	What are the information requirement for an organization and explain the information requirement for flat organization
13	Describe the culture of organization.
14 to 17	What are the sources of information for an organization and how technology can be utilized to get the specific information?
18	How do you understand the corporate social responsibility?
19 to 20	Compare the followings. Systems and Procedures, data and information
21	What is Computer based Information System (CBIS)?
22 to 26 & 28 to 30	Explain the followings Open loop system, closed loop system, feedback system
27	Define the followings. Strategic Planning, Tactical/Functional Planning, Operational Planning, Functional Strategic Planning

31	How do you understand Cross-Functional Co-ordination ?
32 to 33	What is information architecture and which components are included in it?
34	What are Data Processing Tasks ?
35 to 39	What is Management Information System (MIS) & what kinds of technical aspects are utilized to support MIS & decision?
40	Which techniques are used in model driven decision support system?
41	Is data driven DSS the same as model driven DSS? Why?
42 to 47	Explain the followings Data ware house, data mart, data mining, knowledge support system, artificial intelligence
48	Describe organizational structure.
50 to 52	Explain the decision making process.
53 to 55	Explain the IT planning process.
56 to 62	Explain Entity Relationship Diagram (ERD)of System Design in the following aspects Design of data base, Design of the User Interface, Physical Design, Design of the Hardware/ Software Platform, Procedures Development, Procedures Development, Testing
63 to 67	Write the detailed explanation of Object Oriented Analysis and Design
68	What is Business Process Reengineering?
69 to 74	How will you organize the information security in your organization?

Part (2) Question for readings

From the above reading, what knowledge do you absorb. Describe it by 2000 words.

ICT 204 Advanced Programming

Lectures

BAE601-ICT 103+104+204 Week 2 Lesson Part 3

Readers

(R179)structured-programming-with-c-plus-plus_pdf
http://www.filefactory.com/file/26stkfcfaukj/n/structured-programming-with-c-plus-plus_pdf

http://www.filefactory.com/file/6ck9zw25w35p/structured-programming-with-c-plus-plus.pdf

(211)/visio-2007_pdf
http://www.filefactory.com/file/4shpdcmgb6td/n/visio-2007_pdf

http://www.filefactory.com/file/1aauabjz28fp/visio-2007.pdf

(222)object-oriented-programming-using-c-sharp_pdf
http://www.filefactory.com/file/5gkn3yfop60p/n/object-oriented-programming-using-c-sharp_pdf
http://www.filefactory.com/file/5cz6zi5kyn2v/object-oriented-programming-using-c-sharp.pdf

Assignment (4)

Program

(1) Write the C++ program to determine the average
(2) Write C++ program to accomplish the following tasks

- Tax is 5%
- 10% discount for purchasing over $3000
- 5% discount for purchasing over $1000 or quantities more than 50
- Final price should include appropriate discount & tax

(3)Write C++ program which reads quantity and unit price of a product from the user and the name of the user. The program needs to calculate the total price of the product and print a personal price note on the screen.

(4)Write a C++ program to store 30 inventories in a store that includes the product name, quantity in the store, price and supplier in table.

Lectures

BAE601-ICT 103+104+204 Wk 3 Lessons Part 2

BAE601-ICT 103+104+204 Wk 3 Lessons Part 2

Reference Slides

BAE601-ICT 103+104+204 Wk 3 Lessons Part 1

BAE601-ICT 103+104+204 Wk 3 Lessons Part 1

Also view the reference slides containing the features of VB

Readers

(R183)introduction-to-programming-in-visual-basic-6-0_pdf
http://www.filefactory.com/file/2e4r2noib70t/n/introduction-to-programming-in-visual-basic-6-0_pdf

http://www.filefactory.com/file/2jzpvo2ogo09/introduction-to-programming-in-visual-basic-6-0.pdf

Assignment (5)

Program (1)

Study the example VB program (Making Pizza) included in the slides and referring the principle & idea included in the program in all slides, you need to write the following Visual Basic program.

The above is the VB program explained in lecture. Referring the programming principles presented in the program, you write a customer order taking program to fulfil the following aspects

Company Name- Mega Electrical Products

Customer Name, Phone Number, E mail address are to be included.

The customer will need to choose two option to purchase the products.

(1) Mail order by parcel
(2) Delivery by courier

The postal address for mail order and delivery by courier for street address are to be recorded.

The customer can select several electrical, electronics and computer equipments. You can name 10 electrical/ electronics products and 10 computer products.

Preference of dispatch are to be included. There will be one of two options to be selected They are

(1) Normal dispatch
(2) Priority dispatch

You need to type the coding on Word file & send it by e-mail.

Lectures

BAE601-ICT 103+104+204 Wk 3 Lessons Part 3

Assignment (6)

Program

ICT 205 Project Work

C # Programming

Introduction

http://www.filefactory.com/file/4nkx66h5o88h/n/Part1_1_pdf
http://www.filefactory.com/file/6dlohpohof9l/n/Lesson_1_-_Introduction_to_Programming_1_pdf

Programmer Reference

http://www.filefactory.com/file/6mmpk77zvnc1/n/23759_A_Programmers_Introduction_to_Csharp_1_pdf

+

ICT 206 Work Performance

Lectures

EE309 Part 1 **EE309 Part 2** **EE309 Part 3** **EE309 Part 4**

Project Management in Information Technology

ASSIGNMENT (6) Project Submission

ICAPRG506A	Manage copyright, ethics and privacy in an IT environment
ICAPMG601A	Establish IT project governance
ICAPMG602A	*Manage IT project initiation
ICAPMG603A	*Manage IT project planning
ICAPMG604A	*Manage IT project delivery
ICAPMG605A	*Manage IT project closure

Bachelor of Applied Science
(Computer Science & Computer Technology)
Study Guide (Part 1)
YEAR (3)

Unit	Topics	Reference	Points
ICT 301	General Electrical Knowledge	EE101	3

Unit Code: EE101	DC Circuit Problems
Teaching Video	E003+E004 Videos The links contain the following lessons E003+E004 Lesson 1 DC series circuit E003+E004 Lesson 2 DC parallel circuit E003+E004 Lesson 3 DC Parallel circuit problems E003+E004 Lesson 4 DC series parallel circuit 1 E003+E004 Lesson 5 DC series parallel circuit 2 E003+E004 Lesson 6 Lamp and resistor circuit E003+E004 Lesson 7 Wheatstone bridge
Writing on whiteboard+Audio	E003+E004 Writing+Audio
Exercise	EXERCISES Page 77 to 81
Theory Practice Test	E003+E004 E003+E004 MCQ Practice 1 E003+E004 MCQ Practice 2 E003+E004 MCQ Practice 3
Practical Practice	Study the practical equipments , the names of equipments and their applications. Follow the instruction. Theory & Practical Instruction

	Equipments Open the file in the following link. Practical Guide On page 2 , you will see the names of equipments. Then refer the following link to match with the equipments in the following link. Practical Equipments Practical equipments for online lab **Diagrams** Example Diagram Circuit Example Diagram Worksheet **Assessment** The teacher can give the photo of the equipment and ask the student to interpret **Interpreting the equipment practice** Equipments Interpretation Practice 1 Equipments Interpretation Practice 2
Reference Resources + Textbooks	DC_Circuit_E003_E004.zip Stage 1 Part 1.zip http://www.filefactory.com/file/c0cb8ab/n/Stage_1_Part_1.zip
Australian Curriculum Units	
UEENEEE104A	Solve problems in d.c. circuits

For the students in Myanmar

EE101 DC Circuit Problems

Lesson 1 Lesson 2 Lesson 3

Test & Assessment

http://www.filefactory.com/file/58r3nfe1qieh/n/E003_E004_Online_Test_1_Question_pdf

http://www.filefactory.com/file/796n6fdurdij/n/E003_E004_Online_Test_1_Answer_doc

Do the tests and send the answer sheet in soft copy by e-mail to
iqytechnicalcollege@gmail.com

Unit	Topics	Reference	Points
ICT 302	Digital Electronics	EE209/H012	3
ICT 303	Amplifier	EE208/H013	3

Unit Code: EE115	Basic Analogue & Digital Electronics
Teaching Video	**DC Power supplies** H011 Lesson 1 DC Power supply principle.zip H011 Lesson 2 Load regulation.zip H011 Lesson 3 Current limiter.zip **Amplifier** H013 Lesson 1 Amplifier model.zip H013 Lesson 2 Amplifier biasing.zip H013 Lesson 3 Amplifier configuration.zip H013 Lesson 4 Amplifier parameters.zip H013 Lesson 5 JFET.zip **Digital Electronics** I006 Lesson 5+H012 Lesson 3 Number system.zip I006 Lesson 6+H012 Lesson 4 Binary substraction.zip I006 Lesson 7+H012 Lesson 5 Endecoder+Decoder.zip I006 Lesson 8+H012 Lesson 6 SR Flipflop.zip I006 Lesson 9+H012 Lesson 7 Shift register+Data latches.zip I006 Lesson 10+H012 Lesson 8 Counter.zip I006 Lesson 11+H012 Lesson 9 Display.zip
Writing on whiteboard+Audio	Amplifier+Power Supply+Digital H011+H012+H013.zip
Exercise	EXERCISES Page 207 to 212
Theory Practice Test	**H011** H011 MCQ Practice 1 H011 MCQ Practice 2 **H013** H013_MCQ Practice 1 H013_MCQ Practice 2
Practical Practice	**Circuit Connection Assessment Number_3-2 Amplifier Gain** http://www.filefactory.com/file/1ufyhhdtxvnd/n/Practical_Semester_1_A_pdf http://www.filefactory.com/file/2xikhzj6xuzx/n/3-2_pdf http://www.filefactory.com/file/33ntwrs3o7e3/n/3_2_xls http://www.filefactory.com/file/57di74j6zk7p/n/3_2_doc **Circuit Connection Assessment Number_3-7 Three Terminal Regulator**

	http://www.filefactory.com/file/1ufyhhdtxvnd/n/Practical_Semester_1_A_pdf http://www.filefactory.com/file/65maa6x3hkzj/n/3_7_doc http://www.filefactory.com/file/75znot255nq7/n/3_7_xls http://www.filefactory.com/file/1u8jqxxi95tp/n/3-7_pdf **Circuit Connection Assessment Number 6-1 Class A B Rectifier** Class_A-B_Amplifier http://www.filefactory.com/file/52bujy6mxnvf/n/6-1_pdf http://www.filefactory.com/file/650fxy60dm2z/n/6_1_doc http://www.filefactory.com/file/72af0kxilwf3/n/Class_A-B_Amplifier_pdf Amplifier1_2Practical Amplifier_current_gain **Circuit Connection Assessment Number 6-12 Mini Lab** http://www.filefactory.com/file/42e878f0kjgd/n/H045Day3Practical_pdf http://www.filefactory.com/file/7hr25f7o5an9/n/6-12_pdf http://www.filefactory.com/file/5mbfi4xigxf1/n/6_12_doc
	Additional 3.zip http://www.filefactory.com/file/c0cb6a8/n/Additional_3.zip AG Additional Amplifier Additional 4.zip http://www.filefactory.com/file/c0cb65c/n/Additional_4.zip DE
Australian Curriculum Units	
UEENEEH111A	Troubleshoot single phase input d.c. power supplies
UEENEEH102A	Repair basic electronic apparatus faults by replacement of components

For the students in Myanmar

EE115 Basic Analogue & Digital Electronics

EE116 Process Control System

Lesson 1 Lesson 2 Lesson 3 Lesson 4 Lesson 5 Lesson 6 Lesson 7
Lesson 8 Lesson 9 Lesson 10

Test & Assessment

http://www.filefactory.com/file/46zzpcym7uqz/n/I006_H012_Online_Test_1_Question_pdf

http://www.filefactory.com/file/4e2chw2sf343/n/I006_H012_Online_Test_1_Answer_doc

Do the tests and send the answer sheet in soft copy by e-mail to
iqytechnicalcollege@gmail.com

Unit	Topics	Reference	Points
ICT 304	Material Science	E081	3

E081 Material Science
T1 Solid Liquid & Gases Solid
T2 Dielectric Strength Dielectric Strength of Solids
Dielectric Strength of Solid Liquid & Gases
T3 Conductors & Semi Conductors
T4 Chemical Effect on materials
T5 Atomic Construction of Materials Advanced Theory 1 Advanced Theory 2
T6 Non metallic materials

T7 ME 205 Manufacturing Processes-and-Materials

Manufacturing Processes-and-Materials

E081 Tutorials
For the students in Myanmar
EE307 Part 1 EE307 Part 2 EE307 Part 3 EE307 Part 4 EE307 Part 5 EE307 Part 6
Test & Assessment Submit the solar energy design project

Unit	Topics	Reference	Points
EE204	Physics	E046	3

Unit Code: EE204	**Engineering Physics**
Teaching Video	E046Part 1.zip E046Part 2.zip E046Part 3.zip
Writing on whiteboard+Audio	Physics-E046 Part 1.zip http://www.filefactory.com/file/c0b68a1/n/Physics-E046_Part_1.zip Physics-E046 Part 2
Exercise	Click HERE to download G037+G038+G039+E046 Exercises
Theory Practice Test	**E046** E046 MCQ Practice 1 E046 MCQ Practice 2

	E046 MCQ Practice 3 E046 MCQ Practice 4
Australian Curriculum Units	
UEENEEE082A	**Apply physics to solving electrotechnology engineering problems**

For the students in Myanmar

EE204 Engineering Physics

EE204 Part 1 EE204 Part 2 EE204 Part 3 EE204 Part 4 EE204 Part 5

EE204 Part 6

Test & Assessment

http://www.filefactory.com/file/13o82qnudgr3/n/E046_Online_Test_1_Question_pdf

http://www.filefactory.com/file/6o2lsbtge7tt/n/E046_Online_Test_1_Answer_doc

Do the tests and send the answer sheet in soft copy by e-mail to
iqytechnicalcollege@gmail.com

Unit	Topics	Reference	Points
EE201	Mathematics 1	E050	3

Unit Code: EE201	**Engineering Mathematics**
Teaching Video	E050Part1.zip E050 Lesson 7 Mensuration+Area.zip E050 Lesson 8 Differentiation.zip E050 Lesson 9 Integration.zip E050 Lesson 10 Integration of trigo functions.zip E050 Lesson 11 Definite integral+Electrical application.zip E050 Lesson 11 Exercises.zip
Writing on whiteboard+Audio	Maths 1-E050+G047.zip
Exercise	E050_Tutorial.zip EXERCISES Page 39 to 64
Theory Practice Test	**E050**

	E050 MCQ Practice 1 E050 MCQ Practice 2 E050 MCQ Practice 3 R050 MCQ Practice 4
Reference Resources + Textbooks	E050MathsCal1 E050MathsCal2 E050Maths3 E050Maths4 E050MathsCalTextBook
Australian Curriculum Units	
UEENEEE126A	**Provide solutions to basic engineering computational problems**
UEENEEE050B	**Undertake computations in an electrotechnology environment**

For the students in Myanmar

EE201 Engineering Mathematics

EE201 Part 1 EE201 Part 2 EE201 Part 3 EE201 Part 4

Test & Assessment

http://www.filefactory.com/file/5ho7s6h0svhv/n/E050_Online_Test_1_Answer_doc

http://www.filefactory.com/file/6dqo87kdsorz/n/E050_Online_Test_1_Question_pdf

Do the tests and send the answer sheet in soft copy by e-mail to
iqytechnicalcollege@gmail.com

Unit	Topics	Reference	Points
EE202	Mathematics 2	E026	3

Unit Code: EE302	**Advanced Engineering Mathematics**
Teaching Video	Advanced Engineering Maths Video
Writing on whiteboard+Audio	Maths 2-E026.zip
Exercise	EXERCISES Page 18 to 29
Theory Practice Test	**E026** E026 MCQ Practice 1 E026 MCQ Practice 2 E026 MCQ Practice 3
Reference Resources + Textbooks	E026_Maths_1 E026_6032H_1 E026_6032H
Australian Curriculum Units	
UEENEEE127A	**Use advanced computational processes to provide solutions to energy sector engineering problems**

For the students in Myanmar

EE302 Advanced Engineering Mathematics

EE302 Part 1 EE302 Part 2 EE302 Part 3 EE302 Part 4

http://www.filefactory.com/file/5l9fpcclhjzp/n/E026_Online_Test_3_Question_pdf

http://www.filefactory.com/file/64ccdiiuf0ax/n/E026_Online_Test_3_Answer_doc

Do the tests and send the answer sheet in soft copy by e-mail to
iqytechnicalcollege@gmail.com

Unit	Topics	Reference	Points
EE306	Basic Control	I008	3

Unit Code: EE306	Electro-mechanical Control
Teaching Video	
Writing on whiteboard+Audio	I020 Part 1 I020 Part 2
Exercise	EXERCISES Page to
Theory Practice Test	
Practical Practice	
Reference Resources + Textbooks	PID.zip I008I020D034F014DataCommA.zip I008I020D034F014DataCommB.zip I008I020D034F014DataCommC.zip Microprocessor_Notes_upload.zip Microprocessor_Textbook_to_upload.zip Microprocessor_References_to_upload.zip http://kyawnaing325.zoomshare.com/files/6/DigitalElectronics.htm http://kyawnaing325.zoomshare.com/files/6/7794CD-DigitalElectronics.htm
Australian Curriculum Units	
UEENEEI129A	**Set up electronically controlled mechanically operated complex systems**

For the students in Myanmar

EE306 Electro-mechanical Control

The students can study Programming language

Unit	Topics	Reference	Points
BAE605	Management		3

Management + Organization

Mgt 502 Operation Management (1 pt)

Mgt 503 Production & Operation Management (1 pt)

Operation Management

Part 1 Part 2 Part 3 Part 4 Part 5 Part 6

Part 7 Part 8 Part 9 Part 10 Part 11 Part 12

Part 13 Part 14 Part 15 Part 16 Part 17 Part 18

Unit	Topics	Reference	Points
BAE408	Analog & Digital Electronics		3

Online Tutoring

BAE 408

BAE408 Week 1 Lesson

BAE408 Week 2 Lesson

BAE408 Week 3 Lesson

WEEK (4) REVIEW + TEST & ASSESSMENT FOR BAE408

BAE 408 Analogue & Digital Electronics (5 pt)

Subjects	Points	Competency Units
BAE 408 Analogue & Digital Electronics	5	EE 403 Introduction to Electronic Engineering (1 pt) EE 524 Power Electronics & Applied Electronics (1 pt) EE 405 Digital System (1 pt) EE 526 Digital Signal Processing (1 pt) EE 527 Digital Image Processing 1/ 2 (1 pt)

Part 1 Over all Knowledge of the subject

BAE 408 Analogue & Digital Electronics

Part 2 Competency units of the subject

EE 403 Introduction to Electronic Engineering (1 pt)
EE 524 Introduction to Power Electronics (1 pt)
EE 524 Power Electronics
EE 524 Applied Electronics
Digital Electronics
EE 405 Digital System (1 pt)
EE 526 Digital Signal Processing (1 pt)
EE 527 Digital Image Processing 1 (1 pt)
EE 527 Digital Image Processing 2

BAE 408 Analogue & Digital Electronics (5 pt)

Folder				BAE 408 Analogue & Digital Electronics
File				Electrical & Electronic Engineering.zip / Introduction to Electronic Engineering
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	17	to	63	Semi conductor devices
	128	to	135	Digital circuits
Exercise	Q459	to	Q467	of Assignment (30)

Folder				BAE 408 Analogue & Digital Electronics
File				Electrical & Electronic Engineering.zip / Introduction to Power Electronics
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	14	to	101	Power Electronics Converters
Exercise	Q468	to	Q476	of Assignment (30)

Part (2) Competency Units

EE 403 Introduction to Electronic Engineering (1 pt)

EE 524 Power Electronics & Applied Electronics (1 pt)

EE 405 Digital System (1 pt)

EE 526 Digital Signal Processing (1 pt)

EE 527 Digital Image Processing 1/ 2 (1 pt)

Folder				EE403 Introduction to Electronic Engineering (1 pt)
File				EE403 Introduction to Electronic Engineering
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	66	to	128	Electronics Circuits
Exercise	Q477	to	Q488	of Assignment Number (31)

Folder				EE524 Introduction to Power Electronics (1 pt)
File				EE524 Introduction to Power Electronics
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	76	to	117	Power Electronics Control
Exercise	Q489	to	Q493	of Assignment Number (32)

References

EE524 Applied Electronics Book 1-Electronics Companion Book 2-Electronics Design

Folder				EE405 Digital System (1 pt)
File				EE405 Digital System Design
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	9	to	15	Number system basics
	19	to	32	Introduction to logic gates
	33	to	43	Combinational logic
	47	to	51	Karnaugh map
	67	to	84	Arithmetic circuit

	98	to	111	Coders/ Multiplexers
	114	to	123	Counters
Exercise	Q494	to	Q511	of Assignment Number (33)

Folder				EE526 Digital Signal Processing (1 pt)
File				EE526 Digital Signal Processing
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	1	to	13	Signal system representation
	14	to	26	Fourier/ Z Transform
	27	to	34	Discrete Fourier Transform
	43	to	51	Principle of filter design
	52	to	58	FIR filter design
Exercise	Q512	to	Q517	of Assignment Number (34)

Folder				EE527 Digital Image Processing (1 pt)
File				EE527 Digital Image Processing Part 1
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	9	to	19	Introduction
	21	to	36	Intensity transformation & spatial filtering
	38	to	40	Filtering in frequency domain
	43	to	44	Discrete Fourier Transform
	49			Butterworth Low Pass Filter
	51			Butterworth High Pass Filter
	58			Image restoration / Noise analysis
Exercise	Q518	to	Q524	of Assignment Number (35)

EXERCISES

Bachelor of Applied Engineering (Electrical) Exercise Part (1) Theory

Bachelor of Applied Engineering (Electrical) Exercise Part (2A) Problems

Bachelor of Applied Engineering (Electrical) Exercise Part (2B) Problems

Bachelor of Applied Science
(Computer Science & Computer Technology)
Study Guide (Part 2)
YEAR (4)

Unit	Topics	Reference	Points
ICT 401	Advanced Mathematics 1	BAE401	3

Onlne Tutoring

BAE 401

BAE401 Week 1 Lesson All

BAE 401 Week 1 Lesson Part 1 Part 2 Part 3 Part 4 Part 5 Part 6

BAE401 Week 2 Lesson All

BAE401 Week 3 Lesson All

WEEK (4) REVIEW + TEST & ASSESSMENT FOR BAE401

BAE 401 Advanced Engineering Mathematics (9 pt)

Subjects	Points	Competency Units
BAE 401 Advanced Engineering Mathematics	9	Maths 301 Introduction to Complex Variables (1 pt) Maths 302 Elementary Linear Algebra (1 pt) Maths 401 Continuous Distributions (1 pt) Maths 402 Discrete Distributions (1 pt) Maths 403 Engineering Mathematics (1 pt) Maths 501 Introduction to Probability(1 pt) Maths 501 Linear Algebra & Matrices (1 pt) Maths 502 Finite Difference Methods for Partial Differential Equations & Mathematical Modelling (1 pt) Maths 601 Random Variables (1 pt)

Part 1 Over all Knowledge of the subject

BAE 401 Advanced Engineering Mathematics

Part 2 Competency units of the subject

Maths 301 Introduction to Complex Variables (1 pt)
Maths 302 Elementary Linear Algebra (1 pt)
Maths 401 Continuous Distributions (1 pt)
Maths 402 Discrete Distributions (1 pt)
Maths 403 Engineering Mathematics (1 pt)
Maths 403 Engineering Mathematics Exercises
Maths 501 Introduction to Probability(1 pt)
Maths 501 Linear Algebra 1 (1 pt)
Maths 501 Linear Algebra 2
Maths 501 Linear Algebra & Matrices
Maths 502 Introductory Finite Difference Methods for Partial Differential Equations (1 pt)
Maths 502 Mathematical Modelling
Maths 601 Random Variables (1 pt)

Part (1) Overview Knowledge of the subject

Folder				BAE 401 Advanced Engineering Mathematics
File				An Introduction to theory of complex variables
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
1	12	to	16	Complex numbers
2	20	to	26	Functions
3	29	to	38	Differentiability
4	42	to	46	Integration in the complex plane
5	53	to	66	Integral theorems
6	71	to	73	Power series
	156	to	159	Introduction of rational functions of trigonometric functions.
Exercise	Q 1	to	Q8	of Assignment Number (1)

Folder				BAE 401 Advanced Engineering Mathematics
File				Continuous distribution
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
2	7	&	20	Exponential distribution
3	9	&	31	Normal distribution

6	13	&	83	Gamma distribution
8	122			Convergence in distribution
10	127			F distribution
Exercise	Q 9	to	Q13	of Assignment Number (1)

Folder				BAE 401 Advanced Engineering Mathematics
File				Discrete distribution
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
2	6	&	12	Binomial distribution
3	8	&	26	Poisson distribution
Exercise	Q 14	to	Q16	of Assignment Number (1)

Folder				BAE 401 Advanced Engineering Mathematics
File				Elementary linear algebra
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	27			Algebra in F^n Example problems
	30			Geometric meaning of vectors
	31			Geometric meaning of vector addition
	33			Distance between points in Rn Length of vector
	37			Geometric meaning of scalar multiplication
	47			Dot product
	54			Cross product
	73			System of equation geometry
	76			System of equation – Algebric operation
	97			Matrice arithmetic
	125			Determinants –Basic technique & properties
Exercise	Q 17	to	Q34	of Assignment Number (1)

Folder				BAE 401 Advanced Engineering Mathematics
File				Integration and differential equations
				Instruction

				Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	10			List of integrals
	12	to	14	Introduction to background
	19	to	24	Theorem of integration
	32			Improper integrals
	33	to	37	Improper integral problems
	38	to	40	Integration of rational functions
	63	to	65	Differential equations
	67	to	68	First order ordinary differential equations
	69	to	72	Homogenous equations
	73	to	77	The general linear equations
Exercise	Q 35	to	Q47	of Assignment Number (1)

Folder				BAE 401 Advanced Engineering Mathematics
File				Random variables
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	20			Simple introduction examples
	21			Problems
	22			Frequency and distribution functions in 1 dimension
Exercise	Q 48	to	Q51	of Assignment Number (1)

Folder				BAE 401 Advanced Engineering Mathematics
File				Mathematical modelling preliminary
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	7			Introduction
	9	to	11	Discrete time model
	12	to	13	Example problems
Exercise	Q 52	to	Q53	of Assignment Number (1)

Folder				BAE 401 Advanced Engineering Mathematics
File				Elementary linear algebra
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	27			Algebra in F^n Example problems
	30			Geometric meaning of vectors
	31			Geometric meaning of vector addition
	33			Distance between points in Rn Length of vector
	37			Geometric meaning of scalar multiplication
	47			Dot product
	54			Cross product
	73			System of equation geometry
	76			System of equation – Algebric operation
	97			Matrice arithmetic
	125			Determinants –Basic technique & properties
Exercise	Q 17	to	Q34	of Assignment Number (1)

Part (2) Competency Units

Maths 301 Introduction to Complex Variables (1 pt)
Maths 302 Elementary Linear Algebra (1 pt)
Maths 401 Continuous Distributions (1 pt)
Maths 402 Discrete Distributions (1 pt)
Maths 403 Engineering Mathematics (1 pt)
Maths 501 Introduction to Probability(1 pt)
Maths 501 Linear Algebra & Matrices (1 pt)
Maths 502 Finite Difference Methods for Partial Differential Equations & Mathematical Modelling (1 pt)
Maths 601 Random Variables (1 pt)

Folder				Maths 301 Introduction to Complex Variables (1 pt)
File				Maths 301 Introduction to Complex Variables
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	80			The residue Theorem
	83			Example 32
	84	to	86	Example 33

	87			Example 34
	93			Fourier Transform
	95			Example 36
	96			Example 37
	96			Example 38
	107	to	108	Integral theorem of complex analysis with applications to the evaluation of real integral
	110			Introduction
	111			Example 1
	113			Integral theorems – The green Theorem
	114			Cauchy's integral theorem
	114	to	115	Example 2
	116	to	119	Example 3, 4, 5
	120	to	123	Cauchy's residue theorem
Exercise	Q 52	to	Q58	of Assignment Number (2)

Folder				Maths 302 Elementary Linear Algebra (1 pt)
File				Maths 302 Elementary Linear Algebra
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	134			A formula for the inverse
	138			Cramer's rule
	135	to	141	Example 6.2.3 , 6.2.4 , 6.2.6, 6.2.7
	165	to	169	Rank of a matrix
	177	to	182	Example 8.2.9 , 8.2.10, 8.3.3 , 8.3.5, 8.3.6, 8.3.7, 8.3.8
	182	to	186	Linear independence and bases Example 8.4.6, 8.4.7,
	193	to	194	Example 8.4.21, 8.4.22, 8.4.24
	211	to	212	Linear transformation
	214			Constructing the matrix of a linear transformation
	215	to	216	Example 9.2.3 , 9.2.4
	223			Example 9.2.14
	249	to	250	Linear programming
	253			Example 11.2.2
	255			Example 11.2.3
Exercise	Q 59	to	Q65	of Assignment Number (3)

Folder	Maths 401 Continuous Distribution (1 pt)
File	Maths 401 Continuous Distribution

				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	126			X^2 Distribution
	127			F Distribution
	130			F Distribution & " t " Distribution
	126			Example 9.1
	127			Example 10.2
	130			Example 11.1
	121			Estimation of parameters
	131			Example 12.1
	133	to	134	Example 12.2
Exercise	Q 66	to	Q68	of Assignment Number (4)

Folder				Maths 402 Discrete Distribution (1 pt)
File				Maths 402 Discrete Distribution
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	33			Geometric distribution
	33	to	39	Example 4.1, 4.2, 4.3, 4.4, 4.5, 4.6
	51			Pascal distribution
	51			Example 5.1
	54			Negative binomial distribution
	54			Example 6.1
	56			Hyper geometric distribution
	56			Example 7.1
Exercise	Q 69	to	Q72	of Assignment Number (5)

Unit				Maths 403 Engineering mathematics (1 pt)
Folder	File			Maths 303 Essential Engineering Mathematics
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary

	23			Vectors and matrices
	30	&	35	Example problems
	39	to	48	Functions and limits , Example problems
	51	to	69	Calculation of one variable (Part 1) Differentiation, Example problems
	79	to	105	Calculation of one variable (Part 1) Integration, Example problems
	111	to	121	Calculus of many variables, Example problems
	123	to	126	Ordinary differential equations, Example problems
	134	to	142	Complex function theory , Example problems
Exercise	Q 73	to	Q90	of Assignment Number (6)

Folder				Maths 501 Introduction to probability (1 pt)
File				Maths 501 Introduction to probability
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	6	to	8	Theoretical background
	9			Example 2.1, 2.2
	12	To7.1	18	Example 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7
	19			Playing card
	20	to	23	Example 4.2. 4.3, 4.4, 4.5
	35			Binomial distribution
	35	to	37	Example 6.1, 6.2, 6.3
	38			Lotto Example
	42			Conditional probabilities –Baye's formula
	42	to	43	Example 10.1, 10.2, 10.3
Exercise	Q 91	to	Q94	of Assignment Number (7)

Folder		Maths 501 Linear algebra and matrices (1 pt)
File		Maths 501 Linear algebra and matrices
		Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page	Topics
		Note- PDF File page number and the page number of the scanned document may be different. The student need to

				check both as necessary
	47			Linear transformation matrices
	48	to	49	Definition 2.1.1 to 2.1.3
	50			Example 2.1.4
	51			Example 2.1.6
	52	to	53	i j Entry of product Definition 2.1.8
	54			Example 2.1.9
	55			Example 2.1.11
	58			Example 2.1.14
	62			Example 2.1.24 , 2.1.26
	64			Example 2.1.27
	65			Example 2.1.28
	122			Rank of matrices
	137	to	139	Row operations
	145			Example 4.2.5
	146			Example 4.2.6
Exercise	Q 95	to	Q98	of Assignment Number (8)

Folder				Maths 502 Introductory Finite Difference Method for PDE (1pt)
File				Maths 502 Introductory Finite Difference Method for PDE
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	10	to	15	Partial differential equations. Example problems
	17	to	30	Taylor theorem
	42			Iterative solution methods
	43			Jacobi Iteration
	45			Gauss Seidel Iteration
	47			Successive Relaxation method
Exercise	Q 99	to	Q108	of Assignment Number (9)

Folder				Maths 601 Random Variables (1 pt)
File				Maths 601 Random Variables
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary

	6	to	14	Theoretical results
	20	to	34	Frequencies and distribution (1 dimension)
	75	to	82	Function of random variables
Exercise	Q109	to	Q115	of Assignment Number (10)

Unit	Topics	Reference	Points
ICT 402	Advanced Mathematics 2	BAE402	3

Online Tutoring

BAE 402

BAE402 Week 1 Lesson

BAE 402 Week 2 Lesson

BAE 402 Week 3 Lesson

BAE 402 Calculus (3 pt)

Subjects	Points	Competency Units
BAE 402 Calculus	3	Maths 304 Integration and Differential Equations. (1 pt) Maths 403 Second Order Ordinary Differential Equations (1 pt) Maths 303 Engineering Mathematics (1 pt)

Part 1 Over all Knowledge of the subject

BAE 402 Calculus

Part 2 Competency units of the subject

Engineering Maths+Calculus
Maths 304 Integration and Differential Equations. (1 pt)
Maths 403 Second Order Ordinary Differential Equations (1 pt)
Maths 303 Essential Engineering Mathematics (1 pt)

BAE 402 Calculus (3 pt)

Part (1) Overview Knowledge of the subject

Folder	BAE 402 Calculus
File	Calculus 1 a .pdf

				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	50	to	57	Differentiation, Example problems
	58	to	76	Integration, Example problems
	79	to	96	Simple differential equations, Example problems
Exercise	Q116	to	Q122	of Assignment Number (11)

Folder				BAE 402 Calculus
File				Calculus 2 a .pdf
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	8			Integration of trigonometric polynomials
	11			Complex decomposition of a fraction between two polynomials
	17			Chain rule
	19			Calculation of the directional derivatives
	29			An overview of integration in the plane and in the space
	44			Line integrals
	46			Surface integral
	70			Green's theorem in the plane
Exercise	Q123	to	Q127	of Assignment Number (11)

Folder				BAE 402 Calculus
File				Calculus 2b 1.pdf
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	7			The range of functions in several variables
	37			Line integral
	51			Space integral
	66			Line integral

Exercise	Q128	to	Q138	of Assignment Number (11)

Additional Study

Calculus 2 C (2) , Calculus 2 C (3) , Calculus 2 C (4), Calculus 2 C (5) , Calculus 2 C (6) , Calculus 2 C (7) Calculus 2 C (8) , Calculus 2 C (9), Calculus 2 C (10)

Folder				BAE 402 Calculus
File				Calculus 3b. pdf
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	66	to	88	Power series method in solution of problems, Example problems
Exercise	Q139	to	Q142	of Assignment Number (11)

Folder				BAE 402 Calculus
File				Calculus 3C 1. pdf
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	6			Sequence in general Example 1.1 to 1.14
Exercise	Q143	to	Q150	of Assignment Number (11)

Folder				BAE 402 Calculus
File				Calculus 4C 1. pdf
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the

				scanned document may be different. The student need to check both as necessary
	6			Sum function of Fourier series
	62			Fourier series and uniform convergence Example 2.1 to 2.10
Exercise	Q151	to	Q155	of Assignment Number (11)

Additional Study

Calculus 3 C (1) , Calculus 3 C (2) , Calculus 3 C (3), Calculus 3 C (4) , Calculus 4 b , Calculus 4 C (1) Calculus 4 C (2) , Calculus 4 C (3)

Part (2) Competency Units

Maths 304 Integration and Differential Equations. (1 pt)

Maths 403 Second Order Ordinary Differential Equations (1 pt)

Maths 303 Engineering Mathematics (1 pt)

Folder				Maths 303 Engineering Mathematics (1 pt)
File				Maths 303 Engineering Mathematics
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	12	to	35	Introduction and background
	38	to	48	Integration of rational functions
	49	to	56	Integration of trigonometric functions
	62	to	73	Differential equations
Exercise	Q156	to	Q178	of Assignment Number (12)

Folder				Maths 403 Second Order Differential Equations (1 pt)
File				Maths 403 Second Order Differential Equations
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	13	to	16	Power series solutions
	39	to	46	Bessel equations and Bessel functions
	49	to	51	Legendre polynomials

	62	to	73	Differential equations
Exercise	Q179	to	Q185	of Assignment Number (13)

Unit	Topics	Reference	Points
BAE604	Telecommunication System		3

Online Tutoring

Subjects	Points	Competency Units
BAE 604 Telecommunication Engineering	2	EE 525 Data Communication (1 pt) EE 603 Electronics Telecommunication (1 pt)

Part 1 Over all Knowledge of the subject

BAE 604 Telecommunication Engineering

Part 2 Competency units of the subject

EE 525 Data Communication (1 pt)

EE 603 Electronics Telecommunication (1 pt)

Part (1) Overview Knowledge of the subject

Folder		BAE 604 Telecommunication Engineering
File		H046 Telecom Note 1
		Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated

File name	Chapter	Page			Topics Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
Week 1			All		Communication fundamental
Week 2			All		Information & bandwidth
Week 3			All		Amplitude modulation transmission
Week 4			All		Amplitude modulation reception
Week 5			All		Single side banded communication

File		H046 Telecom Note 2			
		Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated			
File name	Chapter	Page			Topics Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
Week 6			All		Frequency modulation –Transmission
Week 7			All		Frequency modulation –Reception
Week 8			All		Communication Techniques
Week 9			All		Communication Receivers
Week 10			All		Pulse Modulation

File		H046 Telecom Note 3			
		Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated			
File name	Chapter	Page			Topics Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
Week 11			All		Code transmission
Week 12			All		ISDN
Week 13			All		Transmission lines
Week 14			All		Wave propagation
Week 15			All		Antenna
Week 16			All		Fibre optics
Exercise	Q989	to	Q1026		of Assignment (72A)

Part (2) Competency Units

EE 525 Data Communication (1 pt) EE 603 Electronics Telecommunication (1 pt)

Folder				EE 525 Data Communication (1 pt)
File				EE 525 Data Communication
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	2	to	14	Overview of data communication
	15	to	28	Data terminals
	31	to	40	Massage and transmission channels
	41	to	60	Asynchronous modems and interfaces
	61	to	75	Synchronous modem and digital transmission
	88	to	101	Protocol and error control
Exercise	Q1027	to	Q1034	of Assignment Number (72B)

Folder				EE 608 Electronics Telecommunication (1 pt)
File				EE 608 Electronics Telecommunication
				Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	349	to	354	RF Transmission
	355	to	360	Transmission Lines & Antennas
	309	to	316	Video signals
Exercise	Q1035	to	Q1043	of Assignment Number (73)

Unit	Topics	Reference	Points
BAE508	Project Management		3

BAE 508 Industrial Engineering & Industrial Management (1 pt)

Subjects	Points	Competency Units
BAE 508 Industrial Engineering & Industrial Management	1	Mgt 501 Basic Management & Communication Skills (1 pt)

Part 1 Over all Knowledge of the subject

BAE 508 Industrial Engineering & Industrial Management

Part 2 Competency units of the subject

Mgt 501 Communication Skills
Mgt 501 Basic Management (1 pt)
Mgt 501 Management Brifes
Management + Organization
Mgt 502 Operation Management (1 pt)
Mgt 503 Production & Operation Management (1 pt)

Operation Management

Part 1 Part 2 Part 3 Part 4 Part 5 Part 6

Part 7 Part 8 Part 9 Part 10 Part 11 Part 12

Part 13 Part 14 Part 15 Part 16 Part 17 Part 18

Mgt 504 Project Management (1 pt)
Mgt 505 Quality Management and Manufacturing Engineering (1 pt)
Mgt 505 Quality Management
Mgt 506 Strategic Financial Managenet (1 pt)

Unit	Topics	Reference	Points
ICT 305	Professional Programming (1) C #		3
ICT 403	Professional Programming (2) Object Oriented		3
ICT 404	Professional Programming (3) Java		3

ICT 305 C

(222)object-oriented-programming-using-c-sharp_pdf

http://www.filefactory.com/file/5gkn3yfop60p/n/object-oriented-programming-using-c-sharp_pdf

http://www.filefactory.com/file/39b9v84f02dv/object-oriented-programming-using-c-sharp.pdf

ICT403 Object Oriented

ICT 403 Object Oriented Programming (1 pt)

(R169)object-oriented-programming-using-java_pdf

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http://www.filefactory.com/file/2f1ie4vbt2ch/object-oriented-programming-using-java.pdf

ICT404 JAVA

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Unit	Topics	Reference	Points
ICT 405	Professional Practice (1) Network		3
ICT 406	Professional Practice (2) Website		3
ICT 407	Artificial Intelligence		3

ICT405 NETWORK

UEENEED016B		Develop network services

D016 Study Guide

D016StudyGuide.zip

D016TheoryNotes_2.4.30-Network_infrastructure_.zip

D016TheoryNotes_2.4.31Directory_services_Part_1_.zip

D016TheoryNotes_2.4.31DirectoryServicesPart2_.zip

ADDITIONAL NOTES

D016TheoryNotesPart1.zip

D016TheoryNotesPart2.zip

Stage 3 Part 1B.zip
http://www.filefactory.com/file/c0ccc42/n/Stage_3_Part_1B.zip

ICT406 WEBSITE

D018

(Download from www.electricaldiploma2013.zoomshare.com/Additional For 17908+17794 Folder)

UEENEED018B		Design and implement Internetworking systems

Computer networking (D018)

Computer_and_Networks.zip

Stage 4 Part 13.zip
http://www.filefactory.com/file/c0cc6c1/n/Stage_4_Part_13.zip

Embedded system, Embedded C, Embedded design, Object Oriented Programming, Object Oriented Design, Data Acquisition

Computer_and_Network_2.zip Computer_and_Networks_3.zip

UEENEED010B		Set up and create content for a web server

D10 Web Design Notes

Lesson_1_Setting_up_adding_the_contents.zip

Lesson_2_CSS.zip

Lesson_3_Multimedia.zip

Lesson_4_Animation2-3DGraphics.zip

Lesson_5_More_detailed_design.zip

Lesson_6_Multiple_Pages_Set_up_Site_Upload.zip

Lesson_7_Frame_Layer.zip

Lesson_8_Flash_Firework-Graphics_Movie.zip

D10NoteDataBase.zip

D010Web_ServerScripting_Programming.zip

RESOURCES

Photos.zip

Audio.zip

Digital_Images_Collection.zip

Dreamweaver_notes.zip

Example_Web_Pages.zip

HTML_Manual.zip

UEENEED021B		Design and implement Internetworking systems multi-layer switching

D021.zip

UEENEED022B		Design and implement Internetworking systems security

D022.zip

ICT407 ARTIFICIAL INTELLIGENCE

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http://www.filefactory.com/file/2tfzn5y19819/project-2010-introduction-part-ii.pdf
http://www.filefactory.com/file/4bifn1lthz9n/project-2010-advanced.pdf

Bachelor of Applied Science

(Computer Science & Computer Technology)

Stage I

• Information Technology Fundamentals
• Computer Applications and Operations
• Applied Programming
• Program Project

Students who have passed these subjects will be issued with an ACP certificate in Information Technology and Programs.

• Systems Analysis and Programs
• Software Engineering
• Business Information Systems

and one of the following electives

• Accounting
• Organisational Behaviour

Stage II

• Information Systems Principles and Networking
• Information Systems, Analysis and Design
• Advanced Programming
• Project Work

Students who have passed the above subjects will be issued with an ACP Advanced Diploma in Computer Science.

Year IV (ICT 305+403+404+405+406+407) ASSESSMENT

Two reports one for Programming for (ICT305+403+404) & another for Networking+ Artificial Intelligence for (ICT 405+406+407) subjects are required to be presented.
Each should contain 4000 to 6000 words of how you pursue the study in Programming & Networking should be described.
The project should contain sample programming, networking task, job procedures etc of the topics of your choices.

Bachelor of Science in Computing

Stage III
• Professional Issues, Computing and Society
• Applied Computing (External Placement)I
• Major Thesis Project
A 10,000 – 12,000 word research project in a Computer Science or Information Technology discipline area. In this project the candidate will need to demonstrate they can apply the knowledge learnt in Stages I and II.