

## **Program Learning Outcomes**

By the end of the course, the graduate should be able to:

- i) Provide consultancy and advisory services in a dynamic world of ICT
- ii) Design and develop quality and acceptable software solutions
- iii) Diagnose, support and develop quality and acceptable ICT infrastructure
- iv) Design, implement and support security in information systems /ICT environment

## **GENERAL REGULATIONS**

- ❖ The University regulations shall apply.
- ❖ No candidate shall be registered for the Bachelor of Science in Information Technology degree without satisfying the minimum university requirements.

## **DURATION AND PATTERN OF THE COURSE**

The Diploma in Information Technology shall be offered in two academic years with four semesters, including three (3) months of practical industrial attachment.

The course shall extend over a minimum period of eighteen (18) months and a maximum period of thirty-six (36) months including three (3) months of practical industrial attachment.

The programme will run for four (4) semesters, with each semester running for sixteen (16) weeks. The period of the project work will be part of the programme duration and will be considered as having two (2) course units. Each semester shall have six (6) units.

Courses shall be offered in terms of units. One unit being defined as a series of Forty-five (45) lecture hours. For this purpose, a one-hour lecture is equivalent to a two-hour tutorial or a three-hour practical period, or an equivalent amount of other assigned study or practical experience or any combination of these that may be approved by the Institute of Computer Science and Information Technology

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For full time students, the normal duration of each semester shall extend over a period running for sixteen (16) weeks, and for part-time students, the duration for each semester shall not exceed twenty-four (24) weeks.

Course units in semester I, II and III are all mandatory while units in semester IV shall be selected from the areas of specialization.

There shall be an industrial attachment for three (3) months after the completion of Year I (End of semester III)

The course shall be done through course work, examinations and project.

The project shall be equivalent to two course units.

## **REGISTRATION**

Each student shall be required to register for the units he/she will take in a particular semester during the first four weeks of the semester. No registration of students for units shall be allowed after week four of the semester.

A student who does not register for a particular unit but who completes the course work and who sits for the examination in that unit shall be deregistered.

## **EXAMINATIONS**

### **ORDINARY EXAMINATIONS**

The examinations shall be moderated and approved by the University Senate.

Examinations shall be conducted at the end of each semester either at the University or at an approved Centre and in both cases shall be supervised by the University.

Examinations shall consist of end of semester exams, continuous assessment and practical work.

The continuous assessment shall contribute 40% of the total marks while the end of semester exams shall contribute 60% of the total marks.

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The project shall be graded out of a maximum of 100% by continuous assessment and pass mark shall be 40%.

Each unit shall be graded out of 100% and the pass mark shall be 40%.

The marks shall be translated into letter grades as follows:-

i) 70% and above A

ii) 60% and below 70% B

iii) 50% and below 60% C

iv) 40% and below 50% D

v) Below 40% E

Attachment shall be assessed on PASS or FAIL basis.

## **PROGRESSION**

A candidate must pass all the course units in a particular year before proceeding to the next year.

## **AWARD OF DIPLOMA**

The University shall issue a transcript at the end of each academic year.

A candidate shall be awarded a Diploma after passing all the required twenty- five (25) units including industrial attachment.

A Diploma shall be awarded at the end of Year II

A candidate who passes all the required units but does not pass the industrial attachment shall be required to complete the attachment within a period not exceeding six months after the release of results by the University Senate.

A candidate who does not complete the attachment after the second chance shall not be awarded a diploma.

A candidate shall be awarded a certificate after passing all the required seven (7)

### **CLASSIFICATION**

A candidate who qualifies for the award of a Diploma shall be placed in one of the three classes namely Distinction, Credit and Pass.

The final classification shall be based on the minimum number of required course units taken during the period of study. Additional course units shall not be considered for classification of the Diploma.

The classification for the diploma shall be graded as follows:

- i) Distinction 70% and above
- ii) Credit 60% and below 70%
- iii) Pass 40% and below 60%

The classification for the certificate shall be graded as follows:

- i) Distinction 70% and above
- ii) Credit 60% and below 70%
- iii) Pass 40% and below 60%

## **DIT COURSE STRUCTURE**

### **YEAR I**

#### **Semester I**

| <b>Unit Code</b> | <b>Unit Name</b>                             | <b>Course Hours</b> |
|------------------|--|---------------------|
| DIT 0101         | Introduction to Computers                    | 45                  |
| 2. DIT 0102      | Introduction to Computer Applications        | 45                  |
| 3. DIT 0103      | Computer Operating Systems                   | 45                  |
| 4. DIT 0104      | Desktop Publishing                           | 45                  |
| 5. DIT 0105      | Communication Skills                         |                     |
| 6. DIT 0106      | Basic Mathematics for Information Technology | 45                  |
| 7. TDH 1100      | Introduction to HIV/AIDS                     | 45                  |

#### **Semester II (Qualified Certificate Students Join Here): i.e Those who attained Credit & Above**

| <b>Unit Code</b> | <b>Unit Name</b>                            | <b>Course Hours</b> |
|------------------|---|---------------------|
| DIT 0201         | Introduction to Database Management Systems | 45                  |
| 2. DIT 0202      | Introduction to Programming and Algorithms  | 45                  |
| 3. DIT 0203      | System Analysis and Design                  | 45                  |

|             |  |    |
|-------------|--|----|
| 4. DIT 0204 | Network Essentials                             | 45 |
| 5. DIT 0205 | Principles of Computer Support and Maintenance | 45 |
| 6. DIT 0206 | Analogue Electronics                           | 45 |

## **YEAR II**

### **Semester I**

| <b>Unit Code</b> | <b>Unit Name</b>                    | <b>Course Hours</b> |
|------------------|-------------------------------------|---------------------|
| DIT 0301         | Object-Oriented Programming         | 45                  |
| 2. DIT 0302      | Web Development I                   | 45                  |
| 3. DIT 0303      | Software Engineering                | 45                  |
| 4. DIT 0304      | Basic Computerized Accounting       | 45                  |
| DIT 0305         | Object-Oriented Analysis and Design | 45                  |
| 6. DIT 0306      | ICT Project I                       | 45                  |
| 7. DIT 0307      | Industrial Attachment               |                     |

## Semester II

| <b>Unit Code</b> | <b>Unit Name</b>        | <b>Course Hours</b> |
|------------------|-------------------------|---------------------|
| CED 0217         | Entrepreneurship Skills | 45                  |
| 2. DIT 0401      | Software Engineering    | 45                  |
| 3. DIT 0402      | ICT Project II          | 45                  |