### Course Aim
To provide students with an understanding and appreciation of the computer system architecture and operations. It will introduce students to computer hardware and software with emphasis on Cloud Computing and internal operations of computer systems.

### Short Title
IT6001

### Faculty
EDICT

### Credits
15

### Pre-requisites
None

### Co-requisites
None

### Anti-requisites
None

### Learning Outcomes
On successful completion of this course, students will be able to:

1. Describe the role of hardware components in building different computer architectures
2. Install and administer various end-user operating system software
3. Solve problems relating to low-level computer processes using Boolean logic and data representation
4. Demonstrate a detailed knowledge of professional and ethical issues in information technology
5. Describe and evaluate the types and advantages of Cloud Computing models

### NQF Sub-strand
- Practical Application of knowledge
- Practical Application of knowledge
- Theoretical Understanding
- Communication, ICT, Numeracy
- Theoretical Understanding

### Version 8
Effective From January 2, 2018

**Level 6**

<table>
<thead>
<tr>
<th>Activity Type</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Student Contact hrs</td>
<td>60</td>
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<td>Self-directed hrs</td>
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<tr>
<td>Other directed hrs</td>
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<tr>
<td>Total learning hrs</td>
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**Total learning hrs**

90

**Version**

EDICT