<table>
<thead>
<tr>
<th>Subject Code</th>
<th>COMP102</th>
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<tbody>
<tr>
<td>Subject Title</td>
<td>Enterprise Information Technology</td>
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<tr>
<td>Credit Value</td>
<td>3</td>
</tr>
<tr>
<td>Level</td>
<td>1</td>
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<tr>
<td>Pre-requisite/Co-requisite/Exclusion</td>
<td>Nil</td>
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**Objectives**

This subject provides students with the concept of information systems and their role in today's enterprises. This subject can be taken with or without having taken COMP100 as a pre-requisite. It is suitable for all students.

**Intended Subject Learning Outcomes**

Upon completion of the subject, students will be able to:

1. understand the use of information systems at various organizational levels;
2. understand the basic principles of the modelling, storage, retrieval and management of information in an enterprise;
3. appreciate the use of strategic information systems for competitive advantages; and
4. understand ethical and social implications of information systems.

**Subject Synopsis/Indicative Syllabus**

**Keyword Syllabus:**

1. **Basic Principles of Databases**
   Data, information and knowledge; modelling and storage of information in databases; querying and retrieval of data; transaction processing.

2. **More Advanced Manipulation and Management of Information**
   The principles and applications of data warehousing, data mining, and knowledge management in an enterprise.

3. **Decision Support for Business Intelligence**
   Decision and executive support systems; business intelligence technologies such as expert systems, genetic algorithms for organizational modelling, neural networks and fuzzy logic for business applications; hands-on experience in using tools such as SPSS, data mining tool, neural network engine.

4. **Electronic Commerce/Business**
   Business use of the Internet, world wide web, intranets and extranets; electronic banking; cyber trading and investing; marketing on the internet; smart card trends, development methods and tools; security and cryptography.

5. **Networked Enterprise**
   Managing cooperative work environments; workflow and business process engineering; groupware and platforms for collaborative work, e.g. Novell.

6. **Knowledge Management Concepts**
   Corporate memory, intellectual capital, personal knowledge management, knowledge transfer, business intelligence.

**Teaching/ Learning Methodology**

Lectures for delivery of conceptual knowledge and analytical techniques in case studies.
Tutorials/Laboratories for discussion of real business cases and hands-on experience of tools and databases.

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<thead>
<tr>
<th>Specific Assessment Methods/Tasks</th>
<th>% Weighting</th>
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<tbody>
<tr>
<td>1. Continuous Assessment</td>
<td>60%</td>
</tr>
<tr>
<td>2. Examination</td>
<td>40%</td>
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<tr>
<td>Total</td>
<td>100%</td>
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### Student Study Effort Expected

**Class contact (time-tabled):**

- **Lecture**: 28 Hours
- **Tutorial/Laboratory**: 14 Hours

**Total student study effort**: 42 Hours

### Reading List and References

**Reference List:**