

MSc Software Project Management – E565

1. Introduction

The MSc Software Project Management programme will provide graduates from IT and related fields with the necessary skills to lead and manage software development projects. This programme is a response to the increasing need for leaders who can manage people and processes, who communicate well and who are knowledgeable about the current software development practices in the software industry.

2. Aims

This programme :

- Provide advance knowledge, understanding and skills in professional practice in IT and management of software systems,
- Provide practical experience of software projects from the initial analysis of a problem, through design, planning and testing in order to prepare for effective participation in the software industry,
- Prepare candidates for an effective career with the potential to reach a leadership role with competencies in software project management.

3. General Entry Requirements

Successful completion of an undergraduate degree with at least a Second Class or 50%, whichever is applicable, or a GPA not less than 2.5 out of 4 or equivalent, from a recognised Higher Education Institution, or alternative qualifications acceptable to the University of Mauritius.

4. Programme Requirements

Any undergraduate degree in Computer Science or other related areas.

5. Programme Duration

The normal duration of the programme will be as detailed below.

| | Full Time (years) | Part Time (years) |
|----------------|--------------------------|--------------------------|
| Minimum | 1 | 2 |
| Maximum | 2 | 4 |

However students wishing to exit earlier, with a Postgraduate Diploma, can do so subject to their meeting the requirements specified in item 6.

The programme will be run on a semester system, where an academic year consists of two semesters. A semester is of 15 weeks duration (excluding Exam Period).

6. Minimum Credits Required for Award of:

Master's Degree: 36

Postgraduate Diploma: 24

7. Assessment

All modules are of 45 hours duration and carry equal weightage [i.e. of 3 credits] except for CSE 6000.

All modules will carry 100 marks and will be assessed as follows (unless otherwise specified).

- A written examination of 3 hours and,
- Continuous assessment carrying a range of 30% to 40% of total marks.
- Continuous assessment may be based on laboratory works, and/or assignments and tests but should include at least 2 assignments/tests per module.
- An overall total of 40% for combined continuous assessment and written examination components would be required to pass the module, without minimum thresholds within the individual continuous assessment and written examination.

Students are required to register for modules which they intend to follow in a given semester on date(s) specified by the Faculty.

Submission Deadlines for Project:

| | Full Time | Part Time |
|-------------------|--|--|
| Start | January - Level 1 | January - Level 2 |
| Submission | Last working day of August - Post Level 1 | Last working day of August - Post Level 2 |

8. List of Modules

| Module Code | Module Name | HRS/WK [L+P] | Credits |
|-------------------------------|---|-----------------|---------|
| Core Modules | | | |
| CSE 6079 | Managing Software Projects | 3+0 | 3 |
| CSE 6092 | Project Planning, Design and Appraisal | 3+0 | 3 |
| MGT 5212 | Human Resources and Quality Management | 3+0 | 3 |
| CSE 6095 | Software Quality and Standards | 3+0 | 3 |
| CSE 6098 | Requirements Management and Testing | 3+0 | 3 |
| DFA 6233 | Accounting and Finance for Project Managers | 3+0 | 3 |
| CSE 6099 | Research Methods in Software Engineering | DEOL | 3 |
| CSE 6000(A) | Project | - | 12 |
| Practitioners Seminars | | | |
| MGT 6050 | Leadership & Team Management | - | 1 |
| LAWS 6030 | Legal & Ethical aspects of Projects | - | 1 |
| CSE 6009 | Project Management in Software Industries | - | 1 |

Note:

1. There will be 3 Practitioners' workshops, the first in **Leadership & Team Management**, the second in **Legal & Ethical aspects of Projects** and the third in **Project Management in Software Industries**. These seminars shall be compulsory and will be non-examinable 1 credit 15 hrs modules. As part of the assessment students will be required to submit a report of 2000 – 2500 words. Students will be assigned Grade "S" upon satisfactory attendance and performance in these workshops in order to be eligible for the award of the degree.
2. The Practitioners Seminars may be offered in any semester.

9. Programme Plan

Full Time

| Semester | Module Code | Module | Hrs/ Week L + P | Credits |
|-------------------|-------------|---|-----------------------|---------|
| Semester 1 | CSE 6079 | Managing Software Projects | 3 + 0 | 3 |
| | CSE 6092 | Project Planning, Design and Appraisal | 3 + 0 | 3 |
| | MGT 5212 | Human Resources and Quality Management | 3 + 0 | 3 |
| | CSE 6099 | Research Methods in Software Engineering | DEOL | 3 |
| | DFA 6233 | Accounting and Finance for Project Managers | 3 + 0 | 3 |
| Semester 2 | CSE 6095 | Software Quality and Standards | 3 + 0 | 3 |
| | CSE 6098 | Requirements Management and Testing | 3 + 0 | 3 |
| | CSE 6000(A) | Project | | 12 |

Part Time

| Semester | Module Code | Module | Hrs/ Week L + P | Credits |
|-------------------|-------------|---|-----------------------|---------|
| Semester 1 | CSE 6079 | Managing Software Projects | 3 + 0 | 3 |
| | CSE 6092 | Project Planning, Design and Appraisal | 3 + 0 | 3 |
| | MGT 5212 | Human Resources and Quality Management | 3 + 0 | 3 |
| Semester 2 | CSE 6095 | Software Quality and Standards | 3 + 0 | 3 |
| | CSE 6098 | Requirements Management and Testing | 3 + 0 | 3 |
| | DFA 6233 | Accounting and Finance for Project Managers | 3 + 0 | 3 |
| Semester 3 | CSE 6099 | Research Methods in Software Engineering | DEOL | 3 |
| Semester 4 | CSE 6000(A) | Project | | 12 |

Note: The Practitioners Seminars may be offered in any semester depending on the availability of the resource persons