

Module Synopsis – Postgraduate Diploma in Engineering Management

Operations Management

Develop student's ability to examine complex businesses and organisations to determine how the operations and its supply chain produce competitive advantage and improve performance to customers. By using a range of real life scenarios using both qualitative and quantitative data in different media students learn to first comprehend, then apply and analyse concepts and principles from the field of operations and supply chain management. This module also introduces learners to a number of business structures, cultures and the political, social, economic, technological, legal and ethical considerations affecting business.

Assessment: 100% coursework

Technopreneurship

This module provides an overview of technopreneurial activity, including evaluation and planning of a new business, financing, team building, product development, marketing and operational management issues, intellectual property protection, alternative models for revenue and growth, and exit strategies.

Assessment: Coursework 100%

Accounting and Finance for Decision Making

To provide students with sound technical knowledge for understanding and preparing financial accounts. Foundation knowledge and understanding of the fundamental principles of accounting and finance will be taught. Students will also be introduced to simple financial budgeting/planning, cost allocation, time value of money, cash flow projection and other relevant concepts.

Assessment: Coursework 40-60%; Examination: 40-60%

Strategic Human Resources Management

To develop a knowledge of the theories, concepts and strategies of HR Management. Students will understand the role of the human resource manager, the application of human resource management for specific organisational scenarios, and the legislative requirements related to the field.

Assessment: Coursework 50%; Examination - 50%

International Business Management

This module is designed to enable students to demonstrate an understanding of the concept of international business management in a global marketplace and the major sectors of the international business environment, as well as international management challenges, opportunities and barriers. Students will develop an understanding of the social, cultural, economic and political frameworks that impact on business management in Asia/Pacific Rim countries, as well as an understanding of current issues, their timing and the causal effects they have on industry. Students will gain the skills to identify effects of globalisation on industry, and international management challenges, opportunities and barriers, as well as strategies to manage them. Students will also gain an understanding of the impact of political environments and international policies and agreements in international business.

Assessment: Coursework 60%; Examination - 40%

Project Management

Students will understand the theories and processes of project management, the role the project manager, project team and champions play, and the range, scope and complexity of modern projects.

Assessment: Coursework 100%