

Minor	Data Mining	Control Systems	Web Media Design
School	IT	Engineering	Web Media
Brief	This minor provides students with advance knowledge on how to access data and specialist skills on how to manage and interpret data to extract meaningful information that can support strategic objectives	This minor provides the engineering students with a comprehensive set of theoretical, practical and technical skills in control systems for industrial applications.	This minor develops work ready graduates, who are technically competent, and have a sound understanding of concepts in Web Media that enable them to be adaptable and to solve real world problems using web-based designs, strategies and technologies.
Graduates	Graduates with this minor will be able to: <ul style="list-style-type: none"> • Demonstrate advance knowledge of database systems and where such systems fall within an IT infrastructure in an organization. • Design, develop and query databases. • Interpret and evaluate obtained numerical and graphical data to recommend the best model to be used for prediction purposes 	The qualification will provide students with: <ul style="list-style-type: none"> • Theoretical and practical skills to solve control engineering problems and design engineering systems in the area of electronic circuits, instrumentation and control for the industry. • Skills necessary for effective communication, analysis, team work, documentation and evaluation of engineering control systems 	The qualification will provide students with: <p>A. <u>Knowledge –Theoretical Understanding</u></p> <ul style="list-style-type: none"> • A1 - Demonstrate a critical knowledge of the aesthetic, strategic, and technological aspects of digital media content and products • A2 - Demonstrate broad knowledge of local, regional and global issues associated with Internet-based communication <p>B. <u>Knowledge Practical Application: subject/discipline specific</u></p> <ul style="list-style-type: none"> • B1 - Master written, oral and visual skills relevant to the Web in English • B2 - Use basic and some specialist digital media technologies and strategies in appropriate professional contexts; • B3 - Think critically, be innovative and engage in dialogue on issues relevant to the modern Web landscape <p>C. <u>Skills – Employability</u></p> <ul style="list-style-type: none"> • Practice as a professional using 21st century skills
Courses	<ul style="list-style-type: none"> • IT6010 Maths for Computing • IT6005 Database Systems 1 • IT7005 Database Systems • IT8416 Data Mining 	<ul style="list-style-type: none"> • EN6080 AC circuit theory • EN7061 Analogue electronic circuits • EN7230 Instrumentation and control • EN8231 Control systems design 	<ul style="list-style-type: none"> • WM6002 Internet & Multimedia 1 (Interactive 2D Animation) • WM6003 Web Design 1 • WM7002 3D Modeling & Animation 1 • WM8005 Advanced Design for the Web (WM6003 pre-requisite)
Students	From all Programmes, except IT and double major students	Only Mechanical Engineering students	From all Programmes, except Web Media and double major students
Requirements	<ul style="list-style-type: none"> • Passing IT6010 Maths for Computing • Completing a minimum of 120 credits in Bachelor’s degree. • Limited seats available selection based on the School approval 	<ul style="list-style-type: none"> • Completion of the 1st year program courses • GPA 3 and above • Limited seats available selection based on the School approval 	<ul style="list-style-type: none"> • Limited seats available selection based on the School approval



Minor	Entrepreneurship (Business and Logistic students)	Entrepreneurship (Non-Business students)
School	Business	Business
Brief	Business (non-Management Major) and Logistic students' specialist knowledge and variety of entrepreneurial skills that will support the successful growth of new and existing small businesses. Its main focus is to enhance entrepreneurial awareness, entrepreneurial thinking, and to develop students' entrepreneurial capabilities through opportunity, recognition and evaluation.	Providing non-Business students specialist knowledge and entrepreneurial skills within the context of the successful growth of new and existing small businesses. Its focus is to enhance entrepreneurial awareness, entrepreneurial thinking, and to develop students' entrepreneurial capabilities through opportunity, recognition and evaluation.
Graduates	On successful completion of this qualification the graduate will: <ul style="list-style-type: none"> • Demonstrate an advanced knowledge of the nature of entrepreneurship in a range of business contexts. • Demonstrate a critical knowledge of business principles, concepts and terminology as they apply to start up and developing enterprises. • Evaluate business strategies and adapt new plans to deal with varied business contexts • Practice as a professional using 21st century skills • Create and design strategies to support the successful and sustainable growth of new and existing enterprises. 	On successful completion of this qualification the graduate will: <ul style="list-style-type: none"> • Demonstrate an advanced knowledge of the nature of entrepreneurship in a range of business contexts. • Demonstrate a critical knowledge of business principles, concepts and terminology as they apply to start up and developing enterprises. • Evaluate business strategies and adapt new plans to deal with varied business contexts • Practice as a professional using 21st century skills • Create and design strategies to support the successful and sustainable growth of new and existing enterprises.
Courses	<ul style="list-style-type: none"> • BU7205 New Ventures (Compulsory) • BU7200 Supervisory Management or BU7201 Operations Management • BU8203 Enterprise Development (Compulsory) • BU8200 International Business or BU8202 Strategic Management (depends on course offering) 	<ul style="list-style-type: none"> • BU6004 Introduction to Management (Compulsory) • BU7205 New Ventures (Compulsory) • BU8203 Enterprise Development (Compulsory) • BU7200 Supervisory Management or BU7201 Operations Management or BU8200 International Business or BU8202 Strategic Management (depends on course offering)
Students	For Business except Management and double major students For Logistic students	For all Programmes, except Business and logistic students
Requirements	<ul style="list-style-type: none"> • Limited seats available selection based on the School approval 	<ul style="list-style-type: none"> • Limited seats available selection based on the School approval