



**FACULTY OF TECHNOLOGY MANAGEMENT
AND TECHNOPRENEURSHIP**

BACHELOR OF TECHNOPRENEURSHIP WITH HONOURS (BTEC)



Prof. Dr. Mohd Syaiful Rizal
Bin Abdul Hamid

Dean

**Faculty of Technology Management
and Technopreneurship**

The Faculty of Technology Management and Technopreneurship (FPTT), UTeM aims for student success. We strive to provide our students with the education they need, not only to find a job upon graduation but also to have a successful in their long term career. Our faculty's formula for success is to offer students with the current highest level of development in business knowledge combined with the specific skills needed for their respective majors which are Technology Management and Technopreneurship. We are very fortunate to have a dedicated and talented faculty members and staff who are accessible to students and committed to their success.

Foreword

BY THE DEAN

In addition, our courses taught by the faculty members are designed to meet the needs of employers. The students are also equipped with knowledge and skills which will prepare them for their future career.

With the aim of contributing greatly to humanity's prosperity in the next years, our faculty educates future Technopreneurs who are ready and potential to make a difference in the world. Now, more than ever the world needs business leaders who can build great companies, generate new jobs, produce valued goods & services, stimulate innovation and tackle common social challenges. Realizing that the powerful role of business and business leaders can play in contributing to the prosperity of society, we have deliberately emphasized both rivals. On the matter of competence, we are equipping our graduates with a broader value creation for society as competencies.

We value a strong lecturer-student relationship and faculty members work very closely with students to facilitate their learning needs. To our students and graduates, the faculty is the place where their vision and commitment to the field of Technology Management and Technopreneurship education are inspired and cultivated. We are proud with the accomplishments of our faculty, staff and students who are very enthusiastic about the faculty's vision.

Thank you.



Vision & Mission

VISION

To be one of the world's leading innovative and creative technical universities.

MISSION

UTeM determined to lead and contribute to the wellbeing of the country and the world by:

- Promoting knowledge through innovative teaching and learning, research and technical scholarship;
- Developing professional leaders with impeccable moral values;
- Generating sustainable development through smart partnership with the community and



Introduction to

FACULTY OF TECHNOLOGY MANAGEMENT AND TECHNOPRENEURSHIP

Universiti Teknikal Malaysia Melaka (UTeM), which was incorporated in December 2000, is the 14th Institution of Higher Learning (IHL) in Malaysia. The Faculty of Technology Management & Technopreneurship (FPTT) was established on 19th March 2009 and has since started its operations at the City Campus, in the heart of the World Heritage City of Historic Melaka.

FPTT has indeed created history for being the sixth faculty to offer programmes at Bachelor Degree level in UTeM. With its establishment, the faculty integrates a technology and business approach in enhancing the knowledge and skills of human capital. The FPTT curriculum was developed to address issues and challenges in managing the force of globalization, rapid pace of technological changes, market and competition, product complexity, pressure of production cost, highcost and risk of research and development, government regulations and market diversity.

Thus, FPTT plays a vital role in creating professionals at technology-oriented companies, employees at large firms, founders of start-ups with knowledge in the areas of technology management and technopreneurship. By diversifying the courses into both functional and practice-based, graduates will be competent with the skills in technical marketing, managing technical human resources, managing innovation, leadership and communication.

GRADING SYSTEM

Table 1 shows the grading system adopted by the university.

MARKS	GRADE	GRADE POINT	STATUS
80 - 100	A	4.0	Excellent
75 - 79	A-	3.7	Excellent
70 - 74	B+	3.3	Honors
65 - 69	B	3.0	Honors
60 - 64	B-	2.7	Honors
55 - 59	C+	2.3	Pass
50 - 54	C	2.0	Pass
47 - 49	C-	1.7	Conditional Pass
44 - 46	D+	1.3	Conditional Pass
40 - 43	D	1.0	Conditional Pass
00 - 39	E	0.0	Fail

Table 1: Grading System Schedule

ACADEMIC ACHIEVEMENT

Grade Point Average Calculation

Grade Point Average (GPA) is a grade point average earned by a student in a semester. It is calculated as below:

$$\text{Total Grade Point (TGP)} = k_1m_1 + k_2m_2 + \dots + k_nm_n$$

$$\text{Total Calculated Credit (TCC)} = k_1 + k_2 + \dots + k_n$$

$$\text{Grade Point Average (GPA)} = \frac{\text{Total Grade Point}}{\text{Total Calculated Credit}}$$

where

k = Credit hours for subject

m = Grade points earned for subject

n = Number of subjects registered in the semester

Cumulative Grade Point Average Calculation

Cumulative Grade Point Average (CGPA) is a grade point average earned by a student inclusive all semesters he/she registers. It is calculated as below:

$$\text{CGPA} = \frac{(TGP)_1 + (TGP)_2 + \dots + (TGP)_n}{(TCC)_1 + (TCC)_2 + \dots + (TCC)_n}$$

where

TGP = Total grade point earned in semester

TCC = Total calculated credit in semester

n = Total semester registered

ACADEMIC STATUS

The academic status for each student is determined by the examination results obtained at the end of every semester. The status is categorized as:

ACADEMIC STATUS	CGPA
Good Standing/Kedudukan Baik (KB)	$\text{CGPA} \geq 2.00$
Conditional Status/Kedudukan Bersyarat (KS)	$1.70 \leq \text{CGPA} < 2.00$
Fail/Kedudukan Gagal (KG)	$\text{CGPA} < 1.70$

PROGRAM OVERVIEW

This program provides students with comprehensive knowledge and practical skills in management, technology, and technopreneurship. It is uniquely designed with two delivery modes: the Conventional Mode, which emphasizes classroom-based learning, and the Industry Mode, which integrates industrial exposure and workplace learning throughout the study period. Both modes aim to develop competent graduates who are able to apply innovative ideas, lead technology-driven ventures, and contribute effectively to the entrepreneurial ecosystem.

Students will experience a curriculum that combines fundamental management courses, specialized technopreneurship subjects, and hands-on projects such as business plan development, industrial training, and final-year projects. The program also emphasizes collaboration with industry partners, providing opportunities for business networking, mentorship, and real venture development. By the end of the program, graduates are expected to be ready to either establish their own technology-based businesses or serve as professional leaders in entrepreneurship-related industries such as consulting, finance, education, and training.

CAREER PROSPECT

Technopreneurs combines the attributes and responsibilities of a traditional entrepreneur (sales, marketing, business development, managerial) with the technical savviness of technological developer. The career prospect for these graduates may be categorized into two areas. They could be successful persons who start a business especially in technology-based entity. They could also be an intelligent worker in any entrepreneurship supporting industries such as financial institutions, consultancy and advisory bodies, education, training providers, etc.

CURRICULUM STRUCTURE **BTEC (CONVENTIONAL)**

YEAR 1 SEMESTER I			
CODE	SUBJECT	CATEGORY	CREDIT
BLLW 1142	English for Academic Purposes	W (University Compulsory)	2
BLHW 1762	Philosophy and Current Issues	W (University Compulsory)	2
BTMU 1013	Business and Organizational Management	P (General Core)	3
BTMU 1023	Management of Technology	P (General Core)	3
BTMT 1203	Technopreneurship Mathematics	P (General Core)	3
BTMT 1023	Fundamentals of Managerial Economics	P (General Core)	3
BTMW 4012	Technology Entrepreneurship	P (General Core)	2
TOTAL			18

YEAR 1 SEMESTER II			
CODE	SUBJECT	CATEGORY	CREDIT
BLLW 2152	Academic Writing	W (University Compulsory)	2
BLHW 2792	Kursus Integriti Anti Rasuah (KIAR)	W (University Compulsory)	2
BTMT 1243	Business Accounting	P (General Core)	3
BTMU 1093	Business Statistics	P (General Core)	3
BTMT 1043	Technopreneurial Marketing	P (General Core)	3
BTMT 1063	Human Resource Management	P (General Core)	3
BTMP 1083	Information Systems Management	P (General Core)	3
TOTAL			19

YEAR 2 SEMESTER I			
CODE	SUBJECT	CATEGORY	CREDIT
BLHW ****	Third Language	W (University Compulsory)	2
BKK XXXX	Co-Curriculum I	W (University Compulsory)	1
BTMT 2073	Legal Aspects of Technopreneurship	P (General Core)	3
BTMT 2083	Franchise and Retail Management	K (Discipline Core)	3
BITG 2113	E-Commerce and Web Design	K (Discipline Core)	3
BMIG 2133	Industrial Design	K (Discipline Core)	3
TOTAL			15

YEAR 2 SEMESTER II			
CODE	SUBJECT	CATEGORY	CREDIT
BLHW 2772 or BLHW 2752	Appreciation of Ethics and Civilizations * or Malaysian Culture **	W (University Compulsory)	2
BKK XXXX	Co-Curriculum II	W (University Compulsory)	1
BLLW 3162	English for Professional Interaction	W (University Compulsory)	2
BTMT 3263	Business Finance	P (General Core)	3
BTMT 2093	Network Management and Business Growth	K (Discipline Core)	3
BTMT 2103	International Business Management	K (Discipline Core)	3
BTMP 2583	Creativity and Innovation Management	K (Discipline Core)	3
TOTAL			17

YEAR 3 SEMESTER I			
CODE	SUBJECT	CATEGORY	CREDIT
BTMT 3153	New Product Development and Commercialization	K (Discipline Core)	3
BTMT 3163	Technopreneurship Consultancy and Coaching	K (Discipline Core)	3
BTMT 3183	Technopreneurial Business Plan	K (Discipline Core)	3
BTMT 4293	Risk Management	K (Discipline Core)	3
BTMT 4133	Technology Transfer in Business	K (Discipline Core)	3
TOTAL			15

YEAR 3 SEMESTER II			
CODE	SUBJECT	CATEGORY	CREDIT
BTMT 3123	Business Research Methodology	P (General Core)	3
BTMU 4072	Final Year Project I	K (Discipline Core)	2
BTMT 3383	Social Entrepreneurship	K (Discipline Core)	3
BTMP 3523	Industrial Leadership	K (Discipline Core)	3
BTMP 3253	Intellectual Property and Commercialisation Management New	K (Discipline Core)	3
TOTAL			14

YEAR 4 SEMESTER I			
CODE	SUBJECT	CATEGORY	CREDIT
BTMT 3283	Business Analytics	P (General Core)	3
BTMU 2103	Operations Management	P (General Core)	3
BTMT 3273	Digital Entrepreneurship	K (Discipline Core)	3
BTMT 2113	Brand Management	K (Discipline Core)	3
BTMU 4084	Final Year Project II	K (Discipline Core)	4
TOTAL			16

YEAR 4 SEMESTER II			
CODE	SUBJECT	CATEGORY	CREDIT
BTMU 4056	Industrial Training	Industrial Training	6
BTMU 4066	Industrial Training Report	Industrial Training	6
TOTAL			12
TOTAL CREDITS			126

CURRICULUM STRUCTURE **BTEC (INDUSTRY)**

YEAR 1 SEMESTER I			
CODE	SUBJECT	CATEGORY	CREDIT
BLLW 1142	English for Academic Purposes	W (University Compulsory)	2
BLHW 1762	Philosophy and Current Issues	W (University Compulsory)	2
BTMU 1013	Business and Organizational Management	P (General Core)	3
BTMU 1023	Management of Technology	P (General Core)	3
BTMT 1203	Technopreneurship Mathematics	P (General Core)	3
BTMT 1023	Fundamentals of Managerial Economics	P (General Core)	3
BTMW 4012	Technology Entrepreneurship	P (General Core)	2
TOTAL			18

YEAR 1 SEMESTER II			
CODE	SUBJECT	CATEGORY	CREDIT
BLLW 2152	Academic Writing	W (University Compulsory)	2
BLHW 2792	Kursus Integriti Anti Rasuah (KIAR)	W (University Compulsory)	2
BTMT 1243	Business Accounting	P (General Core)	3
BTMU 1093	Business Statistics	P (General Core)	3
BTMT 1043	Technopreneurial Marketing	P (General Core)	3
BTMT 1063	Human Resource Management	P (General Core)	3
BTMP 1083	Information System Management	P (General Core)	3
TOTAL			19

YEAR 2 SEMESTER I			
CODE	SUBJECT	CATEGORY	CREDIT
BLHW ****	Third Language	W (University Compulsory)	2
BKK XXXX	Co-Curriculum I	W (University Compulsory)	1
BTMT 2073	Legal Aspects of Technopreneurship	P (General Core)	3
BTMT 2083	Franchise and Retail Management	K (Discipline Core)	3
BITG 2113	E-Commerce and Web Design	K (Discipline Core)	3
BMFG 2133	Industrial Design	K (Discipline Core)	3
TOTAL			15

YEAR 2 SEMESTER II			
CODE	SUBJECT	CATEGORY	CREDIT
BLHW 2772 or BLHW 2752	Appreciation of Ethics and Civilizations * or Malaysian Culture **	W (University Compulsory)	2
BKK XXXX	Co-Curriculum II	W (University Compulsory)	1
BLLW 3162	English for Professional Interaction	W (University Compulsory)	2
BTMT 3263	Business Finance	P (General Core)	3
BTMT 2093	Network Management and Business Growth	K (Discipline Core)	3
BTMT 2103	International Business Management	K (Discipline Core)	3
BTMP 2585	Creativity and Innovation Management	K (Discipline Core)	3
TOTAL			17

YEAR 3 SEMESTER I			
CODE	SUBJECT	CATEGORY	CREDIT
BTMT 3153	New Product Development and Commercialization	K (Discipline Core)	3
BTMT 3163	Technopreneurship Consultancy and Coaching	K (Discipline Core)	3
BTMT 3183	Technopreneurial Business Plan	K (Discipline Core)	3
BTMT 4293	Risk Management	K (Discipline Core)	3
BTMT 4133	Technology Transfer in Business	K (Discipline Core)	3
TOTAL			15

YEAR 3 SEMESTER II			
CODE	SUBJECT	CATEGORY	CREDIT
BTMT 3123	Business Research Methodology	P (General Core)	3
BTMU 4072	Final Year Project I	K (Discipline Core)	2
BTMT 3383	Social Entrepreneurship	K (Discipline Core)	3
BTMP 3523	Industrial Leadership	K (Discipline Core)	3
BTMP 3253	Intellectual Property and Commercialisation Management	K (Discipline Core)	3
TOTAL			14

YEAR 4 SEMESTER I			
CODE	SUBJECT	CATEGORY	CREDIT
BTMT 3283(i)	Business Analytics	P (General Core)	3
BTMU 2103(i)	Operations Management	P (General Core)	3
BTMT 3273(i)	Digital Entrepreneurship	K (University Compulsory)	3
BTMT 2113(i)	Brand Management	K (University Compulsory)	3
BTMU 4084(i)	Final Year Project II	K (University Compulsory)	4
TOTAL			16

YEAR 4 SEMESTER II			
CODE	SUBJECT	CATEGORY	CREDIT
BTMU 4056(i)	Technopreneurship Internship	Industrial Training	6
BTMU 4066(i)	Technopreneurship Internship Portfolio	Industrial Training	6
TOTAL			12
TOTAL CREDITS			126

Unleash Your Greatness.
Making Your **Dream Work.**

Fakulti Pengurusan Teknologi dan Teknousahawanan (FPTT),
Universiti Teknikal Malaysia Melaka (UTeM), Hang Tuah Jaya,
76100 Durian Tunggal, Melaka



PENERBIT UTeM Press
Website : www.utem.edu.my/penerbit
Books Online : utembooks.utem.edu.my
Email : penerbit@utem.edu.my

