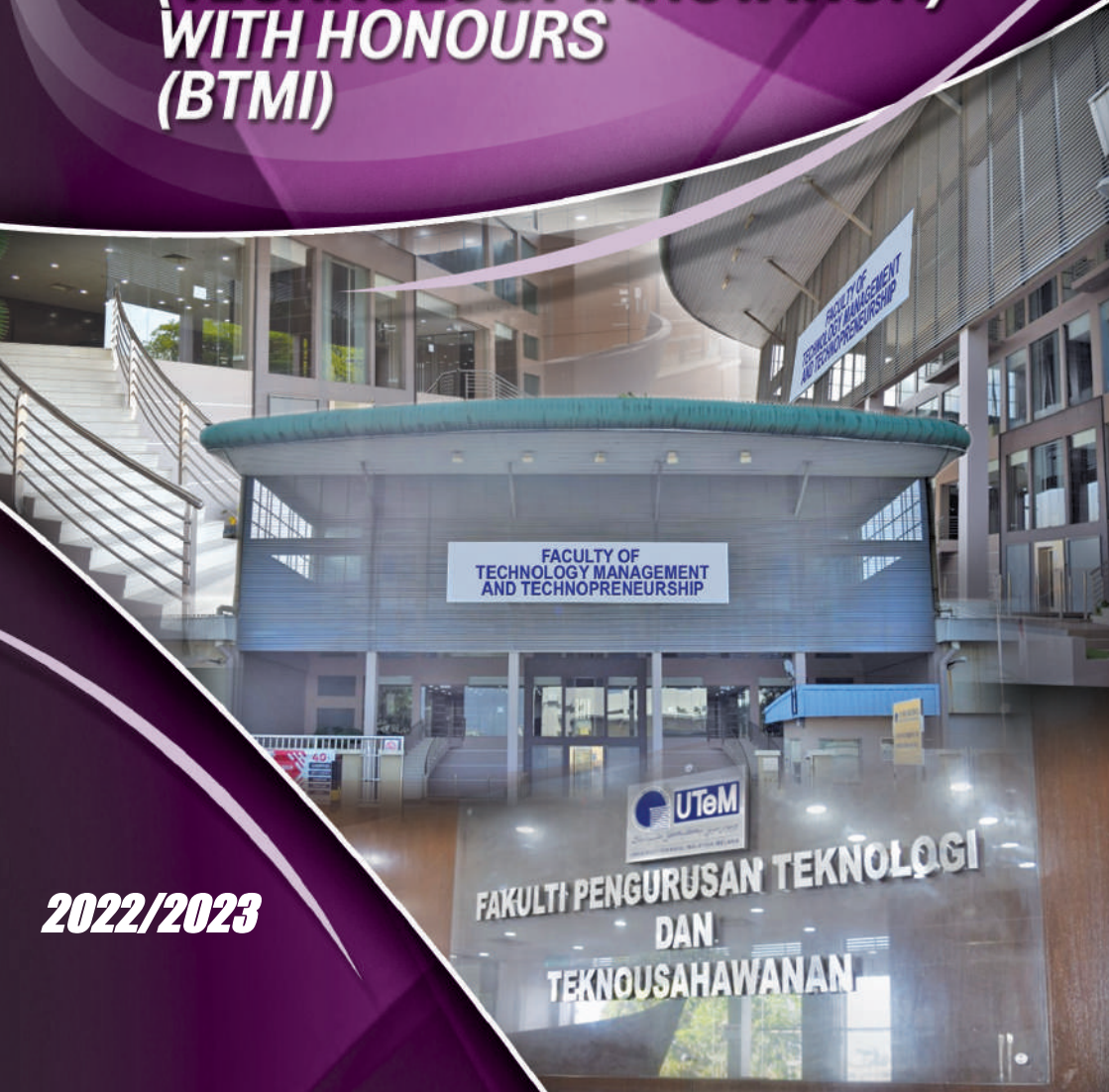


BACHELOR OF TECHNOLOGY MANAGEMENT (TECHNOLOGY INNOVATION) WITH HONOURS (BTMI)



2022/2023

**FAKULTI PENGURUSAN TEKNOLOGI
DAN
TEKNOUSAHAWANAN**



Foreword

BY THE DEAN

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. 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.
Thanks you.

Assoc. Prof. Dr. Mohd Syaiful Rizal Bin Abdul Hamid
Dean
Faculty of Technology Management and Technopreneurship



Vision & Mission **UTeM**

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 industry.

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

BTMI is a program that develops individuals who can manage R&D and innovation activities in any organization. Besides being an intelligent staff, the graduate will be able to seek opportunities from R&D activities and innovate it to become a successful business.

To realize this, students will be taught subjects related to management, technology, and technopreneurship with greater focus on innovation knowledge.

Strategic Innovation Management, Technology Transfer, Technology Planning and Forecasting, Intellectual Property Management and Commercialization, Quality Management, Management of Change and Project management are the core subjects for this program.

CAREER PROSPECT

Graduates of BTMI can be employed as middle managers in any organizations such as R&D, technical business, and management consultancy. More importantly, they could be self-employed, start their own businesses equipped with knowledge on seeking opportunities and turning it into a successful venture.

CURRICULUM STRUCTURE BTMI

SEMESTER 1				
CODE	SUBJECT	CREDIT	CATEGORY	RESULT
BLHW 1762	Philosophy and Current Issues	2	W	
BLHW 1442	English for Academic Purposes	2	W	
BTMW 4012	Technology Entrepreneurship	2	W	
BTMU 1013	Business and Organizational Management	3	P	
BTMU 1023	Management of Technology	3	P	
BTMP 1013	Business Mathematics	3	P	
BTMP 1023	Principles of Economics	3	P	
	TOTAL	18		
	GPA			
	CGPA			

SEMESTER 2				
CODE	SUBJECT	CREDIT	CATEGORY	RESULT
BLHW ****	Third Language Elective	2	W	
BKK **	Co-Curriculum I	1	W	
BLHW 2752	Malaysian Culture (For International Students)	2	W	
BLHW 2772	Appreciation of Ethics and Civilizations (For Malaysia Student only)	2	W	
BTMP 1063	Human Resource Management and Technology	3	P	
BTMP 1533	Principles of Accounting	3	P	
BTMP 1043	Principles of Marketing	3	P	
BTMP 1083	Information Systems Management	3	P	
	TOTAL	17		
	GPA			
	CGPA			

SEMESTER 3				
CODE	SUBJECT	CREDIT	CATEGORY	RESULT
BLHW 2452	Academic Writing	2	W	
BKK **	Co-Curriculum II	1	W	
BTMP 2073	Business Laws	3	P	
BTMU 1093	Business Statistic	3	P	
BTMU 2103	Operations Management	3	P	
BTMP 2543	Principles of Finance	3	P	
BTMP 2293	Change Management	3	K	
	TOTAL	18		
	GPA			
	CGPA			

SEMESTER 4				
CODE	SUBJECT	CREDIT	CATEGORY	RESULT
BMCG 2323	Manufacturing Process	3	P	
BITG 2323	Database	3	P	
BTMP 2233	Quality Management	3	K	
BTMP 2213	Project Management	3	K	
BTMP 2223	Technology Market Intelligence	3	K	
BTMP 2553	Leading Trend in Technology	3	K	
	TOTAL	18		
	GPA			
	CGPA			

SEMESTER 5				
CODE	SUBJECT	CREDIT	CATEGORY	RESULT
BLHW 3403	English for Professional Interaction	2	W	
BENG 3013	Electric and Electronic Practices	3	P	
BTMP 3103	Research Methodology	3	P	
BMC 2213	Fundamental of Energy Management	3	P	
BTMP 3273	Management of New Product Development	3	K	
BTMP 3263	Technology Planning and Forecasting	3	K	
	TOTAL	17		
	GPA			
	CGPA			

SEMESTER 6				
CODE	SUBJECT	CREDIT	CATEGORY	RESULT
BLHW 4032	General Elective	2	W	
BTMU 3072	Final Year Project I	2	P	
BTMP 3253	Intellectual Property and Commercialization	3	K	
BTMP 3283	Technology Transfer	3	K	
BTMP 3243	Innovation Management Strategy	3	K	
	TOTAL	13		
	GPA			
	CGPA			

SEMESTER 7				
CODE	SUBJECT	CREDIT	CATEGORY	RESULT
BTMU 4084	Final Year Project II	4	P	
	Specialization Elective I	3	E	
	Specialization Elective II	3	E	
	Specialization Elective III	3	E	
	TOTAL	13		
	GPA			
	CGPA			

SEMESTER 8				
CODE	SUBJECT	CREDIT	CATEGORY	RESULT
BTMU 4056	Industrial Training	6	I	
BTMU 4066	Industrial Training Report	6	I	
	TOTAL	12		
TOTAL CREDITS		126		
GPA				
CGPA				

Category:

W : University Compulsory Courses
P : Core Courses
K : Specialization Courses
E : Elective Courses
I : Industrial Attachment

E: ELECTIVE COURSES

Specialization Elective Courses (Choose any 3 courses)

BTMT 3303	Seminar In Global Issues And New Business Trends
BTMT 3313	Urban Transportation : Planning, Operation, and Management
BTMT 3323	Contemporary Business Management
BTMT 3333	Hospitality And Tourism Management
BTMT 3343	Technopreneurship Growth Strategy
BTMP 2243	Strategic Innovation Management
BTMP 3263	Technology Forecasting and Planning
BTMP 3363	Promotion and Advertising Technology
BTMP 3383	High Technology Marketing Strategy
BTMP 3513	Professional Ethics
BTMP 3523	Industrial Leadership
BTMT 3183	Social Entrepreneurship

Third Language Elective Courses (Choose any 1 course)

BLHL 1212	Arabic
BLHL 1222	Mandarin
BLHL 1232	Japanese
BLHL 1242	Korean
BLHL 1252	German

General Elective Courses (Choose any 1 course)

BLHC 4032	Critical and Creative Thinking
BLHC 4022	Negotiation Skills
BLLH 4032	Industrial and Organisational
BLHC 4012	Psychology Organisational Communication

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

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