

PROPOSAL FOR INTRODUCTION OF DUAL DEGREE B TECH MBA PROGRAMME (A TECHNO PROFESSIONAL PROGRAMME)

A dual degree B.Tech. and MBA program combines the studies of engineering and management into a single, integrated course has been launched from the Academic Session 2025-26. This typically takes five years to complete, as opposed to the six years it would take if pursued separately. This Dual Degree program aims to integrate two different yet converging fields and allows students to learn about two areas that they are passionate about. This programme will increase their potential in both fields viz., Engineering and Management. Tezpur University has well-established School of Engineering (SoE) and School of Management Sciences with strong faculty members and state of the art infrastructure facilities. The proposed programme will have the synergic effect of both Engineering and Management.

Salient Feature of the Dual Degree B Tech MBA Programme

1. Nomenclature of the Programme: Dual Degree B Tech and MBA
2. Starting of the Programme: From the Academic session 2025-26 i.e. Autumn semester 2025 starting from July 2025
3. Intake: 30 (aggregate of all branches taken together)
4. Intake Criteria: Same as that of B Tech programme and afterwards seamless entry to the MBA module on 9th semester.
5. Fee Structure: The current Fee Structure of B Tech programme is Rs. 2,24,644/- (for 8 semesters) while that of MBA is Rs. 73,494/- (for 3rd and 4th semesters) with Rs. 6,850/- payable only at the time of admission including caution deposit of Rs. 5,000/-. The fee structure may be proposed as follows:

First Semester : Rs. 34,443/- (including Rs. 5,000/- caution deposit)

Second Semester : Rs. 27,143/-

Third Semester : Rs. 27,143/-

Fourth Semester : Rs. 27,143/- Fifth

Semester : Rs. 27,143/- Sixth

Semester : Rs. 27,143/- Seventh

Semester : Rs. 27,143/- Eighth

Semester : Rs. 27,143/- Ninth

Semester : Rs. 56,247/- Tenth

Semester : Rs. 17,247/-

Total Rs.2.98,138/- (As per existing fee structure)

6. Programme objectives

- a. The programme is aimed at providing the industry with a set of Techno-Managerial manpower who are trained Engineers with Management education.
- b. The programme allows a student to reduce the education period by a crucial amount, thereby facilitating the student to enter the career phase earlier.

7. Programme outcomes

- a. Prepare a student to apply analytical knowledge for faster decision making.
 - b. Inculcate the ability to apply management concepts in technology related areas
 - c. Train the student to arrive at practical solutions of managerial related problems.
 - d. Prepare the Engineer to manage people effectively and become good leaders.
 - e. Focus on developing professional and ethical attitude to become socially responsible citizens.
 - f. Mentor them for an ability to conduct research studies and present reports.
 - g. Make them ready to conduct and operate in business environment – both nationally and globally.
 - h. Develop the student as managers or entrepreneurs and contribute their skills to the society.
8. Duration of the Programme: 5 years. (4 years at the SoE for the B tech Module and 1 year at SoM for the MBA module)
9. Lateral Exit: There will be an option for exit at the end of each year viz. First year with certificates, second year with diploma, third year with Advanced Diploma, fourth year with B Tech and fifth year with MBA. Thus, a student on successful completion of 5 years will have the dual degree “B Tech-MBA”. For exercising lateral exit options, completion of internship at every exit point is mandatory.
10. Teaching Departments: A student enrolling in this program will undergo 4 years of B Tech (1st to 8th semesters) at the School of Engineering and the last year (9th and 10th semesters) at the Department of Business Administration of the School of Management Sciences. The MINOR courses that the students would during 3rd to 8th semesters will be offered at the Department of Business Administration.
11. Credit of the Programme: Total credit for the programme will minimum 226 credits. A minimum of 178 credits needs to be completed from B Tech module (which includes a minimum of 48 credits from management domain) whereas an additional 48 credits need to be completed in 9th and

10th semesters. The credit structure of each semester is designed as per the University norms and AICTE requirements.

12. Course Contents: The first and second semesters of the programme will be as per the common B. Tech structure while for the 3rd to 8th semesters, the existing B. Tech structure shall include components of management courses as Minor (6 courses of 3 credits each). The 9th and 10th semesters shall fully consist of MBA courses as structured in the 2nd year of the MBA programme.
13. Course Structure: As it is a modular programme as students make walk out with Certificate/Diploma/Advanced Diploma/B Tech/Dual degree B Tech MBA as described in point no. 6, the course contents should be compatible. The input of 48 credits is identified as the “Management Domain Course” from the present B Tech course structure. Thus, in the total course structure, management domain courses would be 48 (during 3rd to 8th semester) and 48 credits (during 9th and 10th semester)
14. Branch at B Tech and specialization at MBA: While students will carry out the B Tech module in any of the branches offered under the School of Engineering (viz. Mechanical, Civil, FET. Electrical, ECE, CSE), they would be able to opt for specializations such as Marketing, Finance, Operations, HR, IT etc. in the 9th and 10th semester at SoMS. However, because of faculty and space constraints, all kinds of choices may not be offered in the initial years.
15. Internalization of the programme: An effort will be made to explore the possibility of internationalization of programme – for making the programme available to international students as well as collaborating with international universities etc.
16. AICTE approval: The AICTE cell of the University will initiate process for obtaining approval from AICTE. They will also provide assistance so that the programme adheres to the requirements and regulations, if any. As informed by the Convenor, AICTE Cell - To start a new course whose nomenclature is not available in the Approval Process Handbook, detailed Syllabus and curriculum and its nomenclature are required to be submitted to the Policy and Academic Planning Bureau, AICTE New Delhi with due endorsement by the Registrar, before 30th November of the Calendar Year. The same will be sent to AICTE after obtaining approval of the Academic Council.
17. Standing Committee: The process of preparation of course structure, detailed course contents etc. will be prepared in consultation with the standing committee comprising of Dean, AA, Dean, SoE, Dean SoMS and all the Heads of the Departments under School of Engineering and the Head, Department of Business Administration. Dr Rupam Goswami and Prayash Baruah are members of the Committee.

18.Course Structure:

MECHANICAL

Semester	Course Code	Course Name	Credit	TAG	Offered by
1	SEEC104	Universal Human Values	3	HSMC	
2	DDBD100	Design Thinking	1	ESC	
3		Engineering Economics &Entrepreneurship	3	HSMC	
4					
5		Production and Operations Management	4	PCC	
5	SEEC302	Finance and Accounting	3	HSMC	
6		Product Innovation, Marketing and Finance	4	PCC	
7		Open Elective	3	OE	SWAYAM
8		Open Elective	3	OE	SWAYAM
8		Project	8	PROJ	
		Total	32		

ELECTRONICS & COMMUNICATION (ECE)

Semester	Course Code	Course Name	Credit	TAG	Offered by
1	DDBD100	Design Thinking	1	ESC	
2	SEEC104	Universal Human Values	3	HSMC	
3					
4	SEEC200	Engineering Economics &Entrepreneurship	3	HSMC	
5					
5					
6	SEEC302	Finance and Accounting	3	HSMC	
7		Management - Elective	3	HSMC	
7		Open Elective III	3	OE	SWAYAM
8		Open Elective IV	3	OE	SWAYAM
8		Project	12	PROJ	
		Total	31		

ELECTRICAL (EE)

Semester	Course Code	Course Name	Credit	TAG	Offered by
1	DDBD100	Design Thinking	1	ESC	
2	SEEC104	Universal Human Values	3	HSMC	
3					
4	SEEC200	Engineering Economics &Entrepreneurship	3	HSMC	
5					
5					

6	SEEC302	Finance and Accounting	3	HSMC	
7		Management - Elective	3	HSMC	
7		Open Elective 4	3	OE	SWAYAM
8		Open Elective 5	3	OE	SWAYAM
8		Project	12	PROJ	
		Total	31		

COMPUTER SCIENCE AND ENGINEERING (CSE)

Semester	Course Code	Course Name	Credit	TAG	Offered by
1	DDBD100	Design Thinking	1	ESC	
2	SEEC104	Universal Human Values	3	HSMC	
3					
4	SEEC200	Engineering Economics & Entrepreneurship	3	HSMC	
5	SEEC300	Professional Practice, Law & Ethics of engineering	0	HSMC	
5					
6	SEEC302	Finance and Accounting	3	HSMC	
7		Management - Elective	3	HSMC	
7		Open Elective I	3	OE	SWAYAM
8		Open Elective III	3	OE	SWAYAM
8		Project	12	PROJ	
		Total	31		

FOOD ENGINEERING & TECHNOLOGY

Semester	Course Code	Course Name	Credit	TAG	Offered by
1	SEEC104	Universal Human Values	3	HSMC	
2	DDBD100	Design Thinking	1	ESC	
3	SEEC200	Engineering Economics & Entrepreneurship	3	HSMC	
4		Food Enterprise Development	3	PEC	
5	SEEC302	Finance and Accounting	3	HSMC	
6		Food Supply Chain Management	3	PEC	
6	SEEC300	Professional Practice, Law & Ethics of engineering	0	HSMC	
7		Open Elective II	3	OE	SWAYAM
8		Open Elective III	3	OE	SWAYAM
8		Project 2	8		
		Total	30		
	CIVIL				
1	SEEC104	Universal Human Values	3	HSMC	
2	DDBD100	Design Thinking	1	ESC	

3	SEEC200	Engineering Economics & Entrepreneurship	3	HSMC	
4					
5	SEEC302	Finance and Accounting	3	HSMC	
6		Open Elective II	3	OE	SWAYAM
7		Open Elective III	3	OE	SWAYAM
7		Project I (Option 1 of Option 2)	6		
8		Open Elective IV	3		
8		Project II	6		
		Total	31		

19. Details of Credit Plan for the Management Domain courses

Course Code and Name
BA 201 Management Fundamentals (3 rd Semester B Tech)
BA 202 Marketing Management (4 th Semester B Tech)
BA 301 Organization Behaviour (5 th Semester B Tech)
BA 302 Research Methods in Business (6 th Semester B Tech)
BA 401 Business Communication and Negotiation (7 th Semester B Tech)
BA 402 Human Resource Management (8 th Semester B Tech)

6 courses @ 3 credit = 18 (Minor Courses) during 3rd to 8th semesters

Management Domain courses (covered in the B Tech structure) = 30 credits

Total courses from management domain (1st to 8th semesters) = 48 credits

Semester 9

Core Courses

Code	Course Name	L	T	P	CH	CR
BA 635	Strategic Management	3	0	0	3	3
BA 636	General Elective					
BA 637	Operation Research/ Supply Chain Management	3	0	0	3	3
BA 638	Summer Internship Project	0	0	0	2	2
	Specialisation-A 1					3
	Specialisation-B1					3
	Specialisation-A 2					3
	Specialisation-B2					3
BA 639	Business Ethics and Social Responsibility	2	0	0	2	2
	CBCS (Optional MOOCS)					3

Total Credit = 25

Semester 10

Core Courses

Code	Course Name	L	T	P	CH	CR
BA 645	Entrepreneurship Development Programme	2	0	0	2	2
BA 646	International Business and International Finance	3	0	0	3	3
	Specialisation-A 3					3
	Specialisation-B 3					3
	Specialisation-A 4					3
	Specialisation-B 4					3
BA 647	Dissertation					2
BA 648	Comprehensive Viva					2
	General Elective	3	0	0	3	3
BA 649	Business Analytics	2	0	1	4	3
BA 650	Knowledge Management	3	0	0	0	3
BA 651	Project Management					

Total Credit = 24

Total Credit for the management domain courses = 48+ 49 = 97 credits (minimum)