

Matoshri College of Engineering and Research Centre, Nashik
Curriculum Structure for Bachelor of Technology (B.Tech.) Programme

Second Year Bachelor of Technology (SY. BTech) (2025 Pattern)
Information Technology
Semester III

Table No. 1

Courses				Teaching Scheme Hrs/Week			Examination Scheme and Marks (% of Total Curriculum and Marks)				Credit			
							In_Sem Exam (40%)		End_Sem Exam (60%)	Marks				
Course Code	Course Type	Title of Course	Exam Head	Lect	TUT	PR	CAT_1	CAT_2	ESE	Total	TH	TUT	PR	Total
25U0820	MDM	Computer Architecture	TH	3	-	-	20	20	60	100	3	-	-	3
25U0821	PCC	Operating Systems	TH	3	-	-	20	20	60	100	3	-	-	3
25U0822	PCC	Artificial Intelligence	TH	3	-	-	20	20	60	100	3	-	-	3
25U0823	PCC	Programming Principles and Paradigms	TH	3	-	-	20	20	60	100	3	-	-	3
25U0824	OE	Open Elective*	TW	-	2	-	20		30	50	-	2	-	2
25U0825	PCCL	Operating Systems Lab	PR	-	-	2	20		30	50	-	-	1	1
25U0826	PCCL	Programming Lab	PR	-	-	2	20		30	50	-	-	1	1
25U0827	PCCL	Artificial Intelligence Lab	PR	-	-	2	20		30	50	-	-	1	1
25U0828	EE	Engineering Economics*	TW	-	1	2	20		30	50	-	1	1	2
25U0829	VEC	Value Education Course_1*	TW	-	1	-	20		30	50	-	1	-	1
25U0830	CEP/FP	Community Engagement and Fieldwork Project	TW	-	-	4	20		30	50	-	-	2	2
Total				12	04	12	300		450	750	12	4	6	22
Total Hours/ Week				28			750			-	22			22
NCAC0803:Non-Credit Audit Course_3*				-			-			-	-			-

* Select one

Non-Credit Audit Course_3

Basket/Options for Non-Credit Audit Course_3 (NCAC0803)	
Course Code	Title of Non Audit Course
NCAC0803-A	Ethics and values in IT
NCAC0803-B	Language Study-Spanish-Module-I
NCAC0803-C	Stress Management by Yoga
NCAC0803-D	मराठीचे अभिजात भाषा सौंदर्य

Basket/Options for EE(25U0828)	
Course Code	Title of Course
25U0828-A	Engineering Economics and Financial Management
25U0828-B	Environmental and Energy Economics
25U0828-C	Microeconomics for Engineers
25U0828-D	Economics of Innovation

Basket/Options for Open Elective_1(25U0824)	
Course Code	Title of Course
25U0824-A	Principles of Management and Organizational Behavior
25U0824-B	Corporate Finance
25U0824-C	Logistics and Supply Chain Management
25U0824-D	Human Resource Analytics

Basket/Options for Value Education Course_1(25U0829)	
Course Code	Title of Course
25U0829-A	Environmental Science
25U0829-B	GIS and Remote Sensing
25U0829-C	Sustainable Agriculture Practices
25U0829-D	Environmental Impact Assessment

Matoshri College of Engineering and Research Centre, Nashik(Autonomous)
BTech Information Technology (Course-2025)

Second Year Bachelor of Technology (SY. BTech)(2025 Pattern)

Information Technology

Semester IV

Table No: 02

Courses				Teaching Scheme Hrs/Week			Examination Scheme and Marks (% of Total Curriculum and Marks)				Credit			
							In_Sem Exam (40%)		End_Sem Exam (60%)	Marks				
Course Code	Course Type	Title of Course	Exam Head	Lect	TUT	PR	CAT_ 1	CAT_2	ESE	Total	TH	TUT	PR	Total
25U0831	MD M	Statistics	TH	3	-	-	20	20	60	100	3	-	-	3
25U0832	PCC	Design and Analysis of Algorithms	TH	3	-	-	20	20	60	100	3	-	-	3
25U0833	PCC	Database Management Systems	TH	3			20	20	60	100	3			3
25U0834	PCC	Data Communication and Computer Networks	TH	3	-	-	20	20	60	100	3	-	-	3
25U0835	OE	Open Elective*	TW	-	2	-	20		30	50	-	2	-	2
25U0836	PCCL	Design and Analysis of Algorithms Lab	PR	-	-	2	20		30	50	-	-	1	1
25U0837	PCCL	Database Management Systems Lab	PR	-	-	2	20		30	50	-	-	1	1
25U0838	PCCL	Computer Networks Lab	PR	-	-	2	20		30	50	-	-	1	1
25U0839	ED	Entrepreneurship Development*	TW	-	1	2	20		30	50	-	1	1	2
25U0840	VSEC	Vocational and Skill Enhancement Course_1*	TW	-	1	2	20		30	50	-	1	1	2
25U0841	VEC	Value Education Course_2*	TW	-	-	2	20		30	50	-	-	1	1
Total				12	4	12	300		450	750	12	4	6	22
Total Hours/ Week				28			750				22			22
NCAC0804:Non-Credit Audit Course_4*				-			-				-			-

***Select one**

Non-Credit Audit Course_4 =>

Basket/Options for Non-Credit Audit Course_4 (NCAC0804)	
Course Code	Title of Audit Course
NCAC0804-A	Business Communication
NCAC0804-B	Language Study Spanish-Module-II
NCAC0804-C	Road safety
NCAC0804-D	Quantitative Aptitude and Logical Reasoning

Basket/Options for ED(25U0839)	
Course Code	Title of Course
25U0839-A	Entrepreneur Development
25U0839-B	Design Thinking for Entrepreneurs
25U0839-C	Startup Culture and Innovation
25U0839-D	Business model Canvas and MVP Development

Basket/Options for Open Elective_2 (25U0835)	
Course Code	Title of Course
25U0835-A	Human Resources Management
25U0835--B	Supply Chain Analytics
25U0835-C	Financial Planning and Budgeting
25U0835-D	Talent Acquisition and Performance Management

Basket/Options for Vocational and Skill Enhancement Course (25U0840)	
Course Code	Title of Course
25U0840-A	Web Development using Python
25U0840-B	Python Libraries for Data Science
25U0840-C	Basic Machine Learning Algorithms using Python
25U0840-D	Statistical Methods using Python

Basket/Options for Value Education Course (25U0841)	
Course Code	Title of Course
25U0841-A	Digital Marketing
25U0841-B	Mobile App Development
25U0841-C	Data Visualization and Interpretation
25U0841-D	Renewable Energy Technologies