

Matoshri College of Engineering and Research Centre, Nashik Curriculum Structure for Bachelor of Technology (B.Tech.) Programme (wef AY 2026-27)														
Third Year Bachelor of Technology (TYB.Tech.) (Information Technology) Semester V (2024 Course)														
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	CCE	ESE	Total	TH	TUT	PR	Total
24U0840	MDM	Data Communication and Computer Networks	TH	3	-	-	20	20	60	100	3	-	-	3
24U0841	PCC	Artificial Intelligence	TH	3	-	-	20	20	60	100	3	-	-	3
24U0842	PCC	Web Application Development	TH	3	-	-	20	20	60	100	3	-	-	3
24U0843	PCC	Operating Systems	TH	3	-	-	20	20	60	100	3	-	-	3
24U0844	PEC	Program Elective Course_1*	TH	3	-	-	20	20	60	100	3	-	-	3
24U0845	OE	Open Elective*	TW	-	1	2	20		30	50	-	1	1	2
24U0846	PCCL	Artificial Intelligence Lab	PR	-	-	2	20		30	50	-	-	1	1
24U0847	PCCL	Web Application Development Lab	PR	-	-	2	20		30	50	-	-	1	1
24U0848	PCCL	Operating Systems Laboratory	PR	-	-	4	20		30	50	-	-	2	2
24U0849	PECL	Program Elective Course_1 Lab	TW	-	-	2	20		30	50	-	-	1	1
Total				15	01	12	300		450	750	15	1	6	22
Total Hours/ Week				28			750				22			
NCAC0805: Non-Credit Audit Course_5*				-			-				-			

Program Elective Course_1	
CourseCode	TitleofCourse
24U0844-A	Foundation of Quantum Computing
24U0844-B	Computer Graphics and Virtual Reality
24U0844-C	Natural Language Processing
24U0844-D	Data Mining and Warehousing

Basket/Options for Open Elective_1 (24U0845)	
Course Code	Title of Course
24U0845-A	Marketing Management
24U0845-B	Strategic Human Resource Management
24U0845-C	Financial Risk Management
24U0845-D	Inventory, Procurement and sourcing

* **Course Basket:**
Select one

Basket/OptionsforNon-CreditAuditCourse_5(NCAC0805)	
CourseCode	TitleofNonAuditCourse
NCAC0805-A	Aptitude Development
NCAC0805-B	Digital Literacy and Emerging Technologies
NCAC0805-C	Professional Ethics and Human Values
NCAC0805-D	Intellectual Property Rights and Patenting

Program Elective Course_1 Lab	
CourseCode	TitleofCourse
24U0849-A	Foundation of Quantum Computing Lab
24U0849-B	Computer Graphics and Virtual RealityLab
24U0849-C	Natural Language Processing Lab
24U0849-D	Data Mining and Warehousing Lab

Matoshri College of Engineering and Research Centre, Nashik
Curriculum Structure for Bachelor of Technology (B.Tech.) Programme (wef AY 2026-27)

Third Year Bachelor of Technology (TYB.Tech.) (Information Technology)
Semester VI
(2024 Course)

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	CCE	ESE	Total	TH	TUT	PR	Total
24U0850	MDM	Cybersecurity	TH	5	-	-	20	20	60	100	2	-	-	2
24U0851	PEC	Program Elective Course_2*	TH	5	-	-	20	20	60	100	2	-	-	2
24U0852	MDML	Cybersecurity Lab	PR	-	-	4	20		30	50	-	-	1	1
24U0853	PECL	Program Elective Course_2 Lab	PR	-	-	4	20		30	50	-	-	1	1
24U0854	INT	Internship#	INT	-	-	30	100		200	300	-	-	12	12
Total				10	-	8/ 30	220		380	600	04	0	14	18
Total Hours/ Week				18/ 30			600				18			
NCAC0806: Non-Credit Audit Course_6 *				-			-				-			-

#Internship:

The internship shall be of 9 to 10 weeks (approximately 3 months) and will be conducted continuously from the beginning of the semester. During this period, students shall be placed in industry. Students are required to complete 40 hours per week for 9–10 weeks, amounting to 360 to 400 hours, for which 12 credits shall be awarded. or the remaining courses, theory lectures, course assessments, and internship-related assessment/work shall be conducted when students are on campus for approximately 6 to 8 weeks after completion of the internship. During the internship period, online lectures for all remaining courses shall be conducted on Saturdays.

Basket/OptionsforNon-CreditAuditCourse_6(NCAC08065)	
CourseCode	TitleofNonAuditCourse
NCAC0806-A	Cyber Ethics and Data Privacy
NCAC0806-B	Startup Ecosystems and Innovation practices
NCAC0806-C	Financial Literacy and Investment Awareness
NCAC0806-D	Leadership and Emotional Intelligence

Program Elective Course_2	
Course Code	Title of Course
24U0851-A	Cloud Computing
24U0851-B	Virtual and Augmented Reality
24U0851-C	Big Data Analytics
24U0851-D	Knowledge Engineering

Program Elective Course_2Lab	
Course Code	Title of Course
24U0853-A	Cloud Computing Lab
24U0853-B	Virtual and Augmented Reality Lab
24U0853-C	Big Data Analytics Lab
24U0853-D	Knowledge Engineering Lab