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COMPUTER ENGINEERING

B.Tech. in Computer Engineering is an undergraduate program which started in the Academic Year of 2006-2007. The objective of this program is to prepare students technically and professionally with grave importance on developing citizenship values while maintaining high ethical standards. The program also inspires students to undertake higher studies (Post graduation etc.) and research oriented careers. The curriculum is following international standards (ABET requirements) which means creating a balance of mathematics, basics sciences and humanities and computer engineering.

- **Program duration**: 4 Years

- **Intake:** Mumbai- 60 Seats

    Shirpur – 60 Seats

    Indore – 60 Seats

    Navi Mumbai – 60 Seats

- **Unique features of the program:**
    - Modern facilities to provide ambience and technical support for curricular and extra-curricular activities for the overall development of students.
    - Dedicated, qualified faculty to ensure high standards of Teaching, Learning and Evaluation processes.
    - Periodic review and revision of the curriculum, based on the feedback from the industry, to ensure the relevance of the program to the changing needs of industry.
    - Semester-wise planning of the academic year ensures optimized utilization of the resources effectively and efficiently.
    - Industry internships and industry based project works are arranged as a part of the broader curricula to facilitate recognition and rewards to the students in the form of job offers or supportive background for further studies and research.

- **Annual Student Enrolment and Graduation data:**

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Table- 1 Annual Students Enrolled

Computer Engineering	2014-15	2015-16	2016-17	2017-18	2018-19
	126	120	119	108	121

Table- 2 Annual Graduation Data Academic Year

Computer Engineering	2014-15	2015-16	2016-17	2017-18	2018-19
	109	117	106	122	106

- **Curriculum:**

  List of B.Tech - Computer Engineering Courses (/docs/Course_BTech.pdf)

  List of B.Tech - Computer Engineering Courses (/docs/Elective_BTech.pdf)

Campuses

Mumbai (https://nmims.edu/mumbaicampus)
Bengaluru (https://nmims.edu/bengalurucampus)
Shirpur (https://nmims.edu/shirpurcampus)
Hyderabad (https://nmims.edu/hyderabadcampus)
Indore (https://nmims.edu/indorecampus)
Navi Mumbai (https://nmims.edu/navimumbaicampus)
Dhule (https://nmims.edu/dhulecampus)
Chandigarh (https://nmims.edu/chandigarhcampus)

Administration

Chancellor (http://www.nmims.edu/about/offices-and-administration/chancellor/)
Vice Chancellor (http://www.nmims.edu/about/offices-and-administration/vice-chancellor/)
University Administration (https://nmims.edu/administration-team)
Faculty & Staff (http://www.nmims.edu/faculty-and-staff/)

Press Room

Press News (https://nmims.edu/news)
Reports & Plans (https://nmims.edu/reports-and-plans)
UGC - Videos Regarding Ragging (https://ugc.ac.in/page/Videos-Regarding-Ragging.aspx)
National Academic Depository (NAD) (http://www.nad.gov.in)

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Hostel Application Form (https://www.nmims.edu/nmims-old-website/students/campus-life/hostel-application-form/)
Grievances (https://nmims.edu/department-of-welfare)
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Mandatory Disclosure (http://www.nmims.edu/mandatory-disclosure/)
AICTE Faculty Feedback (https://www.aicte-india.org/feedback/index.php)
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Course Structure for B Tech Computer Engineering Program (Batch 2022-26)							
Year of the Programme : First Year (Academic Year 2022-23)							
Semester I				**Semester II**			
Sr. No.	Course Name	Credit/s		Sr. No.	Course Name	Credit/s	
1	Calculus	4		1	Linear Algebra and Differential Equations	4	
2	Physics	4		2	Quantum and Statistical Physics	3	
3	Elements of Biology	3		3	English Communication	1	
4	Programming for Problem Solving	4		4	Basic Electrical and Electronics Engineering	3	
5	Engineering Graphics and Design	3		5	Management Accounting for Engineers	2	
6	Professional Ethics	1		6	Environmental Science	2	
7	Constitution of India	0		7	Digital Manufacturing Laboratory	1	
8	Critical Thinking	0		8	Electrical and Electronics Workshop	1	
				9	Design Thinking	0	
				10	Python Programming	1	
	Total	**19**			**Total**	**18**	
Year of the Programme : Second Year (Academic Year 2023-24)							
Semester III				**Semester IV**			
Sr. No.	Course Name	Credit/s		Sr. No.	Course Name	Credit/s	
1	Probability and Statistics	3		1	Complex Variables and Transforms	4	
2	Discrete Mathematics	3		2	Computer Organization and Architecture	3	
3	Technical Communication	1		3	Design and Analysis of Algorithms	3	
4	Principles of Economics and Management	3		4	Database Management Systems	3	
5	Digital Logic Design	3		5	Microprocessor and Microcontroller	4	
6	Data Structures and Algorithms	4		6	Theoretical Computer Science	3	
7	Computer Networks	3		7	Web Programming	3	
8	Data Extraction and Processing	2		8	Object Oriented Programming through JAVA	1	
9	Community Service	0					
	Total	**22**			**Total**	**24**	
Year of the Programme : Third Year (Academic Year 2024-25)							
Semester V				**Semester VI**			

Sr. No.	Course Name	Credit/s		Sr. No.	Course Name	Credit/s
1	Software Engineering	3		1	Cyber Security	3
2	Artificial Intelligence	3		2	Distributed Computing	3
3	Image and Video Processing	3		3	Machine Learning	3
4	Operating Systems	3		4	Department Elective II	3
5	Department Elective I	3		5	Department Elective III	3
6	Open Elective I	3		6	Open Elective III	3
7	Open Elective II	3		7	Open Elective IV	3
				8	Interpersonal Skills	1
	Total	**21**			**Total**	**22**

Year of the Programme : Fourth Year (Academic Year 2025-26)

Semester VII				**Semester VIII**		
Sr. No.	Course Name	Credit/s		Sr. No.	Course Name	Credit/s
1	Cloud Computing	3		1	Project	10
2	Department Elective IV	3				
3	Department Elective V	3				
4	Department Elective VI	3				
5	Open Elective V	3				
6	Capstone Project	4				
	Total	**19**			**Total**	**10**

Total Credits for the Programme	155