



BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT
(Autonomous Institution Affiliated to VTU, Belagavi)

B. E. in Information Science and Engineering

Scheme of Teaching and Examinations – 2022 Scheme

Outcome-Based Education (OBE) and Choice Based Credit System (CBCS)

VIII Semester

Sl. No.	Course Category	Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Credits Distribution				Examination				Contact Hours/week
					L	T	P	Total	CIE Marks	SEE Marks	Total Marks	SEE Duration (H)	
1	PEC	BCS801X	Professional Elective Course IV (Online courses)	TD: CS PSB: CS	3	0	0	3	25	75	100	3	-
2	OEC	BCS802X	Open Elective Course III (Online courses)		3	0	0	3	25	75	100	3	-
3	INT	BCS803	Industry Internship / Research Internship	-	0	0	10	10	100	100	200	3	20
TOTAL					0	0	10	16	150	250	400	-	20
Professional Elective Course IV (Online courses)				Open Elective Course III (Online courses)									
Course Code	NPTEL Course ID		Course Name	Course Code	NPTEL Course ID		Course Name						
noc26-cs82	https://onlinecourses.nptel.ac.in/noc26_cs82/preview		Social Networks	noc26-mg11	https://onlinecourses.nptel.ac.in/noc26_mg11/preview		Business Fundamentals for Entrepreneurs						
noc26-cs81	https://onlinecourses.nptel.ac.in/noc26_cs81/preview		Reinforcement Learning	noc26-cmg41	https://onlinecourses.nptel.ac.in/noc26_mg41/preview		E-business						
noc26-cs88	https://onlinecourses.nptel.ac.in/noc26_cs88/preview		Introduction to Large Language Models (LLMs)	noc26-hs78	https://onlinecourses.nptel.ac.in/noc26_hs78/preview		German – I						
noc26-cs38	https://onlinecourses.nptel.ac.in/noc26_cs38/preview		Introduction to Industry 4.0 and Industrial Internet of Things	noc26-bt43	https://onlinecourses.nptel.ac.in/noc26_bt43/preview		Human Physiology						

noc26-cs43	https://onlinecourses.nptel.ac.in/noc26_cs43/preview	GPU Architectures and Programming	noc26-ce40	https://onlinecourses.nptel.ac.in/noc26_ce40/preview	Industrial Wastewater Treatment
noc26-cs60	https://onlinecourses.nptel.ac.in/noc26_cs60/preview	Advanced Computer	noc26-hs116	https://onlinecourses.nptel.ac.in/noc26_hs116/preview	Online Communication in the Digital Age
noc26-cs70	https://onlinecourses.nptel.ac.in/noc26_cs70/preview	Human Computer Interaction	noc26-me01	https://onlinecourses.nptel.ac.in/noc26_me01/preview	Robotics: Basics and Selected Advanced Concepts
noc26-cs07	https://onlinecourses.nptel.ac.in/noc26_cs06/preview	Exploratory Data Analysis for Data Science with R Software(English)	noc26-mg60	https://onlinecourses.nptel.ac.in/noc26_mg60/preview	Talent Acquisition and Management
noc26-cs03	https://onlinecourses.nptel.ac.in/noc26_cs03/preview	Foundation for Virtual and Augmented Reality Systems	noc26-mg61	https://onlinecourses.nptel.ac.in/noc26_mg61/preview	Leadership and Team Effectiveness
noc26-cs17	https://onlinecourses.nptel.ac.in/noc26_cs17/preview	Secure Computation: Part I	noc26-me98	https://onlinecourses.nptel.ac.in/noc26_me98/preview	Computer Integrated Manufacturing: From Concept to Implementation
			noc26-bt01	https://onlinecourses.nptel.ac.in/noc26_bt01/preview	Healthcare Entrepreneurship

Professional Elective / Open Elective Online Courses: These are ONLINE courses suggested by the respective Board of Studies. Details of these courses shall be made available for students during the VI semester only. Students are required to choose only the courses which are suggested by the respective BoS. Duration of the online course should be of a minimum of 12 weeks. Students can able to complete the specified online courses with a qualifying certificate issued by the competent authority. The online courses can be registered and completed from the VI semester onwards and the credits will be considered during the VIII semester only. The courses are to be chosen from the SWAYAM – NPTEL platform only. The credits earned for these courses will not be considered for claiming the credits under the Honors Degree programme.

Industry Internship / Research Internship: The mandatory Industry / Research internship is for 14 to 20 weeks. The internship shall be considered as a head of passing and shall be considered for the award of a degree. Those who do not take up/complete the internship shall be declared to fail and shall have to complete it during the subsequent examination after satisfying the internship requirements.

Research internship: A research internship is intended to offer the flavour of current research going on in the research field. It helps students get familiarized with the field and imparts the skill required for carrying out research.

Industry internship: Is an extended period of work experience undertaken by students to supplement their degree for professional development. It also helps them learn to overcome unexpected obstacles and successfully navigate organizations, perspectives, and cultures. Dealing with contingencies helps students recognize, appreciate, and adapt to organizational realities by tempering their knowledge with practical constraints.

Surekha