



BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT

(Autonomous Institution Affiliated to VTU, Belagavi)

B. E. in Artificial Intelligence & Machine Learning

Scheme of Teaching and Examinations – 2022 Scheme

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

(Effective from the academic year 2022-23 onwards)

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
					T	P	Total	CIE Marks	SEE Marks	Total Marks	SEE Duration (H)	
1	PEC	BAI801X	Professional Elective Course IV (Online courses)	TD: AIML PSB: AIML	0	0	3	25	75	100	3	-
2	OEC	BAI802X	Open Elective Course III (Online courses)		0	0	3	25	75	100	3	-
3	INT	BAI803	Industry Internship / Research Internship	-	0	10	10	100	100	200	3	20
TOTAL					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
NOC25-CS62	https://onlinecourses.nptel.ac.in/noc25_cs62/preview	Reinforcement Learning	NOC25_H S59	https://onlinecourses.nptel.ac.in/noc25_hs59/preview	Online Communication in the Digital Age
NOC25-CS43	https://onlinecourses.nptel.ac.in/noc25_cs43/preview	Introduction To Industry 4.0 And Industrial Internet Of Things	NOC25_H S28	https://onlinecourses.nptel.ac.in/noc25_hs28/preview	Globalization: Theoretical Perspectives
NOC25-CS35	https://onlinecourses.nptel.ac.in/noc25_cs35/preview	Games and Information	NOC25_M G62	https://onlinecourses.nptel.ac.in/noc25_mg62/preview	Supply Chain Digitization
NOC25-CS36	https://onlinecourses.nptel.ac.in/noc25_cs36/preview	Getting Started with Competitive Programming	NOC25_M G64	https://onlinecourses.nptel.ac.in/noc25_mg64/preview	Talent Acquisition and Management
NOC25-AG0 6	https://onlinecourses.nptel.ac.in/noc25_ag06/preview	Machine Learning for Soil and Crop Management	NOC25_M G12	https://onlinecourses.nptel.ac.in/noc25_mg12/preview	Business Ethics
NOC25-MG0 8	https://onlinecourses.nptel.ac.in/noc25_mg08/preview	Artificial Intelligence (AI) for Investments	NOC25-M G38	https://onlinecourses.nptel.ac.in/noc25_mg38/preview	Leadership and Team Effectiveness

NOC25-MA5 9	https://onlinecourses.nptel.ac.in/noc25_ma59/preview	Optimization Algorithms: Theory and Software Implementation	NOC25-A G09	https://onlinecourses.nptel.ac.in/noc25_ag09/preview	Soil and Water Conservation Engineering
NOC25-CS45	https://onlinecourses.nptel.ac.in/noc25_cs45/preview	Introduction to Large Language Models (LLMs)	NOC25-CH24	https://onlinecourses.nptel.ac.in/noc25_ch24/preview	Environmental Quality Monitoring & Analysis
NOC25-CS09	https://onlinecourses.nptel.ac.in/noc25_cs09/preview	Business Intelligence & Analytics	NOC25-A-G04	https://onlinecourses.nptel.ac.in/noc25_ag04/preview	Food Science and Technology
NOC25-CS04	https://onlinecourses.nptel.ac.in/noc25_cs04/preview	Affective Computing	NOC25-MG50	https://onlinecourses.nptel.ac.in/noc25_mg50/preview	Organizational Behaviour: Individual Dynamics in Organization
NOC26-CS01	https://onlinecourses.nptel.ac.in/noc26_cs01/preview	Foundations of Deep Learning: Concepts and Applications	NOC25- HS43	https://onlinecourses.nptel.ac.in/noc25_hs43/preview	Introduction to Japanese Language and Culture
NOC26-CS81	https://onlinecourses.nptel.ac.in/noc26_cs81/preview	Reinforcement Learning	NOC25- HS25	https://onlinecourses.nptel.ac.in/noc25_hs25/preview	German - I
NOC26-CS88	https://onlinecourses.nptel.ac.in/noc26_cs88/preview	Introduction to Large Language Models (LLMs)	NOC25- EC03	https://onlinecourses.nptel.ac.in/noc25_ec03/preview	Health Economics
NOC26-CS38	https://onlinecourses.nptel.ac.in/noc26_cs38/preview	Introduction to Industry 4.0 and Industrial Internet of Things	NOC25- DE04	https://onlinecourses.nptel.ac.in/noc25_de04/preview	Strategies for Sustainable Design
NOC26_CS69	https://onlinecourses.nptel.ac.in/noc26_cs69/preview	Getting Started with Competitive Programming	NOC25- MG05	https://onlinecourses.nptel.ac.in/noc25_mg05/preview	AI in Human Resource Management
NOC26-AG12	https://onlinecourses.nptel.ac.in/noc26_ag12/preview	Machine Learning for Soil And Crop Management	NOC25- MG07	https://onlinecourses.nptel.ac.in/noc25_mg07/preview	AI in Product Management
NOC26-CS21	https://onlinecourses.nptel.ac.in/noc26_cs21/preview	Games and Information	NOC25- MG10	https://onlinecourses.nptel.ac.in/noc25_mg10/preview	Business Analytics For Management Decision
NOC26-CS41	https://onlinecourses.nptel.ac.in/noc26_cs41/preview	Foundations of Cyber Physical Systems	NOC25- MG19	https://onlinecourses.nptel.ac.in/noc25_mg19/preview	E-Business
NOC26-CS64	https://onlinecourses.nptel.ac.in/noc26_cs64/preview	Business Intelligence & Analytics	NOC25- MG23	https://onlinecourses.nptel.ac.in/noc25_mg23/preview	Financial Management For Managers
NOC26-CS86	https://onlinecourses.nptel.ac.in/noc26_cs86/preview	Data Analytics with Python	NOC25- MG55	https://onlinecourses.nptel.ac.in/noc25_mg55/preview	Quality Design And Control

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-----	-----	-----	NOC25- HS12	https://onlinecourses.nptel.ac.in/noc25_hs12/preview	Education for Sustainable Development
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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 V 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 vacation of V 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 flavor 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.



HoD/AIM L

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