



SAPTHAGIRI NPS
UNIVERSITY

UNMATCHED EXCELLENCE, UNLIMITED POTENTIAL

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

School of Engineering and Technology

Department of
Computer Science and Engineering –
Artificial Intelligence and Machine
Learning

2026 Batch Admitted
Master of Technology in CSE-AIML

1st, 2nd, 3rd & 4th Semester M.Tech.

SCHEME & SYLLABUS

2026 Scheme

Sapthagiri NPS University [SNPSU]

(Approved by UGC, New Delhi and Private University under Govt., of Karnataka)

No. 14 / 5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057.

Website: www.snpsu.edu.in



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Sapthagiri NPS University, BENGALURU-560057.

M.Tech. in Computer Science and Engineering (Artificial Intelligence and Machine Learning); Scheme of Teaching and Examinations 2026 batch

Outcome Based Education (OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2026-27)

I Semester

SN	Course Type	Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching Hours /Week			Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIA Marks	SEE Marks	Total Marks	
					L	T	P					
1.	ES	26MTAML101	Artificial Intelligence and Intelligence Systems	TD: CSE-AIML PSB: CSE-AIML	3	0	2	03	50	50	100	4
2.	ES	26MTAML102	Machine Learning Algorithms	TD: CSE-AIML PSB: CSE-AIML	3	0	2	03	50	50	100	4
3.	ES	26MTAML103	Deep Learning Techniques	TD: CSE-AIML PSB: CSE-AIML	2	0	2	03	50	50	100	3
4.	ES	26MTAML104	Advanced Data Structures and Algorithms	TD: CSE-AIML PSB: CSE-AIML	3	0	0	03	50	50	100	3
5.	PE	26MTAML1XX	Professional Elective - I	TD: CSE-AIML PSB: CSE-AIML	3	0	0	03	50	50	100	3
6.	ES	26MTAML105	Research Methodology and IPR	TD: CSE-AIML PSB: CSE-AIML	2	0	0	03	50	50	100	2
7.	AE	26MTAML106	Audit Course(Personality Development)	TD: HRD PSB: HRD	1	0	0	03	100	0	100	1
Total								400	300	700	20	

ES: Engineering Science Course, **PC:** Professional Course, **PW:** Project Work/Mini Project, **IS:** Internship / Technical Seminar, **PE:** Professional Elective Course, **L:** Lecture, **T:** Tutorial, **P:** Practical, **CIA:** Continuous Internal Assessment, **SEE:** Semester End Examination.

26MTAML1XX- Professional Elective I

26MTAML111- Big Data Analytics
26MTAML112- Edge and Fog Computing
26MTAML113- Green Computing and Sustainability

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II Semester

SN	Course Type	Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching Hours /Week			Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIA Marks	SEE Marks	Total Marks	
					L	T	P					
1.	ES	26MTAML201	Reinforcement Learning	TD: CSE-AIML PSB: CSE-AIML	2	0	2	03	50	50	100	3
2.	ES	26MTAML202	Prompt Engineering	TD: CSE-AIML PSB: CSE-AIML	3	0	0	03	50	50	100	3
3.	ES	26MTAML203	Natural Language Processing	TD: CSE-AIML PSB: CSE-AIML	3	0	2	03	50	50	100	4
4.	ES	26MTAML204	Generative AI and LLM	TD: CSE-AIML PSB: CSE-AIML	3	0	2	03	50	50	100	4
5.	PE	26MTAML2XX	Professional Elective II	TD: CSE-AIML PSB: CSE-AIML	3	0	0	03	50	50	100	3
6.	PE	26MTAML2XX	Professional Elective III	TD: CSE-AIML PSB: CSE-AIML	3	0	0	04	50	50	100	3
Total								300	300	600	20	

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26MTAML2XX – Professional Elective II

26MTAML2XX– Professional Elective III

26MTAML211- Game Theory and Applications
26MTAML212- Time Series Analysis and Forecasting
26MTAML213- Quantum Machine Learning

26MTAML221- Agentic AI
26MTAML222- Nature Inspired Computing
26MTAML223- Conversational AI

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III Semester

SN	Course Type	Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching Hours /Week			Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIA Marks	SEE Marks	Total Marks	
					L	T	P					
1.	IS	26MTAML301	Industry Internship/Research Internship/Teaching Internship	PSB: CSE-AIML	0	0	16	03	50	50	100	8
2.	IS	26MTAML302	Technical Seminar	PSB: CSE-AIML	0	0	4	03	100	-	100	2
3.	PW	26MTAML303	Project Work Phase- I	TD: CSE-AIML PSB: CSE-AIML	0	0	14	03	50	50	100	7
4.	PE	26MTAML3XX	Professional Elective IV – Online Courses MOOC/NPTEL (12 Weeks)	PSB: MOOC/NPTEL	-	-	-	-	-	-	-	3
Total								200	100	300	20	

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Professional Elective IV

Courses MOOC/NPTEL (12 Weeks)

https://nptel.ac.in/domains/discipline/106?course=106_0

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IV Semester

SN	Course Type	Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching Hours /Week			Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIA Marks	SEE Marks	Total Marks	
					L	T	P					
1.	PW	26MTAML401	Project Work Phase -II	TD: CSE-AIML PSB: CSE-AIML	0	0	36	03	50	50	100	18
Total								50	50	100	18	

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