	Dr. N.G.P. ARTS AND SCIENCE COLLEGE (An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore) Approved by Government of Tamil Nadu and Accredited by NAAC A++ Grade (3 rd Cycle- 3.64 CGPA) Dr. N.G.P.-Kalapatil Road, Coimbatore-641018, Tamil Nadu, India Web: www.drngpsc.ac.in Email: info@drngpsc.ac.in Phone: +91-422-369100	BoS
		9 th

Department of Artificial Intelligence and Machine Learning
Board of Studies Meeting

The minutes of the 9th meeting of Board of Studies held on 02.04.2026 at 10.00 a.m.

Members Present:

S. No.	Name	Category
1	Dr. S. Saranya	Chairman
2	Dr. D. Devakumari PG & Research Department of Information Technology, Government Arts and Science College, Coimbatore.	University Nominee
3	Dr. C. Ram Kumar Professor, Department of ECE, Sri Krishna College of Technology, Coimbatore.	Subject Expert
4	Dr. A. Sarankumar Assistant Professor, Artificial Intelligence and Data Science, Coimbatore Institute of Technology (CIT), Coimbatore.	Subject Expert
5	Mr. V. Sasikumar, Manager, Cognizant, Coimbatore.	Industrial Expert
6	Mr. S. Jey Prabu, System Engineer, Accenture, Bangalore.	Alumni
7	Dr. N. Kuppuchamy, Professor and Head, Department of Tamil.	Co-opted Member
8	Dr. A. Hazel Verbina, Professor and Head, Department of English.	Co-opted Member
9	Dr. R. Sowrirajan, Professor and Head, Department of Mathematics.	Co-opted Member
10	Dr. C. Balakrishnan, Professor and Head, Department of Commerce B&I.	Co-opted Member
11	Dr. P. Deepika, Associate Professor	Member
12	Mrs. P. Shanthi, Assistant Professor	Member
13	Mrs. T. Hashni, Assistant Professor	Member
14	Mrs. J. Vinitha, Assistant Professor	Member

15	Mr. Shailesh III B.Sc. AI&ML	Student Representative
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The Chairman and HoD of the Department of Artificial Intelligence and Machine Learning welcomed and introduced all the members and requested them for their support and contribution for the development of academic standard and enrichment of the syllabus.

Further, Chairman informed the inability of the following members to attend the meeting and requested to grant leave of absence.

1. Dr. P. Deepika - Member

After brief discussion the items of the agenda were taken one by one for discussion and the following resolutions were passed.

Item 9.1: *To review and approve the minutes of the 8th BoS meeting held on 11.11.2025.*

The chairman of the board presented the minutes of the previous meeting held on 11.11.2025 and requested the members to approve. After a brief discussion the following resolution was passed.

Resolution:

Resolved to approve the minutes of the previous meeting held on 11.11.2025.

Item 9.2: *To consider and approve the Regulation, Scheme and Syllabi of I semester for the students admitted during the academic year 2026-2027.*

The Chairman presented the detailed Regulation, Scheme and Syllabi of I semester for the students admitted during the academic year 2026-2027. After discussion the following resolution was passed.

New Courses Introduced: -

Course Code	Course	Reason
26AIU6CB	Generative AI	To impart modern, industry-relevant skills to build intelligent content-generating systems.
26AIU6DD	Intelligent Autonomous System	To build competencies for developing intelligent systems capable of learning and making autonomous decisions in real-world scenarios.
26AIU6DF	Reinforcement Learning	To build capability in designing intelligent systems that learn optimal decision-making strategies through dynamic environments.

Resolution:

Resolved to approve the syllabus for the students admitted during the academic year 2026-2027.

Item 9.3: *To consider and approve the syllabi of III semester for the students admitted during the academic year 2025-2026.*

The Chairman presented the detailed syllabi of III semester for the students admitted during the academic year 2025-2026. The members deliberated in detail about the syllabi and after discussion it is unanimously decided to adopt the same syllabus without any changes. After discussion the following resolution was passed.

Resolution:

Resolved to retain the existing syllabus of 2024-2027 batch without any modification for the students admitted during the academic year 2025-2026.

Item 9.4: *To consider and approve the syllabi of V semester for the students admitted during the academic year 2024-2025.*

The Chairman presented the detailed syllabi of V semester for the students admitted during the academic year 2024-2025. The members deliberated in detail and unanimously decided to adopt the syllabi with the following changes.

Changes Made: -

Course Code	Course	Change & Reason
24AIU5DC	Software Engineering	Dr. D. Devakumari suggested to include Prompt Engineering concepts in Unit V to enable the development of skills in AI-assisted programming.

GE Offered: -

Course Code	Course	Change & Reason
24AIU5GA	AI Essentials	To all UG Programme (other than Computer Science)

After discussion the following resolution was passed with the above changes and modifications.

Resolution:

Resolved to approve the syllabus with the modification adopted for the students admitted during the academic year 2024-2025.

Item 9.5: *To consider and approve the self-study courses offered in III semester for the students admitted during the academic year 2026-2027.*

The board discussed and approved the self-study courses offered in III semester for the students admitted during the academic year 2026-2027.

Self-Study Offered:

Course Code	Course
25AIUSSA	Social Media Mining
25AIUSSB	Generative AI

After discussion the following resolution was passed.

Resolution:

Resolved to approve the self-study courses to earn extra credit during the III semester for the students admitted in the academic year 2026-2027.

Item 9.6: *To review and approve the Student Skill Development Courses (SSDC) / NPTEL courses that are equivalent to course curriculum / Domain-Specific Skill Courses*

The board discussed and approved the following Student Skill Development Courses

NPTEL/Swayam

1. Introduction to Machine Learning
2. Introduction to Internet of Things
3. Fundamentals of Object-Oriented Programming
4. Programming with Generative AI
5. Image Processing using Python
6. Artificial Intelligence: Knowledge Representation and Reasoning

After discussion the following resolution was passed.

Resolution:

Resolved to approve the Student Skill Development Courses / NPTEL courses that are equivalent to course curriculum / Domain-Specific Skill Courses.

Item 9.7: *To approve the panel of examiners for question paper setting and evaluation of answer scripts for odd semester during the academic year 2026-2027.*

The Chairman presented the panel of examiners for question paper setting, question paper scrutiny, conduct of practical and theory examinations and evaluations, the same shall be submitted to CoE for the odd semester during the academic year 2026-27.

Resolution:

Resolved to approve the panel of examiners for Question paper setting, Question paper Scrutiny and conduct of practical and theory examinations and evaluations for the odd semester of the academic year 2026-2027.

Item 9.8: To consider and approve any other item brought forward by the Chairman and the members of the board.

The board discussed and approved the courses offered by NPTEL that are equivalent to the courses offered in the curriculum in the V and VI semesters.

NPTEL Courses	Equivalent Courses	Semester
Introduction to Machine Learning	Machine Learning Techniques	V
Introduction to Internet of Things	Internet of Things and Smart System	VI

Finally, the chairman thanked all the members for their cooperation and contribution in enriching the syllabus with active participation in the meeting and sought the same spirit in the future also. The meeting was closed with a formal vote of thanks proposed by Dr. S. Saranya, Head and Chairman- Department of Artificial Intelligence and Machine Learning.

Date: 02.04.2026


Chairman
BoS Chairman / HoD
Department of Artificial Intelligence and Machine Learning
Dr. N.G.P. Arts and Science College
Coimbatore - 641 048.

Syllabus Revision

Faculty: Computer Science

Board: Artificial Intelligence and Machine Learning

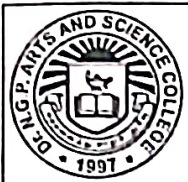
Course Code / Name: 24AIU5DC - Software Engineering

Semester: V

Unit	Existing	Changes
I	Software Engineering Fundamentals Nature of software- Software Process- Software engineering Practice -Process Pattern- Prescriptive process models: Waterfall Model- Incremental Process Model- Evolutionary Model-Concurrent Models- Specialized process models- Personal and Team process model- Unified Process- Product and Process.	
II	Agile Development Agility - Agile Process: Principles – Politics of Agile development- Extreme Programming: XP Process- Industrial XP- Other Agile process models: Scrum- Dynamic systems Development Method-Agile Modeling- Agile unified process – Agile Teams-Tool set for agile process.	
III	Software Requirement Analysis and Design Requirements engineering- Establishing the groundwork- Eliciting Requirements- Negotiating Requirements -Validating Requirements-Design Process-Design Concepts-Design model: Data Design - Architectural Design-Interface Design - Component level design -Deployment level design.	
IV	Software Testing Strategies Strategic Approach to Software Testing -Test strategies for Conventional software: Unit Testing-Integrated Testing-Validation Testing-System Testing- Internal and External views of testing- Control Structure Testing- Art of Debugging Testing for Real-time systems- Software Testing Tools.	End-to-end testing- Test Summary report.

V	<p>Quality Assurance and Management Quality- Software Quality- Achieving Software Quality- Software Quality assurance (SQA): Elements- SQA Formal Approaches-SQA Plan- Quality standards: ISO 9000- Plan of SQA- Software-Configuration-Management-Elements- SCM-Features,-Process-SPI-Approaches-SPI Process-Other-SPI-Framework-SPI-Trends.</p>	<p>AI Driven Code Development Generative AI in Software Development: Models- Debugging and Error Detection- Automated Testing- Accuracy Automation- Software Development- Automating Code- Navigating challenges and opportunities for Generative AI in Software development. Prompt engineering: Prompt patterns - Retrieval-Augmented Generation (RAG)-Risk management in AI systems-Software design with AI- Software testing automation- Workflow automation.</p>
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PERCENTAGE OF SYLLABUS REVISED: 25%



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BoS

9th

ATTENDANCE OF THE NINETH BOARD OF STUDIES MEETING

Faculty: Computer Science


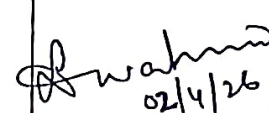

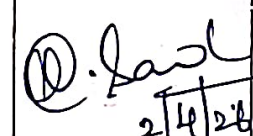
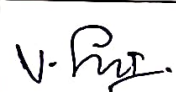
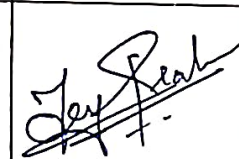
Board: Artificial Intelligence and Machine Learning

Venue : A1 BLOCK- 307

Date : 02.04.2025

Time : 10:00 a.m

The following members were present for the board of studies meeting

S. NO.	NAME	DESIGNATION	SIGNATURE
1	Dr. S. Saranya Head Department of Artificial Intelligence and Machine Learning Dr. N.G.P. ASC	Chairman	 2/4/25
2	Dr. D. Devakumari PG & Research Department of Information Technology, Government Arts and Science College, Coimbatore.	VC nominee	 02/4/25
3	Dr. C. Ram Kumar Professor, Department of ECE, Sri Krishna College of Technology, Coimbatore.	Subject Expert	
4	Dr. A. Sarankumar Assistant Professor, Artificial Intelligence and Data Science, Coimbatore Institute of Technology (CIT), Coimbatore.	Subject Expert	 2/4/25
5	Mr. V. Sasikumar Manager, Cognizant, Coimbatore.	Industrial Expert	
6	Mr. S. Jey Prabu System Engineer, Accenture, Whitefield Bangalore.	Alumni	



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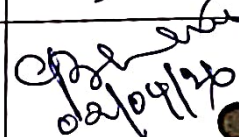

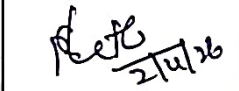

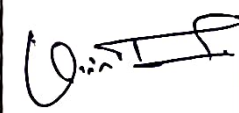

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BoS

9th

7	Dr. N.Kuppuchamy HoD - Department of Tamil Dr. N.G.P. ASC	Co-opted Member	 02/04/24
8	Dr. A. Hazel Verbina HoD - Department of English Dr. N.G.P. ASC	Co-opted Member	 02/04/20
9	Dr. C. Balakrishnan HoD-Department of Commerce-Banking & Insurance Dr. N.G.P. ASC	Co-opted Member	 02/04/24
10	Dr. R.Sowrirajan HoD - Department of Mathematics Dr.N.G.P ASC	Co-opted Member	
11	Dr. P. Deepika Associate Professor Department of Artificial Intelligence and Machine Learning, Dr. N.G.P. ASC	Member	ABSENT
12	Mrs. P. Shanthi Assistant Professor Department of Artificial Intelligence and Machine Learning, Dr. N.G.P. ASC	Member	 21/4/26
13	Mrs. T. Hashni Assistant Professor Department of Artificial Intelligence and Machine Learning, Dr. N.G.P. ASC	Member	
14	Mrs. J. Vinitha Assistant Professor Department of Artificial Intelligence and Machine Learning, Dr. N.G.P. ASC	Member	
15	Mr. K. Shailesh III B.Sc AIML Dr. N.G.P ASC	Student Representative	

Date :02/04/2025


Dr. S. Saranya

BoS Chairman / HoD
Department of Artificial Intelligence and Machine Learning
Dr. N.G.P. Arts and Science College
Coimbatore - 641 048.