	<p align="center">Dr. N.G.P. ARTS AND SCIENCE COLLEGE</p> <p align="center">(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore) Approved by Government of Tamil Nadu and Accredited by NAAC A++ Grade (3rd Cycle- 3.64 CGPA) Dr. N.G.P.-Kalapatti Road, Coimbatore-641048, Tamil Nadu, India Web: www.dnpgpase.ac.in Email: info@dnpgpase.ac.in Phone: +91-422-369100</p>	<p align="center">BoS</p>
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Department of Artificial Intelligence and Machine Learning

Board of Studies Meeting

The minutes of the 8th meeting of Board of Studies held on 11.11.2025 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

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. Mr. S. Jey Prabu - Alumni
2. Mrs. T. Hashni - Member

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

Item 8.1: *To review and approve the minutes of the 7th BoS meeting held on 28.06.2025.*

The chairman of the board presented the minutes of the previous meeting held on 28.06.2025 and requested the members to approve. After brief discussion the following resolution was passed.

Resolution:

Resolved to approve the minutes of the previous meeting held on 28.06.2025.

Item 8.2: *To consider and approve the scheme and syllabi of II semester for the students admitted during the academic year 2025-2026.*

The Chairman presented the detailed Scheme and Syllabi of II semester for the students admitted during the academic year 2025-2026. The members deliberated in detail about the scheme and syllabus of each course, after discussion it is unanimously decided to adopt the same scheme and syllabus without any modification. 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 8.3: *To consider and approve the scheme and syllabi of IV semester for the students admitted during the academic year 2024-2025.*

The Chairman presented the detailed scheme and syllabi of IV semester for the students admitted during the academic year 2024-2025. The members deliberated in detail about the

syllabi 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 2023-2026 batch without any modification for the students admitted during the academic year 2024-2025.

Item 8.4: *To consider and approve the scheme and syllabi of VI semester for the students admitted during the academic year 2023-2024.*

The Chairman presented the detailed syllabi of VI semester for the students admitted during the academic year 2023-2024. The members deliberated in detail and unanimously decided to adopt the syllabi with the following changes.

Changes Made: -

Course Code	Course	Change & Reason
234AI1A6CB	Cybersecurity Essentials	Dr. D. Devakumari suggested to include IKS concepts to create awareness on ancient cryptographic knowledge.

Resolution:

Resolved to approve the syllabus with the modification adopted for the students admitted during the academic year 2023-2024.

Item 8.5: *To consider and approve the self-study courses offered in III semester for the students admitted during the academic year 2025-2026.*

The board discussed and approve the self-study courses offered in III semester for the students admitted during the academic year 2025-2026.

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 2025-2026.

Item 8.6: *To approve the panel of examiners for question paper setting and evaluation of answer scripts for even semester during the academic year 2025-2026.*

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 even semester during the academic year 2025-26.

Resolution:

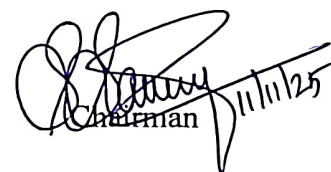
Resolved to approve the panel of examiners for Question paper setting, Question paper Scrutiny and conduct of practical and theory examinations and evaluations for the even semester of the academic year 2025-2026.

Item 8.7: *To consider and approve any other item brought forward by the Chairman and the members of the board.*

- The board suggested to incorporate laboratory components for elective courses.
- The board reviewed the components consider for extra credits.
- Distribution of learning levels in question paper setting was discussed.

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 formal vote of thanks proposed by Dr. S. Saranya, Head and Chairman- Department of Artificial Intelligence and Machine Learning.

Date: 11.11.2025



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

Syllabus Revision

Faculty: Computer Science

Board: Artificial Intelligence and Machine Learning

Course Code / Name: 224AI1A6CB - Cybersecurity Essentials

Semester: VI


Unit	Existing	Changes
I	Cyberspace and Cybersecurity Introduction: Cyberspace and Cyber Security- Standards and Best Practices -Standard for Information Security – ISO IEC 27000 – National Institute of Standards and Technology Cybersecurity Framework and Security Documents – Security Controls for Effective Cyber Defense – COBIT 5 for Information Security.	
II	Information Security Critical National Infrastructure – Confidentiality – Integrity - Availability Triad - Defensive Lifecycle - Intrusion and its types - Intrusion Detection System (IDS) - Characteristics - Types of Intrusion Detection System: Host based IDS, Network Based IDS - Intrusion Detection and Prevention Principles.	
III	Cybercrime Source Identification Techniques Cyber Forensic - Intrusion activities - Attribution and Traceback – Attribution Difficulty - Assumptions - IP address and Traceback mechanism - Classification of Traceback Schemes - Evaluation of IP Traceback Schemes - Active Response Characteristics - Sleepy Watermark Tracing.	
IV	Stepping Stone Detection System Accountability - Stepping Stones – Timing Based Stepping Stone Detection Approach - Brute Force Content Based Algorithm - Simple Content Based Algorithm - Anomaly Detection Techniques.	


V	Infrastructural Vulnerabilities Flooding Attacks: Commercial-Off-The-Shell (COTS) Software and Internet Security - Shortfalls in Internet Structure - Cooperative Intrusion Traceback and Response Architecture – Distributed Denial of Service (DDoS) Flooding Attacks - DDoS Attacks on OSI Layers - Cyberwar.	Indian Knowledge System Introduction, Vedic Corpus, Indian Scheme of Knowledge. Knowledge: Triangle, Framework, Deductive and inductive logic framework.
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PERCENTAGE OF SYLLABUS REVISED: 16%

COURSE FOCUSES ON:

<input checked="" type="checkbox"/>	Skill Development	<input type="checkbox"/>	Entrepreneurial Development
<input checked="" type="checkbox"/>	Employability	<input type="checkbox"/>	Innovations
<input type="checkbox"/>	Intellectual Property Rights	<input type="checkbox"/>	Gender Sensitization
<input type="checkbox"/>	Social Awareness/ Environment	<input type="checkbox"/>	Constitutional Rights/ Human Values/ Ethics


 BOS Chairman / HoD
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		8th

ATTENDANCE OF THE EIGHTH BOARD OF STUDIES MEETING

Faculty: Computer Science

Board: Artificial Intelligence and Machine Learning

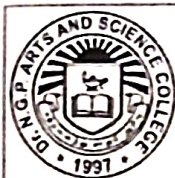
Venue : A1 BLOCK- 307

Date : 11.11.2025

Time : 10:00 a.m

The following members were present for the board of studies meeting

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



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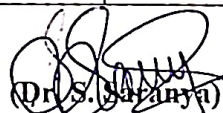
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BoS

8th

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

Date :11/11/2025


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