

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 (3rd Cycle- 3.64 CGPA)
Dr. N.G.P.-Kalapatti Road, Coimbatore-641048, Tamil Nadu, India
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BoS

12th

Board of Studies Meeting

Department of Computer Science with Cognitive Systems

The minutes of the 12th Board of Studies meeting was held on 02.04.2026 at 9.30 am.

Members Present:

S. No.	Name	Category
1.	Dr. A. Nirmala, Professor and Head	Chairman
2.	Dr. P. Prabhusundhar, Assistant Professor Department of Computer Science Gobi Arts and Science College, Gobi	University Nominee
3.	Dr. K. Ranjith Singh Associate Professor & Head, Department of Computer Technology, Karpagam Academy of Higher Education, Coimbatore	Subject Expert
4.	Dr. A. Saravanan Associate Professor, Department of Computing Coimbatore Institute of Technology, Coimbatore	Subject Expert
5.	Mr. Ravikumar Murthy Region Head - Academic Alliances Human Resources TATA Consultancy Services, Chennai	Industry Expert
6.	Ms. P. Keshika, Package App Development Associate Accenture, Coimbatore	Alumni
7.	Dr. N. Kuppuchamy, Associate 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, Assistant Professor and Head, Department of Mathematics	Co-opted Member
10.	Dr. S. Namashivayam, Professor & Head Department of Commerce-BPS	Co-opted Member
11.	Dr. R. Senthil Kumar, Professor	Member
12.	Dr. B. Senthil Kumar, Assistant Professor	Member
13.	Dr. P. Esther Jebarani, Assistant Professor	Member
14.	Mrs. S. Vishnu Priya, Assistant Professor	Member
15.	Ms.P.Bhavya, Assistant Professor	Member
16.	Mr.N.Aswin,III B.Sc. CSCs	Student Representative

The HoD and Chairman of the Department of Computer Science with Cognitive Systems welcomed and introduced all the members and requested for continuous support, contribution for the development of academic standard and enrichment of the syllabus.

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

1. Mr. Ravikumar Murthy- Industry Expert

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

Item 12 .1: *To review and approve the minutes of the previous 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 12.2: *To consider and approve the Regulations, scheme and syllabi for I semester for the students admitted during the academic year 2026-27*

The chairman of the board presented the detailed scheme and syllabus for the I semester for the students admitted during the academic year 2026-27.

New Course Introduced

Semester	Course Code	Course	Reason
III	26CGU3CA	Cognition and Problem Solving	To understand human cognitive processes and apply them to design intelligent, human-centered systems.
IV	26CGU4SP	Network Programming	To enhance practical understanding of networking concepts and skills.
VI	26CGU6DE	Robotics	To provide foundational knowledge of algorithm design, computer vision and real-time applications.

VI	26CGU6SP	Infrastructure Monitoring and Automation	To enhance the practical skills on management of SCOM and SCCM architectures.
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After discussion, the following resolution was passed.

Resolution:

Resolved to approve the regulation, scheme and syllabus for the I Semester for the students admitted during the academic year 2026-27.

Item 12.3: *To consider and approve syllabi for III semester for the students admitted during the academic year 2025-26.*

The Chairman presented the detailed syllabus for the III semester for the students admitted during the academic year 2025-26.

Changes Made:

Course Code	Course	Reason
25CGU3SP	SQL-PL/SQL	Dr.P. Prabhusundhar recommended to include programs on NoSQL to learn contemporary, non-relational methods for storing and managing data efficiently.

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

Resolution:

Resolved to approve the above modification and adopt the revised syllabus for the students admitted from the academic year 2025-26.

Item 12.4: *To consider and approve the syllabi for V semester for the students admitted during the academic year 2024-25.*

The Chairman presented the detailed syllabus for the V semester for the students admitted during the academic year 2024-25.

Changes Made: -

Course Code	Course	Change & Reason
24CGU5CB	Software Testing	Dr.A. Saravanan suggested to include AI-assisted concepts and automation tools in Unit 5 for efficient handling of complex, large-scale applications in modern software development environments.

GE Offered: -

Course Code	Course	Change & Reason
24CGU5GA	Smart Living with IoT	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 syllabi for the V Semester with the modification adopted for the students admitted during the academic year 2024-2025.

Item 12.5: To consider and approve the self-study courses for the students admitted during the academic year 2025-26.

Course Code	Course
25CGUSSA	Software Project Management
25CGUSSB	Data Center Management

The board approved the syllabus of the self-study courses offered in III Semester for the students admitted during the academic year 2025-26.

After discussion, the following resolution was passed.

Resolution:

Resolved to approve the self-study courses for the students admitted during the academic year 2025-26.

Item 12.6: *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 IoT
3. Cyber Security and Privacy
4. Software Testing
5. Human-Computer Interaction
6. Data Science
7. Fundamentals of Object-Oriented Programming

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 12.7: *To approve the panel of examiners for question paper setting and evaluation of answer scripts for the odd semester of the academic year 2026-27.*

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

Resolution:

Resolved to approve the panel of examiners for Question paper setting, Question paper Scrutiny, conduct of practical and theory examinations and evaluation for the odd semester of the academic year 2026-27.

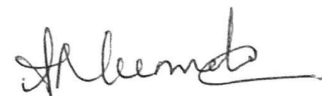
Item 12.8: *To consider and approve any other item brought forward by the Chairman and the members of the board.*

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 Principles	V
Introduction to Internet of Things	Design and Architecture of IoT	VI
Human Computer Interaction	Human Computer Interaction	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. R. Senthil Kumar**, Professor/ BoS Member, Computer Science with Cognitive Systems.

Date: 02.04.2026



(Dr. A. Nirmala)

Bos Chairman / HoD
Dept. of Computer Science with Cognitive Systems
Dr. N. G. P. Arts and Science College
Coimbatore - 641 048

Syllabus Revision

Faculty: Computer Science

Programme: UG

Course Code/ Name: 25CGU3SP

SEC PRACTICAL - I: SQL-PL/SQL

**Board: Cognitive Systems
Semester: III**

Unit	Existing	Changes
1	Data Definition Languages (DDL) Commands.	
2	Data Manipulation Language (DML) Commands.	
3	Implementation of DCL Commands and Views.	
4	Queries using Comparison Operators, Logical Operators and Set Operators.	
5	Queries with built in functions and aggregate functions.	
6	Queries using Sorting.	
7	Join Queries- Inner Join, Outer Join Subqueries- With IN clause, With EXISTS clause.	
8	Creation of student's information table and write PL/SQL Block find the Total, Average marks and Results.	
9	Write a program in PL/SQL to show the uses of implicit and explicit cursor without using any attribute.	
10	Create a Database Trigger to check the data validity of Record.	
11	Implement the concept of Packages using Procedure and Function	Create a MongoDB database, collection and view list of databases and collections.
12	Implement the concept of Exception Handling.	Insert single, multiple documents, retrieve, output and retrieve records using conditions.

PERCENTAGE OF SYLLABUS REVISED: 25%
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

Syllabus Revision

Faculty: Computer Science
Programme: UG
Course Code/ Name: 24CGU5CB

Board: Cognitive Systems
Semester: V
Core: Software Testing

Unit	Existing	Changes
1	Introduction to Software Testing-Testing Methodologies-Testing Types-Software Development Lifecycle-Software Testing Lifecycle- Manual and Automation Testing-Defect Lifecycle Management Protocol -Requirement Traceability Matrix Preparation-Project Closure	
2	Introduction to Selenium-History of selenium-selenium features-Uses and Benefits of selenium-Limitations and challenges - Complexities of selenium in web application - Selenium Components-Selenium IDE Features - Selenium Download and Installation-Creating Scripts using Firebug and Its Installation-Locator Types	
3	Selenium WebDriver Installation with Eclipse - Firefox Driver-Chrome Driver-Internet Explorer Driver - Microsoft Edge Driver-Safari Driver-Web Element-Accessing the various attributes of Web Elements-Object repository	
4	Handling Alerts -Pop-ups- Handling Web Tables-Frame- Dynamic Elements- Robot API- AutoIT - TestNG-Test Automation Framework- Handling radio button-Handling Dropdowns- Form submission - Explicit and Implicit Wait - Quit	
5	Selenium Grid Introduction: Selenium grid Architecture Selenium Server Selenium grid test Command line for selenium grid Transition Testing States, State Graph, State Testing. Case Study: Prepare a Test Design and Requirement Traceability Matrix for an Application/Website	Introduction to AI in Software Testing – LLMs in Software Testing – AI assisted testing for developers – Test planning with AI support – Data creation using AI – AI agents as testing assistants - Case Study: Implement AI and LLMs in Software Testing for an E-Commerce Application.

PERCENTAGE OF SYLLABUS REVISED: 20%

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



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ATTENDANCE OF THE TWELFTH BOARD OF STUDIES MEETING


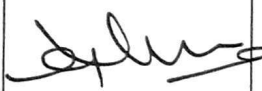




Faculty: Computer Science

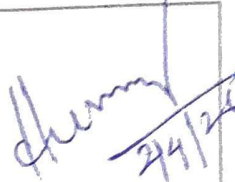


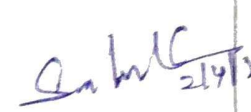
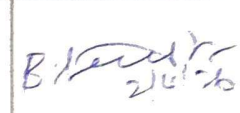
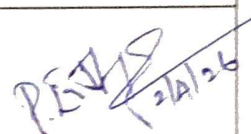
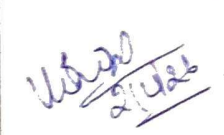
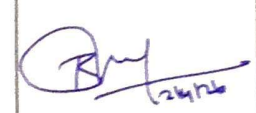
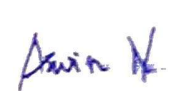
Board: Computer Science with Cognitive Systems

Date: 02.04.2026

Time: 09.30 a.m.

The following members were present for the meeting

S. No	Name	Designation	Attendance Status
1.	Dr. A. Nirmala Professor & Head Department of Computer Science with Cognitive Systems Dr. N.G.P Arts and Science College Coimbatore - 48.	Chairman	 2/4/26
2.	Dr. P. Prabhusundhar Assistant Professor Department of Computer Science Gobi Arts and Science College, Gobi	VC Nominee	
3.	Dr. K. Ranjith Singh Associate Professor & Head Department of Computer Technology, Karpagam Academy of Higher Education, Coimbatore	Subject Expert	 2/4/26
4.	Dr. A. Saravanan Associate Professor Department of Computing Coimbatore Institute of Technology Coimbatore	Subject Expert	
5.	Mr. Ravi Kumar Regional head Head, Academic Alliances Group (AAG) TATA Consultancy Services Chennai	Industry Expert	- ABSENT -
6.	Ms. P. Keshika Packaged App Development Analyst Accenture Coimbatore-641 014	Alumni	
7.	Dr. N. Kuppuchamy Associate Professor & Head Department of Tamil Dr. N.G.P. Arts and Science College Coimbatore	Co-opted Member	 2/4/26

8.	Dr. A. Hazel Verbina Professor & Head Department of English Dr. N.G.P. Arts and Science College Coimbatore	Co-opted Member	 24/26
9.	Dr. R. Sowrirajan Assistant Professor & Head Department of Mathematics Dr. N.G.P. Arts and Science College Coimbatore	Co-opted Member	
10.	Dr. S. Namasivayam Professor & Head Department of Commerce-BPS Dr. N.G.P. Arts and Science College Coimbatore	Co-opted Member	
11.	Dr. R. Senthil Kumar Professor Department of Computer Science with Cognitive Systems Dr. N.G.P. Arts and Science College Coimbatore	Internal Member	 24/26
12.	Dr. B. Senthil Kumar Associate Professor Department of Computer Science with Cognitive Systems Dr. N.G.P. Arts and Science College Coimbatore	Internal Member	 24/26
13.	Dr. P. Esther Jebarani Associate Professor Department of Computer Science with Cognitive Systems Dr. N.G.P. Arts and Science College Coimbatore	Internal Member	 24/26
14.	Mrs. S. Vishnu Priya Assistant Professor Department of Computer Science with Cognitive Systems Dr. N.G.P. Arts and Science College Coimbatore	Internal Member	 24/26
15.	Ms. P. Bhavya Assistant Professor Department of Computer Science with Cognitive Systems Dr. N.G.P. Arts and Science College Coimbatore	Internal Member	 24/26
16.	Mr. N. Aswin III B.Sc. CSCs Department of Computer Science with Cognitive Systems Dr. N.G.P. Arts and Science College Coimbatore	Student Representative	

Date: 02.04.2026


(Dr A. Nirmala)

Head of the Department

Department of Computer Science with Cognitive Systems
Dr. N.G.P. Arts and Science College
Coimbatore - 641 043