



18.12.2025

MINUTES OF MEETING OF THE BOARD OF STUDIES

Department: Computer Science

Venue: Board Room

Date: 18.12.2025

Agenda:

- To review and approve the revised Regulations and Syllabus for B.Sc. Computer Science and B.C.A. programmes with reference to the latest industry trends.
- To review and approve the list of Value-added courses being offered for the UG programmes in association with IIT Bombay Spoken Tutorial.
- To review and approve the mapping of Courses to Employability / Entrepreneurship / Skill Development.
- To review and approve the courses addressing cross-cutting issues related to Gender Equity, Environment and Sustainability, Human Values and Professional Ethics in the curriculum.
- To review and approve the CO-PSO-PO mapping of various courses and their justification.

The following members were present in the meeting:

1. Dr. J. Premalatha, Professor and Head, Department of Compute Science, Dhanalakshmi Srinivasan Arts and Science College, Mamallapuram, Chennai-603104 - University Nominee.
2. Dr. Ananthi Sheshasaayee,, Associate Professor & HOD, Department of Computer Science, Quaid-E-Millath Government College for Women (Autonomous) Chennai – 600002 – External Subject Expert.
3. Dr. M. Rameshkumar, Associate Professor and Head, PG & Research Department of Computer Science, Government Arts College (Autonomous), Nandanam, Chennai – 600035 - External Subject Expert.

4. Dr. K. R. Venkatesan, Ph.D., Principal, Sri Sankara Arts and Science College, Enathur, Kanchipuram- Special Invitee.
5. Mr. S. Anand, Program Manager, Dell Technologies Solutions, Bangalore – Member, Industry Representative.
6. Mr. H. Indhar, Senior Database Administrator, Pay Pal India Pvt. Ltd., Chennai – Member, Alumnus.
7. Mr. R. Krishnamurthy, Assistant Professor and Head, Dept. of Computer Science, Sri Sankara Arts and Science College, Enathur, Kanchipuram – Chairman.
8. Dr. K. Nithyanandan, Assistant Professor, Dept. of Computer Science, Sri Sankara Arts and Science College, Enathur, Kanchipuram – Member.
9. Mr. K. Shanmugam, Assistant Professor, Dept. of Computer Science, Sri Sankara Arts and Science College, Enathur, Kanchipuram – Member.
10. Dr. S. Muralidharan, Assistant Professor, Dept. of Computer Science, Sri Sankara Arts and Science College, Enathur, Kanchipuram – Member.
11. Mr. S. Hariharan, Assistant Professor, Dept. of Computer Science, Sri Sankara Arts and Science College, Enathur, Kanchipuram – Member.
12. Dr. R. Karthikeyan, Assistant Professor, Dept. of Computer Science, Sri Sankara Arts and Science College, Enathur, Kanchipuram – Member.
13. Mr. M. Arunkumar, Assistant Professor, Dept. of Computer Science, Sri Sankara Arts and Science College, Enathur, Kanchipuram – Member.
14. Mr. R. Suresh Kumar, Assistant Professor, Dept. of Computer Science, Sri Sankara Arts and Science College, Enathur, Kanchipuram – Member.

The following were the transactions of the meeting:

- The Revised Regulations and Syllabus for B.Sc. Computer Science and B.C.A. programmes were reviewed with reference to the latest trends prevalent in the Industry.

- The members unanimously approved the revised syllabus for B.Sc. Computer Science and B.C.A. programmes for adoption from the academic year 2026-27.
- The list of value-added courses being offered for the UG programmes in association with IIT Bombay Spoken Tutorial was reviewed and approved with respect to their relevance to the Industry standards and demands. The list of certificate courses being offered is:
 - HTML is offered to II-year UG Programmes (BSc CS & BCA)
 - Python 3.4.3 is offered to III-year UG Programmes (BSc CS & BCA).
- The members approved the following mapping of Courses to Employability / Entrepreneurship / Skill Development based on the contents with a direct bearing on Employability / Entrepreneurship / Skill Development

Course Classification: Skill Development / Employability / Entrepreneurship

Course Name	Focus Area	Specific Activities Validating Classification
Python Programming	Skill Development	Writing Python scripts for problem-solving; Implementing loops, functions, and file handling; Debugging and code optimization
Python Programming Lab	Skill Development	Hands-on coding experiments; Mini-projects and automation scripts; Real-time data processing tasks
Data Structures and Algorithms	Skill Development	Implementing linked lists, trees, graphs; Algorithm analysis and problem solving; Coding optimized solutions
Data Structures and Algorithms Lab using Python	Skill Development	Coding DSA problems in Python; Debugging and performance analysis; Algorithm implementation mini-projects
OOPS and Java Programming	Skill Development	Implementing classes, inheritance, polymorphism; Writing Java applications; Exception handling and memory model understanding
OOPS and Java Programming lab	Skill Development	Developing GUI and console apps; Debugging Java applications; Small-scale Java projects

Computer Organization and Architecture	Skill Development	Register-level operations; Assembly coding; CPU design understanding
Open source Software	Skill Development	Using Git/GitHub; Understanding OSS workflows; Contributing to open-source repos
Open source Software lab	Skill Development	Version control tasks; Resolving issues & making pull requests; Open-source mini projects
Fundamentals of Information Technology	Skill Development	Basic computer operations, understanding hardware and software components, operating systems usage, and digital literacy skills.
Introduction to HTML	Skill Development	Creating web pages using HTML tags, structuring content, forms, and hyperlinks for basic web development skills.
Understanding Internet	Skill Development	Internet concepts, web services, email usage, online safety, and effective use of internet resources.
Office Automation	Employability	Creating documents, spreadsheets, presentations; Automating tasks using Excel formulas and tools; Designing business reports
Office Automation Lab	Employability	Automated spreadsheets with formulas and macros; Creating dashboards; Workplace productivity tool usage
Data Analytics using R	Employability	Data preprocessing and visualization; Statistical modelling; Analytical report generation
Data Analytics using R lab	Employability	Hands-on RStudio dataset exploration; Predictive modelling tasks; Creating dashboards & plots
Operating Systems	Employability	Process scheduling exercises; Memory management simulations; Shell scripting
Relational Database Management System	Employability	SQL query writing; ER modelling and normalization; Understanding DB internals
Relational Database Management System lab	Employability	SQL hands-on practice; Database design project; Query optimization

Cloud Computing	Employability	Deploying apps on cloud platforms; Using cloud services (VMs, storage); Understanding cloud architecture
Biometric Techniques	Employability	Security and authentication systems
Introduction to Artificial Intelligence	Employability	Implementing search algorithms; Knowledge representation exercises; Basic AI model building
Internship	Employability	Industry project execution; Professional skill development; Workplace exposure
Computer Networks	Employability	Network configuration tasks; Packet tracing simulations; Routing and switching labs
Software Engineering	Employability	SRS and design documentation; UML modelling; SDLC-based project planning
Introduction to Machine Learning	Employability	Implementing ML algorithms; Dataset-level model training; Model evaluation
Data Mining	Employability	Pattern recognition tasks; Clustering & classification; Business dataset analysis
Deep Learning	Employability	Neural network implementation; Training CNNs & RNNs; Image & speech processing projects
Programming in C	Employability	Hands-on coding, problem-solving using C language, algorithm implementation, debugging, and logical thinking development.
Introduction to EXCEL Lab	Employability	Hands-on practice with spreadsheets, formulas, functions, charts, and data analysis useful for office and industry roles.
Web Design Lab	Employability	Designing and developing websites using HTML, CSS, basic scripting, and project-based web development tasks.
Quantitative Aptitude	Employability	Problem-solving in arithmetic, algebra, probability, and data interpretation relevant for competitive exams and placements.
Software Project Management	Employability	Project planning, scheduling, risk management, cost estimation, and use of

		project management tools aligned with industry practices.
Cryptography	Employability	Understanding encryption, decryption, security algorithms, secure communication, and applications in cybersecurity roles.
Software Testing	Employability	Manual and automated testing techniques, test case design, defect tracking, and quality assurance practices.
Digital Image Processing	Employability	Image enhancement, filtering, segmentation, and application of image processing techniques in real-world domains.
ASP.NET Programming	Employability	provides Hands-on training web based applications.
ASP.NET Programming Lab	Employability	provides Hands-on training web based applications.
Mobile Application Development	Entrepreneurship	Building mobile apps; UI/UX design; App deployment and prototype creation
Internet of Things and its Applications	Entrepreneurship	IoT prototype development; Sensor-based automation; Cloud IoT dashboard creation
Project with Viva Voce	Entrepreneurship	Developing innovative prototypes; Solving real-world problems; Project presentation & documentation
Robotics and its Applications	Entrepreneurship	Building robotic prototypes; Working with sensors & actuators; Automation project development
E-Commerce	Entrepreneurship	Building e-commerce prototypes; Understanding digital business models; Entrepreneurial strategy development
Internet of Things (IoT)	Entrepreneurship	Designing IoT-based solutions, sensor integration, data collection, prototyping smart systems, and startup-oriented applications.

- The members approved the following description of the courses, which address cross-cutting issues related to Gender Equity, Environment and Sustainability, Human Values and Professional Ethics in the curriculum.

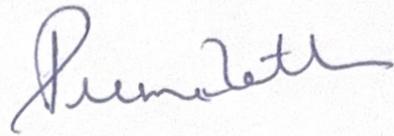
Course Name	Gender Equity	Environmental Sustainability	Human Values	Professional Ethics	Justification
Relational Database Management System				✓	Emphasizes ethical data storage, privacy principles, and responsible DB design.
Internet of Things and its Applications		✓		✓	IoT applications directly address sustainability (energy, agriculture, environment).
Cloud Computing		✓		✓	Cloud computing includes green computing, resource optimization, ethical cloud usage.
Introduction to Artificial Intelligence		✓		✓	AI models used for sustainability forecasting; strong ethical AI requirements.
Open Source Software			✓	✓	Involves ethical licensing, transparency, community values.
Software Engineering	✓		✓	✓	User requirement analysis includes inclusivity; strong emphasis on professional ethics.

Robotics and its Applications		✓		✓	Robotics supports sustainable automation; ethical design and deployment required.
E-Commerce	✓		✓	✓	Covers inclusive digital access, fair marketing, and ethical online business practices.
Software Testing				✓	Ensures product reliability, user safety, responsible defect disclosure, and adherence to quality standards.
Software Project Management				✓	Covers contractual, legal, and ethical responsibilities, risk & compliance.
Cryptography				✓	Core focus on security, confidentiality, lawful and ethical use of cryptographic tools; strong professional responsibility for privacy.
Environmental Studies		✓			Addresses Environmental issues
Value Education			✓		Imbibes value education and character building for the students.

- The members reviewed and approved the CO-PSO-PO mapping table of all the UG courses and their justifications.

Signature of members:

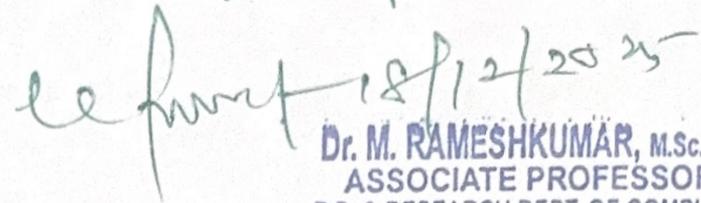
1. Dr. J. Premalatha

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2. Dr. Ananthi Sheshasaayee

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3. Dr. M. Rameshkumar,

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**Dr. M. RAMESHKUMAR, M.Sc., M.Phil., Ph.D.,
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4. Dr. K.R. Venkatesan

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5. Mr. S. Anand

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6. Mr. H. Indhar

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7. Mr. R. Krishnamurthy

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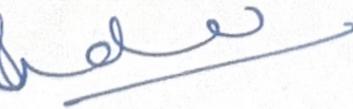
8. Dr. K. Nithyanandan

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9. Mr. K. Shanmugam

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10. Dr. S. Muralidharan

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11. Mr. S. Hariharan

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12. Dr. R. Karthikeyan

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13. Mr. M. Arunkumar

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14. Mr. R. Suresh Kumar

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