

Date: 28.4.2021

MINUTES OF MEETING OF THE BOARD OF STUDIES in SCHOOL OF COMPUTING SCIENCES

The meeting of the Board of Studies in SCHOOL OF COMPUTING SCIENCES (UG & PG) of the Department of COMPUTER SCIENCE, INFORMATION TECHNOLOGY AND COMPUTER APPLICATIONS, School of COMPUTING SCIENCES, VISTAS held on 28.4.2021 at 2.00 (am/pm) in Online Mode (Google Meet) to discuss the revision of UG , & PG Program Curriculum & Syllabus of B.Sc COMPUTER SCIENCE, M.Sc COMPUTER SCIENCE, BACHELOR OF COMPUTER APPLICATIONS(BCA), B.Sc INFORMATION TECHNOLOGY, M.Sc INFORMATION TECHNOLOGY & M.Sc SOFTWARE TECHNOLOGY.

Members Present:

Internal Board of Members :

1. Dr.P.MAYILVAHANAN, PROFESSOR & HEAD,
Department of Computer Science.
- 2.Dr.S.PRASANNA, PROFESSOR and HEAD,
Department of Computer Applications
3. Dr. T. KAMALAKANNAN, PROFESSOR and HEAD,
Department of Information Technology

External Member -Academics : Dr. T. VELMURUGAN,
ASSOCIATE PROFESSOR & HEAD,
Department of Computer Science,
DG Vaishnav College, Chennai.

External Member Industry : Dr. P. MAGESH KUMAR, Managing Director,
Calibsoft Technologies Pvt Ltd., Chennai.

Alumni Member : Mr.R. BALAMURUGAN, Software Engineer,
SCOPUS Technologies Ltd., Chennai

Objective of the Revision:

- To develop the curriculum based on Learning Outcome based Curriculum Framework (LOCF)
- To consider present trend in the respective fields and industry relevant interdisciplinary courses.
- To prepare the programme while following the requirements and recommendations of the new education policy.
- To replace outdated syllabus material with the current / upgraded technology, new knowledge is being introduced.
- To design the curriculum focussing on skill development, Employability and Entrepreneurship

Feedback from Stakeholders:

- The syllabus is to be revised with the current trends of Industry and Academia.
- More hands-on exposure to be provided to students to link theory with practice.
- The curriculum has the scope for development of requisite skills among the students
- The curriculum designed for the programme is updated one and has the scope for providing knowledge on recent developments.
- The curriculum is in tune with the recent technological advancements

Number of New Courses Introduced:**Department of Computer Science:**

B.Sc Computer Science- **16**

M.Sc Computer Science – **15**

Department of Information Technology

Bachelor of Computer Applications - **14**

B.Sc Information Technology - **15**

M.Sc Information Technology – **11**

Department of Computer Applications

M.Sc Software Technology - **8**

% of Syllabus Revision in the Program:**Department of Computer Science:**

B.Sc Computer Science- **37%**

M.Sc Computer Science – **44%**

Department of Information Technology

Bachelor of Computer Applications - **41%**

B.Sc Information Technology – **44%**

M.Sc Information Technology – **39%**

Department of Computer Applications

M.Sc Software Technology – **36%**

Status of Implementation of CBCS, ECS & LOCF:

Revised Curriculum and Syllabus is based Choice Based Credit System (CBCS), Elective Course System (ECS) and following Learning outcome-based curriculum framework (LOCF) guidelines and template.

Considered the Program Curriculum and Syllabus presented before the Board of Studies and discussed in details and resolved as follows:

Resolved to recommend that the Curriculum & Syllabus for the B.Sc Computer Science and M.Sc Computer Science, Bachelor of Computer Applications(BCA), B.Sc Information Technology and M.Sc Software Technology designed as per the guidelines and Model Curriculum Framework of UGC for the Academic year 2021 - 2022 has been approved by the members of Board of Studies.

Signature of the Members:

Internal Members:



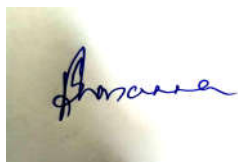
1. Dr.P.MAYILVAHANAN,

Professor & Head,

Department of Computer Science,

School of Computing Sciences,

Vels Institute of Science, Technology and Advanced Studies, Chennai.



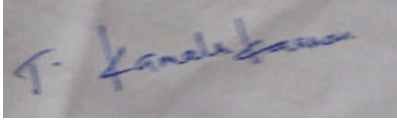
2. Dr.S.PRASANNA,

Professor & Head,

Department of Computer Applications,

School of Computing Sciences,

Vels Institute of Science, Technology and Advanced Studies, Chennai.



3. Dr. T. KAMALAKANNAN

Professor & Head,
Department of Information Technology,
School of Computing Sciences,
Vels Institute of Science, Technology and Advanced Studies, Chennai.

External Member- Academic Expert:



4. Dr. T.VELMURUGAN,

Associate Professor & Head,
Department of Computer Science,
DG Vaishnav College, Chennai.

External Member- Industry Expert:



5. Dr. P. MAGESH KUMAR

Managing Director,
Calibsoft Technologies Pvt Ltd,
Chennai.

Alumni Member:



6. Mr.R. BALAMURUGAN

Software Engineer,
Scopus Technologies, Chennai

Annexure (Revision of UG & PG Programmes/courses focussed on employability/entrepreneurship/skill development and New courses introduced during the Academic year 2021-22)

Department of Computer Science

Name of the Program	Name of the Course	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
B.Sc Computer Science	Implant Training	2021-2022	Employability
	Soft Skills	2021-2022	Skill development
	Entrepreneurship Development	2021-2022	Entrepreneurship
	Technical Seminar / Innovation Council / Start up Initiative	2021-2022	Skill development
	Applications of Java	2021-2022	Employability
	Advanced Java Programming	2015-2016	Employability
	Dot net Programming	2018-2019	Employability
M.Sc Computer Science	Scripting Language	2021-2022	Skill Development
	ASP.NET Programming	2021-2022	Employability
	Block Chain Technology	2021-2022	Employability
	Technical Writing in Computer Science	2021-2022	Skill Development
	Big Data Analytics	2018-2019	Employability
	Internet of Things	2018-2019	Employability
	Mobile Application Development	2018-2019	Employability
	Pattern Recognition	2018-2019	Employability
	Linux Programming	2015-2017	Employability
	Design and Analysis of Algorithm	2015-2017	Employability
	Internship	2021-2022	Skill Development

Department of Information Technology

Name of the Program	Name of the Course	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
BCA	RDBMS	2021-2022	Employability
	RDBMS Lab	2021-2022	Employability
	Open Source Technologies	2021-2022	Employability
	Open Source Technologies Lab	2021-2022	Employability
	Web Technology	2015-2016	Employability
	Python Programming	2018-2019	Employability
	Introduction to Data Science	2021-2022	Entrepreneurship
	Mobile App Development	2021-2022	Entrepreneurship
	Compiler Design	2021-2022	Employability
	Machine Learning	2021-2022	Employability
	Block Chain Technology	2021-2022	Employability
	Big Data Analytics	2021-2022	Entrepreneurship
	E-Commerce	2015-2016	Entrepreneurship
	Digital Image Processing	2015-2016	Employability
	Artificial Intelligence	2015-2016	Employability
	Introduction to Cloud Computing	2021-2022	Employability
	Natural Language Processing	2021-2022	Employability
	IOT & its Application	2021-2022	Employability
	Soft Skills	2021-2022	Skill development
	Entrepreneurship Development	2021-2022	Entrepreneurship
Technical Seminar / Innovation Council / Start up Initiative	2021-2022	Skill development	
Matlab Programming	2021-2022	Skill development	
Ethical Hacking	2021-2022	Skill development	

Name of the Program	Name of the Course	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
B.Sc IT	RDBMS	2021-2022	Employability
	RDBMS Lab	2021-2022	Employability
	Open Source Technologies	2021-2022	Employability
	Open Source Technologies Lab	2021-2022	Employability
	Web Technology	2015	Employability
	Python Programming	2021-2022	Employability
	Introduction to Data Science	2021-2022	Entrepreneurship
	Mobile App Development	2021-2022	Entrepreneurship
	Compiler Design	2021-2022	Employability
	Machine Learning	2021-2022	Employability
	Block Chain Technology	2021-2022	Employability
	Big Data Analytics	2021-2022	Entrepreneurship
	Cryptography & Network Security	2015-2016	Entrepreneurship
	Digital Image Processing	2015-2016	Employability
	Artificial Intelligence	2015-2016	Employability
	Introduction to Cloud Computing	2021-2022	Employability
	Natural Language Processing	2021-2022	Employability
	IOT & its Application	2021-2022	Employability
	Soft Skills	2021-2022	Skill development
	Entrepreneurship Development	2021-2022	Entrepreneurship
	Technical Seminar / Innovation Council / Start up Initiative	2021-2022	Skill development
	Matlab Programming	2021-2022	Skill development
	Ethical Hacking	2021-2022	Skill development

Name of the Program	Name of the Course	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
M.sc IT	Advanced DBMS	2021-2022	Employability
	Advanced DBMS Lab	2021-2022	Employability
	Internet of Things	2021-2022	Employability
	Deep Learning	2021-2022	Employability
	Data Communication & Networks	2015	Employability
	Block Chain Technology	2021-2022	Employability
	Big data Analytics	2021-2022	Employability
	Parallel and Distributed computing	2021-2022	Employability
	Computational Intelligence	2021-2022	Employability
	Theory of Automata	2021-2022	Employability
	Matlab Programming	2021-2022	Skill development
	Security Issues in Mac.learning	2021-2022	Employability

Department of Computer Applications

Name of the Program	Name of the Course	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
M.Sc(Software Technology)	Mathematical Foundations for Computer Science	2021-2022	Perspective of Research
	Software Project Management	2021-2022	Employability & Perspective of Research
	Computer Networks	2021-2022	Employability & Perspective of Research
	Software Testing	2021-2022	Employability & Perspective of Research
	Practical– Relational Database Systems Laboratory	2021-2022	Employability & Perspective of Research
	Practical– Exploratory Data Analysis using MATLAB	2021-2022	Employability & Perspective of Research
	Practical– Business Analytics lab using R	2021-2022	Employability & Perspective of Research
	Practical-Advanced Java	2021-2022	Employability & Perspective of Research