



SETHU INSTITUTE OF TECHNOLOGY
(An Autonomous Institution | Accredited with 'A' Grade by NAAC)
PULLOOR, KARIAPATTI – 626 115.



**DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS
BOARD OF STUDIES**

MINUTES OF THE MEETING

The first meeting of the Board of Studies of Department of Computer Science and Business Systems was held on 15.10.2020 through Google meet online mode.

The following members were present,

Sl.No.	Details of the Member	Position	Signature
1.	Dr.M.Malathi	Chairperson	
2.	Dr.D. Manjula, Professor , CSE, Anna University, Chennai.	University Nominee	Attended through Online Mode
3.	Dr.R.Kannigadevi, Associate Professor, CSE, Kalasalingam Academy of Research and Education, Krishnankovil.	Academic Expert	Attended through Online Mode
4.	Dr.K.Jeyakumar, Associate Professor, School of Computer Science and Engineering, Vellore Institute of Technology, Vellore.	Academic Expert	Attended through Online Mode
5.	Mr.C.Rajkumar, Director (Chief Architect), Cognizant Technology Solutions, Chennai.	Industry Nominee	Attended through Online Mode
6.	Ms.D.Thamarai Selvi, Assistant professor,CSE, National Engineering	Alumni Nominee	Attended through Online Mode

Sl.No.	Details of the Member	Position	Signature
	College, Kovilpatti.		
7.	Dr.C.Callins Christiyana	Faculty Member	Attended through Online Mode
8.	Dr.N.Balaji	Faculty Member	Attended through Online Mode
9.	Dr.K.Sathish Kumar	Faculty Member	Attended through Online Mode
10.	Mr.P.Suresh	Faculty Member	Attended through Online Mode
11.	Dr.D.AbithaKumari	Faculty Member	Attended through Online Mode
12.	Mr.R.Rajaguru	Faculty Member	Attended through Online Mode
13.	Dr.A.R.Rajeswari	Faculty Member	Attended through Online Mode
14.	Ms.K.Priyadharsini	Faculty Member	Attended through Online Mode
15.	Ms.S.Selvi	Faculty Member	Attended through Online Mode
16.	Mr.T.Siva	Faculty Member	Attended through Online Mode
17.	Ms.S.Priyadharsini	Faculty Member	Attended through Online Mode
18.	Ms.S.Gospelina Christiana	Faculty Member	Attended through Online Mode
19.	Ms.S.M.Nazia Fathima, Director R&D, Sethu Institute of Technology	Director-R&D	Attended through Online Mode

The BoS meeting was started with the warm welcome from the Chairperson of the Board. The Chairperson gave a brief presentation on autonomous status conferred to the Institution and NAAC accreditation with 'A' grade. She then highlighted the importance of introducing Bachelor of Technology (B.Tech.) degree program in "Computer Science & Business Systems" (CSBS). B.Tech. CSBS is a highly recommended industry relevant program in the field of Computer Science and Engineering focusing on practical implementation of some Computer Science and Engineering concepts in real time business applications.

Agenda 1:Approval of R-2019 curriculum and first and second semester syllabi.

The Board members conducted discussions on the proposed curriculum under regulation R—2019 and syllabi of the first and second semesters.

The Board members suggested the following:

- Dr.Manjula D, University Nominee,suggested to:

- Include more core courses related with Computer Science and include Data mining and Data Analytics in the core courses.
 - Dr. C. Callins Christiana, Faculty member replied the basic concepts of data analytics is covered in the course computational statistics. The laboratory course on computational statistics includes the experiments based on data analytics and they will be implemented in R. She replied further that Data mining is offered in program Elective.
- Dr.R.Kannigadevi, Academic Expert, suggested to:
 - Include soft skills and hard skills related courses.
 - The chairperson replied that curriculum has four courses on Business Communication & Value Science. The soft skills and hard skills concepts are covered in those courses.
 - Motivate the students to do community service projects.
 - Mr.R.Rajaguru, Faculty member, replied that multi-disciplinary project in R-2019, there will be a provision to combine students from various branches to do projects related to social aspects and also the students can select the problems given by various ministries of Government of India.
- Dr. K.Jeyakumar, Academic Expert, suggested to:
 - Include the course on Block chain Technology for business analytics.
- Mr.RajkumarChandrasekar, Industry Nominee, suggested to:
 - Include Enterprise softwares' like Pegasus, SAP which models the flow of business in Business systems like supply chain and Procurement.
- Ms.D. Thamarai Selvi, Alumni Nominee, suggested to:
 - Include the course on Digital principles and system design. BoS resolved to include the basic concepts in Digital principles and system design in curriculum.
 - Chairperson replied that Digital Principles and system design is covered in Principles of Electronics course.

Based on the suggestions, the BOS resolved the following in the approval of curriculum of Computer Science and Business Systems under R2019 and first and Second Semester syllabus of R-2019.

- It is resolved to include Data Mining, Blockchain Technology for business analytics, Building Enterprise Applications, Enterprise resource planning, Entrepreneurship Development, Digital Marketing, Total quality management subjects, IP management and Entrepreneurship in the Program Electives.
- It is resolved to accept the syllabus of First and Second semester syllabus of Computer Science and Business Systems without any modifications.

Agenda 2: Mapping of curriculum and syllabi with PSC

Mapping of the curriculum and syllabus of the proposed regulation R-2019 with the Program Specific Criteria (PSC) was presented to the Board of members by the Chairperson and the Board resolved to accept the mapping.

Agenda 3: Classification of courses

The classification of the courses under regulation R-2019 based on the categories of employability, entrepreneurship and skill development was presented to the Board by the Chairperson. The BoS resolved to accept the classification.

Employability Courses	<ul style="list-style-type: none">▪ Fundamentals of Computer Science▪ Introduction to Data Structures and Algorithms▪ Data Structures and Algorithms Laboratory▪ Computer Programming Laboratory
Entrepreneurship Courses	<ul style="list-style-type: none">▪ Fundamentals of Economics

Agenda 4: Percentage if change in the Curriculum and for each course in Regulation 2019

Board of Studies Chairman has listed the percentage of changes in the first and Second semester syllabus of R2019 with reference to the syllabus of R2017.

- Percentage change in syllabus of first and second semester courses as follows,

SEMESTER I

S.No	Course Code	Course Name	Percentage change in Syllabus
1	19UCB107	Fundamentals of Economics	15%

SEMESTER II

S.No	Course Code	Course Name	Percentage change in Syllabus
1	19UCB206	Introduction to Data Structures and Algorithms	45%
2	19UCB208	Data Structures and Algorithms Laboratory	50%

Board of Studies resolved to approve and recommend the above changes in first and second semester courses of R2019 curriculum and syllabus of Computer Science and Business Systems.

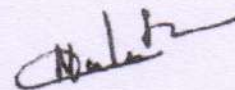
Agenda 5: List of New Courses under Regulation 2019

Board of Studies Chairman presented the R2019 curriculum structure and also listed the new courses which have been proposed to include in new curriculum structure of B.Tech (Computer Science and Business Systems).

Board of Studies resolved to approve the following list of new courses that could be included in the R2019 curriculum of B.Tech (Computer Science and Business Systems).

S.No	Course Code	Course Name	L	T	P	C
1.	19UCB106	Fundamentals of Computer Science	3	0	0	3
2.	19UCB109	Computer Programming Laboratory	0	0	0	1.5
3.	19UCB307	Technical Seminar	0	0	2	1
4.	19UCB309	Object oriented programming laboratory	0	0	3	1.5
5.	19UCB602	Business Strategy	2	0	0	2
6.	19UCB702	Financial and Cost Accounting	2	0	0	2
7.	19UCB705	Usability Design of Software Applications	3	0	0	3
8.	19UCB907	Deep Learning for Computer Vision	3	0	0	3
9.	19UCB908	Introduction to Block chain Technology and Application	3	0	0	3
10.	19UCB909	Introduction to Industry 4.0	3	0	0	3
11.	19UCB911	Data Science for Engineering	3	0	0	3
12.	19UCB913	Graph Theory and Applications	3	0	0	3
13.	19UCB915	Introduction to Parallel and Distributed Algorithms	3	0	0	3
14.	19UCB916	Fault Tolerant Computing Systems	3	0	0	3
15.	19UCB917	Introduction to Ad Hoc and Sensor Networks	3	0	0	3
16.	19UCB918	Computer Graphics and Multimedia	3	0	0	3
17.	19UCB919	Information Retrieval Techniques	3	0	0	3
18.	19UCB920	Information Storage Management concepts	3	0	0	3
19.	19UCB922	Introduction to Human Computer Interaction	3	0	0	3
20.	19UCB924	Augmented Reality	3	0	0	3
21.	19UCB925	Introduction to Data Analytics	3	0	0	3
22.	19UCB927	Speech and Natural Language Processing concepts	3	0	0	3
23.	19UCB928	Management Accounting	3	0	0	3
24.	19UCB929	Strategic Management	3	0	0	3
25.	19UCB932	Enterprise Resource Planning	3	0	0	3
26.	19UCB933	Total Quality Management	3	0	0	3

The Chairperson thanked the members for their contribution and suggestions in framing the curriculum and syllabi for B.Tech. Computer Science and Business Systems under Autonomous regulations. She thanked the members of the Board on behalf of the Department of Computer Science and Business Systems for their wonderful suggestions and contribution to frame the curriculum and syllabi.



Chairperson

Board of Studies

Computer Science and Business Systems

Department of Computer Science
and Business Systems
Sethu Institute of Technology
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DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS

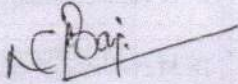
MINUTES OF 2nd BOARD OF STUDIES (BOS) MEETING HELD ON 23.08.2021

The Second meeting of the Board of Studies (BoS) of Department of Computer Science and Business Systems was held on 23.08.2021 @10.15 AM through Online Platform. The Chairperson Dr.N.Balaji, Chairperson & Dean, initiated the meeting with a welcome address and presented the following Agenda of the meeting.

Agenda of the Meeting

- Approval of
 - Department Vision, Mission, POs and PSOs
 - Analysis of the Stakeholders feedback regarding curriculum and syllabi
 - Discussion made in PAC meetings
 - Approval of R-2019 curriculum and Second, Third and Fourth Year syllabi
 - Classification of courses having focus on employability/ entrepreneurship/Skill Development
 - Approval of External Examiners
- Any Other

The following members were present.

S.No.	MEMBERS	POSITION	SIGNATURE
1.	Dr.N.Balaji Dean (CSE & IT) Sethu Institute of Technology, Kariapatti.	Chairperson	
2.	Dr.D. Manjula Professor and Head, Department of CSE, Anna University, Chennai.	University Nominee	Attended through Online Mode

S.No.	MEMBERS	POSITION	SIGNATURE
3.	Dr.E.Sivasankar Assistant Professor, Department of CSE, National Institute of Technology, Thiruchirappalli.	Academic Expert	Attended through Online Mode
4.	Dr.G.Manikandan Senior Assistant Professor, Department of Information and Communication Technology, SASTRA Deemed University, Thanjavur.	Academic Expert	Attended through Online Mode
5.	Mr.C.Rajkumar Director (Chief Architect), Cognizant Technology Solutions, Chennai.	Industry Nominee	Attended through Online Mode
6.	Ms.D.Thamarai Selvi Assistant Professor, Department of CSE, National Engineering College. Kovilpatti.	Alumni Nominee	Attended through Online Mode
7.	Dr.R.Aghila	Professor & Head / CSBS	Attended through Online Mode
8.	Dr.K.HemaLatha	Dean Academics	Attended through Online Mode
9.	Mrs.P.Suganthi	Assistant Professor (SG) / CSBS	Attended through Online Mode
10.	Mrs.PL.Prabha	Assistant Professor / CSBS	Attended through Online Mode
11.	Mr.J.Stalin	Assistant Professor / CSBS	Attended through Online Mode
12.	Dr.M.Malathi	PG Head / CSE	Attended through Online Mode
13.	Dr.G.Vaira Suganthi	Assistant Professor (SG) / CSE	Attended through Online Mode
14.	Dr.M.Poomani@Punitha	Assistant Professor (SG) / CSE	Attended through Online Mode
15.	Mrs.K.Priyadharsini	Assistant Professor (SG) / CSE	Attended through Online Mode

S.No.	MEMBERS	POSITION	SIGNATURE
16.	Mrs.K.Nagalakshimi	Assistant Professor (SG) / CSE	Attended through Online Mode
17.	Mr.G.Karpaga Kannan	Assistant Professor (SG) / CSE	Attended through Online Mode
18.	Mr.K.A.Mohammed Faiz	Assistant Professor / CSE	Attended through Online Mode
19.	Ms.S.Sangeetha	Assistant Professor / CSE	Attended through Online Mode

1. Department Vision, Mission, POs and PSOs of the department

The Institute Vision, Mission and department Vision, Mission statements were presented. The consistencies between both statements were elaborated to the members. POs and PSOs were presented. The same is attached in Annexure I. It is resolved to approve the same with no modifications.

2. Analysis of the Stakeholders feedbacks regarding curriculum and syllabi.

The Stakeholders' feedback and action taken report for the curriculum and syllabi of R2019 was presented to the Board of members by the Chairperson. The same is attached in Annexure II. It is resolved to approve the same with no modifications.

3. Discussions made in PAC meetings.

Discussions, observations and action taken which are made in various PAC meetings are presented to the BoS Member by Chairperson. The same is attached in Annexure III. After a detailed discussion it is resolved to address the changes in the draft curriculum of R2019 based on suggestions.

4. Approval of R-2019 curriculum and Second, Third, Fourth Year syllabi.

The Board members conducted discussions on the proposed curriculum under regulation R-2019 and syllabi of the second, Third and Final Year.

The Board members suggested the following:

Dr.Manjula D, University Nominee, suggested that :

In the subject Computational Statistics, Topics like Random Forest and SVM are difficult to understand by second year students. so, she suggested to remove these topics from the syllabus and to include more core courses related with Computer Science like Big Data and Data Analytics.

Dr. N. Balaji, Chairperson replied that the basic concepts of data analytics are covered in Computational statistics and the laboratory course on Computational statistics includes the experiments on data analytics using R. He replied further that Big Data and Data Analytics are offered as Program Elective.

Mr.Rajkumar Chandrasekar, Industry Nominee suggested that :

In Computational statistics course more focus need to be provide in Data visualization Concept and also added to include AGILE in software engineering. He also suggested to use latest version of python for python lab and General Business Intelligence tools like Tableau.

Chairperson replied that Tableau is offered as one credit course. As suggested more focus on Data Visualization is given in syllabus and AGILE concepts are added in Software Engineering course.

Mr.Sivasankar, Academic Expert, suggested :

To include MIPS architecture in Computer architectures and organization, MongoDB, NOSQL in Data Base Management systems and to allot a separate unit for unstructured and semi structures data.

Chairperson replied that MongoDB is offered as one credit course.

Mr.Manikandan, Academic Expert, suggested :

To include laboratories related to business systems

Based on the suggestions, the BOS resolved the following in the approval of curriculum of Computer Science and Business Systems under R2019 and Second, Third and Final Year syllabus of R-2019.

As a Chairperson informed the Big Data, Data analytics and Building Enterprise Applications are already in Program Elective and MongoDB and Tableau subject is already available in one credit course. It is resolved to accept the syllabus of Second, Third and Final Year syllabus of Computer Science and Business Systems with minor modifications.

5. Classification of courses having focus on employability / entrepreneurship / Skill Development.

The courses having focused on employability / entrepreneurship / Skill Development under Regulations 2019 were presented and the same was approved by the members of the Board of Studies. The same is attached in Annexure: IV

6.Percentage of changes in the Syllabi:

S.No	Course Code	Course Name	Percentage change in Syllabus
1.	19UCB304	Object Oriented Programming	80%
2.	19UCB306	Computer Organization and Architecture	60%
3.	19UCB403	Introduction to Design and Analysis of Algorithms	40%
4.	19UCB404	Database Management Systems	40%
5.	19UCB405	Formal Languages and Automata Theory	20%
6.	19UCB406	Python Programming	40%
7.	19UCB501	Compiler Design	50%
8.	19UCB502	Software Engineering	30%
9.	19UCB503	Fundamentals of Management	40%
10.	19UCB504	Mobile applications Development & Services	40%
11.	19UCB601	Marketing Research	20%
12.	19UCB603	Artificial Intelligence	40%
13.	19UCB604	Information Security	20%
14.	19UCB701	Financial Management	40%
15.	19UCB703	Human Resource Management	20%
16.	19UCB704	IT Project Management	40%
17.	19UCB902	Data Mining Techniques	40%
18.	19UCB903	Robotics and Embedded Systems	80%
19.	19UCB904	Cloud Micro Services and Application	80%
20.	19UCB905	Quantum Computing and Applications	20%
21.	19UCB906	Cognitive Science and Analytics	80%
22.	19UCB910	Advanced Social, Text and Media Analytics	75%
23.	19UCB912	Cryptology	60%
24.	19UCB914	Software Quality Management	80%
25.	19UCB921	Introduction to Mobile and Pervasive computing	75%
26.	19UCB923	Software Project Management	60%

27.	19UCB926	Java Programming	50%
28.	19UCB930	Business Intelligence	75%
29.	19UCB931	Behavioural Economics	60%

7. Approval of External Examiners:

The list of External Examiners for practical examinations, theory examinations, question paper setting and Scrutiny were presented and approved by the BOS members.

The Chairperson thanked the NOS members for their contributions and suggestions to enhance the quality progress of the department.

Attachments:

Annexure: I Institute & Department VISION, MISSION, POs AND PSOs.

Annexure: II Stake Holders Feed Back and Suggestions

Annexure: III Details and Observations of PAC Meeting

Annexure: IV Classifications of courses having focus on employability / entrepreneurship / Skill Development.

Annexure: V Draft curriculum which was submitted to the BOS.

NC. Poof.

Chairperson

Board of Studies

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DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS

ANNEXURE: IV

Classification of courses having focus on employability / entrepreneurship / Skill Development

Employability Courses	<ul style="list-style-type: none">▪ Fundamentals of Computer Science▪ Introduction to Data Structures and Algorithms▪ Data Structures and Algorithms Laboratory▪ Operating Systems Concepts▪ Computer Organization and Architecture▪ Computational Statistics▪ Computational Statistics Laboratory▪ Artificial Intelligence▪ Information Security Laboratory▪ Object Oriented Programming▪ Operating Systems Laboratory▪ Computer Networks▪ Database Management Systems▪ Design and Analysis of Algorithms▪ Database Management Systems Laboratory▪ Python Programming▪ Software Engineering▪ Mobile applications and Services▪ Reasoning and Aptitude▪ Creative Thinking and Innovations▪ IT Workshop Scilab / Matlab▪ Information Security▪ Usability Design of Software Applications▪ IT Project Management
Entrepreneurship Courses	<ul style="list-style-type: none">▪ Fundamentals of Economics▪ Fundamentals of Management▪ Marketing Research▪ Business Strategy▪ Financial Management▪ Financial and Cost Accounting▪ Human Resource Management
Skill Development Courses	<ul style="list-style-type: none">▪ Business Communication & Value Science - I▪ Business Communication & Value Science - II▪ Business Communication & Value Science - III▪ Business Communication & Value Science - IV▪ Professional Ethics and Human values▪ Seminar▪ Summer Internship▪ Project Work▪ Mini Project


Chairperson

Board of Studies