



# SETHU INSTITUTE OF TECHNOLOGY

AN AUTONOMOUS INSTITUTION | ACCREDITED WITH 'A' GRADE BY NAAC

Pulloor-626115, Kariapatti Taluk, Virudhunagar District.

## DEPARTMENT OF INFORMATION TECHNOLOGY

### MINUTES OF 8<sup>th</sup> BOARD OF STUDIES (BOS) MEETING HELD ON 28.08.2020

The meeting of the 8<sup>th</sup> Board of Studies in the Department of Information Technology was held on 28.08.2020 @03.00 PM in the IT Seminar Hall at Sethu Institute of Technology, Pulloor, Kariapatti through Online Platform. The Chairperson Dr.S.SivaRanjani initiated the meeting with a welcome address and presented the following Agenda of the meeting. The resources available in the department and the progress of the department were highlighted to the members of the BOS. A detailed presentation was also made.

- Presentation on Department Profile
- Approval of
  - Department Vision, Mission, PEOs, POs and PSOs of the department.
  - Analysis of the Stakeholders feedback regarding curriculum and syllabi.
  - Discussion made in PAC meetings.
  - Presentation of the Program Articulation Matrix, PO, PSO attainment and Gap Analysis.
  - Mapping of Curriculum and syllabi with Program Specific Criteria.
  - **Classification of courses having focus on employability/ entrepreneurship/Skill Development.**
  - New Courses Under R2019
  - Approval of External Examiners.
- Any Other

The following members were present.

S.No.	NAME OF THE MEMBERS	DESIGNATION	POSITION
1.	Dr.S.SivaRanjani	Professor & HEAD Department of IT	Chairman
2.	Dr.P.Latha <i>University Nominee</i>	Professor and Head, Department of CSE, Government College of Engineering, Tirunelveli.	External Member
3.	Dr. S.Mary Saira Banu <i>External Academic Expert</i>	Professor, Department of CSE, National Institute of Technology, Thiruchirappalli-6200158	External Member
4.	Dr.P.Karthikeyan <i>External Academic Expert</i>	Associate Professor, Department of IT, Thiagarajar College of Engineering, Madurai.	External Member
5.	Mr.G.Rameshkumar <i>External Industry Expert</i>	Lead Developer, ZakApps Software Pvt Ltd, Chennai.	External Member
6.	Mr.B.Arjunbala <i>Alumni</i>	Chief Executive Officer, Anu Foods, Madurai.	External Member
7.	Dr.S.Sridevi	Professor / IT	Member
8.	Dr.S.Jenicka	Associate Professor / IT	Member
9.	Dr.R.Aghila	Associate Professor / IT	Member
10.	Mrs.S.Rathnamala	Assistant Professor(SG) / IT	CPEC Overall Coordinator
11.	Mrs.C.Parameswari	Assistant Professor(SG) / IT	Member
12.	Mrs.D.RojaRamani	Assistant Professor(SG) / IT	Member



13.	Mrs.M.M.Yamuna Devi	Assistant Professor (SG) / IT	Member
14.	Mr.G.Sivakumar	Assistant Professor(SG) / IT	Member
15.	Mrs.G.Rajalakshmi	Assistant Professor / IT	Member
16.	Mr.S.V.K.Muthukumar	Assistant Professor / IT	Member
17.	Mr.S.ArunInigo	Assistant Professor / IT	Member
18.	Mr.D.Nagendra Kumar	Assistant Professor / IT	Member
19.	Mrs.P.PabithaMuthu	Assistant Professor / IT	Member
20.	Mrs.K.Krishnaveni	Assistant Professor / IT	Member
21.	Mr.P.Manoj Kumar	Assistant Professor / IT	Member
22.	Ms.P.Swapna	Assistant Professor / IT	Member
23.	Mrs.G.Susan Shiny	Assistant Professor / IT	Member
24.	Mrs.R.T.Subhalakshmi	Assistant Professor / IT	Member

### **1. Department Vision, Mission, PEOs, 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. PEOs, 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 were presented by Ms.P.PabithaMuthu, Assistant professor/IT, BoS Member. 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 were presented by Mrs.G.Susan Shiny, Assistant professor/IT, BoS Member. The same is attached in Annexure: III.

- The External Academic Expert (Dr.S.Mary Saira Banu) suggested to change the course name titled Biology as Biology for Engineering Applications.
- The University Nominee (Dr.P.Latha) enquired about the total credits and suggested to have the total credits as a whole number.
- The External Academic Expert (Dr.S.Mary Saira Banu) enquired about the industry offered courses and suggested to mention that courses as industry courses in the curriculum book.
- The External Academic Expert (Dr.P.Karthikeyan) enquired about the Course Attainment Analysis and Integrated Courses. It is resolved to approve the same with no modifications.
- The External Industry Expert (Mr.G.Rameshkumar) suggested to increase the number of hours for lab courses.
- It is discussed about to offer the course titled 'Elements of Machine Learning for Engineers'. The External Academic Expert (Dr.S.Mary Saira Banu) told that it is very emerging technology and she suggested to offer the course. It is offered in Professional Electives.

After a detailed discussion it is resolved to address the changes in the draft curriculum of R2019 based on above suggestions.



#### **4. Presentation of the Program Articulation Matrix, PO, PSO attainment and Gap Analysis.**

The Program Articulation Matrix of R2015, POs and PSOs attainment of the batch 2015-2019 were presented by Ms.S.Rathnamala, Assistant professor/IT, BoS Member. The same is attached in Annexure: IV. The Gap Analysis based on articulation matrix and attainment analyses were discussed and the course identified to fulfill the gap is presented and the same was approved by the BOS members.

#### **5. Mapping of Curriculum and syllabi with Program Specific Criteria.**

The revised program specific criteria based on ABET guidelines were presented by Ms.K.Krishnaveni, Assistant professor/IT, BoS Member. The same is attached in Annexure: V. Mapping of the draft Curriculum with the revised Program Specific Criteria was reviewed by the members and the same has been approved.

#### **6. 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.

#### **7. New Courses Under R2019**

The following new courses which are introduced in R2019 were presented by the ChairPerson. The draft curriculum is attached in Annexure: VI.

- i. Introduction to Information Technology
- ii. Programming Fundamentals using Python(Theory and Lab)
- iii. Biology
- iv. Seminar
- v. Gender Equality
- vi. Object Oriented Programming using Python (Theory and Lab)
- vii. Cyber Security
- viii. Mining and Analysis of Big Data (Theory and Lab)
- ix. Microprocessor Based System Design (Theory and Lab)
- x. Artificial Intelligence (Theory and Lab)
- xi. Interpersonal Skills Lab
- xii. Product Development Project
- xiii. Creative Thinking and Innovation
- xiv. Indian Constitution and Essence of Indian Traditional Knowledge

xv. Internet of Things(Theory and Lab)

xvi. Machine Learning

The revised curriculum is attached in Annexure: VII.

**Percentage if change in the Curriculum and for each course in Regulation 2019**

**Semester III**

Course Code	Course Title	New Course / Old Course	Percentage Change in Syllabus
19UIT302	Data Structures and Algorithms	Old	20%
19UIT303	C Programming(Integrated Course)	New	-
19UIT304	Digital Principles and System Design	Old	20%
19UIT305	Principles of Operating Systems (Integrated Course)	Old	30%
19UIT306	Software Engineering Methodology	Old	15%
19UIT307	Data Structures and Algorithms Laboratory	Old	5%

**Semester IV**

Course Code	Course Title	New Course / Old Course	Percentage Change in Syllabus
19UIT402	Design Methods and Analysis of Algorithms	Old	0%
19UIT403	Object Oriented Programming in C++ (Integrated Course)	Old	40%
19UIT404	Database Management Systems (Integrated Course)	Old	40%
19UIT405	Computer Organization and Architecture	Old	40%
19UIT406	Computer Networks (Integrated Course)	Old	50%
19UIT407	Seminar	New	-



Percentage if change in curriculum and for each course In R2019

#### SEMESTER V

Course Code	Course Title	New course/Old course	Percentage Change in Syllabus
19UIT501	Object Oriented Programming using Python (Integrated Course)	New	100
19UIT502	Cyber Security Management	New	100
19UIT503	Mining and Analysis of Big Data	New	100
19UIT504	Microprocessor Based System Design	New	100
19UIT507	Creative Thinking and Innovation	New	100
19UIT508	Mining and Analysis of Big Data Laboratory	New	100
19UIT509	Microprocessor Based System Design Laboratory	New	100

#### SEMESTER VI

Course Code	Course Title	New course/Old course	Percentage Change in Syllabus
19UIT601	Java Programming (Integrated Course)	Old	26
19UIT602	Artificial Intelligence	New	100
19UIT608	Artificial Intelligence Laboratory	New	100
19UIT607	Product Development Project	New	100
19UGM632	Indian Constitution and Essence of Indian Traditional Knowledge in Information and Communication Engineering(MANDATORY)	New	100

#### SEMESTER VII

Course Code	Course Title	New course/Old course	Percentage Change in Syllabus
19UIT702	Internet of Things Systems and Applications(Integrated Course)	New	100
19UIT707	Summer Internship	New	100

### PROFESSIONAL ELECTIVE

Course Code	Course Title	New course/Old course	Percentage Change in Syllabus
19UIT901	Machine Learning Algorithms and Applications	New	100
19UIT902	Internet Technology and Web Design (Integrated Course)	New	100
19UIT903	Insight in to Cloud Computing (Integrated Course)	New	100
19UIT904	Graphics and Multimedia (Integrated Course)	New	100
19UIT906	Fundamentals of Image Processing(Integrated Course)	New	100
19UIT907	Mobile Application Development (Integrated Course)	New	100
19UIT908	Introduction to Embedded Systems	New	100
19UIT909	Green Information Technology	New	100
19UIT910	Wireless Communication	New	100
15UIT911	Software Testing	Old	66
15UIT912	Adhoc and Sensor Networks	New	100
15UIT913	Data Administration and Tuning	New	100
15UIT914	Data Analytics	New	100
19UIT913	System Software Internals	Old	48
19UIT924	Robotics	New	100

### ONE CREDIT

Course Code	Course Title	New course/Old course	Percentage Change in Syllabus
19UIT871	Emotional Intelligence	New	100
19UIT872	UI Design	New	100



## 8. Approval of External Examiners

The list of External Examiners for practical examinations, theory examinations, question paper setting and Scrutiny members were presented to the members of the Board of Studies for approval. The same was approved by the BoS members

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

### Attachments:

Annexure: I	Institute & Department VISION, MISSION, PEOs, POs AND PSOs
Annexure: II	Stake Holders Feed Back and Suggestions
Annexure: III	Details and Observations of PAC Meetings
Annexure: IV	Program Articulation Matrix, POs, PSOs Attainment and Gap Analysis
Annexure: V	Classification & Mapping of Curriculum with Program Specific Criteria
Annexure: VI	Draft Curriculum which was submitted to the BoS
Annexure: VII	Revised Curriculum after BoS

**Chairperson**

Board of Studies / Information Technology

Chairperson  
Board of Studies  
Information Technology  
Sethu Institute of Technology  
Kariapatti - 626 115

# DEPARTMENT OF INFORMATION TECHNOLOGY

MINUTES OF BOS MEETING - 28.08.2020

Category of Courses which focusses on Employability / Entrepreneurship / Skill

Development

## Annexure I

COURSE CODE	COURSE NAME	CATEGORY
19UIT303	C Programming (Integrated Course)	Employability
19UIT304	Digital Principles and System Design	Skill Development
19UIT305	Principles of Operating Systems (Integrated Course)	Entrepreneurship
19UIT504	Microprocessor Based System Design	Entrepreneurship
19UIT509	Microprocessor Based System Design Laboratory	Entrepreneurship
19UIT404	Database Management Systems	Skill Development
19UIT406	Computer Networks	Entrepreneurship
19UIT601	Java Programming	Employability
19UIT602	Artificial Intelligence	Employability
19UIT608	Artificial Intelligence Laboratory	Employability
19UIT906	Fundamentals of Image Processing	Skill Development