



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 8th BOARD OF STUDIES (BOS) MEETING HELD ON 28.08.2020

The meeting of the 8th 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

9. Dr. L. Agila

Associate Professor / IT

Member

10. Mr. S. Rajasekhar

Assistant Professor (SG) / IT

CITEC Overall

11. Mrs. C. Prasad

Assistant Professor (SG) / IT

Member

12. Mrs. D. Raja Rani

Assistant Professor (SG) / IT

Member

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:

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|---------------|---|
| 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 |

S. S. Devi

Chairperson

Board of Studies / Information Technology

Chairperson
Board of Studies
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