



Estd: 1995

## SETHU INSTITUTE OF TECHNOLOGY

(An Autonomous Institution)

PULLOOR, KARIAPATTI - 626 115

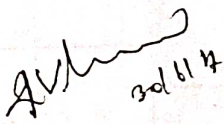
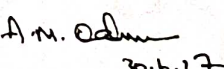
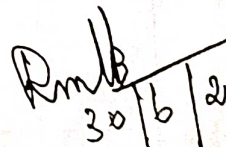



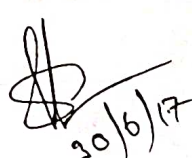

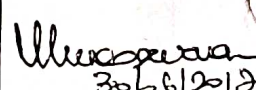
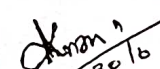

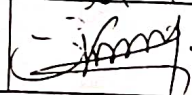
### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

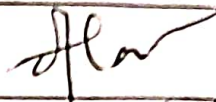

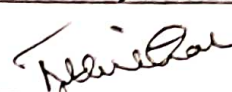
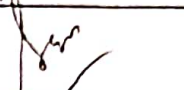
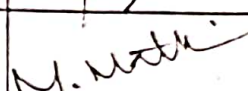
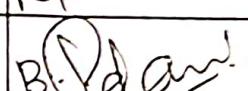
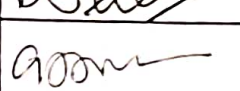
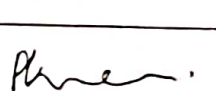
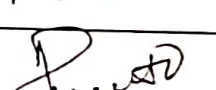
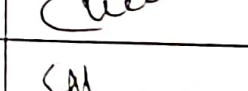
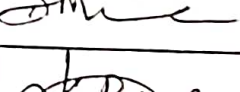
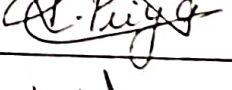

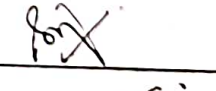
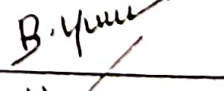
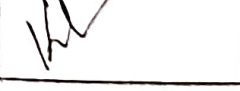
#### BOARD OF STUDIES

#### MINUTES OF THE MEETING



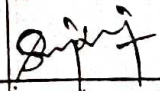
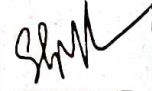
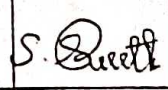

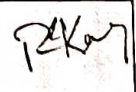


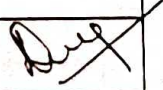


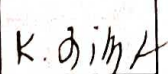
The Fifth meeting of the Board of Studies in the Department of Computer Science and Engineering was held on 30.06.2017 in the Seminar Hall of CSE Department, Sethu Institute of Technology, Pulloor, Kariapatti at 10.00 A.M.

S.No.	Members	Name of the Members	Address	Signature
1.	Chairman	Dr. R. Velumani	Professor & Head, Department of CSE, Sethu Institute of Technology, Pulloor.	 30/6/17
2.	University Nominee	Dr. A.M.Kalpna	Associate Professor, Department of Computer Science and Engineering, Government College of Engineering, Salem-636011.	 30.6.17
3.	Academic Expert	Dr. V.Ramachandran	Professor, Department of Information Science and Technology, Anna University, Chennai-600025.	 30/6/2017

S.No.	Members	Name of the Members	Address	Signature
4.	Academic Expert	Dr. K.G.Srinivasagan	Professor, Department of Information Technology, National Engineering College, K.R Nagar, Kovilpatti-628503.	 30/6
5.	Academic Expert	Dr. P.Subathra	Professor & Head, Department of Information Technology, Kamaraj College of Engineering and Technology, SPGC Nagar, Virudhunagar-626001.	 30/6/17
6.	Industry Nominee	Mr.P.Saravanan	Technical Lead, Honeywell Technologies, Madurai.	 30/6
7.	Alumni Nominee	Mr.V.Muneeswaran	Associate Professor, Department of Computer Science and Engineering, Sri Krishna College of Engineering and Technology, Kuniamuthur, Coimbatore-641008.	 30/6/2017
8.	Faculty Member	Dr. S. Sri Devi	Professor	 30/6
9.		Dr. C. CallinsChristiyana	Professor	 30/6/17
10.		Mr. P. Suresh	Associate Professor	

S.No.	Members	Name of the Members	Address	Signature
11.		Mr. N. Alangudi Balaji	Associate Professor	
12.		Mr. K. Sathish Kumar	Associate Professor	
13.		Mrs. D. Abitha Kumari	Associate Professor	
14.		Mr. B. Selva Ganesh	Associate Professor	
15.		Mrs. M. Mathinakani	Asst. Professor (S.G.)	
16.		Mrs. B. Pandeeswari	Asst. Professor (S.G.)	
17.		Mrs. G. Vairasuganthi	Asst. Professor (S.G.)	
18.		Mrs. P. Krishnaveni	Asst. Professor (S.G.)	
19.		Mrs. M. Poomani @ Punitha	Asst. Professor (S.G.)	
20.		Mrs. C. Meenakshi	Asst. Professor (S.G.)	
21.		Mrs. K. Priyadharshini	Asst. Professor (S.G.)	
22.		Mrs. A. Senthil Selvi	Asst. Professor (S.G.)	
23.		Mrs. S. Selvi	Asst. Professor (S.G.)	
24.		Mr. B. Guruprakash	Asst. Professor (S.G.)	
25.		Mrs. K. Dhanalakshmi	Asst. Professor (S.G.)	
26.		Mr. B. Shanmuga Raja	Asst. Professor	



S.No.	Members	Name of the Members	Address	Signature
27.		Ms.M.SyedRabiya	Asst. Professor	
28.		Mr.T.Siva	Asst. Professor	
29.		Ms.S.Priyadharsini	Asst. Professor	
30.		Ms.S.Gospeline Christiana	Asst. Professor	
31.		Ms.S.Sangeetha	Asst. Professor	
32.		Mr. V.Anthony Sahaya Balan	Asst. Professor	
33.		Ms.R. Karthiga	Asst. Professor	
34.		Mr. K. Peer mohamed	Asst. Professor	
35.		Mr. H. Mathew Joel Arulanandham	Asst. Professor	
36.		Ms. M. Deepa	Asst. Professor	
37.		Mr. K.A. Mohammed Faiz	Asst. Professor	
38.		Mr. S. Sathish Kumar	Asst. Professor	
39.		Ms.K.Nithya	Asst. Professor	

- The Chairman of the Board welcomed the members of the Board of Studies.
- The Chairman of the Board briefed on the evolution of the Department since inception, highlighting the milestones.
- The achievements of the Department were presented including University ranks secured by the students since inception and organization of several funded programs
- There was a special mention on the participation of faculty members and students in the NPTEL Online Courses conducted by Indian Institute of Technology. The accolades of the faculty and students in these courses were very much appreciated.
  - The achievement of Mr. N. AlangudiBalaji, in completing the course under Elite+Gold category was commended
- The Grant worth Rs. 23.2 Lakhs (Rupees Twenty Three Lakhs and Twenty Thousand) received by the Department of CSE was appreciated by the members of the Board.
- The excerpts of the Outcome Based Education (OBE) and the following salient features of Choice Based Credit System (CBCS) practiced in the Department of Computer Science were presented by the Chairman of the Board
  - Options for P.G. electives
  - Additional Credits
  - Credit Replacement
  - Mandatory Courses
  - Open Electives offered to other Departments
- The following change was proposed in the Curriculum under Regulation 2014 by the Chairman of the Board.
  - Replacement of the course 14UCS703 Cloud Computing with industry offered course Insight into Cloud Computing
- The following changes proposed in the Curriculum under Regulation 2015 were put forth by the Chairman of the Board
  - Addition of new industry offered courses
  - Replacement of existing courses with new industry offered courses
  - Providing 15UCS502 Object Oriented Analysis and Design and 15UCS508Case Tools Laboratory exclusively for CSE
  - Change of course code for Theory of Computation

- Change of course codes for the courses moved from M.E. CSE(Specialization in Networks) to M.E. CSE.
  - BOS members reviewed the modified syllabus of 15UCS923-Fuzzy Logic recommended the same.
- The Board Chairman briefed the Course Outcome attainment of the courses, the corresponding PO attainment of the Batch 2015-2019 in the academic year 2016-2017 ODD, PO attainment of the Batch 2013-2017 in the academic year 2016-2017 ODD, PO attainment of the Batch 2014-2018 in the academic year 2016-2017 ODD. The suggestions given in the PAC meeting dated 21.04.2017 are reviewed and recommended.

#### **The excerpts of the deliberations by the members and resolutions**

- Dr.V.Ramachandran, Academic Expert, emphasized that the curriculum must be structured inline with ACM standards and proposed the following suggestions in the curriculum under Regulation 2015.
- In Semester I, the course 15UCS107 Computer Programming can be replaced by Fundamentals of Computing comprising the basics of computers and C programming
  - In Semester II, the course 15UCS209 Programming and Datastructures can be replaced by Principles of Object Oriented Programming
  - In Semester III the following changes were proposed
    - The course 15UCS303 Computer Organization and Architectre can be renamed as Computer Architectre
    - The couseSensors and Transducers can be introduced as a prerequisite for Internet of Things
    - 15UCS307 Object Oriented Programming and Data Structures Laboratory can be replaced with Data Structures Laboratory
  - In Semester IV, the following changes were proposed
    - The course 15UCS402 Java Programming can be replaced with Programming Paradigm
      - All the Server Side components of Java and database connectivity concepts can be covered

- The course 15UCS407 Java Programming Laboratory can be replaced by Advanced Programming Laboratory
- In Semester V, the following changes were proposed
  - The course Internet and Web Technology intended to replace 15UCS501Web Programming can be enriched with detailed coverage of PHP and XML in separate units
  - The course 15UIT503 Graphics and Multimedia can be replaced by Digital Signal Processing Fundamentals as an integrated course
- In Semester VI, the following changes were proposed
  - The course 15UIT602 Mobile Applications Development can be replaced by Distributed Computing
  - The course 15UCS603 Artificial Intelligence can be replaced by Machine Learning Algorithms
  - The course 15UIT608 Mobile Applications Development Laboratory can be replaced with Compiler Design Laboratory
- In Semester VII, the following changes were proposed
  - The course 15UCS702 Insight Into Cloud Computing can be renamed as Cloud Computing Principles
  - The course 15UCS703 Data Science can be renamed as Data Science Fundamentals
  - A new course Security in Computing can be included
- The Elective courses 15UCS905 Database Technology and 15UCS927 Visual Programming using VC++ may be removed
- The courses Mobile Applications Development and Problem Solving techniques can be offered as one credit courses
- A course on Social Responsibility can be offered under mandatory courses
- The following suggestions were proposed in M.E. CSE Curriculum under Regulation 2015
  - In Semester I, the following changes were proposed
    - The course 15PCS101 Analysis of Algorithms and Datastructures can be renamed as Algorithmics

- The course 15PCS104 Advanced Datastructures Laboratory can be renamed as Algorithmics Laboratory
  - The course 15PCS102 Machine Learning Techniques can be replaced with 15PCS301Multicore Architecture
- In Semester II, the following changes were proposed
  - The course 15PCS201 Data Science and Big Data Analytics can be replaced with 15PCS508 Web Datamining
  - The course 15PCS202 Internals of Android can be renamed as Mobile OS Internals
- In Semester III, the following changes were proposed
  - The course 15PCS303/15PNE301 Mobile and Pervasive Computing can be moved into elective
  - The courses Data Science and Advanced Machine Learning Algorithms can be introduced
- Dr.A.M.Kalpana, University Nominee Dr.P.Subathra, Academic Expert commended the flexible credit system after a through review of the UG and PG curriculum and syllabus and proposed the following changes
  - The course15UCS916 Cryptography can be augmented with network security componentsand renamedas Cryptography and Network Security
- Dr. A.M.Kalpana and Dr.P.Subathra emphasized that the core courses must be mapped with Programme Specific Outcomes
- Dr.K.G.Srinivasagan, Academic Expert offered the following suggestions
  - Course Outcomes must be framed starting from the Apply level of Bloom's Taxonomy
  - Relevance must be ensured for credit replacement
  - PG students must be encouraged to undergo internships in Start-up companies for the course 15PCS204 Industrial Training and Internship
- Mr.P.Saravanan, Industry Nominee, suggested that logical sequence of courses registered should be ensured. Further, he added that new one credit courses may be offered on recent trends



- Mr.P.Saravanan, Industry Nominee suggested the following value added course for the B.E students. They are “Internet of Things using Arduino” and “Mobile Applications Development using IOS”.
- Mr.V.Muneeswaran, Alumni Nominee, suggested introducing a course, Problem Solving Techniques in Semester I.
- Detailed discussions were held on the suggestions by the members and the following resolutions were made

### **1.0 B.E. Computer Science and Engineering**

- 1.1 The Board Chairman presented the intricacies in modifying the curriculum in the first four semesters for B.E. CSE programme
- 1.2 It was decided to enrich the syllabus of 15UCS501 Web Programming covering PHP and XML in separate units and offer the course in the name of Internet and Web Technology as required by Infosys. The DOM can be covered with more details.
- 1.3 Replacement of 15UIT503 Graphics and Multimedia with Digital Signal Processing Fundamentals was found infeasible since 15UIT503 Graphics and Multimedia is a common course for CSE & IT Programmes. It was decided that the students can undergo Digital Signal Processing Fundamentals as an open elective course offered by the ECE department
- 1.4 It was decided to offer 15UCS502 Object Oriented Analysis and Design and 15UCS508 Case Tools Laboratory courses exclusively for B.E. CSE
- 1.5 The course code for Theory of Computation is changed from 15UCS503 to 15UCS504
- 1.6 The Elective courses 15UCS905 Database Technology and 15UCS927 Visual Programming using VC++ are removed
- 1.7 The Elective courses Distributed Computing and Machine Learning Algorithms will be offered as per the recommendations of the experts
- 1.8 Instead of introducing new course Security in Computing, the course 15UCS916 Cryptography is enriched with network security components

## **2.0 M.E. Computer Science and Engineering**

- 2.1 The Board Chairman made it clear that introducing changes in the M.E. CSE curriculum is not feasible due to the institutional guidelines
- 2.2 Switching courses between semesters and introduction of new courses will affect the students with back logs, readmitted students and Ph.D. scholars undergoing course work
- 2.3 However, the suggestions regarding the new courses by the experts will be incorporated in future
- 2.4 Mr.P.Saravanan, Industry Nominee suggested “MATLAB” course for the M.E students.
- 2.5 The changes in course codes for the following courses were approved

<b>S.No.</b>	<b>Existing Course Code</b>	<b>New Course Code</b>	<b>Course Name</b>
1	15PNE301	15PCS303/15PNE301	Mobile and Pervasive Computing
2	15PNE203	15PCS205/15PNE203	Network Security
3	15PNE502	15PCS524/15PNE502	Video Analytics
4	15PNE512	15PCS525/15PNE512	Network Protocols
5	15PNE514	15PCS526/15PNE514	Social Network Analysis
6	15PNE517	15PCS527/15PNE517	Information Security
7	15PNE518	15PCS528/15PNE518	TCP/IP Design and Implementation
8	15PNE521	15PCS529/15PNE521	Next Generation Networks

### 3.0 Percentage of changes in the Syllabi

BOS resolved to accept the following changes in the courses

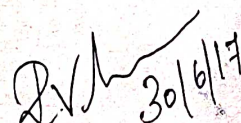
S.No.	Course Code & Name	Changes made in the Syllabi	Percentage of Changes
B.E Computer Science and Engineering			
1	15UCS501-Internet and Web Technology	Web Services concept is removed and DOM concept is added	20%
2	15UCS507-Internet and Web Technology Laboratory	DOM experiment id added	12.5%

### 4.0 New Courses Introduced in R2015

BOS resolved to introduced the following new courses

S.No	Course Code	Course Name
B.E Computer Science and Engineering		
1.	15UCS905	Distributed Computing
2.	15UCS927	Machine Learning Algorithms

- Dr. C. CallinsChristiyana, Faculty Member, delivered vote of thanks to conclude the meeting.



Chairman

Board of Studies

Computer Science and Engineering

Chairperson

Board of Studies

Computer Science & Engineering

Sri Lanka Institute of Technology,

Kariapattu - 026 115