SETHU INSTITUTE OF TECHNOLOGY

(An Autonomous Institution)
Pulloor - 626 115, Kariapatti (TK), Virudhunagar District.
DEPARTMENT OF INFORMATION TECHNOLOGY
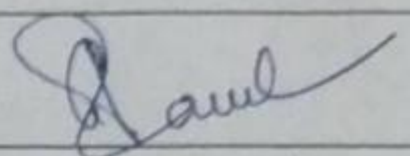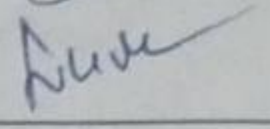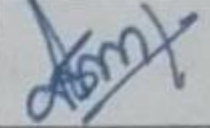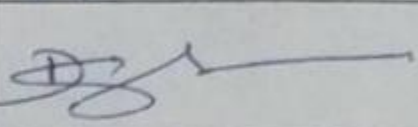Accredited by NBA, New Delhi

ACADEMIC YEAR 2017-2018
MINUTES OF BOARD OF STUDIES MEETING HELD ON 30.06.2017
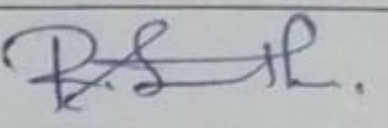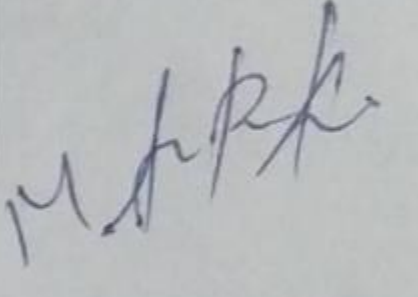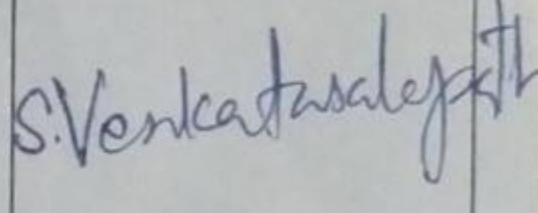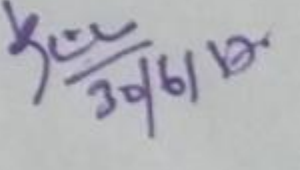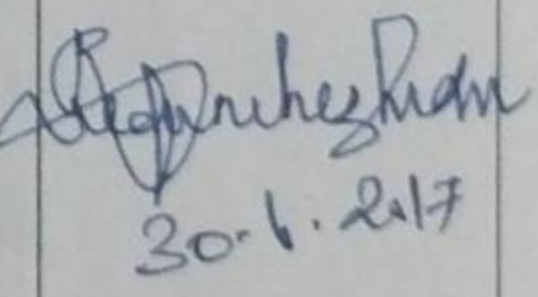
MINUTES OF 5th MEETING OF BOARD OF STUDIES (BOS) IN DEPARTMENT OF INFORMATION TECHNOLOGY HELD ON 30.06.2017

The Meeting of Board of Studies in the Department of Information Technology was held on 30.06.2017 in the IT Smart Class Room at Sethu Institute of Technology, Pulloor, and Kariapatti.

The following members were present:

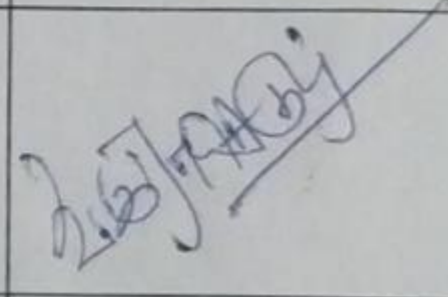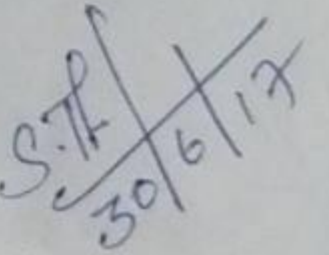| S.NO.	NAME OF THE MEMBERS	DESIGNATION	POSITION	SIGNATURE
1.	Dr. S.Siva Ranjani	Associate Professor and Head	Chairman	
2.	Dr.S.Sadasivam	Professor	Member	
3.	Mrs. S. Ummugulthum Natchiar	Associate Professor	Member	Medical Leave
4.	Mr.R.Rajaguru	Associate Professor	Member	
5.	Mrs.C.Seelammal	Associate Professor	Member	
6.	Dr.S.Jenicka	Associate Professor	Member	
7.	Dr.M.Malathi	Associate Professor	Member	
	Mrs. S.Rathnamala	Assistant Professor	Member	
9.	Mrs. C.Parameswari	Assistant Professor	Member	
10.	Mrs. D.Roja Ramani	Assistant Professor	Member	
11.	Ms. M. M. Yamuna Devi	Assistant Professor	Member	
12.	Mr. M. PrabhananthaKumar	Assistant Professor	Member	
13.	Mr. G.Sivakumar	Assistant Professor	Member	
14.	Mr. S.Senthil Pandi	Assistant Professor	Member	

15.	Mrs.G.Rajalakshmi	Assistant Professor	Member	
16.	Mr. S.V.K Muthukumar	Assistant Professor	Member	
17.	Mr.S.Arun Inigo	Assistant Professor	Member	
18.	Mr.D.Nagendra Kumar	Assistant Professor	Member	
19.	Ms.R.Sumitha	Assistant Professor	Member	
20.	Arun Prakash M **Alumni** (1999-2003 Batch)	GUVI Founder & CTO - GUVI.in Information Technology and Services Chennai	**Member**	
21.	Mr.S.Venkatasalapathi **External Industry Expert**	Software Engineer, Apple Incorporation Cupertino United States of America - 95014	**Member**	
22.	Mr. Selvakumar V.R **External Industry Expert**	Infosys Cluster Lead SWMS & Specialty Infosys Limited Chennai	**Member**	
23.	Dr.S.Thilagamani **External Academic Expert**	Professor and Dean Department of Computer Engineering, M.Kumarasamy College of Engineering, Karur.	**Member**	
24.	Dr. V.Seenivasagam **External Academic Expert**	Professor Department of Computer Science and Engineering, Controller of Examinations, National Engineering College, Kovilpatti.	**Member**	
25.	Dr.R.Nedunchezhian **Anna University Nominee**	Professor Department of Information Technology Coimbatore Institute of Technology Coimbatore	**Member**	

The Chairman started with welcome address and presented the proposed CBCS curriculum and syllabi to be followed from 2015-2016 Batch under autonomous regulations for B.Tech, Information Technology.

The members discussed thoroughly the curriculum and syllabi for B.Tech, Information technology to be followed from 2017-2018 batches under autonomous regulations and offered useful suggestions.

Based on the suggestions given by the members, the following resolutions were made based on the following agenda

1. To Inform About The Department Vision,Mission,PEOs,POs and PSOs and program curriculum and syllabi and to get approval for the same
2. To analyze the stakeholders feedback regarding curriculum and syllabi
3. To present the improvements/revisions to be made in the syllabus under 2014 and 2015 regulation and to classify the courses that focuses on employability/ entrepreneurship/Skill Development.
4. To present mapping of curriculum components with PEOs and POs
5. To present mapping of curriculum and syllabi with Program specific criteria
6. To present Industry involved courses
   - Industry design courses
   - Courses delivered by industries
   - Courses accessed by industries
7. Courses offered for problem based and project based learning
8. Any others

MEETING MINUTES

1. Chairman of the Board of studies have presented the Information Technology program Vision,Mission,PEOs,POs statements and resolved to approve the same
2. The feedbacks regarding curriculum were collected from stake holders. The feedback and the possible suggestion regarding curriculum were carried out in that regulations were analyzed.

3. In Regulation 2014

3.1 The course 01UCS701 – "Software Project Management" is resolved to be changed as 01UME701 – "Project Management and Finance."

3.2 It is resolved to introduce the following courses offered by the Infosys in the 2014 regulation

1. Mobile Application Development
2. Insight into Cloud Computing
3. Software Testing
4. Business Intelligence and its application
5. Big Data and Analysis
6. Internet of Everything

3.3 The course 14UIT703 – Mobile Communication System" is replaced with 14UIT704 – "Mobile Application Development" designed by Infosys

3.4 It is resolved to remove the course 14UIT704-"High Performance Network" and is replaced by 14UCS703 –"Insight into Cloud Computing "an Industry offered course.

3.5 It is resolved to rename the course 14UIT909-" Data Analytics "as 14UIT909-" Big Data and Analytics " and the content also changed as per the industry designed.

3.6 It is resolved to change the content of the course 14UIT912-"Principles of Software Testing "by the content designed by the industry.

3.7 It is resolved to remove the course 14UIT913– "Intelligent Agents" and is replaced by 14UIT913-"Internet of Every Things" joint designed with an Industry and offered Elective course.

In Regulation 2015

3.8 It is resolved to introduce the following courses offered by the Infosys in the 2015 regulation

1. Internet and Web Technology
2. Mobile Application Development
3. Insight into Cloud Computing
4. Software Testing
5. Business Intelligence and its applications
6. Big Data and Analytics
7. Python Programming

Professional Core

3.9 It is resolved to separate the course 14UIT504 Graphics and Multimedia (Theory cum Laboratory) course as Theory Course -15UIT503-"Graphics and Multimedia and lab course as 15UIT509- Graphics and Multimedia Laboratory.

3.10 The External Academic member Dr.S.Thilagamani suggested that the 15UCS508 "CASE Tool Laboratory "can be include in the theory content itself and teach the course with hands on training

3.11 It is decided to merge the CASE Tool Laboratory content into the theory course 15UCS502 –"Object Oriented Analysis and design" and renamed as 15UIT931 – "Object Oriented System Design" with 3 credits.

3.12 The University Nominee Dr.R.Nedunchezian suggested offering the course 15UIT931-"Object Oriented System Design" into Professional Electives and it is resolved to move the course into Elective with 3 Credits.

3.13 The University Nominee Dr.R.Nedunchezian suggested to include the course 15UIT504-" Design and Analysis of Algorithm" into professional core subject

3.14 It is resolved to include the course 15UIT504 –"Design and Analysis of Algorithms" with 3 Credits into Professional core .

3.15 It is resolved to rename the course 15UIT503-"Internet programming "as 15UCS501 –"Internet and Web Technologies "common to CSE and IT offered by Infosys.

3.16 It is resolved to rename the lab 15UIT503-"Internet programming Laboratory "as 15UCS507 –"Internet and Web Technologies Laboratory" common to CSE and IT offered by Infosys.

3.17 The External Academic member Dr.S.Thilagamani suggested to offer the course 15UIT602-" Data Warehousing and Data Mining" and 15UIT608 –"Data Warehousing and Data Mining Laboratory" –theory as well as lab in V semester and the course 15UIT502 –"Cryptography and Network Security" and 15UIT507 –" Cryptography and Network Security Laboratory" In VI Semester.

3.18 It is recommended to offer the course 15UIT602-"Data Warehousing and Data Mining" –theory as well as lab in Vth semester and the course 15UIT502-"Cryptography and Network Security "in VI Semester.

3.19 The course 15UIT602-"Pervasive Computing "is resolved to rename as 15UIT602 "Mobile Application Development" and the content are offered by Infosys

3.20 The course 15UIT608 "Mobile Application Development Laboratory" content was changed as by the Infosys content.

3.21 University Nominee Dr.R.Nedunchezian suggested to include the course Compiler Design in the Professional course

3.22 It is resolved to remove the course 15UIT604-"XML and Web Service" and replace with course 15UIT603-"Compiler Design"

Professional Electives

3.23 The course –15UIT911"Principles of Software Testing "is resolved to be renamed as 15UIT911 –"Software Testing" offered by the Infosys and common to CSE and IT

3.24 The course –15UIT916"Data Analytics" is resolved to be renamed as15UIT916 – "Big data and Analytics "offered by the Infosys

3.25 It is suggested and resolved to include the Course 15UCS925- "Business Intelligence and its Applications "common to CSE and IT as professional elective designed by Infosys.

3.26 It is suggested and resolved to include the Course 15UIT930- "Python Programming "as professional elective designed by Infosys.

Open Electives

3.27 It is decided to offer 15UIT977- "Learning IT Essentials by Doing "as an open elective offered by Infosys.

One Credit Course

3.28. It is decided to offer 15UIT866 -"Foundation Program 5.0 "as a one credit course offered by industry, this course 15UIT866 -"Foundation Program 5.0 " is designed and evaluated by the Infosys as an industry paper.

4. The Mapping of Curriculum components with PEOs and POs and PSOs was presented and discussed

5. The Mapping of Curriculum and syllabi with Programme Specific Criteria was presented and discussed elaborately.

6. Industry involved courses were presented
   6.2 In Professional Elective
       6.2.1 Offered by Infosys
           15UIT910 - Building Enterprise Applications

15UIT924- Agile software development

15UIT911- Software Testing

15UCS925 -Business Intelligence and its application

15UIT916- Big data and Analytics

15UIT924- Agile Software Development

15UIT977- Learning IT Essentials by Doing

15UIT866 -Foundation Program 5.0

6.2.2 Offered by EMC^2

15UCS902 - Information Storage Management

6.2.3 Offered by V Dart Software service Pvt. Ltd.,

15UIT861 - IT Infrastructure Management Service

Offer to Other Department

- It is suggested to separate the course 15UIT326 Data Structures and Algorithm Analysis Theory cum Laboratory course (Common to ECE and BME) a 4 Credit course as a separate course as Theory with 3 Credits and Laboratory with 1 Credit to Bio Medical Engineering discipline

- It is resolved to separate the course 15UIT326 Data Structures and Algorithm Analysis offered to Bio Medical Engineering as 15UIT327 Object Oriented Programming and Data Structures with 3 Credits and 15UIT 328 Object Oriented Programming and Data Structures Laboratory with 1 Credit

7. Categorization of Problem based learning and Project based learning was made for the courses offered in R2015 and following are the split-ups made after the discussion.

Problem Based Learning

15UIT601 - Cryptography and Network Security

15UIT502 - Data Warehousing and Data Mining

15UIT906 - Security and Risk Management

15UIT916- Big Data and Analytics

15UIT917 - Advanced Database Technology

15UIT922 - Formal Language and Automata

Project Based Learning

15UIT406 - Computer Networks

15UCS407 - Java Programming Laboratory

15UIT408 - Database Management Systems Laboratory

15UIT409 - Computer Networks Laboratory

15UIT601 - Cryptography and Network Security

15UIT931 - Object Oriented System and Design

15UCS501 - Internet and Web Technologies

15UIT607 - Security Laboratory

15UCS507- Internet and Web Technologies Laboratory

15UIT602 - Mobile Application Development

15UIT608 - Mobile Application Development Laboratory

15UIT609- Technical Project

List of new courses for regulation 2015

S.No.	Course Code & Course Name
1	15UIT209-Problem Solving and Programming Techniques
2	15UIT211-Programming Techniques Laboratory
3	15UIT403-Introduction to Human Computer Interaction
4	15UIT404 Software Engineering Methodologies
5	15UIT504 Analysis and Design of Algorithm
6	15UIT602 -Mobile Applications Development
7	15UIT609 Technical Project
8	15UIT703 Fundamentals of Image Processing
9	15UIT707 Image Processing Laboratory
10	15UIT861 IT- Infrastructure Management Service
11	15UIT862 Introduction to 3D Animation
12	15UIT863 Web Programming with PHP
13	15UIT864 Android Programming – I
14	15UIT865 Android Programming – II
15	15UIT866 Foundation Program 5.0
16	15UIT867 Logics of Programming
17	15UIT868 Arduino Raspberry Pi
18	15UIT869 No SQL
19	15UIT870 PHP Fundamentals
20	15UIT902 Formal Language and Automata
21	15UIT904 Distributed Operating System
22	15UIT907 Next Generation Networks
23	15UIT908 Paradigms in Green Computing
24	15UIT909 Wireless Communication
25	15UIT913 Data Administration and Tuning

26	15UIT916 Intelligent Agents
27	15UIT922 Semantic Web Engineering
28	15UIT923 Neuro Fuzzy Systems
29	15UIT925 Information Retrieval Methods
30	15UIT926 Visualization Techniques
31	15UIT927 Mobility Engineering
32	15UIT928 Nature and Bio-Inspired Computing
33	15UIT929 Unix Internals
34	15UIT930 Programming with Python
35	15UIT932 Organizational Behavior

List of courses for Regulation 2015 in which syllabus revision is made

S.No.	Course Code & Course Name	% of Content Changes Made
1	15UIT302-Data Structures and Algorithms	20
2	15UIT304-Object Oriented Programming	20
3	15UIT305 Operating Systems	20
4	15UIT306-Analog and Digital Communication	40
5	15UIT307-Object Oriented Programming Laboratory	80
6	15UIT406-Computer Networks	20
7	15UIT409-Computer Networks Laboratory	80
8	15UIT503 Graphics and Multimedia	80
10	15UIT509 Graphics and Multimedia Laboratory	90
11	15UIT901 -Programming Paradigms	20
12	15UIT911-Software testing	66

15UIT702 - Fundamentals of Image Processing
15UCS702- Insight into Cloud Computing
15UCS706 - Insight into Cloud Computing Laboratory
15UIT707 -Image Processing Laboratory
15UIT804 - Project Work

8. General Discussion

8.1 The Anna University Nominee Dr.R.Nedunchezian suggested including data structures for two semesters and increasing credit score for data structures in upcoming regulation.

8.2 The external academic expert member Dr.V.Seenivasagam suggested to offer the one credit courses as more practical oriented and to include more number of Electives.

8.3 The Industry Expert member Mr.V.R Selvakumar suggested to use open source tools for all the laboratories.

8.4 The Alumni Mr.M.ArunPrakash suggested to incorporate the open source software for their project work, and to choose the open source project with Bug Fixing

8.5 The external academic expert member Dr.V.Seenivasagam suggested conduct to project reviews for students as a team under researchers.

8.6 The external academic expert member Dr.Thilagamani suggested to train students in document writing as a value added course.

8.7 The external academic expert member Dr.Thilagamani suggested to Refer IIT –IET - inspect for domain specific access (ontology).

8.8 The external academic expert member Dr.V.Seenivasagam suggested that end semester marks can be used for calculating outcome attainment analysis.

The Board Chairman presented that Evaluators will be invited from the reputed institutions who will be involved in End Semester Autonomous Laboratory and Theory Examination as Examiners and Question setters

The Board of Studies member resolved to approve the same list for Examination purpose

The Board of studies of Department of Information Technology approves and recommendations made by all the members for the Choice based credit system curriculum and syllabi of B.Tech, Information Technology to be followed from the academic year 2015-2016 under autonomous regulations 2015 with the above modifications.

The chairman thanked all the members for their contribution and valuable suggestions in framing the curriculum and syllabi for B.Tech Information Technology.

Chairman
Board of Studies
Information Technology

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