Department of Information Technology

Minutes of the Second Board of Studies Meeting

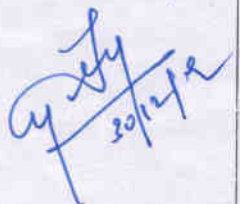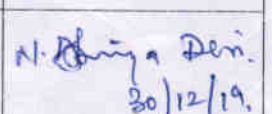**Date :** 30.12.2019   **Time :** 2.00 pm

Venue : Presentation Hall, FX block

The Second Board of Studies Meeting of **Information Technology** Department was convened under the chairmanship of **Mrs. T. C. Subbulakshmi**, Professor and Head / **Information Technology** of Francis Xavier Engineering College in the **presentation Hall** on 30th December, 2019 at 2.00 pm.

External Members:

S. No	Members as per UGC Norms	Members Nominated	Signature
1	Head of the Department concerned (Chairman)	Mrs. T.C. Subbulakshmi	30/12/19
2	One Expert nominated by the Vice Chancellor from a panel of six recommended by the college Principal	Dr.Dejey, Assistant Professor, Department of Computer Science and Engineering, University College of Engineering, Konam, Nagercoil, TamilNadu India – 629004	30/12/19
3	Two experts in the subject from outside the college nominated by the Academic Council	Dr.B.Ramadoss, Professor(HAG) Department of Computer Applications NIT, Tiruchirapalli TamilNadu -620 015	B. Kamadum 30/12/19
		Dr. Ka. Selvaradjou Professor, Department of Computer Science & Engineering, Pondicherry Engineering College, Pondicherry - 605 014	30/12/19
4	One representative from industry/corporate sector/allied area relating to placement	Er.C.Karthikaeyan, CEO & Trainer - Skill Rack Peecee Castle services Ltd. Bangalore.	ABSENT
5	One Post Graduate meritorious aluminous nominated by the Principal	Er.N.Abinaya Devi, Business analyst IBM , Chennai.	N. Abinya Devi. 30/12/19.

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Internal Members

S.No	Name of the Member	Designation	Signature
1	Dr Ravi R	Prof/IT	
2	Dr.A.Anitha	Prof/IT	
3	Mr Prince Devaraj G	Asso. Prof/IT	
4	MrAntoTheepak T	Asso. Prof/IT	
5	Mr Joseph Pushparaj D	AP/IT	
6	Ms Agnes Joshy S	AP/IT	
7	Ms Monica Esther J	AP/IT	
8	MsWestring Hannah M	AP/IT	
9	Ms.Thiraviaselvi G,	AP/IT	

S. No	EX OFFICIO MEMBERS
1	Principal, Francis Xavier Engineering College, Tirunelveli
2	Professor Academics, Francis Xavier Engineering College, Tirunelveli
3	Controller of Examinations, Francis Xavier Engineering College, Tirunelveli

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Minutes of Meeting

Chairman and Professor **Ms Subbulakshmi T C** welcomed the members of the Board of Studies and highlighted the importance of the second Board of Studies meeting. She pointed out that the local need is to strengthen **Communication, Analytical Ability and Industrial Exposure** (Either through industrial projects or attending in-plant training) of our students. She further requested the University Nominee and other Expert members to give due consideration to the local need while finalizing the curriculum and syllabi in exercise of autonomy.

The Chairman of the board **Ms Subbulakshmi T C**, HOD/IT introduced the external members of "Board of Studies" which includes a University Nominee, Expert members, an industry member and an alumnus of the college. Chairman outlined the agenda for discussion in the meeting. The Internal members introduced themselves to the Board of Studies.

Agenda:

Item No.	Particulars
Item : 1.1	Meeting Minutes of BoS meeting I
Item : 1.2	Revision of Curriculum and Syllabi of B.Tech Information Technology - Semester II
Item : 1.3	Curriculum and Syllabi of B.Tech Information Technology - Semester V
Item : 1.4	Curriculum and Syllabi of B.Tech Information Technology - Semester VI
Item : 1.5	Curriculum and Syllabi of B.Tech Information Technology – Professional Electives I, II, III & IV
Item: 1.6	Curriculum and Syllabi of B.Tech Information Technology –Open Electives
Item 1.7	Others

The BoS members suggested the following points.

- A book can be considered text book when 60% of the syllabus is available in the given book.
- The text and reference books suggested for the subjects must be of latest edition.

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- Uniform format must be followed for text and reference book representations throughout the syllabus.
- Any assessment done in group must have guidelines and rubrics. The number of Students per group must be restricted to 2 or 3.
- Non credit mandatory courses must have some assessment guidelines.

Agenda 1.1: Meeting Minutes of BoS I

The chairman presented the updations and corrections incorporated in the syllabus as per the suggestions given in BoS I. The Students feedback such as CAD lab for EG, more Hands-on practice for programming papers was presented to the BoS Members.

Agenda 1.2: Revision of Curriculum and Syllabi of B.Tech Information Technology - Semester II

- Basics of Electrical and Electronics Engineering Lab

  It was suggested to update BEEE syllabus by including few more electronics experiments so as to satisfy the prerequisite for digital lab.

Agenda 1.3: Curriculum and Syllabi of B.Tech Information Technology - Semester V

- Web Programming

  Prof. Dr.B.Ramadossand Prof.Dr.Ka.Selvaradjou suggested including recent text books in the syllabus.

- Virtualization and Cloud Computing

  Prof Subbulakshmi T C told that previously we had Grid and Cloud Computing, as Grid is out dated we changed it to Virtualization and Cloud Computing. Ms Abinaya Devi N suggested including SDN here. Prof Subbulakshmi T C justified that the dept. has an idea of giving an elective in Software Defined Networking.

Agenda 4: Curriculum and Syllabi of B.Tech Information Technology - Semester VI

- Mobile Application Development

  Prof. Dr.B.Ramadoss insisted to Convert MAD lab to Theory cum Practical and to name it as Mobile App Development.

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- Artificial Intelligence

  Prof. Dr.B.Ramadoss and Prof.Dr.Ka.Selvaradjou suggested including some concepts of machine learning in fifth unit. Ms N.Abinaya Devi suggested including unsupervised learning and ANN.

- Network and Information Security

  Prof. Dr. Dejey suggested reordering the course content in order to learn cryptography before network security and also insisted to include block chain in Cryptography. It was suggested to use web references since there is notext books for block chain.

- Mini Project

  Prof. Dr.B.Ramadoss and Prof.Dr.Ka.Selvaradjou insisted to prepare guidelines for mini project evaluation including engineering methodologies, phases of implementation, etc. Prof.Dr.Ka.Selvaradjou suggested restricting the team size to only 2 members in BoS I and the same will be followed for mini project as well.

- Professional Ethics

  Prof.Dr.Ka.Selvaradjou suggested updating the edition of text books.

- Aptitude II

  Prof.Dr.Ka.Selvaradjou suggested having some guidelines and evaluation schemes for assessment. Prof.Dr.Ka.Selvaradjou suggested including Web resources also.

Agenda 5: Curriculum and Syllabi of B.Tech Information Technology - Professional Electives I, II, III & IV

Professional Elective I

- Advanced Java Programming

  Prof.Dr.Ka.Selvaradjou asked about difference between Basic and Advanced Java Programming. Prof Subbulakshmi T C explained that the advanced topics like Servlets, Socket Programming, J2EE, Java Beans etc are included in advanced Java Programming. Prof.Dr.Ka.Selvaradjou insisted to include recent edition books as text books.

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- Distributed systems

  Prof. Dr.B.Ramadoss asked for Distributed Systems to be in Core. Prof T C Subbulakshmi explained that department has subjects like Cloud Computing and Operating Systems in core stream so Distributed Systems has been moved to Elective. Prof.Dr.Ka.Selvaradjou suggested including book authored by William Stallings in References.

- Discrete Mathematics

  Prof. Dr.B.Ramadoss appreciated for using standard text books and in Discrete Mathematics. Prof. Dr.B.Ramadoss & Prof.Dr.Ka.Selvaradjou suggested offering Discrete Mathematics in core stream. Prof.T.C.Subbulakshmi justified that students who are aspiring for GATE may choose. Prof. Dr.B.Ramadoss asked for automata theory to be included in Discrete Mathematics. Prof T C Subbulakshmi justified that Automata Theory is included as elective paper.

- Computer Graphics

  Prof. Dr.B.Ramadoss and Prof.Dr.Ka.Selvaradjou suggested Computer Graphics to be in aligned with Image Processing. Prof Dr. Dejey insisted to include Blender Graphics.

Professional Elective II

- Mobile Computing

  Prof.Dr.Ka.Selvaradjou suggested including LTE and 5G in UNIT III of Mobile Computing.

- Advanced Data Structures

  All the External members insisted that there is an overlapping in basic Data structures and advanced data structures. Prof. Dr.B.Ramadoss and Prof.Dr.Ka.Selvaradjou insisted that while refining the syllabus, it must be ensured that GATE and NET contents are included.

- Object Oriented Software Modeling and Design

  Prof. Dr.B.Ramadoss and Prof.Dr.Ka.Selvaradjou insisted to include the recent edition text books in the syllabus.

- Advanced Databases

  As the syllabus had only References and no Text Books, Prof. Dr.B.Ramadoss and Prof.Dr.Ka.Selvaradjou suggested segregating the given list into Text and Reference Books.

Prof. Dr.B.Ramadoss and Prof.Dr.Ka.Selvaradjou suggested to include Distributed Databases in Database Systems and to remove it from Advanced Databases. Ms Abinaya Devi N suggested including No SQL and Nonlinear Databases in the syllabus.

Professional Elective III

- Embedded Systems

  Prof. Dr.B.Ramadoss and Prof.Dr.Ka.Selvaradjou suggested including Architectures of Arduino, and Rasberry Pi in fourth unit of the syllabus and Ms Abinaya Devi N suggested including Case Studies of Advanced topics in Unit V.

- Computational Theory and Compilers

  Prof Dr Dejey told that the syllabus is heavy to learn, Prof Subbulakshmi T C justified that it has been designed in such a way that GATE aspirants will make use of it.

- Multimedia Systems and Tools

  Prof Dr Dejey insisted including recent multimedia systems and advanced tools and also insisted to restructure the entire syllabus in order give a very good syllabus.

Professional Elective IV

- Software Quality Management

  Prof. Dr.B.Ramadoss told to update fifth unit with PCMM as it satisfies industry needs.

- User Interface Design

  Prof Dr Dejey mentioned that there is a discrepancy between Course Objectives and Course Outcomes and suggested to keep it in aligned with UID. Prof Dr Dejey told that the course content and text books are aligned with Human Computer Interaction and insisted us to change the title.

Agenda 6: Curriculum and Syllabi of B.Tech Information Technology - Open Elective

Prof Subbulakshmi T C displayed the list of Subjects in consideration to be offered as Open Electives for other department students. Dr Dejey suggested IOT as one of the electives. Prof. Dr.B.Ramadoss and Prof.Dr.Ka.Selvaradjou asked for Programming in C to be in core, Prof Subbulakshmi T C explained that mechanical and civil students are not learning C Programming, so offered as Open elective. Prof.Dr.Ka.Selvaradjou suggested offering embedded system as

open elective and Ms Abinaya Devi N insisted to include Basics of Data science and machine learning in open elective.

    The BOS chairman consolidated the suggestions and deliberations discussed during the meeting and were accepted by the BoS members.

    The meeting concluded at 4.30 P.M and the chairman of the board thanked all the BOS Members for their valuable suggestions and contribution in the fine tuning of Autonomous syllabus for Semester V and VI, Professional Electives I, II, III & IV and open electives. It was decided that the remaining higher semester papers will be discussed in detail and will get finalized in the next BoS Meeting.

30/12/2019

Prof.T.C.Subbulakshmi

Chairman

Board of Studies
Department of Information Technology