Sri Sairam Engineering College
Sai Leo Nagar,WestTambaram, Chennai – 600044
Department of Information Technology

Minutes of the first Board of Studies meeting

The first Board of Studies (BOS) meeting of the department of Information Technology was conducted on **10.06.2020** through online mode (ZOOM) at 10.00 A.M (IST). Following members were present.

1. **Dr. P.Malliga**   External stakeholder
   Associate Professor   (Subject Expert)
   Centre for Educational Media and Technology
   NITTR, Chennai

2. **Dr.K.Vivekanandan**   External stakeholder
   Dean (Students) and Professor   (Subject Expert)
   Department of Computer Science and Engineering
   Pondicherry Engineering College
   Puducherry

3. **Dr. N. K. Karthikeyan**   External stakeholder
   Professor & Head   (University Representative)
   Department of Information Technology
   Coimbatore Institute of Technology
   Coimbatore

4. **Mr.Gajendran Ganesapandian**   External stakeholder
   Member of Technical Staff 2   (Industrial Expert)
   PayPal India Pvt. Ltd.
   Chennai

5. **Mr.R.Arun**   External stakeholder
   Manager   (Alumni Member)
   PayPal India Pvt. Ltd.
   Chennai

6. Dr. G.Adiline Macriga   Internal stakeholder

7. Dr.S.Sankari   Internal stakeholder

8. Dr. M.Suresh Kumar   Internal stakeholder

9. Dr. M.Ananthi   Internal stakeholder

10. Dr.T.Subha   Internal stakeholder

11. Dr.T.P.Rani   Internal stakeholder

12. Dr.Soma Prathibha	Internal stakeholder
13. Dr.R.Ranjana	Internal stakeholder
14. **Dr T.Sheela** Professor& Head, IT Sri Sairam Engineering College	**Chairman, BOS/IT**

Dr.T.Sheela, Chairman of BOS opened the meeting by welcoming and introducing the external members to the internal members. The chairman placed the following agenda for the deliberations and discussions of the members. The following are the deliberations made during the meeting (as per the items of the circulated agenda).

BOS.IT.20.01.01:   To review and approve the curriculum and syllabus of UG programme in IT. The members recommended the following:

1. Dr. Karthikeyan, Appreciated the syllabus framing committee. The overall curriculum and syllabus is framed according to the AICTE directions and concentrating towards the latest technology and industrial needs.

2. Dr. Vivekanandan, pointed out that in Semester III, the credits for the lab and the contact hours is not uniform. (ex. 3 contact hours – 1 credit & 2 contact hours – 1 credit. He suggested to follow uniform contact hours and credit system.

3. Mr. Gajendran, suggested to include Reactive Programming (the latest technology followed in the industry) in OOPs as 1 unit.

4. Mr. Gajendran also said that DBMS topics are traditional. He suggested to include NOSQL as 1 unit in DBMS.

5. Dr. Vivekanandan, insisted to follow certain norms regarding Internship. The procedures for internships need to be defined in the regulations.

6. Dr. Malliga and Dr. Vivekanandan, insisted to include the total contact hours in the curriculum.

7. Mr. Gajendran, concentrated much in Web Technology. He suggested that students should be well trained in basics of WT and also CSS need to be included in the syllabus. The students need to be provided training in real time applications (Build Website Applications like Yatra.com)

8. Dr. Vivekanandan, suggested that Lab contact hours need to be uniform (in Semester IV Contact hours 2 & Credit 2)

9. Dr. Malliga, enquired about the value added course and clarify her doubt.(No Credit for VAC)

10. Dr. Vivekanandan, suggested to specify the total contact hours of VAC per Semester.(like 15/30 hours per Semester)

11. Dr. Vivekanandan, regarding VIII Sem students can be allowed to complete the VIII Semester subjects in advance,(ie. during the VI or VII Semester) so that students can do industry projects for 6 months. Need to include this in the regulations.

12. Dr. Malliga, enquired about the availability of software engineering course in the curriculum. Clarified that it is available in the III Semester.

After explaining about the Curriculum by Dr.T.Sheela, Dr. Karthikeyan summarized the following points.

1. Syllabus is fairly good

2. Follow the norms and curriculum provided by AICTE. (Total Credit for UG 165) Suggested to have the credit between 165 to 170.

3. All most the AICTE recommended courses are followed – feel happy.

4. Objectives should be specific (Two or Three). Some subjects are have six. Need to be reframed.

5. As pointed by Dr.Vivekanandan Internship need to be 45 days.

6. Accommodate NPTEL courses (allocate 1 or 2 credits – Give priority). Dr.P.Malliga also recommended to give credits in parallel.

7. AICTE recommended NPTEL online courses up to 40%

8. IV Semester Statistical Analysis using R can be moved to V or VI Semester (which will be helpful to the students)

9. Semester V - Total Credits – 26. Restrict within 25. Have fair share of total credits in all semesters.

10. In VI Semester two credits can be given to Innovative Project Design.

11. Look into the no. of subjects in VI Semester.

12. Go for more case study papers (real time case study for Industry Applications - V unit) in the subjects especially in VI & VII Semester.

13. Restrict to 2 text books with latest edition.(Probably e-books)

14. Web Technology - Go with Mr. Gajendran's recommendations.

15. VII Semester – CNS & Cyber same syllabus. Need to be merged

16. AICTE concentrates in tutorial. Consider tutorial hours in subjects like Data Structures and probably the problematic subjects.

17. Skill enhancement: Instead of having in all Semester, II, IV,VI can be encouraged.

18. Final year project increase the credit in VII and VIII Semester.(8-10). Project weightage will increase the CGPA of all the students.

19. Uniformity in the number of text books and reference books emphasized.

Based on the suggestions given by the members, the Chairman of BOS told that those fruitful suggestions would be incorporated appropriately in the **curriculum and syllabi.**

BOS resolved to recommend the following to the Academic Council for further approval.

a) **Syllabus for core courses of B.Tech. Information Technology Programme as enclosed in Annexure 1.**

b) **List of Professional and Open Elective Courses in B.Tech. Information Technology Programme as enclosed in Annexure II**

BOS.IT.20.01.02: To review and approve the syllabus of courses offered to **All departments**

The members reviewed the following syllabus of courses offered to **All Departments** and resolved to approve the same.

1. **20ESIT201 - Python Programming With Laboratory**

List of Courses offered to **All Departments** from **IT** as enclosed in **Annexure -III.**

BOS.IT.20.01.03: To review and approve the syllabus of courses offered to **EIE**

The members reviewed the following syllabus of courses offered to **EIE** and resolved to approve the same.

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1. **20ESIT301- Data Structures and Algorithms**

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List of Courses offered for **EIE** department from **IT** as enclosed in **Annexure -III.**

BOS.IT.20.01.04: To review and approve the syllabus of courses offered to **ICE**

The members reviewed the following syllabus of courses offered to **ICE** and resolved to approve the same.

<div align="center">

1. **20ESIT301- Data Structures and Algorithms**

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List of Courses offered for **ICE** department from **IT** as enclosed in **Annexure -III.**

BOS.IT.20.01.05: To review and approve the syllabus of courses offered to **CSE**

The members reviewed the following syllabus of courses offered to **CSE** and resolved to approve the same.

1. **20ESIT202 - Python Programming**
2. **20ESIT203 – Digital Principles and System Design**
3. **20ESPL201 - Python Programming Laboratory**
4. **20ESPL202 - Digital Laboratory**
5. **20ITPC301 - Data Structures**
6. **20ITPC303 - Computer Organization and Architecture**
7. **20ITPL301 - Data Structures Laboratory**
8. **20ITPC401 - Design and Analysis of Algorithms**
9. **20ITPC701 - Cryptography and Network Security**
10. **20ITPL701 - Cryptography and Network Security Laboratory**
11. **20ITEL601 - Software Testing**
12. **20ITEL605 - Computer Graphics and Multimedia**
13. **20ITEL607 - Embedded Systems**
14. **20ITEL702 - Wireless Adhoc and Sensor Networks**
15. **20ITEL706 - Digital Image Processing**
16. **20ITEL707 - Soft Computing**
17. **20ITEL709 - Introduction to Internet of Things**
18. **20ITEL710 - Virtual and Augmented Reality**
19. **20ITEL803 - Pattern Recognition Techniques**

List of Courses offered for **CSE** department from **IT** as enclosed in **Annexure -III.**

BOS.IT.20.01.06:   To review and approve the syllabus of courses offered to **EEE**

1. **20ITPC301- Data Structures**
2. **20ITPL301- Data Structures Laboratory**
3. **20ITPC702-Data Science with Machine Learning**

List of Courses offered for **EEE** department from IT as enclosed in **Annexure -III.**

BOS.IT.20.01.07:   To review and approve the curriculum and syllabus of PG Programme in Engineering with specialization in Networks.

a) The members felt that the total credits designed in the PG programme in Engineering with specialization in Networks curriculum is little bit more.

b) The proposed total cumulative credits of 70 may be reduced around 65 credits.

c) Dr. Karthikeyan Clarified the doubt that the courses offering with CSE – like Data Science is left out.

d) Course OS & Virtualization can be changed to Cloud Computing & Virtualization.

e) Dr. Malliga also suggested the same.

f) Mr. Gajendran suggested to include new techniques like containers & dockers as 1 unit in UG & PG.

g) Dr. Karthikeyan, For PG no text books. Only references & web resources.

h) For PG – include some more latest courses in discussion with Industry people and Alumni.

Syllabus for core and professional elective courses of **M.E. Computer Science and Engineering with specialization in Networks** under Information Technology Programme as enclosed in **Annexure -IV**.

BOS.IT.20.01.08:   To review and approve the curriculum and syllabus of courses offered to PG PG programme in CSE

The members reviewed the following syllabus of courses offered to **CSE** and resolved to approve the same.
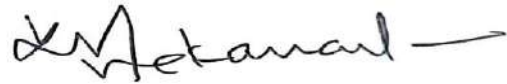
1. **20PCNEL201-Image Processing and Analysis**
2. **20PCNEL209-Mobile and Pervasive Computing**
3. **20PCNEL207-Soft Architecture and Design**
4. **20PCNEL311- Ethical Hacking**
5. **20PCNEL306-Social Network Analysis**
6. **20PCNEL308-Information Storage Management**

List of Courses offered for **M.E. Computer Science and Engineering** department from **IT** as enclosed in **Annexure -V.**

In the concluding remarks, the chairman stated that the reduction of credits in UG and PG Curriculum and other recommendations suggested by the members would be considered. Meeting then ended with vote of thanks by Dr. R.Ranjana, Associate Professor/IT.

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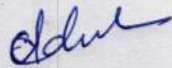
Mr.Gajendran Ganesapandian
Member of Technical Staff 2
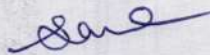Paypal India Pvt. Ltd.
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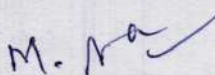Coimbatore Institute of Technology
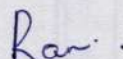Coimbatore

Dr.G.AdilineMacriga
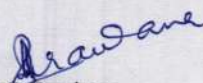
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