



## ACADEMIC YEAR 2014-15

### Feedback from Employers: Analysis Report

Date: 02.07.15

A. Employers are members of Board of Studies (BOS) of Departments / Schools and also in School Level Advisory Committee (SLAC) meetings. Their views on the following parameters are considered for further recommendation in the appropriate forum.

- ❖ Changes / Modification in Curriculum and Syllabus
- ❖ Introduction of new courses
- ❖ Inclusion of cutting edge technology courses
- ❖ Employability related courses
- ❖ Value added courses

**Note:** Minutes of Board of Studies Meeting of Department of Computer Science Engineering which was held on 29.05.15 is attached as sample evidence for participation of employers.

BOS and SLAC were conducted during May – June 2015 and following points recommended by the employers was considered and recommended.

- ❖ Introduction of new laboratory courses
- ❖ New elective courses in the cutting edge areas
- ❖ Inclusion of employability related courses

**Annexure: Minutes of Eighth Meeting of Board of Studies Computer Science & Engineering Department held on 29.05.15 ( as sample document)**

Dean, Academic Affairs



01.06.2015

**School of Computer Information and Mathematical Sciences  
Department of Computer Science & Engineering****Minutes of the Meeting of Board of Studies (May 29<sup>th</sup>, 2015)**

The Eighth meeting of the Board of Studies for the Department of Computer Science & Engineering was held at 2.00 PM on 29.5.2015 in the Seminar Hall of the Department. The following members were present.

**External Members**

1. Dr. Damodaran Venkatesan, CEO, Ameex Technologies, Chennai.
- ✓ 2. Mr. Balaji Sethuraman, Chief Architect, Cognizant Technology Solutions, Chennai.
3. Dr. T. V. Geetha, Professor, Dept. of Computer Science and Engineering, Anna University, Chennai – 600 025.
4. Dr. Ranjani Parthasarathi, Professor, Dept. of Information Science and Technology, Anna University, Chennai – 600 025.
- ✓ 5. Mr. Raman Ramanarayanan, Technical Architect, Prodapt Solutions, Thoraipakkam, Chennai.
- ✓ 6. Ms. Priya, Technical Lead, Alten Calsoft Labs, Chennai.
- ✓ 7. Mr. Narendran, Sharepoint Consultant, Accenture, Chennai.

**Internal Members**

1. Dr. K. M. Mehata
2. Dr. Sharmila Sankar
3. Dr. Angelina Geetha
4. Dr. R. Shriram\*
5. Dr. W. Aisha Banu\*
6. Dr. M. Sandhya
7. Mrs. X. Arputha Rathina
8. Dr. S. Revathi
9. Dr. N. Sabiyath Fatima
10. Mrs. Saira Banu

**Special Invitees**

1. Dean (Physical and Chemical Sciences)
2. Mr.G.Kalaiarasan, for HOD/Maths
3. Dr.A.Shajahan, for HOD/Chemistry

Note: \* - could not attend due to their prior academic commitments.

**Dr. Sharmila Sankar**, Head of the Department welcomed the members for the Board of studies, introduced the new members of Board of Studies and briefed the agenda of the meeting. The minutes of the seventh meeting of the Board of Studies was approved by the members of the Board of Studies.

**Item 8.1 To approve the changes in the syllabi contents of the following courses in B.Tech (Computer Science & Engineering), M.Tech (Computer Science and Engineering), M.Tech (Software Engineering) and M.Tech (Network Security) and M.Tech (Computer Predictive and Analytics) Programmes.**

**M.Tech-CSE**

- H.O.D explained that, in the course CSB6102 - Computer Architecture the module 2 and 3 were combined as a single module. Multi-threading was included in the third module.
- Dr. Ranjani Parthasarathi suggested that the contents in the syllabus are highly advanced, hence number of hours allotted may be increased.
- Dr. T.V Geetha suggested to add new edition of books in the references.
- H.O.D explained that, in the course CSB6211- Database Technology, the modules were reordered. Dr. T. V. Geetha suggested to add graph based data mining to module 5 which covers object databases. Also she recommended to add image databases under big data in module 6.
- In the course CSB6212-Network Security, Web security and Secure Electronic mails were deleted from module 4 as they were already discussed in module 5.
- In the course CSB7201-Software Project Management, the contents irrelevant to the course were removed from module 1.

**M.Tech-NS**

- Dr. Angelina Geetha explained that, for the course CSB6233-Software Testing and Quality Assurance, the new syllabus was designed to give more emphasis on testing and test plans. Mr. Balaji Sethuraman suggested to add CMM levels, but Dr. Angelina Geetha said that this was covered in the prerequisite courses.
- Dr. T. V Geetha recommended that, for the course CSB6274 - Predictive Modeling, time series analysis is an essential concept to be covered for predictive modeling and it was already there in the syllabus hence the members were satisfied with the content of the syllabus. The board felt that current syllabus may be followed as such.

## **B.Tech-CSE**

- For the course CSBX04 - Mobile Adhoc Networks, change in the number of lecture hours was suggested but the Board of Studies members felt that the modules could be covered within the specified hours.
- In the course CSB3212 - Introduction to Compiler Construction, the topics like code generation and Run time environment was included in module 5. Dr. T. V. Geetha suggested that, Run time environment could be removed and recommended to add more details in code optimization techniques in module 6.
- For the course CSB1211-Analog and Digital Communication, H.O.D suggested that few contents may be removed as per the comments received from class committee meetings and the syllabus is highly advanced for the second year CSE students. A modified syllabus received from the department of Electronics and Communication was presented to the members of the Board of Studies and is was approved.
- In the syllabus of the course CSB3106 - Case Tools lab, general instructions/ guidelines were added Mr. Balaji Sethuraman suggested to include real time problems in the list of experiments.

**With all the modifications suggested by the members of the Board, the syllabi contents of the courses in B.Tech (Computer Science & Engineering), M.Tech (Computer Science and Engineering), M.Tech (Software Engineering) and M.Tech (Network Security) and M.Tech (Computer Predictive and Analytics) Programmes as per the agenda item were approved.**

### **Item 8.2 To approve elective courses in B.Tech (Computer Science & Engineering) programme.**

- For the course CSBX15-Internet of Things, Dr.T.V.Geetha suggested to combine module 1 and 6 and rename it as IoT fundamentals and application domains. Also recommended to swap module 4 and 5.
- ✓ **Mr. Balaji Sethuraman suggested to replace** the contents of module 4 with the communication techniques ( connecting to cloud ) and rename it as software design principles. The members also recommended to replace contiki, kaa, AllJoyn, BeagleBone with case studies in module 5.
- Dr. Ranjani Parthasarathi suggested to modify the content of the syllabus following the latest edition of Pacheco and Herbigy for the course CSBX47-Multicore Architecture.

**With all the modifications suggested by the members of the Board, the above mentioned elective courses in B.Tech (Computer Science & Engineering) programme were approved.**

**Item 8.3 To approve the modification in course objectives and course outcomes of B.Tech (Computer Science & Engineering), M.Tech (Computer Science and Engineering), M.Tech (Software Engineering) and M.Tech (Network Security) and M.Tech (Computer Predictive and Analytics) Programmes.** Based on the feedback from the staff members, Chairman – Board of Studies in CSE has revised the course objectives and course outcomes after conducting a meeting with the faculty who has handled the course.

**With all the modifications suggested by the members of the Board, course objectives and course outcomes of the courses in B.Tech (Computer Science & Engineering), M.Tech (Computer Science and Engineering), M.Tech (Software Engineering) and M.Tech (Network Security) and M.Tech (Computer Predictive and Analytics) Programmes were approved.**

**Item 8.4 To ratify the courses of B.Tech (Computer Science & Engineering) programme.**

With the growing technology and change in the trends of IT field addition of few more courses as electives is necessary. Also to stay in par with the industry needs, it is preferred to extend the elective list. Students also requested for new technology related subjects.

List of electives placed for approval were

- CSBX08-Cloud Computing
- CSBX22-introduction of Big data
- CSBX24-Information retrieval
- CSBX30-Web Mining.

**It was resolved to ratify the courses in B.Tech (Computer Science & Engineering) Programme.**

**Item 8.5 Any other matter with the permission of the chair.**

The external members suggested to include Design Thinking as elective course for B.Tech (Computer Science & Engineering) programme. The board felt that the curriculum framework for B.Tech (Computer Science & Engineering) programme is rigid and strongly recommended to exercise Choice Based Credit System. A total revision of curriculum in the next Board of Studies is recommended by the members of the Board.

**After detailed discussions, it was resolved to approve all the items and recommend the same to the Academic Council of the University.**

The Chairman concluded the Board of Studies Meeting at 5.00 p.m, with thanks to all the members.

  
(Dated & Signed by the Chairman)

THE ABOVE MINUTES OF THE BOARD OF STUDIES MEETING ARE APPROVED.

(Signed by the members, including the Chairman)

#### **External Members**

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