DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date: 07.06.2017

Minutes of the meeting of Board of Studies, Computer Science & Engineering department, held at 11.00 AM on Wednesday, 07 June 2017 at the Department, Vasavi College of Engineering, Ibrahimbagh, Hyderabad-31.

<u>Members Present</u>

Prof. Dr. T Adilakshmi,		Chairman & Head
Dr. Ch. Sobhan Babu Assistant Professor IIT Hyderabad		OU Nominee
Dr. K. Syamala Professor, Dept. of CSE, UCE Osmania University		Subject Expert
Dr. Siba K. Udgata Professor, HCU		Subject Expert
Dr. K. Radha Krishna, Principal Research Scientist, Infosys		Industry Expert
1	Dr. Nagaratna P. Hegde, Professor	Faculty Members
2	Ms. M. Sunitha Reddy, Asst. Professor	
3	Mr. R. Sateesh Kumar, Asst. Professor	
4	Mr. K. Jairam Naik, Asst. Professor	
5	Mr. S. Vinay Kumar, Asst. Professor	
6	Mr. M.S.V. Sashi Kumar, Asst. Professor	
7	Ms. V. Sireesha, Asst. Professor	
8	Ms. B. Syamala, Asst. Professor	
9	Mr. V. Punna Rao, Asst. Professor	
10	Mr. C. Gireesh, Asst. Professor	
11	Ms S Suba, Asst. Professor	
12	Ms. T. Jalaja, Asst. Professor	

Chairman welcomed the members and gave a brief overview of the department Vision Mission PEO's PO's and PSO's. She also highlighted a few achievements of the department in the previous academic year.

➢ **Outcome Based Education:**
- The members agreed upon the vision, mission, PEO, PO and PSO statements.
- The committees (CAC and PAC) to evaluate the attainment of the outcomes were reformed.
- The responsibilities of Class Assessment Committee (CAC) and Programme Assessment Committee (PAC) were discussed and approved.
- The periodicity of conducting the CAC meetings was decided to be twice a year.
- The periodicity of conducting the PAC meetings was decided to be once a year.
- The Course Outcomes, Programme Outcomes and Programme Specific Outcomes were verified and approved by the board.
- The Course Outcome-Programme Outcome and the Course Outcome - Programme Specific Outcome mappings were approved.
- The procedures for assessment (direct and indirect) of attainments were discussed and approved.
- The assessment tools for direct assessment of attainments were agreed to be Assignments, Quizzes, Internals and Externals.
- The assessment tools for indirect assessment of attainments were agreed to be course-end survey, exit survey, employer survey and alumni survey
- The threshold for calculating the assessment of attainments for Internals, Assignments and Quizzes were approved to be the following

Attainment Level 3:	65 % of students scoring more than 70% marks
Attainment Level 2.5:	60% of students scoring more than 70% marks
Attainment Level 2:	55% of students scoring more than 70% marks
Attainment Level 1.5:	50% of students scoring more than 70% marks
Attainment Level 1:	45% of students scoring more than 70% marks

- The threshold for calculating the assessment of attainments for Externals was approved to be class Average.
- The Target for CO Attainment was decided to be 2.0.

➢ **Schemes and Syllabi:**
- Schemes and Syllabus of CBCS and Autonomous batches were discussed.
- External Exam is for 3hrs.
- For Autonomous batch Theory Marks -100 (70 + 30) (External Marks + Internal marks). Lab Marks -75(50+25)
- For CBCS batch Theory Marks -100 (60+40) Lab Marks 80(50+30) marks.
- Internals- 20 marks, Assignments (3) - 10 marks and Quiz (3) - 10 marks.

- Student should get a minimum of 50% marks in internal and 40% of marks in external in each subject and 40% of aggregate marks for all subjects in internal and external put together.
- First Year
  I Sem
- The scheme of first year I sem includes English-I, Maths-I, Physics, Chemistry, Basic Electrical Engineering, Graphics-I, Computer Programming and Problem Solving Using C, English lab, Chemistry lab, C programming lab, Engineering workshop.
  II sem
- The scheme of first year II sem includes English-II, Maths-II, Physics, Chemistry, C++, Mechanics and Graphics II , English lab II, Physics lab , C++ lab and CS workshop.
- Second Year
  III Sem
- Mathematics-III, Data Structures, Discrete Structures, Logic and Switching Theory, Basic Electronics, Finishing school-1(communication skills), HVPE, Basics of Entrepreneurship, Open elective-I of 2 credits, DS Lab and BE lab.
- OE-I offered is Data Structures for other branch students. CSE students have to choose an open elective offered by other departments.
- Number of hours - 36 per week.
- Radhakrishna sir suggested increasing the number of hours for labs.
- Remove tutorial from DS and LST and increase the DS lab hours and increase the credits to Two
  IV sem
- Mathematics-1V, Object Oriented programming using Java, Operating Systems, Design and Analysis of Algorithms, Computer Architecture, Finishing School-II, Environmental Studies, Open Elective-II, Open Elective-III, Java Lab, Operating Systems lab
- Third Year
  V Sem
- Database Management System, Operating Systems, Software Engineering, Automata Languages and Computation, Managerial Economics and Accountancy, Finishing School-III (Communivcation skills) , Finishing School-III(Technical Skills), Human Values and Professional Ethics-II, DBMS Lab, OS Lab, SE Lab, MiniProject
- Udgata Sir suggested merging theory and labs.
- Others commented that in most of the other universities it is separate.
- Shobhan Babu Sir suggested Lab Assignments to be given to students to be done at home and to be evaluated during Lab hours.
  VI sem
- Web Programming &Services, Computer Networks, Compileer Construction, Principles of Programming Languages, Elec-I, FS-IV, FS-IV, WPS Lab, CN lab, CC Lab, MiniProject
- Shobhan Babu suggested reducing the theory hours of WPS and increasing the Lab Hours.

- Elective 1
- ISM course to focus on infrastructure rather than only on storage.
- Fourth Year
  VII sem
- Distributed Systems, Artificial Intelligence, Embedded Systems, Information Security, Mobile Computing, Elective-II(Image Processing), Distributed Systems Lab, Project Seminar
- Elective III
- Elective IV
- Contact Hours for projects to be added.
- Data Mining to be made core and to be offered in VI sem or VII Shobhan Babu suggested
- Proposed Third Year CBCS scheme was discussed
- Suggestions were given to shift Data Communications to Third Year and Economics for Engineers to be added in V sem
- Cyber Laws and Ethical Hacking were suggested as options for Open Electives Proposed Streams of Electives were presented. Software Engineering, Networks and Distributed Systems, Artificial Intelligence, Security, Data Engineering and Theoretical Computer science.

➤ Syllabi
- It was suggested that the title Computer Programming and Problem Solving Using C can be changed to Programming in C
- It was suggested to rearrange the units of Object Oriented Programming using C++
- CS Workshop
  Suggestions were given to include some CMS system like Joomla or Wordpress instead of HTML.
- Data Structures
  Syamala madam and Udgata Sir suggested including Red Black Trees and Splay Trees
- Open Elective Data Structures
  Suggestions were given to include introduction on graphs and graph representation
- Discrete Structures
  Suggestions were given to remove Spanning and Minimum cost Trees and Include introduction to Number theory in place of Unit IV
- Logic and Switching Theory
  Sequential circuits are to be given more importance. Suggestions were given to rearrange unit V and unit IV..
- Java
  It was suggested to change title for elective

- Operating Systems
  It was suggested to include Android Architecture case study and the resources for that.

- **Open Elective (2)**

  It was suggested to remove OS, virtualization and add ... and include concepts in the system management with a case study of ...

- **O5 Lab**

  Suggestions were given to include Shell Programming

- **O2 Lab**

  Suggestions were given to include protocols for communication

- **Mobile Computing**

  It was suggested to change title to Mobile Communications

VII. Tech Syllabus

The scheme and syllabus of M. Tech I year were considered and approved by the Board members.