DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

MANAV RACHNA UNIVERSITY

Minutes of 3rd BoS-CST Meeting

3rd BoS - Computer Science & Technology meeting was held from 09:00am – 12:30pm on April 13, 2018 in I Block Learning Lounge to discuss the following:

1. Program structure and syllabi of B.Tech. CSE, B.Tech. CSE specialization in Data Science & Machine Learning, B.Tech. CSE specialization in Digital Transformation Engineering and M.Tech in Computer Engineering.
2. Courses being offered to B.Tech. Electronics & Computers
3. T3 Paper Setters & External Practical Examiners for B.Tech. CSE and M.Tech CSE
4. Revised syllabi of 11 B.Tech. CSE courses (2015,16 & 17 Batches)

MEMBERS PRESENT:

1. Prof. Anjana Gosain, Professor, GGSIP University
2. Mr Ram Narasimhan, National Head & Director, Big Data, Xebia
3. Mr Amitava Chakraborty, Sr. Architect IBM Infrastructure Services
4. Ms Neetu Chauhan, Manager University Alliances, Xebia
5. Ms. Hanu Bhardwaj, HoD CST   Chairperson
6. Dr. Jyoti Pruthi, Associate HoD CST   Member
7. Dr. Parneeta Dhaliwal, Associate Professor   Member
8. Dr. Hardeo Kr Thakur, Associate Professor   Member
9. Dr. Prinima Gupta, Associate Professor   Special Invitee
10. Ms. Manpreet Kaur, Associate Professor   Special Invitee
11. Dr. Mrinal Pandey, Assistant Professor   Special Invitee
12. Ms. Gaganjot Kaur, Assistant Professor   Special Invitee
13. Ms. Mamta Arora, Assistant Professor   Special Invitee
14. Mr. Ankur Kr Aggarwal, Assistant Professor   Special Invitee

Issues discussed and decisions arrived at are given in succeeding paragraphs:

A. **Regarding Program Structure & Syllabii**

1. Revised syllabii of 11 B.Tech. CSE courses (2015,16 & 17 Batches) was approved by the experts.

2. The concern was raised about low credit for Open Elective courses as compare to AICTE norms - 18, the experts were convinced that we have to accommodate lab components under core subjects.

3. It was clarified that Calculus, Linear Algebra, Probability and Statistics is kept in 3rd sem under DS & ML specialization. Portions covered in 1st sem Foundation DS&ML course will not be included in the 3rd sem course.

4. Suggestion was given by experts to include Japanese under foreign language.

5. Regarding Research paper writing under 5th and 6th Sem of B.Tech CSE course, in MRU IPR cell is there to guide students to file patent process and Accendere group who are supporting students to work on research paper, and Incubator center to help in project work and Startup. Mr. Amitava discussed about the patent process and asked to encourage the students to file patent. He has also advised to get in touch with IBM for guidance & support for patents.

6. Suggestion was given to introduce "Introduction to Finance/ Basic of Economics" in 5th sem instead of 8th sem for specialization courses. But, Mr Ram, Xebia justified the placement of course to promote students for Start-up in early years and it was finally agreed to continue with the same placement.

7. Open elective courses offered from other department to CSE were agreed upon.

8. Discussion were done on Professional Elective Courses offered to B.Tech CSE where in we have offered professional courses in 5 specialization tracks from 5th sem to 8th sem.

9. Discussion about the AICTE details related to 3 week induction programme was also shared with panel and the experts appreciated the initiative.

10. In 8th semester, two courses can be completed within a month or two in a fast track mode so that students can go for full time internship programme in industry.

11. Mr Amitava and Prof Anjana advised to mellow down the coverage for Data Science & Machine Learning specialization courses.

12. Suggestion of adding Object Oriented Software Engineering course in PEC (Professional Elective Courses) was made. It was also suggested to add Software Engineering track in PEC Specializations for B.Tech. CSE.

13. Suggestion was given to incorporate basic OOPS concepts in Introduction of Python in 2nd sem of B.Tech CSE specialization under DS & ML.

14. Mr. Amitava suggested to introduce Disaster Recovery & Management course in the curriculum for B.Tech. programs.

15. OOPs using JAVA, MAP Reduce, Python, Repository, Integration, Mobile Apps and statistics are the basic concepts to be taken care of in Data Science courses.

16. Addition of topics around Storage & LPAR can be done in Computer Architecture & Organization Course.

17. Nomenclature for M.Tech. courses should be different and advanced as compared to B.Tech. courses.

B. List of paper setters and external practical examiners has been approved by the panel.

C. It has been agreed that Codes for the courses offered by other department will be finalized later on. The placement of Soft courses can be changed later on to balance the teaching load. Offering departments can also be changed in future as per the expertise available.
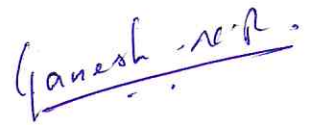
D. Below 10 courses will be offered to B.Tech Electronics and Computer Engineering
1. USER INTERFACE-I (HTML5, CSS, JAVASCRIPT, JQUERY)
2. PROGRAMMING FOR PROBLEM SOLVING USING C
3. DATA STRUCTURE & ALGORITHMS
4. PROGRAMMING FOR PROBLEM SOLVING USING PYTHON
5. OPERATING SYSTEMS
6. OBJECT ORIENTED PROGRAMMING USING JAVA
7. MOBILE COMPUTING WITH ANDROID
8. ADVANCED ANDROID DEVELOPMENT
9. ARTIFICIAL INTELLIGENCE
10. DATA SCIENCE AND ANALYTICS

Prof. Anjana Gosain, GGSIP University

Mr Ram Narasimhan, National Head & Director, Big Data, Xebia

Mr Amitava Chakraborty, Sr. Architect IBM Infrastructure Services

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