MINUTES OF EXTERNAL BOARD OF STUDIES MEETING
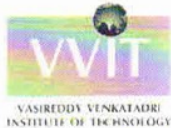
Date: 04-06-2021.

The first External Board of Studies Meeting of the Department of Computer Science and Technology for the program Computer Science and Engineering with specialization Internet of Things was held online on 03-06-2021 at 03:30PM via MS Teams platform to finalize curriculum for all semesters of R-20 (Autonomous) regulation as well as finalizing the syllabus for III and IV Semesters.

MEMBERS PRESENT

The First External BoS online meeting of the Department of Computer Science and Technology was held on 03-06-2021 at 03:30 PM with the following members.

S. No	Name	Role and Position	Signature
1	Dr. Ch.V.Suresh	Chairman	
2	Dr. K. Giri Babu	Department Subject Expert - Senior member	
3	Mr. S. Krishna Prasad	Department Subject Expert - Member	
4	Dr. K. Chandra Bhushana Rao	University Nominee - Member	
5	Dr. S. Kiran	Outside Subject Expert - Member	
6	Dr.Y. Rama Devi	Outside Subject Expert - Member	
7	Mr. S. Tejaswa Kumar	Industry Expert - Member	
8	Ms. Naidu Sindhura	Meritorious PG Alumni - Member	

Chairman BoS
(Dr.Ch.V.Suresh)

The following resolutions and discussions have been taken in the meeting

Welcome address and opening remarks by Chairman, Board of Studies in the Department of Computer Science and Technology

In the beginning, Dr. Ch. V. Suresh, Professor & Head, expressed his deep sense of happiness and gratitude for presence of all members in the Board of Studies (BoS) meeting. Head of the department has given introduction of all members to the board and expressed his immense pleasure and gratefulness. He welcomes all external members who have attended the BoS meeting despite of various busy schedules. Prof. Suresh also individually welcomes all other members from various departments of VVIT, who has attended the meeting and hence to make the event academically successful and productive.

Thus, with the permission of Chair, the following presentation and discussions were made:

1. Brief introduction about VVIT, Department of Computer Science and Technology, Vision, Mission, PEOs, POs and PSOs of this program, Team of IoT, Evaluation of IoT, Theme of subjects considered to frame course structure for four years Bachelor of Technology in Computer Science and Engineering with specialization Internet of Things.

2. Briefing about guidelines given by All India Council for Technical Education (AICTE) and Andhra Pradesh State Council for Higher Education (APSCHE) related to the constitution, quorum and function of BoS. Thus, it is appraised that the present BoS fulfils the quorum requirement to conduct the meeting.

Points brought forward by Chairman, Board of Studies

1. **To discuss about General points**

   The following points are discussed and resolved to approve.

   1. It is ensured that, the courses considered in this program are related to software, hardware and communication areas.

   2. Conducting induction program at the time of entering students into the college.

   3. The application aspects and related issues of IoT are also considered while designing course contents.

4. Members suggests to include one MOOC course in 3rd year second semester for 3 credits.

5. Dr. Y. Rama Devi inquired about Honors/Minor courses requirement. For that, Dr. K. Chandra Bhushana Rao explained as, a student shall be eligible for the award of B.Tech degree with Honors or Minor if he/she earns 20 credits in addition to the 160 credits. A student shall be permitted to register either for Honors or for Minor and not for both simultaneously.

6. Dr.S.Kiran opined that internships after second and third year should not affect the regular academic activities.

7. Dr. K. Chandra Bhushana Rao recommended inclusion of standard practices of considering real time problems and applications to be solved using IoT for the sustainable development of society.

8. Dr. Y. Rama Devi once again emphasized on improving skills in professional domains and branch specific areas to promote industry ready competency among learners.

9. The contents of physics, chemistry, and basic electrical and electronics engineering subjects are to be selected to support core subjects for this program

2. **To discuss about Academic/curriculum related points**

   1. BoS resolved to limit the number of reference text books to six for all subjects.

   2. It is also resolved that all reference text books should be available in the college library.

   3. It is also resolved to include the latest edition books in the syllabi.

   4. As per the directions, data communications and computer networks subjects are combined and a new subject named as "Data communications and Networking for IoT" is introduced in II- Year I- Semester.

   5. As per the directions, it is ensured that the syllabus in this subject covers the contents of computer networks in competitive examinations like GATE.

   6. As per the suggestions, the laboratory experiments related to computer organization and Internet of Things are combined and a new laboratory named as "Computer Organization and IoT Lab" is introduced in II- Year II- Semester.

   7. As per the directions, Formal Languages and Automata Theory and Compiler Design subjects are combined and a new subject named as "Automata Theory and Compiler Design" is introduced in III- Year I- Semester.

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8. As per the directions, it is ensured that the syllabus in this subject covers the contents of theory of computation and compiler design in competitive examinations like GATE.

3. **Agenda-01:**

   To confirm and approve the course structure of B.Tech in CSE (IoT) – discussion regarding courses in the structure of

   a) **First year – Theory and Laboratory**
   b) **Second year – Theory and Laboratory**
   c) **Third year – Theory and Laboratory**
   d) **Fourth year – Theory and Laboratory**

   Dr.Ch.V.Suresh, Professor & HoD, presented four year course structure currently proposed by VVIT. This structure will be followed by the students admitted from the academic year 2020-2021 who are currently pursuing the course.

   Following minor revisions were suggested and discussed:

   i. From Semester-V (in the present choice based credit system) should consist of nine elective courses, out of which four open elective courses can be taken from the courses floated outside the department and remaining electives are professional elective courses.

   ii. Members suggest that grouping professional elective courses must elevate the knowledge of IoT specialization and related subjects.

   Resolution-1: The members pointed some minor modification in the course structure and course content including incorporation of laboratories. The choice based credit course structure (credit breakup) was also well accepted by the board members. Board members strongly recommend setting up the lab facilities at the earliest for the benefit of the students and on priority basis.

   Resolved to approve the course structure of B.Tech in Computer Science and Engineering with specialization Internet of Things of R20 Regulations.
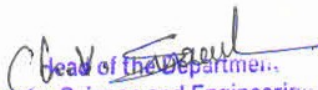
   Enclosed: Annexure-1

4. **Agenda-02:**

   To confirm and approve the course contents of First year B.Tech of R20 (Autonomous) Regulations.

   Resolution-2

   After consultation with S&H, ECE, CSE and EEE departments and as per the suggestions

of BoS members, course contents of first year B.Tech of R20 regulations are resolved and approved.

Enclosed: Annexure-2

5. **Agenda-03:**

To confirm and approve the course contents of second year B.Tech of R20 (Autonomous) Regulations.

Resolution-3

After consultation with S&H, CSE and ECE departments and as per the suggestions of BoS members, course contents of second year B.Tech of R20 regulations are resolved and approved.

Enclosed: Annexure-3

6. **To discuss the modalities of UG evaluation.**

After due deliberations the internal evaluation pattern is finalized.
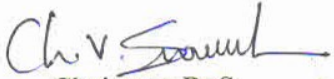
Suggestions given by BoS Members

The members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were incorporated appropriately in the Curriculum and Syllabi.

Any other items

It is resolved to arrange for the preparation of syllabi, micro syllabus of various courses in B.Tech program as per the finalized structure.

Vote of Thanks

With the above discussion, the Head of the Department expressed his deep sense of gratitude to all members for an academic vibrant discussion on various matters of the centre. Since there are no other agenda, the meeting ended with the Vote of Thanks by Dr.Ch.V.Suresh.

Chairman BoS

(Dr.Ch.V.Suresh)
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