



VASIREDDY VENKATADRI  
INSTITUTE OF TECHNOLOGY

(AUTONOMOUS)

Approved by AICTE and Permanently Affiliated to JNTU Kakinada, Accredited by NAAC with 'A' Grade & NBA Accreditation

### MINUTES OF EXTERNAL BOARD OF STUDIES MEETING

Date: 01-06-2023

The third 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 01-06-2023 at 02:30PM via MS Teams platform to finalize curriculum for all semesters of R-20 (Autonomous) regulation as well as finalizing the syllabus for VII and VIII Semesters.

#### MEMBERS PRESENT

The Third External BoS online meeting of the Department of Computer Science and Technology was held on 01-06-2023 at 02:30 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	Dr. S. Krishna Prasad	Department Subject Expert - Member	
4	Mrs. M. Rajya Lakshmi	Department Subject Expert - Member	
5	Mr. S. Saida Rao	Department Subject Expert - Member	
5	Dr. K. Chandra Bhushana Rao	University Nominee - Member	
6	Dr. S. Kiran	Outside Subject Expert - Member	
7	Dr.Y. Rama Devi	Outside Subject Expert - Member	
8	Mr. S. Tejaswa Kumar	Industry Expert - Member	
9	Ms. Naidu Sindhura	Meritorious PG Alumni - Member	

Chairman BoS  
Head of the Department  
Computer Science and Engineering (IoT)  
Computer Science & Technology (CSO)  
Vasireddy Venkatadri Institute of Technology  
Nambur, Guntur (Dt)-522 508.

(Dr.Ch.V.Suresh)



## VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY

(Autonomous)

Nambur (V), Pedakakani (M), Guntur (Dt.), Andhra Pradesh – 522 508

### COMPUTER SCIENCE AND ENGINEERING (Internet of Things) – CSO DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

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. He then presented the syllabus of all subjects of VII and VIII semesters prepared by internal BoS members.

#### **Points brought forward by Chairman, Board of Studies**

##### **1. To discuss about General points**

The following points are discussed and resolved to approve.

1. The guidelines for performing academic projects based on advanced/emerging technologies such as cloud computing, deep learning, machine learning, blockchain technologies, etc.
2. Dr. K. Chandra Bhushana Raogaru enquired about subjects in which most of the students have failed.
3. He has given suggestions to improve the delivery mechanisms to improve the percentage in difficult subjects.
4. Members suggested to organize workshops, conferences and guest lecture related to advanced concepts/areas.
5. Dr.K. Chandra Bhushana Rao garu suggested to maintain maximum of five text books for each subject and emphasized to maintain contents from those text books only.
6. Dr. S. Kiran garu suggested to choose most appropriate subjects such as Industrial and Medical IoT, Applications of IoT in Robotics, etc in order to highlight the importance of IoT in the present era.

  
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7. Dr. Y. Rama Devi garu enquired about additional practices imposed on the students to get expertise in the specialization. Dr. S. Krishna Prasad has given explanation like every project batch comprises of 3 students has to complete one IoT project in each semester. Students were given with training based on the use of RaspberryPi, Arduino Uno, LPC boards, etc. Using this knowledge, students are doing projects very comfortably.
  8. Members suggests to list the courses for MOOC course offered by NPTEL for considering it for 3rd year and final year students as a part of VI and VII semesters.
  9. Members of BoS have been apprised of the student development activities conducted during the 2022-2023 in the department.
  10. Members of BoS have been apprised of the student support systems (counselling, extra-curricular activities, games, sports, grievances, etc.) functioning at the college and department level.
  11. Members suggested to group the project batches based on the advanced technologies to get good impact with regards to their academic publications.
- 2. To discuss about Academic/curriculum related points**
1. It is suggested by the members that, there should be more practical exercises rather than theory. Need to conduct/demonstrate the projects/prototypes to get real time exposure to the concepts learned during their academics.
  2. The subject "Deep Learning" has prerequisite of "Machine Learning" which was completed in third year first semester.
  3. The options for humanities and social science elective are listed as per the guidelines of JNTUK.
  4. The courses, "Programming and Interfacing with Microcontrollers", "Applications of IoT in Robotics", and "Cognitive IoT" are introduced in place of "Ad-Hoc and Sensor Networks", "Advanced tools for IoT", and "IoT Malware Analysis".
  5. As per the suggestion by the members, the title, and contents of the subject "Data Science" are modified as "Data Science, Preparation and Analysis".
  6. The course "Cyber security and Forensics" has divided into two courses namely "Cyber Security" and "Cyber Forensics" with the help of Cyber Security department.
  7. The course "Fog and Edge" has divided into two courses namely "Fog Computing" and "Edge Computing" with the help of CSE department.
  8. The skill advanced course "Mongo DB" is replaced with "PowerBI/Competitive Coding" in order to impose skills on data science technology and/or placements.

3. **Agenda-01:**

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

**Resolution-1:**

After consultation with IT, ECE, Mechanical, Civil engineering and CSE departments and as per the suggestions of BoS members, course structure and contents of final year B.Tech of R20 regulations are resolved and approved. **Enclosed: Annexure-1**

4. **Agenda-02:**

**To confirm and approve the guidelines followed for evaluating MOOC.**

**Resolution-2:**

After due consultation and the suggestions of BoS members, the proposed guidelines are finalized for evaluating MOOC in VII semester.

5. **Agenda-03:**

**To confirm and approve the initiation of preparing R23 regulations, course structure and course contents to be followed from the academic year 2023-2024.**

**Resolution-3:**

Resolved to approve for the preparation of course structure, course contents for the first and second semesters of first year and R23 regulations by considering the issues faced in R20 regulations. It is mandated to follow new/updated guidelines given by AICTE, APSCHE and JNTUK from time to time.

**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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