VASIREDDY VENKATADRI
INSTITUTE OF TECHNOLOGY

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MINUTES OF EXTERNAL BOARD OF STUDIES MEETING

Date: 08-07-2024

The fourthExternal 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 08-07-2024 at 02:00PM via MS Teams platform to finalize curriculum for all semesters of R-23 (Autonomous) regulation as well as finalizing the syllabus for III and IV Semesters.

MEMBERS PRESENT

The Fourth External BoS online meeting of the Department of Computer Science and Technology was held on 08-07-2024 at 02:00 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. T. Sivarama Krishna	University subject Expert - Member (Outside Expert)	
6	Dr. S. Kiran	Outside Subject Expert - Member	
7	Dr. A. M. Prasad	University Subject Expert - Member (University Nominee)	A.M. prasad
8	Mr. Koti Reddy Eda	Industry Expert - Member	
9	Mr. Chavali Gopi Raju	Meritorious PG Alumni - Member	

Ch.V. Suresh

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.

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

At the beginning of the Board of Studies (BoS) meeting, Dr. Ch. V. Suresh, Professor & Head, conveyed his deep sense of happiness and gratitude for the presence of all attendees. He introduced each member to the board and expressed his immense pleasure and appreciation. Dr. Suresh extended a special welcome to the external members who attended despite their busy schedules and individually welcomed the members from various departments of VVIT. He acknowledged their contributions to making the event academically successful and productive. Dr. Suresh then presented the syllabus for all subjects of the III and IV semesters under the R23 regulations, which were prepared by the 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.
   - Review of Curriculum and Syllabus:To the members, the current progress of the curriculum importance and syllabus coverage to meet industry and academic standards. Members suggested identifying outdated and redundant content that needs updating or removal. Also suggested taking feedback from industry partners regarding the curriculum. Resolved to follow the directions given by the members.
   - Learning Resources: The discussion on assessing the adequacy and quality of textbooks, reference materials, and online resources, identifying any deficiencies, evaluating the effectiveness of library facilities and digital access, and exploring opportunities with Open Educational Resources (OERs). Resolutions included allocating funds for acquiring and improving resources, forming a team to periodically review resources, and implementing a feedback system to improve resource effectiveness based on input from students and faculty.
   - Student Performance and Feedback: The discussion focused on reviewing student performance data, analyzing feedback on course content and teaching methods,

Ch. V. Suresh

Head of the Department
Computer Science and Engineering (IoT)
Computer Science & Technology (CSO)
Vasireddy Venkatadri Institute of Technology

identifying areas where students are struggling for potential interventions, and improving mechanisms for collecting and analyzing student feedback. Resolutions included developing and implementing an action plan to address identified performance issues, introducing new support systems such as tutoring and mentoring, and establishing regular feedback sessions with students to ensure continuous improvement in the teaching-learning process.

- Industry Collaboration and Internships: Discussion focused on evaluating current industry collaborations and internship programs, identifying new potential partners, enhancing internship quality, and exploring collaborative opportunities like joint projects and guest lectures. Resolutions included formalizing new industry partnerships, creating a structured internship program with clear objectives, and assigning dedicated oversight to manage and monitor these initiatives effectively.
- Research and Innovation: Discussion focused on assessing current research activity, identifying new research areas and interdisciplinary projects, exploring funding opportunities and grant applications, and integrating research findings into the curriculum. Resolutions included establishing a research committee to promote opportunities, allocating resources for research initiatives, and supporting faculty and student involvement in research through incentives and encouragement.
- Future Planning: Discussion centered on defining the long-term vision and goals for the department or program, identifying strategic initiatives for future growth, analyzing potential challenges and risks, and exploring opportunities for expanding program offerings. Resolutions included developing a comprehensive strategic plan with defined objectives, timelines, and responsibilities, allocating resources and budget to support plan implementation, and establishing regular reviews to ensure alignment with evolving academic and industry trends.

2. To discuss about Academic/curriculum related points

- Course Content and Syllabus:
  - ✓ Discussion Points: Evaluate current content for industry relevance and academic standards, identify outdated topics, discuss inclusion of emerging trends, and gather feedback from faculty and students.
  - ✓ Resolution Points: Approve necessary revisions to course content and syllabus of Advanced Data Structure and Algorithm Analysis (Theory and Laboratory), and also content for other subjects to check the relevancy and suitability as per the requirement by forming a committee for oversight and implementation of

Ch.V. Gowri

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

changes, establish a periodic review schedule.

- Interdisciplinary and Open Elective Courses:
  - ✓ Discussion Points: Review existing interdisciplinary and open elective offerings, assess demand for new courses, identify faculty for course development.
  - ✓ Resolution Points: Approve introduction of new courses, assign a team for curriculum development, implement a systematic review process for elective courses.
- Teaching Methodologies:
  - ✓ Discussion Points: Assess effectiveness of current teaching methods, explore adoption of innovative approaches (e.g., flipped classrooms, experiential learning), gather feedback on preferred learning styles.
  - ✓ Resolution Points: Approve adoption of new methodologies, provide faculty training and support, establish a committee for ongoing evaluation and improvement of teaching practices.
- Approval of IoT Course Contents in Other Departments:
  - ✓ Discussion Points: Review proposed IoT course content across departments, ensure alignment with industry standards and curriculum coherence, gather input from stakeholders.
  - ✓ Resolution Points: Approve course content with necessary adjustments, coordinate implementation across departments, establish a process for periodic review and updates.
- Execution of Laboratory Sessions:
  - ✓ Discussion Points: Evaluate current lab sessions for effectiveness, assess adequacy of equipment and facilities, gather feedback from students and faculty.
  - ✓ Resolution Points: Approve upgrades to equipment and facilities, enhance structure and content of lab sessions, implement a maintenance and improvement plan.
- Suggesting Technologies and Certification Courses:
  - ✓ Discussion Points: Identify emerging technologies for integration into curriculum, discuss potential certification courses to enhance student skills, gather industry input on relevant certifications.
  - ✓ Resolution Points: Integrate new technologies into curriculum, establish partnerships with certification bodies, allocate resources for development and implementation of certification programs.

Ch. V. Sowmya

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

- Suggesting NPTEL and MOOC Courses:
  - ✓ Discussion Points: Review available NPTEL and MOOC courses, discuss benefits and challenges of integration, select courses aligned with curriculum needs, gather feedback from stakeholders.
  - ✓ Resolution Points: Integrate selected NPTEL and MOOC courses into curriculum, establish guidelines for usage, provide support systems for students to effectively utilize online learning resources.

3. **Agenda-01:**

   To confirm and approve the course structure and contents of second year B.Tech of R23 (Autonomous) Regulations.

   Resolution-1:

   After consultation with S&H, CSE andECE departments and as per the suggestions of BoS members, course structure and contents of second year B.Tech of R23 regulations are resolved and approved.**Enclosed: Annexure-1**

4. **Agenda-02:**

   To confirm and approve the guidelines followed for listingMOOC courses from II-II semester.

   Resolution-2:

   After due consultation and the suggestions of BoS members, the proposed guidelines such as courses based on advanced technologies and industry needed courses can be suggested by following the updated/finalized list given by the NPTEL can be considered for evaluating MOOCas per the regulations.

5. **Agenda-03:**

   To implementoutcome based education with more importance and guidelines.

   Resolution-3:

   Implement a structured framework to define and map program and course-level learning outcomes, establish comprehensive guidelines for curriculum alignment with OBE principles, provide ongoing faculty training to enhance understanding and implementation, and allocate necessary resources to support effective assessment and continuous improvement of OBE practices.

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.

Ch. V. Sowmi

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

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.

Ch.V.Suresh

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

Principal
Vasireddy Venkatadri Institute of Technology
Nambur (V), Padakakani (M),
Guntur Dt.-522 508.