# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

An Autonomous Institute I Affiliated to Osmania University
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbit.ac.in

COMMITTED TO RESEARCH, INNOVATION AND EDUCATION

45 years

# Department of Computer Engineering and Technology

## MINUTES OF BOS MEETING

Department of CET has conducted BoS meeting (online mode) on 08-May-2024 at 7:00 PM.

**Agenda:**

1. Introduction of BoS members.
2. Review of PAQIC and DAB meeting
3. Confirmation Approval of BoS Minutes from Previous Meeting held on 12.05.2023
4. R22 Scheme for V, VI, VII and VIII semesters.
5. R22(A) Scheme for I - VIII semesters.
6. Approval of R22 syllabus of V – VIII Semesters.
7. Approval of R22(A) syllabus of I – VIII Semesters.
8. To approve Open Electives offered to other departments
9. Any other items.

The following members were present:

| S.No. | Name | Organization | Designation |
|-------|------|--------------|-------------|
| 1. | Prof. M. Subramaniam | Head, CET Dept., CBIT | Chairperson |
| 2. | Mr.Sakthi Prasanna K | Regional Service Delivery Manager, Inspira enterprise, Chennai. | Expert from Industry |
| 3. | Dr. Suresh Kumar Lokhande | Chairperson BoS- CSE, University College of Engineering, Osmania University, Hyderabad | Expert from University |
| 4. | Mr. Ravi Gottipatti | Data Solution Architect and Principal Data Scientist, SARAS Analytics | Alumni |
| 5. | Prof. N. Ramadevi | Professor, CET Dept., CBIT | Member |
| 6. | Dr. S. Kranthi Kumar | Associate Professor, Dept. of CET, CBIT | Member |

| 7. | Ms. Kavita Agrawal | Assistant Professor, CET Dept., CBIT | Member |
|---|---|---|---|
| 8. | Ms. G. Mamatha | Assistant Professor, CET Dept., CBIT | Member |
| 9. | Dr. G. Jaya Rao | Assistant Professor, CET Dept., CBIT | Member |
| 10. | Mr. P. Narasimhulu | Assistant Professor, CET Dept., CBIT | Member |
| 11. | Mrs.N.Sujata Gupta | Assistant Professor, CET Dept., CBIT | Member |

**Leave of Absence:**

1. Ms. P. Vimala Manohara Ruth, Assist. Prof., Dept. of Computer Engg & Tech., CBIT
2. Dr. Kannan Srinathan, Assistant Professor, IIIT, Hyderabad-32
3. Mr. Akash Sinha, Head, Learning and Development, L4G, Hyderabad
4. Dr. Sriram Birudavolu, CEO, DSCI
5. Mr.Manojkumar Rajendran, Data Engineering Architect, Oportun, Chennai
6. Mr. Ajinkya Lohakare, CTO and Founder, Ditto Security, Mumbai, Maharashtra

**Minutes**

**Item 1:**     The Chairperson welcomed BoS members.

**Item 2:**     **Review of PAQIC and DAB Meeting**

**Action Taken:**

The minutes of the PAQIC and DAB meetings were presented and approved.

**Item 3:**     **Approval of BoS Minutes from Previous Meeting**

**Action Taken:**

The minutes of the second BoS of CET meeting held on 12-05-2023, concerning the UG programs B.E. CSE (IoT with CS Including BCT), were discussed and confirmed.

**Item 4:**     **R22 Scheme for V to VIII semesters**

**Action Taken:**

Chairman of BoS, presented the scheme of R22 from V semester to VIII Semester, including Professional electives 1 to Professional Electives 5 and five tracks of divisions and the respective courses on each track. The Members of the BoS Approved the same.

**Item 5:**      **R22(A) Scheme for I to VIII semesters**

**Action Taken:**

Chairman of BoS, presented the scheme of R22(A) from I semester to VIII Semester, including Professional electives 1 to Professional Electives 5 and five tracks of divisions and the respective courses on each track. Prof.Suresh Kumar Lokhande, suggested that Operating system course must be done before Computer network course. Hence the existing Computer Network course which was in III Semester has been swapped with Operating system course which kept in IV Semester. The Members of the BoS Approved the same.

**Item 6:**      **Approval of R22 syllabus of V – VIII Semesters.**

**Item 7:**      **Approval of R22(A) syllabus of I – VIII Semesters.**

**Item 8:**      **To approve Open Electives offered to other departments**

**Action Taken:**

Chairman of BoS, permitted individual faculty members (Course Coordinators) of CET, who were responsible for preparing syllabus along with the Course Expert Group (CEG) for their respective course, to present their syllabus. And the comments given by the BoS members were recorded as minutes are as follows.

| Name of the Course coordinator | Name of the Course | Comments by BoS Members |
|---|---|---|
| Prof.M.Subramaniam | 1. Extended Reality<br>2.3D Modelling and Animation<br>3. Fundamentals of AR-VR | 1. Industrial person, appreciated about the introduction of this course, which is now an upcoming industry relevant course.<br>2. University nominee, surprised and asked that, how for these courses will be relevant to this program. |

| | | 3. Course coordinator justified that, since there may be some interested group, who can opt for this track, so has been introduced. |
|---|---|---|
| Prof.N.Ramadevi | 1. Blockchain Technology (Theory) 2.Blockchain Technology (Lab) 3.Design and Development of Blockchain Applications (Theory) 4.Design and Development of Blockchain Applications (Lab) 5.Robotic Process Automation (Theory) | The following suggestions were given by Dr. Suresh Kumar Lokhande, for the following subjects:<br><br>**1. Blockchain Technology: Theory**<br>a. Include EVM in theory.<br>b. Suggested to take maximum syllabus from one Textbook.<br>c. Add the suggested textbook on cryptocurrencies.<br><br>**2. Blockchain Technology Lab**<br>a. Reorder the experiments<br>b. Number of experiments to be 10<br>c. Last Three Experiments to be applications of blockchain as given below:<br>Blockchain Applications<br>8. Write a Solidity program to track provenance and movement of goods through the supply chain, ensuring transparency and authenticity (Supply-Chain)<br>9. Write a Solidity program that automatically pays out claims based on predefined conditions eliminating the need for intermediate (Insurance)<br>10. Write a Solidity program to conduct secure and transparent voting processes without relying on central authority (Voting Systems)<br><br>3. **Design and Development of Blockchain Applications: Theory**<br>a. Label the units appropriately<br><br>4. **Design and Development of Blockchain Applications Lab**<br>a. Reduce the number of experiments to 10.<br><br>**5. Robotic Process Automation:**<br>a. Add titles to the units in the syllabus |
| Dr.S.Kranthi Kumar | 1.Digital Forensics, 2.Ethical Hacking, 3.Cyber Security, 4.Mobile Security, 5.Writing Secure Code, | •Dr. Suresh Kumar Lokhande reviewed all the above courses and suggested several changes and recommended adding the latest textbooks to course materials.<br>•Proposed making "Fundamentals of Cyber Security and Tools" an open elective to provide |

| | 6.Emerging Threats and Defenses,<br>7.Cyber Threat Intelligence,<br>8.OOPs Through Java,<br>9.DS using C++. | broader exposure to students across different programs.<br>•Recommended introducing a few latest topics and modules on ethical hacking, digital forensics, cyber security, mobile security, and threats and defences. |
|---|---|---|
| Ms.Kavita Agrawal | 1.Cryptography and Network Security(T+L)<br>2.Basics of Cyber Security<br>3.Social Engineering<br>4.Operating System(T+L)<br>5.FOST | 1.For Cryptography and Network Security theory, they suggested<br>•To swap some topics of fourth unit with fifth unit topics.<br>•Include Privacy Enhanced Mail as one topic in fifth unit.<br>2.For Cryptography and Network Security Lab, they suggested to use the built-in function while implementing the concepts.<br>3.For Basics of Cyber Security, they suggested to remove some topics from third unit - Secure communication protocols: SSL/TLS, IPsec<br>4.No changes for Operating System(T+L) and FOST as it was already discussed in CSE BOS.<br>5.No change for Social Engineering Syllabus. |
| Ms.G.Mamatha | 1.IIOT Systems (T+L)<br>2.Fundamentals of IoT | 1.No changes for IIOT Systems (T+L)<br>2.No changes for Fundamentals of IoT. |
| Dr.G.Jayarao | Distributed Computing (T+L) | BoS committee suggested changing the course title from "Distributed Computing" to "Distributed Systems" for theory and laboratory course |
| Mrs.N.Sujata Gupta | Sensor Technology and its Applications | The following modifications were suggested by Dr. Suresh Lokhande<br>1. Include the fundamentals of IOT in the Syllabus. Hod sir attempted to clarify that the inclusion of the IIOT topic on the list was due to its availability from the previous semester.<br>2. Add the most recent yearbook to the syllabus. |

**Item 9:       Any other items**

**Action Taken:**

      **Quality Improvements:**

- Committee recommendations for program objectives and industry gaps.
- Suggestions to improve academic and standard practices for curriculum quality and employability.

      **Industry Collaboration and Internship Opportunities:**

- Review of potential industry collaborations.
- Suggestions to increase internship and placement opportunities for students.

**Additional Points:**

**Term of Nominated Members:** The term for nominated members will be 3 years.
**Future Meetings:** At least one meeting per year, with additional meetings scheduled as needed.

## 5. Conclusion:

The meeting concluded with a note of thanks to all participants. The Chairperson thanked everyone for their contributions and emphasized the need for continuous improvement to maintain high academic standards and industry relevance.

*Prof.M. Subramaniam*
*Chairman – BoS*
*Dept. of Computer Engg & Tech.*