VASAVI COLLEGE OF ENGINEERING (Autonomous)
9-5-81, Ibrahimbagh, Hyderabad-500031, Telangana, India
(Sponsored by Vasavi Academy of Education)
Phone: +91-40-23146003 Fax: +91-40-23146090, +91-40-23146081

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date: 04.08.2021

Minutes of the meeting of the Board of Studies, Computer Science & Engineering Department, held at 11.00 AM on Monday, 04 August, 2021 in online mode on Microsoft Teams platform.

Members Present

Dr. T. Adilakshmi, Professor & Head, Dept. of CSE		Chairman & Head
Dr. K. Shyamala, Professor, Dept. of CSE, UCE Osmania University		OU Nominee
Dr. Siba K. Udgata, Professor, Dept. of CSE, HCU		Subject Expert
Dr. Sobhan Babu, Associate Professor, Dept. of CSE, IIT Hyderabad		Subject Expert
Dr. P. Radha Krishna, Prof. & HOD, CSE Dept., NIT Warangal		Subject Expert
Dr. Badrinath Srinivas, Research Scientist, Amazon Development Center		Industry Representative
Dr. K. Sampath Kumar, Consultant, TCS		Industry Representative
Mr. Chandrasekhar Adari, Director of IT, Qualcomm		Industry Representative
Mr. Uma Mahesh Mudigonda,Pr. Product Manager, Microsoft		Alumnus
Ms. Shivani Kemidi, Sr. Software Engineering Manager, Microsoft		Alumnus
1	Dr. Nagaratna P. Hegde, Professor	Faculty Members
2	Dr. D Basavaraj, Professor	
3	Dr. V. Sireesha, Assoc. Professor	
4	Dr. K. Srinivas, Assoc. Professor	
5	Ms. M. Sunitha Reddy, Asst. Professor	
6	Mr. R. Sateesh Kumar, Asst. Professor	
7	Mr. S. Vinay Kumar, Asst. Professor	

8	Mr. M.S.V. Sashi Kumar, Asst. Professor
9	Mr. C. Gireesh, Asst. Professor
10	Ms. B Syamala, Asst. Professor
11	Mr. P. Narasaiah, Asst. Professor
12	Ms. T. Jalaja, Asst. Professor
13	Mr. I. Navakanth, Asst. Professor
14	Ms. T.Jalaja, Asst. Professor
15	Ms. T. Nishitha, Asst. Professor
16	Mr. T. Saikanth, Asst. Professor
17	Mr. M. Jitender Reddy, Asst. Professor
18	Ms. S. Komal Kour, Asst. Professor
19	Ms. B. Sneha Lata , Asst. Professor

- HOD welcomed the members and informed them that the institute has been Accredited with A++ grade by NAAC on 02nd February, 2021. We are one among very few universities/institutes who have achieved this status of A++ grade, in the first attempt.
- UGC has extended the autonomous status to our institution for a period of ten years from 2021-2022 to 2030-2031 without onsite visit based on the NAAC A++ Grade.

The following items on the agenda were taken up for consideration:

1. **To review the minutes and approve the Action Taken Report on the decisions taken in the previous BoS meeting held on 27.07.2020**

   - The Action taken report of the previous BoS meeting held on 27.07.2020 was presented and confirmed.
   - Chairman brought to the notice of the BoS members that we have setup the IIoT lab under MODROBS Scheme.

2. **Review of Department Vision & Mission, PEO's, PSO's and PO's.**

   - The Chairman gave a brief overview of the Institute's Vision & Mission, Department Vision, Mission, PEO's, PO's and PSO's of UG and PG programs.

3. **Note on the department achievements**

- Department achievements of academic year 2020-21 were presented

4. **To discuss the online pedagogical initiatives implemented to enhance the quality of teaching-learning process**

- Chairman informed that the faculty have made the best use of virtual labs and simulation tools during the pandemic to improve teaching learning in the labs
- Faculty who have handled virtual labs and faculty who have utilized simulation tools for the conduct of labs have shared their experiences.
- Dr. Badrinath asked about the methods for keeping the students engaged during the classes and the chairman clarified that the department have adopted the usage of tools like Polly, Kahoot which helped in making the classes interactive
- Dr. Sampath agreed and said that the usage of Polly in teams can be used at the end of the quiz after a lecture to know the feedback
- Dr. Sampath also appreciated that students did well in the Theme Based Projects even with the limited resources available
- Dr. Badrinath asked if the department is encouraging students and faculty to take up MOOC certifications offered by NPTEL. The chairman clarified that this practice of faculty and students participating in NPTEL courses is being followed in the department since 2017.
- Dr. Sobhan Babu said that we can use an tool like *"Mentimeter"* to conduct surprise quiz which keeps the students engaged in the classes
- Mr. Chandra Adari said that the usage of Google CoLab is a very good idea and will help students to work on Machine Learning problems.

5. **To discuss & review the following for the BE (CSE) students to be admitted during the academic year 2021-22 :**

a. Scheme of instruction and Examinations from I to VIII semesters

- Dr. Shoban Babu sir said 3D printing is gaining popularity, so it can be included in 1st semester, chairman told that it is being offered as open elective.
- Chairman told that Logic and Switching theory course is moved to II semester and Discrete structures is moved to fourth semester, as the lateral entry students are studying LST course in diploma whereas discrete structures is not part of curriculum in Diploma

- Members suggested to move discrete structures course to III semester and move Transform techniques, Probability and Statistics course to IV Semester.
- Dr. Udgata, Dr. Sobhan Babu and Dr. Badrinath suggested to retain Compiler Construction as a professional core subject and Data Mining, Image Processing to be offered as Professional Electives.
- Dr. Udgata asked whether there will be any internal guide for the students who are working on projects in industries. Chairman informed that each team would be assigned an internal guide from the department.

b. Syllabi for I & II semester courses
- Syllabi is reviewed and approved.

6. **To discuss & review the following for the BE (AI&ML) students to be admitted during the academic year 2021-22 :**
   a. Scheme of Instruction and Examinations from I to VIII semesters
   - Dr. Sobhan Babu suggested to make NLP as a mandatory course instead of offering it as a Professional Elective
   - Dr. Radhakrishna suggested to move Reinforcement Learning from Professional core to Professional Elective

   b. Syllabi for I & II semester courses
   - Syllabi is reviewed and approved.

7. **To discuss & review the following for the BE (CSE) students admitted during the academic year 2020-21 :**
   a. Scheme of Instruction and Examinations for III & IV semesters
   - Scheme of instruction and examinations are approved.
   b. Syllabi for III & IV semester courses
   - Members suggested to include Tries in Data Structures syllabus.
   - Dr. Badrinath suggested to include Randomized algorithms, Flow Theory and Graph Theory algorithms in DAA
   - Syllabi is reviewed and approved

8. **To discuss & review the following for the BE (AI&ML) students admitted during the academic year 2020-21 :**
   i. Scheme of Instruction and Examinations for III & IV semesters
   - Dr. Udgata asked about soft computing techniques and the chairman clarified that all the topics of Soft computing are covered in AI and ML courses

   ii. Syllabi for III & IV semester courses
   - Members suggested to include Tries in Data Structures syllabus.

- Dr. Sobhan Babu said RNN & CNN are being used for drone movement prediction, therefore these topics could be included in appropriate course. Chairman clarified that these topics are included in Deep Learning course.
- Mr. Chandra Adari, suggested conducting Guest lectures on topics like Generative Adversarial Networks (GAN's) as this will help them during the placements
- Dr. Sobhan Babu suggested that Visual analytics is gaining popularity and it is also important for Placements and suggested SAS, PowerBI to be few widely used technology solutions adopted in the industry. If possible, it can be offered as an exclusive lab course. Chairman told that in Data Mining course visual representations are being taught in Unit-V.
- Mr. Umamahesh suggested including the above tools as a part of the Data Mining Lab.
- Dr. Badrinath suggested to include Randomized algorithms, Flow Theory and Graph Theory algorithms in DAA
- Dr. Badrinath suggested that Graph Theory can be made as a full course.
- Dr. Sobhan babu suggested to offer Social Network Analysis as a Professional Elective course
- Syllabi is reviewed and approved

9. **To discuss & review the following for the BE (CSE) students admitted during the academic year 2019-20 :**
   a. Scheme of instruction and examinations for V and VI semesters
   - Scheme of instruction and examinations are approved.
   b. Syllabi for V and VI semester courses
   - Dr. Udgata, Dr. Radha Krishna suggested to include WebRTC in the WPS course.
   - Syllabi is reviewed and approved

10. **To discuss & review the following for the BE (CSE) students admitted during the academic year 2018-19 :**
    a. Scheme of Instruction and Examinations for VII & VIII semesters
    - Scheme of instruction and examinations are approved.
    b. Syllabi for VII & VIII semester courses
    - NLP course syllabus was reviewed and approved.
    - Syllabi is reviewed and approved

11. **To discuss & review the following for the M.Tech students to be admitted during the academic year 2021-22 :**
    a. Scheme of Instruction and Examinations from I to IV semesters
    - Scheme of instruction and examinations are approved.
    - Chairman informed that III sem courses are conducted in online mode

- Students are required to complete one NPTEL course during first to Third semester.
- In technical skills-II C, Java, Python and Data Structures are covered.
- Dr. Radha Krishna suggested including tutorial classes for Mathematical Foundations of Computer Science.

b. Syllabi for I & II semester courses
- Syllabi is reviewed and approved

12. **To discuss & review the following for the M.Tech students admitted during the academic year 2020-21 :**
a. Scheme of Instruction and Examinations for III & IV semesters
- Scheme of instruction and examinations are approved.
b. Syllabi for III & IV semester courses
- Syllabi is reviewed and approved

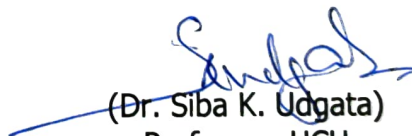Chairman thanked all the members present.

(Dr. T. Adilakshmi)
Professor & HOD, CSE, VCE
Chairperson, BoS

(Dr. K. Shyamala)
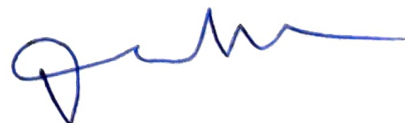Professor, OU
University Nominee

(Dr. Ch. Sobhan Babu)
Assoc. Professor, IIT Hyderabad
Subject Expert

(Dr. Siba K. Udgata)
Professor, HCU
Subject Expert

(Dr. K. Sampath Kumar)
Consultant
Tata Consultancy Services
Industry Representative

(Mr. M. Uma Mahesh)
Principal Program Manager
Microsoft India Pvt. Ltd.
Alumnus