Minutes of the Meeting
VASAVI COLLEGE OF ENGINEERING
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 24.2.2020

Minutes of the 10th meeting of Board of Studies in Electronics and Communication Engineering held on 22.2.2020 (Saturday) between 10.00 A.M. to 1.30 P.M. at the Department of Electronics and Communication Engineering, Vasavi College of Engineering, Ibrahimbagh, Hyderabad.

Members Present:

Dr. E. Sreenivasa Rao	Prof. & Head, Chairman, BoS
Dr. P. Chandrasekhar	OU Nominee, Professor, ECE Dept., OU, Hyderabad
Dr. L. Anjaneyulu	Professor, Subject Expert
Dr. Amit Acharya	Professor, Subject Expert
Mr. Vemuri Hanuma Sai,	Director, Industry Representative
Dr. Veeresh Babu Vulligaddala	Special Invitee, Industry Representative
Dr. Md. Khaja Mujeebuddin Quadry	Member (PG-Alumnus)
Dr. K. Veera Swamy	Professor
Dr. K. Deergha Rao	Professor
Ms. G.R. Padmini	Associate Professor
Dr. N. Siva Sankar Reddy	Associate Professor
Mrs. A. Sri Lakshmi	Associate Professor
Mrs. K. Deepthi	Assistant Professor
Mr. N. Abid Ali Khan	Assistant Professor
Mr. R. Goutham	Assistant Professor
Mrs. K.R. Deepthi	Assistant Professor
B. Uma Mahesh Babu	Assistant Professor
Mr. M. Ramanjaneyulu	Assistant Professor

The following members of Board of Studies could not attend the meeting

1. Dr. Amit Acharya, Electrical Engineering Dept., IIT-Hyderabad
2. Dr. N.S. Murthy, Professor, ECE Department
3. Dr. M. Satyam, Adjunct Professor, ECE Department
4. Mrs. Vibha D.Kulkarni, Assistant Professor, ECE Department

Dr. E. Sreenivasa Rao, Chairman BoS presided over the meeting. After he welcomed the members to the meeting, the following items were taken up for discussion and consideration.

1. **The minutes of the 9th BoS meeting held on 21-5-2019 were read and confirmed.**
2. **To review and approve the Action Taken Report on the decisions taken in the last meeting held on 21.5.2019.**

Agenda item No.	Action Taken
Item. 4: Members suggested that ethical and value based education may be incorporated in the department mission statement.	Mission statement has been revised as per the following.
To inculcate a spirit of scientific temper and analytical thinking and train the students in contemporary technologies in Electronics and Communication Engineering to meet the needs of the industry.	To inculcate a spirit of scientific temper and analytical thinking and train the students in contemporary technologies in Electronics and Communication Engineering to meet the needs of the industry **and society with ethical values**.
Member suggested that PEOs should reflect accomplishments of the graduates.	PEOs of UG program are revised as per the following.
PEO1: Graduates will be able to provide the required foundation in mathematics and engineering sciences that will enable the graduates to identify, analyze and solve engineering problems.	PEO1: Graduates will be able to identify, analyze and solve engineering problems.
PEO2: Graduates will be able to impart in-depth knowledge and training in Electronics and Communication Engineering and help them to succeed in their careers, higher education and research.	PEO2: Graduates will be able to succeed in their careers, higher education, and research.
PEO3: Graduates will be able to inculcate professional and ethical values in the graduates to excel individually and in multidisciplinary teams to solve engineering and societal problems.	PEO3: Graduates will be able to excel individually and in multidisciplinary teams to solve engineering and societal problems.
PEO4: Graduates will be able to provide the graduates with an environment that is conducive for developing excellence in leadership and encourage lifelong learning.	PEO4: Graduates will be able to exhibit leadership qualities and lifelong learning skills with ethical values.

3. **To review and recommend the newly designed UG/PG curriculum for Open Electives.**

    2 credit and 3 credit open elective courses offered in UG programme during III to VI semesters by ECE department to other departments were reviewed and recommended.

    3 credit open elective courses offered in two PG programmes during III semester were reviewed and recommended.

4. **To review and recommend the newly designed UG/PG curriculum for Professional Electives.**

Professional elective courses offered in UG programme in four streams namely Embedded Systems and VLSI Design, Communication Engineering, Signal Processing and Networking during VII and VIII semesters were reviewed and recommended.

Professional elective courses offered in two PG programmes during I to III semesters were reviewed and recommended.

5. **To discuss the computer based assessment process for open elective, professional elective courses to enhance experiential learning.**

To enhance the experiential learning, members suggested to identify the possible elective courses for converting them into theory cum practice courses for discussion in next BoS meeting.

6. **To review and recommend the Skill Development Courses (Technical skills) conducted for B.E V &VI-Semester and M.E I & II Semester students for the A.Y 2019-20.**

Chairman explained the members about different technical skills training programmes conducted for UG and PG students. The details are given below.

B.E V – Semester and M.E I – Semester

Industry Standard Coding Practices using C (B.E – ECE)
Industry Standard Coding Practices in Java (B.E - ECE)
Fundamentals of Digital System Design Using Verilog (B.E – ECE & M.E – ES&VLSID)
Python Programming for Internet of Things with Raspberry Pi (B.E – ECE & M.E – CE&SP)
ARM Based System Design using Embedded C Programming (B.E - ECE)

B.E VI – Semester and M.E II – Semester

Advanced Embedded Automotive Applications Development (B.E - ECE)
Advanced Coding Skills in C (B.E - ECE)
Advanced Coding Skills in JAVA (B.E - ECE)
Design and Verification using System Verilog (M.E – ES&VLSID)
Ethical Hacking and Cyber Security (M.E – CE&SP)

7. **To discuss new pedagogical methods to enhance the quality of Teaching-Learning Process.**

In addition to the traditional teaching-learning methods, the department adopted the following innovative student centric methods to encourage Participative, Problem solving and Experiential learning.

(1) Laboratory demonstration (2) NPTEL video lectures (3) Flipped class room (4) Think pair share (5) Mind mapping (6) Worksheet for problem solving (7) Peer learning groups (8) Literature review (9) Journal Review for advanced topics (10) Open book test (11) Lab based simulations (12) Role play (13) Pogil.

8. **To review the COs, POs, PSOs and assessment process for UG and PG programmes.**

Assessment process for COs, POs, PSOs have been reviewed for academic year 2018-19.

9. **To review and finalize the feedback formats for different stake holders.**

Members reviewed the present feedback formats and suggested to collect feedback from different stake holders through online process.

10. **To discuss about various opportunities to collaborate with Institutions/R&D organizations to enhance R&D and Consultancy culture in the Department.**

Chairman informed the members that the college has introduced incentive policy to the faculty and students to give special thrust to research culture in the institute and to promote research activities in the institute giving partial support to research, publication and other related activities. Chairman requested the faculty members to explore various opportunities with Institutions / R&D organizations to enhance R&D and Consultancy culture in the Department.

11. **To discuss the modalities and curriculum for market/industry driven requirements for starting new programmes/branches.**

Chairman welcomed the members to give suggestions for introducing new courses in emerging areas. Members suggested the following courses may be considered for further discussion.
- Advanced Embedded Systems
- VLSI Design
- System on chip design
- Data Science
- AI and Machine Learning
- Wireless Communications

12. **Any other suggestions for overall academic improvement of the Department.**

Members enquired about the composition of project assessment and evaluation committee and suggested that it is better to involve industry experts in project assessment and evaluation process apart from academic experts.

The meeting concluded with vote of thanks to the Chair.