

9th Board of Studies Meeting

Venue: Jasmine

Date: 05.05.2023

Meeting ID:

Time: 10.00 AM

<https://us06web.zoom.us/j/87448672224?pwd=RVNTYmFYVnRpVklzNUQ1a3RrWXpjQT09>

Agenda:

The following points were discussed in the 9th BoS meeting.

1. The minutes of the 8th Board of Studies meeting and action taken report
2. UG R2021 and UG R2021 revised Professional Elective courses and syllabi of the following verticals:
 - Vertical III – Cloud Computing and Data Processing Technologies
 - Vertical V – Full stack Development
3. UG R2021 and UG R2021 revised Open electives of Semester V to VII
4. DCC approved list of Value added and Industry one credit courses
5. MOOC and other proctored exam mode courses like L&T, NPTEL
6. Industry training and Internship
7. PG R2023 Curriculum and Syllabus of Semester I to IV
8. Any other matters

Members Present:

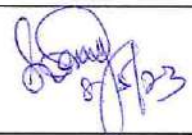

S.No	Name of the member with Designation	Category	Signature
1.	Dr. M. Vijayalakshmi Professor Department of Computer Science and Engineering Thiyagarajar College of Engineering Madurai	University Nominee	ONLINE
2.	Dr. M. Brindha Associate Professor Department of Computer Science and Engineering National Institute of Technology Tiruchirappalli	Academic Expert	ONLINE

Department of Computer Science and Engineering

KPR Institute of Engineering and Technology



3.	Dr. Ramalatha Marimuthu Ombudsman, IEEE Computer Society Director, iExplore Foundation for Sustainability Development Koundampalayam Coimbatore	Subject Expert	ONLINE
4.	Mr. Sanjay Mishra Head Information Systems CIO L&T Construction Chennai.	Industry Expert	ONLINE
5.	Dr. R. Ganesan Professor and Dean School of Computer Science and Engineering Vellore Institute of Technology Chennai	Special Invitee	ONLINE
6.	Ms. Yamini Data Science Test Specialist Mindtree Pvt. Ltd. Bengaluru	Special Invitee	ONLINE
7.	Mr. Arun Pandiyan Rathinakumar Research Engineer QpiCloud Technologies Bangalore - 560045	Alumni	ONLINE
8.	Dr.N.Yuvaraj, Professor/CSE, KPRIET	HoD/CSE	<i>Handwritten signature and date 8/5/23</i>
9.	Dr.K.Vishnukumar Professor/CSE, KPRIET	Faculty Member	<i>Handwritten signature and date 8/5/23</i>
10.	Dr. Manojkumar Professor/CSE, KPRIET	Faculty Member	<i>Handwritten signature and date 8/5/23</i>
11.	Dr.K. Kamaraj, Associate Professor/ CSE, KPRIET	Faculty Member	<i>Handwritten signature and date 8/5/23</i>
12.	Dr.M.Saravanan, Associate Professor/ CSE, KPRIET	Faculty Member	<i>Handwritten signature and date 8/5/23</i>
13.	Dr. G.Jenifa, Assistant Professor(SI.G)/CSE, KPRIET	Faculty Member	<i>Handwritten signature and date 8/5/23</i>
14.	Dr. R H Aswathy, Assistant Professor(SI.G)/CSE, KPRIET	Faculty Member	<i>Handwritten signature and date 8/5/2023</i>
15.	Dr. R Sivaramakrishnan, Assistant Professor(Sr.G)/CSE, KPRIET	Faculty Member	<i>Handwritten signature and date 8/5/23</i>

16.	Dr. S Karthic, Assistant Professor(Sr.G)/CSE, KPRIET	Faculty Member	
17.	Mr. K. Kathiresan, Assistant Professor(Sr.G)/CSE, KPRIET	Faculty Member	

Minutes of the 9th Meeting of the Board of Studies:

The meeting started with the Chairman of the Department of Computer Science and Engineering welcoming the Board of Studies members and the Computer Science and Engineering Department faculty members. The Chairman presented the updated Vision, Mission, PEOs, PSOs as follows:

The **vision of the department** was “To foster the students by providing learner centric teaching environment, continuous learning, research and development to become thriving professionals and entrepreneurs to excel in the field of computer science and contribute to the society” and it is changed to **“To be a premier center for education, dissemination of knowledge and research in the frontier areas of computer science and engineering to serve the community with moral values”**.

In the previous version, the department had four **missions**, but it has been reduced to three, as outlined below:

- Provide holistic education incorporating the state-of-the-art technologies to produce successful professionals.
- Facilitate the students to pursue higher education and research in the areas related to Computer Science and Engineering.
- Promote strong collaborations with the industries and steer the students to nurture their interest in continuous learning to meet the changing needs of the society.

Earlier there were four **PEOs**, but it has been reduced to three, as indicated below.:

PEO1: Acquire knowledge and skills on cutting edge technologies in the field of computer science.

PEO2: Inculcate a passion for continuous learning through further studies and research in the field of computer science and engineering.

PEO3: Develop innovative ideas upholding the rich value systems to solve the changing technological needs.

Some modifications have been made to the **PSOs**, and the revised PSOs are as follows:

PSO1: Solve complex engineering problems by building integrated systems across various domains of Computational Intelligence.

PSO2: Apply technical skills to produce solutions that meet the requirements of the emerging technologies in Computer Science and Engineering.

The Curriculum and syllabus of R2021, R2021 Revised Professional Elective Vertical and PG R2023 are presented by the Chairman for approval. The Chairman of BoS also deliberated the significance of Honours, Honours with specialization and Minor degrees in R2021 and R2021, Revised with the detailed syllabus.

Following points were discussed at the Board of Studies.

RESOLUTIONS:

1. Action was taken on the minutes of the 8th BOS meeting:

The minutes of the 8th BoS meeting and the action taken thereon are approved.

- Dr. R. Ganesan suggested that the verticals can be narrowed down and include a few more subjects in verticals. Hence the verticals are finalized accordingly.
- Based on the suggestion provided by Dr. M. Brindha, the course titled “AI Fundamentals and Machine Learning” is introduced as a Laboratory course in the IV semester.
- Mr. Sanjay Mishra suggested a few subjects that can be included as professional electives like DevOps, Quantum computing, and Kubernetes and are included in the Verticals V and VI.
- Dr. M.Vijayalakshmi suggested changing the course outcomes to higher order thinking for U21ECG03-Tinker Clinic, which has been incorporated.

2. The Curriculum and syllabi for Professional Elective Verticals of UG Programme under Regulations 2021 and Regulations 2021 Revised

Resolved to approve that the following recommendation may be passed to the standing committee of the Academic Council that the Choice-based Credit System based curriculum and syllabi of Professional Elective Vertical for the B.E Computer Science and Engineering program under Regulations 2021 be passed with the following suggestions.

- (i) Dr. M. Brindha suggested that Kubernetes can be included as one unit in SOA and Micro Services subject of Full stack vertical.
- (ii) Dr. M. Brindha insisted that the Minor degree is too specific and can be given as generic department subjects.
- (iii) Dr. M. Brindha suggested that a few more verticals can be included in Minor degree verticals.

3. The Curriculum and syllabi for I to IV Semesters of PG Programme under Regulations 2023

Following are the suggestions given by BoS members regarding the Curriculum and syllabi for the M.E Computer Science and Engineering program under Regulation 2023, which shall be presented to the standing committee of the Academic Council for discussions:

- (i) Dr. M. Brindha suggested including core subjects like Computer Organization and Architecture in in the first semester.

4. Open Electives offered to other branches

Following are the suggestions given by BoS members regarding Open Electives offered by the department of CSE, which shall be presented to the standing committee of the Academic Council for discussions:

Even Semester	Odd Semester
Cloud Computing Essential	Computational Thinking
Database Systems	Block Chain Fundamentals
Digital Engineering	Foundations of AR/VR
User Interface Design	Foundations of Multimedia and Animations

5. Online Courses

Board recommended the following Online Courses to the standing committee of the Academic Council for discussions:

- (i) Edutech Partners L&T EduTech, Coursera, NASSCOM courses are presented by Chairman,BoS and got approved by BoS members

6. Industrial Training / Internship

Following are the suggestions given by BoS members regarding Industrial Training / Internship which shall be presented to the standing committee of the Academic Council for discussions:

- (i) The duration of the regular and additional internship has been discussed.
- (ii) Submission of projects and reports should meet the solution for the Industry's problems.

7. Industry Oriented Courses (One Credit Courses)

Board recommended the following One Credit Courses to the standing committee of the Academic Council for discussions:

- (i) Based on each vertical one-credit course will be offered to the students.

8. Value Added Courses:

Board recommended the following Value Added Courses to the standing committee of the Academic Council for discussions:

- (i) Existing Value Added Courses can be followed.

9. Methodologies for innovative teaching and evaluation

It is resolved that the following recommendations may be passed to the standing committee of the Academic Council:

- (i) Interdisciplinary projects can be included to improve the innovations of the students.

10. Autonomous evaluation

Following are the suggestions given by BoS members regarding Panel of examiners for autonomous related activities:

- No Suggestions

11. Any other subject

It is resolved that the following recommendations may be passed to the standing committee of the Academic Council

- The CO-PO-PSO mapping is presented along with the syllabus to the members of the BoS for review. The members of the committee were satisfied with the justification and approved the same.
- Dr. M.Vijayalakshmi suggested including mapping of PO 6 to PO 10 for specific subjects.
- Industry experts and alumni can evaluate project components.
- UG students can publish Research Publications and Patents from interdisciplinary projects.

Board of Studies members recommended to incorporate all the above suggestions and present the same in the Academic Council for further approval.

Dr.N.Yuvaraj, HOD/CSE concluded the meeting by thanking all the Board of Studies members for their valuable suggestions and recommendations.



Chairman – BoS/CSE