



Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering



Minutes of Meeting: 4th Board of Studies on 14th June 2022

Department: Computer Engineering **Academic Year:** 2021-2022

Semester: II

Date: 14/06/2022

The fourth meeting of the Board of Studies of the Department of Computer Engineering (PCCoE) was held on Tuesday 14/06/2022 at 02:00 pm in the LRDC Hall, PCCoE.

Following members were present:

Sr. No	Name	Designation
1.	Prof. Dr. Sunita Jahirabadkar	Professor and Dean R&D, Department of Computer Engineering, Cummins College of Engineering for Women, Pune.
2.	Dr. Madhavi Ajay Pradhan	Associate Professor, Department of Computer Engineering, All India Shivaji Memorial Society's College of Engineering, Pune.
3.	Prof. Dr. Deepak Sharma	Professor & Head, Department of Computer Engineering, KJSCE, Mumbai.
4.	Dr. Venkateswasaran	Chief Information Officer, Persistent Systems, Pune.
5.	Prof. Dr. Sunil Mane	Associate Professor, College of Engineering, Pune.
6.	Dr. Aamod Sane	Professor, Computer Science, Flames University, Pune.
7.	Dr. Abhijat Vichare	Research and Software Consultant, System Software
8.	Dr. Sheetal Bhandari	Dean Academics, PCCoE
9.	Dr. K. Rajeswari	Professor & Head
10.	Dr. Anuradha Thakare	Professor & Dean International Relations
11.	Dr. Swati Shinde	Professor & Dean R&D
12.	Prof. S. S. Sambare	Associate Professor
13.	Dr. Reena Kharat	Associate Professor
14.	Dr. Rachana Patil	Associate Professor
15.	Dr. Nilam Upasani	Associate Professor
16.	Dr. Sonal Gore	Assistant Professor
17.	Mr. Rahul Patil	Assistant Professor
18.	Mrs. B. Mahalaxmi	Assistant Professor
19.	Mrs. Sushma Vispute	Assistant Professor
20.	Mrs. Archana Kadam	Assistant Professor
21.	Mrs. Shailaja Pede	Assistant Professor
22.	Mr. Anand Birajdar	Assistant Professor
23.	Mrs. Deepa Abin	Assistant Professor
24.	Ms. Anagha Chaudhari	Assistant Professor
25.	Mrs. Priya Surana	Assistant Professor
26.	Mrs. Harshada Mhaske	Assistant Professor

27.	Mrs.Pallavi Dhade	Assistant Professor
28.	Mr. Atul Pawar	Assistant Professor
29.	Mrs. Shraddha Ovale	Assistant Professor
30.	Dr. Asmita Manna	Assistant Professor
31.	Mrs. Shruti Chaudhari	Assistant PProfessor
32.	Dr. Satpalsingh Rajput	Assistant Professor

Leave of absence was granted to following Members and Invitees:

1.	Prof. Dr. Ketan Kotecha	Professor (Computer Science & Engineering) and Director, Symbiosis Institute of Technology, Pune.
2	Dr. Aniruddha Joshi	Founder & CEO, Atreya Innovations Pvt. Ltd., Pune.
3	Mr. Lokesh Katore	Quality Analyst, CITI, Pune.
4	Dr. Sudeep Thepade	Professor, Dean Quality & PG Co-ordinator
5	Ms. Anagha Chaudhari	Assistant Professor

Agenda for the meeting: -

1. Actions Taken on the suggestions received in the previous three BoS meetings
2. Proposed TY B Tech Curriculum Structure and Syllabus
3. Proposed Open Elective Courses offered to other branch students
4. Proposed Open Elective Courses for Computer Engg Students offered by other departments
5. Proposed changes in FY BTech Teaching Scheme and Course Content
6. Proposed Minor changes in SY BTech Courses
7. Proposed SY B Tech Curriculum Structure and Syllabus for Computer Engineering (Regional Language)
8. Discussion on Credit transfer- through SWAYAM
9. Vote of Thanks

Following points were discussed during the meeting:

1. On behalf of the Computer Engineering department, Ms. Madhura Kalbhor welcomed all.
2. Head of the department, Dr. K. Rajeswari welcomed all BoS members and gave a brief introduction about the department.
3. Sunita Jahirabadkar, Dr. Deepak Sharma, Dr. Venkateshwaran and Dr. Abhijat Vichare with a sapling as a token of appreciation.
4. Dr. Swati Shinde, dean R&D welcomed Dr. Aamod Sane with a sapling as a token of gratitude.
5. Prof. G. B. Sambare welcomed Dr. Madhavi Pradhan and Dr. Sunil B. Mane with a sapling as a token of appreciation.
6. Prof. Dr. K Rajeswari, Head of the Computer Engineering department, opened the meeting formally by thanking all the BoS members for their contribution in the last three BoS meetings and continuous support provided in the development of the department.

7. She introduced the new BoS members Dr. Madhavi Pradhan, Dr. Deepak Sharma and Dr. Aamod Sane. These three members have been added to the Board of Studies of the Computer Engineering department especially for the B Tech Computer Engineering (Regional Language).

01: Actions Taken on the suggestions received in the previous BoS

1. Dr. K. Rajeswari explained how PBL has been introduced in the syllabus following the suggestions of BoS members from the first BoS meeting. She also specified that second year students and parents have given positive feedback about the project based learning.
2. Computer Organization has been introduced in the syllabus.
3. Fundamentals of Blockchain has been added in sem 6 which is the foundation course for Blockchain Architecture Design of seventh semester.
4. As the BoS members stressed on paper publications by undergraduate students in the last three BoS meetings, the paper publication has been added as a mandatory requirement in different honors courses.
5. As suggested by the BoS members, Start-ups have been considered in the internship credit.
6. All BoS members appreciated the actions taken by the department based on their suggestions.

02: Proposed TY B Tech Curriculum Structure and Syllabus

1. Dr. Reena Kharat started the presentation with unique selling points of TY B Tech syllabus like introduction of online coding platform, project based learning, involvement of industry persons as co-teacher/ adjunct professors, specialization through PEC, multidisciplinary knowledge through OEC etc.
2. Dr. Rajeswari expressed that the department is facing issues in engaging industry people due to lack of time, especially in the offline mode. She asked about the experiences of BoS members in their respective institutes.
3. Dr. Deepak Sharma shared his experience of having adjunct faculties from management college, language institutes etc. from the same campus of KJSCoE. In case of industry persons, hybrid modes are preferred where the content can be delivered either in online or in offline mode, however the examinations should mandatorily be conducted in offline mode.
4. Dr. Sunita Jahirabadkar shared her experience of engaging adjunct professors from industry in Cummins CoE. She said that generally industry persons are not given the responsibility of paper-setting/ evaluation. The complete responsibility of paper setting/ evaluation is with internal faculties; for that purpose, internal faculties are requested to attend the lectures by industry persons so that they can understand which portions are covered by the adjunct faculties. She also specified that generally morning slots like 8:00AM-9:00AM are provided to the industry persons to conduct their lectures. However, as per the norms of the statutory bodies, the adjunct faculties should be engaged for minimum 50 hours or so. Therefore, the adjunct faculties are involved in evaluating the projects and seminars such that the hours are completed. It is resolved to propose adjunct/co-teaching faculty engagement through hybrid mode.
5. Dr. Reena Kharat presented different curriculum components of the TY B Tech structure. She mentioned different courses offered under HSMC, Audit Courses category which will be approved by AS&H Board. She then presented courses for approval under various categories like Core Courses, Professional Elective Courses, Open Elective Courses and Proficiency Courses.

6. Dr. Reena Kharat presented various Core Courses - Theory of Computation, Design and Analysis of Algorithms, Design and Analysis of Algorithms Laboratory, Systems Programming & Operating Systems, Systems Programming & Operating Systems Laboratory, Skill Development Laboratory -I.
7. Dr. Reena Kharat proposed choices for Professional Elective Courses - Under track Artificial Intelligence & ML, PEC-1 is Data Mining and Warehousing and PEC-3 is Machine Learning. Under track Information Security, PEC-1 is Information & Cyber Security and PEC-3 is Fundamentals of Blockchain. Under track Application Development, PEC-1 is Web Technology and PEC-3 is Full Stack Development. Under track Computer Vision, PEC-2 is Computer Graphics & Gaming and PEC-4 is Image & Video Processing. Under track Computer Networks, PEC-2 is Wireless Sensor Networks and PEC-4 is Internet of Things. Under track Software Engineering, PEC-2 is Management Information System and PEC-4 is Software Engineering & Project Management. Dr. Venkateswaran asked whether the students can opt for any elective choices irrespective of pre-requisites or they will be restricted to a single track. Dr. Rajeswari explained that the elective subjects are designed in such a way that students can opt for any electives from any track. However, they will be encouraged to stick to the same track.
8. Dr. Abhijat Vichare commented that it is always not possible to design the syllabus without any pre-requisite course. Why to allow students to opt for a second-level course (sixth semester course) in the track. If any student wants to change the track, let him/her take the first course of the track that is the fundamental course offered in the fifth semester. Dr. Venkateswaran seconded him. Dr. Rajeswari explained that the courses are drafted in such a way that students can independently opt for any electives. Dr. Deepak Sharma and Dr. Mane seconded the idea and they said that the prerequisites can be completed by the MOOC courses from Swayam, Coursera etc. Dr. Rajeswari agreed to the same. It is resolved that students will be given freedom to change track and students will be suggested to complete the first course in the track with MOOC courses wherever required.
9. Dr. Reena Kharat proposed choices for Proficiency Courses - Programming with ASP.Net and Advanced JAVA Programming - I as PC - II in Sem V and Android Application Development and Advanced JAVA Programming - II as PC - III in Sem VI.
Dr. Sunil Mane suggested that we don't give technology names to courses. He suggested that rather than saying Java Programming you can name it as Object Oriented Programming using Java. He said that technology specific names are not encouraged in marksheets. It is resolved to verify the names and change wherever necessary.

03: Proposed Open Elective Courses for other branch students

1. Dr. Reena Kharat presented the Open Elective courses. Under OEC-II, Data Structures using Python and Programming with C++ are presented for Sem V. Under OEC-III, Fundamentals of Computer Networks and Principles of Software Engineering are presented for Sem V. Under OEC-IV, Fundamentals of Machine Learning and JAVA Programming are presented for Sem VI. These courses will be offered by the Computer Engineering department for other department students.
2. Dr. Venkateswaran raised a question that how the theory course without the hands-on session will be helpful for other department students. Dr. Reena Kharat explained that it has been decided to conduct the sessions in the lab instead of classroom wherever required so that the students can have the flavor of hands-on. Dr. Sunil B. Mane suggested dividing the credits as 2 Credits theory + 1 credit tutorial. Dr. Rajeswari countered that as the session is being conducted in the lab, why to have a tutorial. Dr.

Mane explained that it is always better to reduce the batch-size for hands-on. Therefore, it is better to either have a lab credit or a tutorial credit. Dr. Rajeswari agreed to give another thought about the credit distribution of the subject.

3. Dr. Aamod Sane raised a question why Software Engineering is being offered as an open elective. Dr. Venkateshwaran, Dr. Abhijat Vichare and Dr. Mane also seconded him. Dr. Sunita Jahirabadkar countered with an example about how Software Engineering is helpful for all the students who are aiming to get into IT jobs. Dr. Madhavi Pradhan seconded her. All BoS members agreed that Software Engineering is definitely an important subject. Dr. Deepak Sharma raised a fundamental question: Are we offering the course for making them more employable or just to percolate the core knowledge of Computer Engineering. If the subject is offered to increase the employability, it is better to go for programming courses with adequate stress on hands-on. Dr. Reena Kharat informed that programming related courses like python, C++, java are already included. Dr. Aamod Sane suggested to include more IT administration related courses which are on demand namely Unix Administration, Network Administration etc instead of Fundamentals of Computer Network Course. Dr. Mane also seconded him and mentioned that other department students may not be interested in coding but they might be interested in configuring cutting-edge systems and technologies. Dr. Venkateshwaran suggested to include Android Programming, Web Development, Cloud Administration. Dr. Reena Kharat informed that Android Programming and Web development related courses are in plan to offer under OEC in the final year. It is resolved that BoS chairman and internal BoS members should come up with an interesting course as a replacement for Fundamentals of Computer Network Course.
4. Dr. Rajeswari agreed to them and the department would think on it considering the operational practicability and resources.

04: Proposed Open Elective Courses for Computer Engg Students offered by other departments

1. Dr. Reena Kharat presented the open elective choices for Computer Engineering students offered by other departments.
2. Dr. Rajeswari sought advice on whether Computer Engineering students should be allowed to take OEC from courses offered by the department of IT. Dr. Deepak Sharma shared his experience stating that in KJSCoE, students are restricted to opt for open elective courses which are already being offered by their own department as a core course or an elective course.
3. Dr. Mane shared that in COEP, OEC is offered jointly by Computer and IT.
4. Dr. Jahirabadkar shared that in Cummins COE, the load for open elective is shared between Computer and IT departments.
5. It is resolved to restrict a student to opt for the course if he has already opted it under any head of Core/PEC/OEC. It is resolved to restrict students to opt for the course if it is going to be offered in subsequent semesters under Core head.

05: Proposed changes in FY BTech Teaching Scheme and Course Content

1. Dr. Reena Kharat discussed practical difficulties faculty face while teaching CPPS-1 due to the current teaching scheme of CPPS-1 Theory - 1 Credit & CPPS-1 Lab - 2 Credits. As theory sessions are once a week, practical goes ahead and theory lags. To bridge this gap change is proposed as CPPS-1 Theory - 2 Credit & CPPS-1 Lab - 1 Credits.
2. Dr. Abhijat Vichare suggested considering 1 Theory + 1Tutorial + 2 hours lab.
3. All other BoS members unanimously permitted to change the scheme from 1hour theory + 4 hours lab to 2 hrs theory +2 hours lab (2 credit theory + 1 credit lab).

4. It is resolved to change the CPPS-1 teaching scheme and evaluation scheme as proposed so that theory and practical sessions go hand in hand.
5. Dr. Reena Kharat presented minor changes in CPPS-1, CPPS-1 Lab, CPPS-2, CPPS-2-Lab.
6. It is resolved to approve proposed minor changes.

06: Proposed Minor changes in SY BTech Courses

1. Dr. Sunita Jahirbadkar opined that lab assignments should be changed each year and for that there is no need of permission from BoS. This can be done by the course-owner himself/herself with the permission from the BoS chairman.
2. Dr. Sunil Mane also seconded her. Dr. Abhijat Vichare is of the opinion that the lab assignments should not be listed at all. Dr. Mane commented that in the syllabus, it is mentioned as a suggested list of assignments only. Therefore, the course faculty has the freedom to design/change assignments as per his/her experience. It is resolved that changes in practical assignments are permitted and there is no need to bring it to BoS from next time.
3. Dr. Reena Kharat presented a change in SY Course contents for the courses - Digital Electronics and Computer Organization, Digital Electronics Laboratory, Data Structures and Algorithms, Object Oriented Programming, Project Based Learning – I, Microprocessor Architecture, Microprocessor Architecture Laboratory, Computer Networks, Database Management System, Computer Networks Laboratory, Project Based Learning – II.
4. Dr. Reena Kharat specified that contents in the courses CN & DBMS are reduced as the course is very heavy for SY level and for given credits. She also asked if the course code needed to be changed?
5. Dr. Mane, Dr. Sunita and Sr. Sharma said no need to change course code.
6. Dr. Kharat asked what about students of the current batch failing and appearing for the backlog exam? Do we need to set different question papers as the syllabus is now reduced?
7. All BOS members agreed that as syllabus is reduced, students will give backlog exams with reduced syllabus. No need to have a different set of papers and different course code.
8. It is resolved to permit all minor changes proposed in SYBTech syllabus without change in course code.

07: Proposed SY B Tech Curriculum Structure and Syllabus for Computer Engineering (Regional Language)

1. Dr. Rachana Patil presented SY B Tech curriculum structure for the Regional language course. She mentioned it is the same as the regular SY B Tech Computer Engineering structure. She also discussed features of regional language courses and Bilingual question papers.
2. Dr. Mane suggested having a detailed proof-reading for a Marathi question paper. Dr. Rachana Patil mentioned that the keywords and important concepts are to be kept in English only while translating the question paper in Marathi.
3. Dr. Mane opined that somewhere AICTE would audit whether the course is really conducted in the regional language.
4. Dr. Rachana Patil sought opinion of the BoS members about how to evaluate the course outcomes differently for SY BTech Computer Engineering (Regional Language). All BoS members unanimously commented that there should not be even a single different outcome for this course as the course is technical and outcomes are not changed if the

content delivery is in some other language. However, discussion in Marathi, deriving nomenclature of keywords in Marathi should be encouraged.

5. Dr. Sunita Jahirabadkar mentioned that though the syllabus and other facilities are equivalent in both the courses, at the same time it should be promoted that if a student really wants to complete his/her degree in Marathi medium, that is also encouraged.

08: Discussion on Credit transfer- through SWAYAM

1. Mrs. Archana Kadam presented the govt scheme where up to 40% of the credits can be earned through MOOC courses and opened the forum for discussion.
2. Dr. Abhijat Vichare commented that a college of the status of PCCoE does not require 40% MOOC courses to complete the credits. However, if some students miss a few courses due to internship, they can opt for equivalent MOOC courses to complete the credits.
3. Dr. Deepak Sharma shared his experience of how credit banking works in K J Somaiya College. Students can opt for semester long internships. During this semester, the students can complete their missed courses from equivalent MOOC platforms and earn the credits. Those credits are not considered in the CGPA calculation but it is considered as 'credits are earned by the student'.
4. Dr. Sunil B. Mane shared his experience about how it is done in COEP. Few MOOC courses are chosen and offered by the departments considering the equivalence of courses in a particular semester. Along with the certification exam by the offering agency, internal evaluation is also carried out with adjunct faculties. 70% weightage is given to marks obtained in certification and 30% weightage is given to marks obtained in internal evaluation. Final credits earned through these calculations are considered in CGPA calculation.


09: Vote of Thanks

1. Dr. Rajeswari thanked all the members for their inputs and said that the department will brainstorm about the same and will come out with a feasible solution.
2. Meeting ended with a vote of thanks by Dr. Rachana Patil.

Prepared by:

Dr. Reena Kharat

Dr. Rachana Patil


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