



PCCoE/CompI/2023-24/39

	Pimpri Chinchwad Education Trust's Pimpri Chinchwad College of Engineering	
---	---	---

Minutes of Meeting: 7th Board of Studies on 25th July 2023

Department: Computer Engineering

Academic Year: 2022-2023

Semester: II

Date: 25/07/2023

The Seventh meeting of the Board of Studies of the Department of Computer Engineering (PCCoE) was held on Tuesday 25/07/2023 at 11:00 am in online mode, using Google Meet Link <https://meet.google.com/dio-hjei-zti>.

The following members were present:

Sr. No	Name	Designation
1.	Dr. Venkateswasaran	Chief Information Officer, Persistent Systems, Pune.
2.	Dr. Madhavi Ajay Pradhan	Associate Professor, Department of Computer Engineering, All India Shivaji Memorial Society's College of Engineering, Pune.
3.	Dr. Sunil Mane	Associate Professor, College of Engineering, Pune.
4.	Dr. Ketan Kotecha	Director, Symbiosis Institute of Technology, Pune.
5.	Dr. Aamod Sane	Professor, Computer Science, Flames University, Pune.
6.	Dr. Sunita Jahirabadkar	Professor and Dean R&D, Department of Computer Engineering, Cummins College of Engineering for Women, Pune.
7.	Mr. Lokesh Katore	Quality Analyst, CITI, Pune.
8.	Mr. Rahul Kulkarni	Co-Founder DoNew Technologies, Pune
9.	Dr. K. Rajeswari	Professor & Head
10.	Dr. Sudeep Thepade	Professor, Dean Quality & PG Co-ordinator
11.	Dr. Swati Shinde	Professor & Dean R&D
12.	Dr. Reena Kharat	Associate Professor
13.	Dr. Rachana Patil	Associate Professor
14.	Dr. Srinivas Ambala	Associate Professor
15.	Dr. Mubin Tamboli	Associate Professor
16.	Dr. Pravin Game	Associate Professor

17.	Dr. Avinash Bhute	Associate Professor
18.	Mrs. Mahalakshmi Bodireddy	Assistant Professor
19.	Dr. Deepa Abin	Assistant Professor
20.	Mrs. Priya Surana	Assistant Professor
21.	Mrs. Harshada Mhaske	Assistant Professor
22.	Mr. Ganesh Deshmukh	Assistant Professor
23.	Mrs. Namrata Gawande	Assistant Professor
24.	Dr. Asmita Manna	Assistant Professor
25.	Mrs. Shruti Chaudhari	Assistant Professor
26.	Mrs. Dhanashree Patil	Assistant Professor
27.	Mrs. Mehzabin Pathan	Assistant Professor
28.	Ms. Rucha Shinde	Assistant Professor

Leave of absence was granted to following Members and Invitees:

1	Dr. Deepak Sharma	Professor & Head, Department of Computer Engineering, Vice Principal, KJSCE, Mumbai.
2	Dr. Aniruddha Joshi	Founder & CEO, Atreya Innovations Pvt. Ltd., Pune.
3	Dr. Abhijat Vichare	Research and Software Consultant, System Software, Pune.
4	Dr. S. S. Sambare	Subject Head - Computer Networks
5	Mr. Rahul Patil	Subject Head - Information Security
6	Mrs. Sushma Vispute	Subject Head - AI & Open Elective
7	Mrs. Archana Kadam	Subject Head - MOOC Courses
8	Mr. Anand Birajdar	Subject Head - Life Skill Courses
9	Ms. Anagha Chaudhari	Subject Head - Internship
10	Mr. Atul Pawar	Subject Head - Proficiency Courses

Agenda for the meeting: -

1. Welcome and Introduction of BoS Members
2. Confirmation of Last BoS Meeting held on 22nd May, 2023
3. Proposed Curriculum Structure as per NEP 2020
4. Proposed F.Y B.Tech Curriculum Structure and Syllabus for Computer Engineering and Computer Engineering (Regional Language)
5. Discussion on Multidisciplinary Minor offered by Computer Engineering Department
6. Discussion on Multidisciplinary Minor for Computer Engineering Department to be offered by other departments
7. Discussion on Exit Policy after First Year Engineering.
8. Any other related point
9. Vote of Thanks

BoS: 07: 01: Welcome and Introduction of BoS Members

On behalf of the Computer Engineering department, Dr. Rachana Patil welcomed all the external and internal BoS members and handed over to Dr. K. Rajeswari, HoD, Computer Engineering.

Dr. Rajeswari welcomed all members and elaborated on the National Education Policy 2020. Also she has explained the importance of NEP policy in our Curriculum Structure and how we are going to incorporate those in our Curriculum.

BoS: 07: 02: Confirm minutes of Last BoS meeting held on 22nd May 2023.

Dr. Rachana Patil presented the agenda of the sixth BoS meeting dated 22nd May 2023 and significant actions taken based on suggestions received by BoS members.

Resolution R-BoS: 07:02:

The BoS resolved to approve the minutes of the sixth meeting of the Board of Studies and actions taken thereafter.

BoS: 07: 03: Proposed Curriculum Structure as per NEP 2020

Dr. Rachana Patil presented the proposed curriculum structure as per NEP 2020. She started with the comparison of credit distribution as per the existing curriculum and new curriculum.

The existing structure is of 161 credits comprised of

- Basic Science Courses of 23 credits
- Engineering Core/ Science Course (ECC) of 22 credits
- Humanities, Social Sciences and Management Course (HSMC) of 13 credits
- Professional Core Course (PCC) of 48 credits
- Professional Elective Course (PEC) of 18 credits
- Open Elective Course (OEC) of 18 credits
- Project (PROJ) courses of 14 credits
- Internship (INTR) courses of 3 credits
- Audit Course (AC) of 0 credits
- Mandatory Course (MC) of 0 credits
- Life Skill (LS) courses of 0 credits
- Proficiency Course (PFC) 0 credits.

The new curriculum will be of 160 credits comprised of

- Basic Science Course (BSC) of 14 credits
- Engineering Science Course (ESC) of 12 credits
- Programme Core Course (PCC) of 44 credits
- Programme Elective Course (PEC) of 20 credits
- Multidisciplinary Minor (MDM) of 14 credits
- Open Elective (OEC) of 8 credits
- Vocational and Skill Enhancement Course (VSEC) of 8 credits
- Ability Enhancement Course (AEC) of 4 credits
- Entrepreneurship/ Economics/ Management Course (HSSM) of 4 credits
- Indian Knowledge System (IKS) of 2 credits
- Value Education Course (VEC) of 4 credits
- Research Methodology (RM) of 4 Credits
- Community Engineering Project (CEP) Field Project (FP) of 2 credits
- Internship (OJT) of 12 credits
- Co-curricular Courses (CC) of 4 credits

The curriculum has been designed as per the GR received in July 2023. The only deviation is AES and IKS have been swapped. As per the NEP guidelines. Basic Science

Course (BSC) , Ability Enhancement Course (AEC) and Co-Curricular Courses (CC) will be designed by the Applied Science and Humanity Department. Whereas Engineering Science Course (ESC), Programme Core Course (PCC) and Vocational and Skill Enhancement Course (VSEC) will be designed by the Computer Department. She opened the forum for the opinions of the BoS members and further discussion.

Discussions:

1. All BoS members welcomed the decision of implementing NEP

Resolution R-BoS:07:03:

BoS members approved the syllabus structure.

BoS: 07: 04: Proposed F.Y B.Tech Curriculum Structure and Syllabus for Computer Engineering and Computer Engineering (Regional Language)

Dr. Rachana Patil presented the syllabus structure of first and second semester as follows:

1st semester: Object oriented Programming(ESC), Digital Electronics and Computer Organization(ESC), Digital Electronics and Computer Organization Lab(ESC), and Computer Programming and Problem Solving Lab(VSEC)

2nd semester: Basics of Data Structure(ESC), Basics of Data Structure Lab(ESC), Discrete Mathematics(PCC), Python(VSEC).

Discussions:

1. Dr. Venkateswaran questioned how to teach Object Oriented Programming to the students who are not exposed to programming.
2. Mr. Rahul Kulkarni seconded that. He suggested that a bridge course/ boot-camp for the same can be arranged for the students experiencing programming for the first time.
3. Dr. K. Rajeswari has commented that the department is ready to provide hand holding to the students who require any additional knowledge.
4. Dr. Aamod Sane commented that in western countries, some people are in favor of starting with Object Oriented Approaches that are more similar to the real world. Therefore, starting with OOP is fine. But it is always questionable whether that is useful in our context. And also advised to use credits for Sem-I efficiently.
5. Dr. Madhavi Pradhan suggested keeping a tutorial on basic programming to make students more aware about programming.
6. Dr. Sunil Mane suggested removing Chemistry, if possible. He also raised a concern how CPPS can be treated as a vocational course. Instead, it can be made an engineering science course and some html-css courses/ web-development courses can be kept as a vocational course.
7. Dr. K. Rajeswari has commented that CPPS will strengthen the problem solving ability and basic knowledge of programming so it can be considered as Vocational Course. Also for exit policy there are additional 8 credits which need to be acquired by students which will make them employable.
8. Dr. Aamod Sane suggested that Computational Physics and Computational Chemistry be introduced instead of traditional Physics and Chemistry courses.

Resolution R-BoS:07:04:

1. It was resolved that as per the opinions of the BoS members, the department will change the proposed courses. Following is the final structure after the modifications :

1st semester: Computer Programming and Problem Solving (ESC), Digital Electronics and Computer Organization(ESC), Digital Electronics and Computer Organization Lab(ESC), and Computer Programming and Problem Solving Lab I (VSEC)

2nd semester: Object Oriented Programming (ESC), Object oriented Programming Laboratory (ESC), Discrete Mathematics(PCC), Computer Programming and Problem Solving Lab II (VSEC)

2. Department will design the courses and send it to BoS members for their perusal.

BoS: 07: 05: Discussion on Multidisciplinary Minor offered by Computer Engineering Department

Dr. Rachana Patil presented the Multidisciplinary Minors (MDM) offered by the Computer Engineering Department. There are Compulsory Multidisciplinary Minor Courses of 14 Credits. The Minor courses may be from the different disciplines of the Engineering faculty, or those can be from different faculty altogether. Three Buckets were proposed: Machine Intelligence, Computer Fundamentals, Big Data Analytics, and Cyber Security.

She also showed sample courses for all six semesters for the Cyber Security MDM Discipline.

Discussions:

1. Mr. Rahul Kulkarni suggested to add more buckets: Embedded Systems, Quantum Computing and Computer Graphics.
2. Dr. Madhavi Pradhan suggested to add computer vision as a bucket. She also suggested that instead of so many buckets, the department can choose any three buckets and offer that.
3. Dr. K. Rajeswari agreed on the above mentioned point of adding Computer Vision as a bucket.
4. Dr. Ketan Kotecha suggested that the minor buckets may be of multidisciplinary courses. It should be like a combination of Finance + technology, Healthcare + technology etc.
5. Dr. Sunil Mane seconded that. He said that the multi-disciplinary courses should be on a lighter side.
6. Dr. Venkateswaran suggested that the courses should gel well with other department courses. The prerequisites should be clear enough.

Resolution R-BoS:07:05:

It is resolved that the department will add "Computer Visions" as a bucket. The complete structure, and syllabus will be presented in the next Board of Studies meeting for approval.

BoS: 07: 06: Discussion on Multidisciplinary Minor for Computer Engineering Department to be offered by other departments

Dr. Rachana Patil presented the MDM course which is being offered by other departments for computer engineering students. She also mentioned that these courses are not finalized yet, subject to approval of the BoS of other departments. However, she sought the opinions of BoS members on which MDM the department should ask for.

Discussions:

1. Dr. Venkateswaran suggested that Cyber Physical Systems and Psychology do not seem to be a six-semester course. Instead those can be a course of minor. Those can be discarded.
2. Dr. Sunita Jahirabhadkar suggested some courses on collecting data from various sensors, devices etc. She suggested a course on Embedded Systems.
3. Mr. Rahul Kulkarni seconded her- he suggested Mechatronics.
4. Dr. Sunil Mane suggested to ask EnTC department to offer IoT, and the Mechanical department to offer Robotics.
5. Dr. Venkateswaran suggested that subjects like Mobile Computing/ Network Technology etc. can be asked for.

Resolution R-BoS:07:06:

It is resolved that the department will ask for Health Sciences, Finance, Statistical Mathematics and Entrepreneurship as MDM from other departments. The complete structure, and syllabus will be presented in the next Board of Studies meeting.

BoS: 07: 07: Discussion on Exit Policy after First Year Engineering.

Dr. Rachana Patil presented the Exit Policy as required in NEP 2020. As per the NEP 2020, any student can exit the institute after completing the first year of engineering and come back later to continue further studies. If one student choose to exit after the first year of engineering, (s)he will be provided with a UG Certificate in Computer Engineering, if someone leaves after the second year of engineering, (s)he will be provided with UG Diploma in Computer Engineering, if someone exits after third year of engineering, (s)he will be provided with a B.Voc degree and if someone completes all four years of engineering, (s)he will be awarded the B. Tech degree. The credits completed by the student will securely be stored in the Academic Bank of Credit.

If some student wants to leave after the first year, (s)he should acquire 40 credits and in addition to that (s)he has to secure eight credits more in work-based vocational courses or internship or apprenticeship.

She opened the forum for further discussion on eight credit extra courses.

Discussions:

1. Dr. Sunil Mane suggested that courses like “Web Development”, “Android Development”, “Server-Side Programming”, some practical network related courses etc. This will help them to get a job as a support engineer.
2. All other BoS members commented that the courses should be offered as per the industry-expectations.
3. They also proposed that department should float appropriate bridge courses when some one is re-entering the program for further studies.

Resolution R-BoS:07:07:

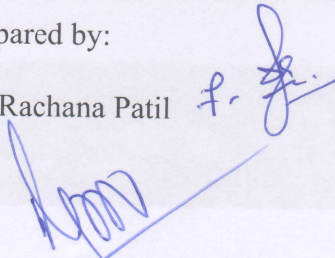
It is resolved that further discussions will be held among the PAC members for finalizing the courses.

BoS: 07: 08: Vote of Thanks:

Dr. Rachana Patil thanked all the BoS members for their valuable time and suggestions.

Prepared by:

Dr. Rachana Patil


Dr. K. Rajeswari
Chairman & Head,
Department of Computer Engineering,
PCCoE, Pune.

Screenshots of the Online BoS Meeting:

Rachana Patil (Presenting)

Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering

Department of Computer Engineering

Welcomes All Honourable Members
"Seventh BoS Meeting"

25th July 2023

11:01 AM | dio-hjei-zti

Participants: Kannan Rajeshwar, Dr Ketan Kotcha, Ramnathan Venka..., Rahul Kulkarni, Rachana Patil, Iokesh katore, Aamod Sane, 14 others, RUCHA SHINDE

Meeting controls: Mute, Video, Chat, Screen Share, Hand Raise, More, End Meeting

Rachana Patil (Presenting)

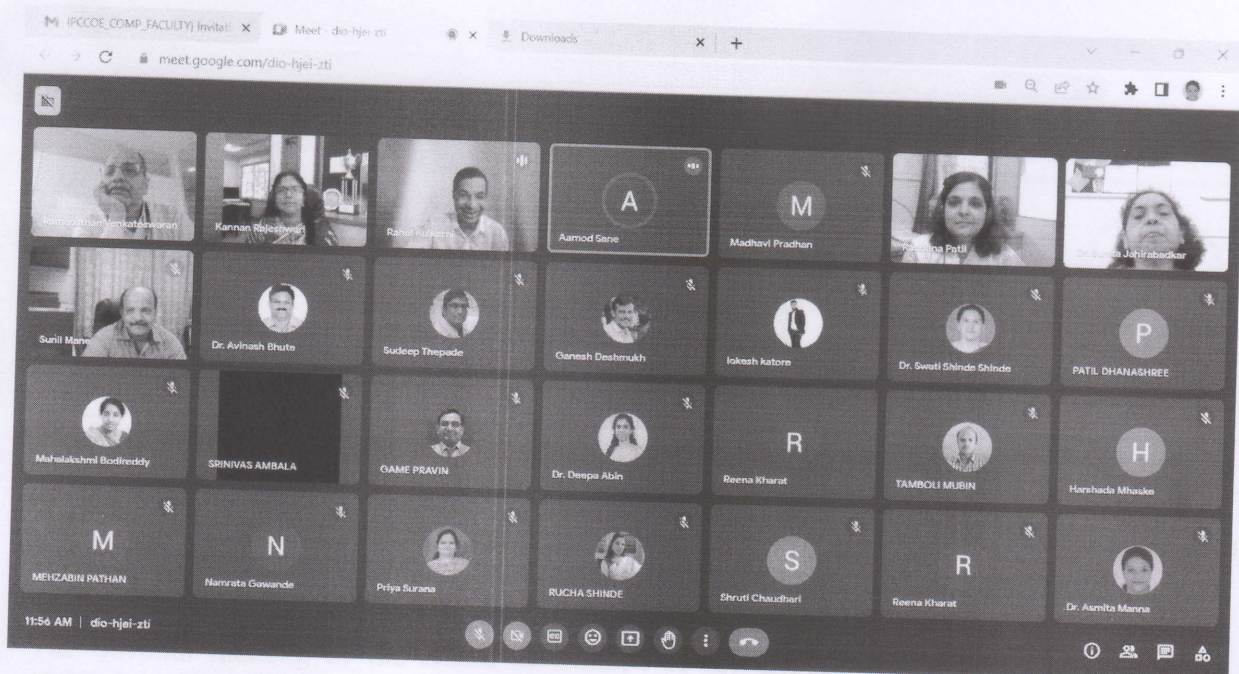
Agenda of Seventh BoS Meeting

1. Proposed Curriculum Structure as per NEP 2020
2. Proposed F.Y B.Tech Curriculum Structure and Syllabus for Computer Engineering and Computer Engineering (Regional Language)
3. Discussion on Multidisciplinary Minor (MDM) offered by Computer Engineering Department
4. Discussion on Multidisciplinary Minor (MDM) for Computer Engineering Department to be offered by other departments
5. Discussion on Exit Policy after First Year Engineering.

11:06 AM | dio-hjei-zti

Participants: Kannan Rajeshwar, Dr. Avinash Bhute, Ramnathan Venka..., Rahul Kulkarni, Rachana Patil, Ganesh Deshmukh, Sunil Mane, 18 others, RUCHA SHINDE

Meeting controls: Mute, Video, Chat, Screen Share, Hand Raise, More, End Meeting



(PCCoE) was held on Tuesday 23rd Feb 2023 at 11:56 am in online mode using Google Meet Link <https://meet.google.com/dio-hjei-zti>

The following members were present:

Sr. No	Name	Designation
1.	Dr. Venkateswararao	Chief Information Officer, Persistent Systems, Pune.
2.	Dr. Madhavi Anny Pradhan	Associate Professor, Department of Computer Engineering, Air India Shriyani Memorial Society's College of Engineering, Pune.
3.	Dr. Sunil Mane	Associate Professor, College of Engineering, Pune.
4.	Dr. Katar Kotecha	Director, Symposia Institute of Technology, Pune.
5.	Dr. Aamod Sane	Professor, Computer Science, Flames University, Pune.
6.	Dr. Sanita Jahirabdkar	Professor and Dean R&D, Department of Computer Engineering, Carmel's College of Engineering for Women, Pune.
7.	Mr. Lokesh Katore	Quality Analyst, CITL, Pune.
8.	Mr. Rahul Kulkarni	Co-Founder, DoNew Technologies, Pune
9.	Dr. K. Rajeswari	Professor & Head
10.	Dr. Sudeep Thepade	Professor, Dean Quality & PG Co-ordinator
11.	Dr. Swati Shinde	Professor & Dean R&D
12.	Dr. Reena Kharat	Associate Professor
13.	Dr. Richana Patil	Associate Professor
14.	Dr. Srinivas Ambala	Associate Professor
15.	Dr. Mubin Tamboli	Associate Professor
16.	Dr. Pravin Gade	Associate Professor