



PimpriChinchwad Education Trust's
Pimpri Chinchwad College of Engineering
Sector No. 26, Pradhikaran,
Nigdi, Pune – 411 044



Minutes of Meeting : 4th Academic Council on 17th November 2021

The **Fourth meeting of the Academic Council** of Pimpri Chinchwad College of Engineering (PCCoE) was held on **17th November 2021** at **10 A.M.** at the Fourth Floor Auditorium, Administration Building, PCCoE Pune.

Following Members were present:

Sr. No.	Name	Designation
1	Dr. Govind N. Kulkarni	Director, PCCoE
2	Dr. Aditya Abhyankar	Professor and Head, Department of Technology, SPPU
3	Dr. Bhalchandra Puiari	Professor, Centre for Modelling and Simulation, SPPU
4	Dr. Shireesh B. Kedare	Professor, Department of Energy Science & Engineering, IIT Bombay
5	Dr. Avinash Pant	Former Principal, Government College of Engineering, Awasari
6	Dr. Mrs. Madhuri Khambete	Principal, Cummins College of Engineering, Pune
7	Dr. S.L.Patil	Dean Alumni & International Affairs, COEP, Pune
8	Mr. Nitin Aggarwal	Industry Expert, Pune
9	Mr. Hemant Gadgil	Executive Director-Dassault Systems Foundation, India
10	Mr. Siddharth Vasudevan Moorthy	Managing Director, Vascom Engineers Ltd., Pune
11	Dr. N. B. Chopade	Deputy Director, Professor, E&TC Engineering
12	Dr. S. T. Mali	HoD, Civil Engineering
13	Dr. Mrs. K. Rajeswari	HoD, Computer Engineering & In-charge HoD Computer Engineering (Marathi)
14	Dr. Mrs. S. D. Patil	HoD, Information Technology & In-charge HoD Computer Science Engineering (AIML)
15	Dr. P. A. Deshmukh	HoD, Mechanical Engineering
16	Dr. Mrs. S. S. Sonar	HOD-Applied Sciences & Humanities
17	Mrs. A. R. Arakerimath	HOD-MCA
18	Dr. Umesh Potdar	Incharge HoD, B.Voc.
19	Dr. Mrs. S. V. Shinde	Dear Research and Innovation, Ladies representation, Professor, Computer Engineering
20	Dr. D. S. Lal	Assistant Professor, Civil Engineering
21	Dr. Mrs. S. U. Bhandari	Dean Academics, Member Secretary
22	Dr. N. Vivekanandan	Associate Dean-Academics, Associate Member Secretary

Following Permanent Invitees were present:

Sr. No.	Name	Designation
23	Dr. G. M. Desai	Executive-Director, PCET
24	Dr. S. A. Rawandale	Dean-Industry Institute Interaction
25	Dr. S. D. Thepade	Dean-Quality Assurance
26	Dr. P. R. Kale	Dean-Student Development
27	Dr. Mrs. A. D. Thakare	Dean-International Relations
28	Dr. N. R. Deore	Professor and Associate Dean-III
29	Dr. K. S. Kinage	Professor, Electronics & Telecommunication Engg.
30	Dr. S. L. Tade	Controller of Examination
31	Mr. B. M. Thorat	Librarian

Leave of absence was granted to following Members and invitees:

Sr. No.	Name	Designation
32	Dr. Avinash Kumbhar (Member)	Professor, Chemistry Department, SPPU
33	Mr. Sachin Itkar (Member)	Senior Programme Advisor, Strategic Foresight Group
34	Dr. M. T. Kolte (Member)	HoD, Electronics & Telecommunication Engg.
35	Dr. Mrs. Leena Sharma (Member)	Associate Professor, Department of Applied Science and Humanities
36	Mr. P. S. Patil (Invitee)	Registrar

Agenda for the meeting was as follows:

1. Statutory matters

- A. To confirm Minutes of last AC Meeting (Dated: 23/07/2021)
- B. To consider action taken report

2. To receive nominations on BoS

- A. Computer Engineering (Marathi)
- B. Computer Science and Engineering (AI&ML)
- C. B. Voc- 4 Programs

3. Academic and Examination Rules and Regulations for Honors and Minors and other minor updates.

4. FY SEM-II (2020-21) Results, Ordinances.

5. Syllabus:

- A. Honors and Minors Programs
- B. Minor changes in FY B. Tech, FY M. Tech MCA syllabus and CIE tools
- C. Internship and Project Guidelines

6. B Voc programs:

- A. Structure of Four Programs
- B. First Year Syllabus of Four Programs
- C. Implementation strategy for B. Voc.

7. Academic Calendar for FY B. Tech, M. Tech and MCA (2021- 22)

8. Academic and Assessment Reforms

- A. Relative Grading
- B. Number of examinations
- C. Special Batch targeting higher package companies
- D. Introducing "Story Telling" as elective
- E. Framework for Interdisciplinary project

9. Any other point with permission of the chair

Dr. S. U. Bhandari welcomed all the members for the fourth Academic Council Meeting. She introduced the following new members:

1. Dr. U. G. Potdar – In-charge Head B.Voc.,
2. Dr. S. L. Tade – Controller of Examination,
3. Dr. N. Vivekanandan - Associate Dean-Academics, Associate Member Secretary,
4. Dr. K. Rajeswari – In-charge Head of Computer Engineering (Marthi) and
5. Dr. Mrs. S. D. Patil – In-charge Head of Computer Science and Engineering (AI&ML).

Dr. S. U. Bhandari thanked the earlier members for their contributions

1. Dr. Mrs. Anindita Roy - Associate Dean-Academics, Associate Member Secretary-AC
2. Mr. S. K. Bhoite - Controller of Examination.

Item 1

AC: 04: 01 (A) To confirm Minutes of last AC Meeting (dated: 23/07/2021)

The minutes of the third Academic Council meeting dated 23rd July 2021, which were shared previously with the members, were tabled during the meeting for conformation and approval as in **Annexure - I**.

Resolution R-AC: 04:01 (A): The council resolved to approve the minutes of the third meeting of the Academic Council.

AC: 04: 01 (B) To consider action taken report

The action taken on the points suggested in the earlier Academic Council meeting/s was presented to the council as attached in **Annexure – II. Suggestion was sought regarding Eligibility criteria for Honors and Minors courses.**

Discussions:

Dr. Kedare suggested for top 15% of students from each branch to be eligible for selecting Honors course. Dr. Pant suggested for a minimum CGPA of 8 to be eligible for selecting Honors course. Dr. S. A. Rawandale requested to keep it at 7.5 as many students are taking admissions due to this feature of Autonomy at PCCoE. It was also suggested that for Minors like Entrepreneurship it should be relaxed/set at lower value.

It was suggested by Dr. G. N. Kulkarni that a comprehensive study of branch wise No. of eligible students, No. of Honors and Minors offered by Departments, Min./Max student strength in each program, need/availability of resources (faculty/time/labs) can be considered in defining Enrolment criteria and rules for Honors and Minors. **It was decided to present a detailed study in Next meeting and seek approval there.**

Resolution R-AC: 04: 01(B):

The Council agreed to approve Action taken report except Point1 regarding Eligibility criteria for Honors and Minors courses.

Item 2

AC: 04: 02 (A) To receive nominations on BoS - Computer Engineering (Marathi)

Dr. Mrs. K. Rajeswari presented the list of experts seeking nominations for Computer Engineering (Marathi) as in **Annexure - III.**

Discussions:

Dr. Pujari suggested the name of Mr. Amol Sane from FLAME University. Mr. Gadil suggested that School teachers who are teaching Computer science in Marathi medium school to students in High school may be considered as invited members. It was suggested to include Mr. Atul Kahate and Mr. Abhijat Vichare as permanent invitees in the BoS based on their availability.

Dr. Khambete suggested having the same BoS of Computer Engineering for Computer Engineering Marathi also. It was supported by Dr. Pant and other members if it is allowed according to norms.

Dr. Kedare urged for training of the faculty in Computer Engineering (Marathi)

Resolution R-AC: 04:02 (A)

The Council resolved to continue same BoS for Computer Engineering (Marathi) as of BoS of Computer Engineering with added experts as permanent members after verifying applicable norms.

AC: 04: 02 (B) To receive nominations on BoS- Computer Science and Engineering (AIML)

Dr. Mrs. S. D. Patil presented the list of experts (outside parent university) seeking nominations for BoS Computer Science and Engineering- Artificial Intelligence and Machine Learning (AI&ML) as in **Annexure – IV**.

Discussion:

Dr. Yogesh Deshpande , Professor & Director – VU Digital, Vishwakarma University, Pune and Dr. Sudhir N. Dhage Professor, Department of Computer Engineering, Sardar Patel Institute of Technology, Mumbai were recommended by the members. Mr. Hemant Gadgil informed that he will provide International expert name from AIML who may be included as invited member.

Resolution R-AC: 04:02 (B)

The council nominated Dr. Yogesh Deshpande , Professor & Director – VU Digital, Vishwakarma University, Pune and Dr. Sudhir N. Dhage Professor, Department of Computer Engineering, Sardar Patel Institute of Technology, Mumbai as the members of BoS

AC: 04: 02 (C) To receive nominations on BoS- B.Voc.

Dr. U. G. Potdar presented the list of experts for nominations for 4 B. Voc programs namely Internet of Things, Industrial Refrigeration & Air Conditioning, Mechatronics Engineering and Solar Systems as in **Annexure – V**.

Resolution R-AC: 04:02 (C)

The council nominated following members as BoS members for the 4 B. Voc. programs

B.Voc Program	Recommended BoS members
Internet of Things	1. Dr. Sanjeev J. Wagh, Professor & HoD, Government College of Engineering, Karad. 2. Dr. Amiya Tripathy Professor, Don Bosco Institute of Technology, Mumbai .
Industrial Refrigeration &	1. Dr. Virendra K. Bhojwani Professor, Associate Dean Research & Consultancy, Department of

Air Conditioning	Mechanical Engineering, MIT ADT, Loni Kalbhor, Pune. 2. Dr. Sharad D Patil Associate Professor, Department of Mechanical Engineering, RIT, Islampur.
Mechatronics Engineering	1. Mr. Ashwinkumar Mahindrakar Asst. Professor, MIT school of Engineering, MITADT University, Pune. 2. Dr. Suhas P. Deshmukh. Associate Professor, Government College of Engineering, Karad.
Solar Systems	1. Dr. Kashinath Patil, Dean R&D, K. J. Sommayya College of Engineering, Mumbai. 2. Dr. Ashish Panchal, Professor, Department of Electrical Engg., SVNIT Surat.

Item 3

AC: 04: 03 Academic and Examination Rules and Regulations for Honors and Minors (as in Annexure - VI) and other minor updates (as in Annexure – VII)

Dr. S. L. Tade presented the Academic and Examination Rules and Regulations for Honors and Minors and other minor updates.

Discussion:

Dr. Kedare suggested renaming Core Engineering as Parent Engineering in Rule 1.3. It was also suggested having minimum B grade for passing the Honors course but Mr. Hemant Gadgil and Dr. S. L. Patil suggested to retain min. pass grade for the Honors course for initial period.

Mr. Moorthy suggested nomenclature as “B. Tech in Civil Engineering with specialization in Metro systems”. Dr. Abhyankar added that SPPU is deciding on Honors/Minors and can be considered therein.

It was suggested to give a year for students to pass/clear courses instead of compulsory passing in a given semester.

Resolution R-AC: 04:03

- (i) The council resolved to approve the Academic and examination rules and regulations for and Minors and other minor updates with incorporating suggestions. (Except eligibility criteria as mentioned in Resolution R-AC: 04:01(B))
- (ii) The Council resolved to approve Updated Grade Table, changed criteria for Branch change and other minor changes in Academic and examination rules and regulations.

Item 4

AC: 04: 04 FY SEM-II (2020-21) Results, Ordinances

Dr.Sunil Tade presented the FY SEM-II (2020-21) Results and Ordinances (as in Annexure – VIII)

Discussion:

Mr. Aggarwal suggested analyzing the significance of B+ grade in the result analysis. Dr. Pujari suggested for studying “skewing of the result”. Cases of malpractice identification and probable measures were also discussed.

Resolution R-AC: 04:04

The council resolved to approve the FY SEM-II (2020-21) Results and Ordinances presented.

Item 5

AC: 04: 05 (A) Syllabus: Honors and Minors Programs

The structure and detailed syllabus of 16 Honors and Minor programs designed by five Engineering programs (as attached in Annexure – IX) that were circulated in prior was discussed. The list of programs is as below:

Program Details			Applicable to students from the Departments				
Sr. No.	Name of the Program	Offered by	Civil	Mechanical	E&TC	Computer	IT
1	Metro Transportation System	Civil	<u>Honor</u>	NA	NA	NA	NA
2	Sustainable Waste Management for Smart Cities	Civil	NA	Minor	Minor	Minor	Minor
3	System Engineering	Mechanical	NA	<u>Honor</u>	NA	NA	NA
4	Electrical Vehicle & Technology	Mechanical	NA	<u>Honor</u>	NA	NA	NA
5	Product Design & Development	Mechanical	Minor	NA	Minor	Minor	Minor
6	Reliability & Maintainability Engineering	Mechanical	Minor	NA	Minor	Minor	Minor
7	Entrepreneurship Development	Mechanical	Minor	Minor	Minor	Minor	Minor
8	Data Informatics	E&TC	NA	NA	<u>Honor</u>	NA	<u>Honor</u>

9	Electric Vehicle technology	E&TC	NA	NA	<u>Honor</u>	NA	NA
10	Robotics	E&TC	Minor	Minor	NA	Minor	Minor
11	Deep Learning	Computer	NA	NA	NA	<u>Honor</u>	NA
12	Cyber Security	Computer	NA	NA	NA	<u>Honor</u>	NA
13	Data Science	Computer	Minor	Minor	Minor	NA	Minor
14	Advanced Web Development (AICTE LITE program)	Computer	Minor	Minor	Minor	Minor	Minor
15	Blockchain Technology	IT	NA	NA	<u>Honor</u>	<u>Honor</u>	<u>Honor</u>
16	Software Development	IT	Minor	Minor	Minor	NA	NA

Discussion:

Dr. Mrs. S. U. Bhandari summarized that a uniform policy of marks and credits is followed across institute for Honors and Minors (600 Marks and 20 Credits). Though the Honors means program from parent department, circuit branches (Computer, E&TC and IT) have floated few honors among this group.

She further highlighted about minor programs "AICTE-LITE" (to be run by Department of Computer Engineering) and "Entrepreneurship" (to be run by Department of Mechanical Engineering) will be treated as Minor program for Computer and Mechanical Engineering students respectively as well. "AICTE-LITE" will be the only paid course and will start in the Second year of Engineering.

Dr. Pant raised a concern about the execution of two projects at the same time, one for the Honors course and one major regular project. Dr. Pujari also commented that as 5 credits are allocated to project of Honors and 14 credits to the major project, the level of the project in Honors should be limited. Dr. Pant suggested having the project in Honors course as the extended work of the major project. Dr. Kedare suggested that the Project in honors should be an individual project. Dr. G. N Kulkarni recommended for having a clear guidelines for the scope of Project and Seminar in Honors and Major project and Seminar of B. Tech.

Dr. Kedare pointed out that the number of credits for the programs presented by E&TC Department is 18 instead of 20. It was decided to have uniform 20 credits policy hence recommended to refer back to BoS-E&TC for restructuring to 20 credits

Resolution R-AC: 04:05 (A)

The Council resolved to approve 16 Honors and Minor programs of Engineering departments after including suggestions about project/seminar and uniform 20 credit pattern.

AC: 04: 05 (B) Minor changes in FY B. Tech, FY M. Tech MCA syllabus

Dr. Mrs. S. U. Bhandari briefed about minor changes (as attached in **Annexure – X**) 7 FY B. Tech, 6 FY M. Tech and FY MCA syllabus as applicable was presented in the meeting.

Resolution R-AC: 04:05 (B)

The council resolved to approve the Minor changes presented in FY B. Tech, FY M. Tech and FY MCA syllabus.

AC: 04: 05 (C) Internship and Project Guidelines

The B. Tech Internship and Project guidelines were presented (as attached in **Annexure – XI**) by five Engineering departments.

Resolution R-AC: 04:05 (C)

The Council resolved to approve “Internship and Project guidelines” presented by Civil, Mechanical, E&TC, Computer and IT Departments.

Item 6

AC: 04: 06 (A) B Voc programs: Structure of Four Programs

Dr. U. G. Potdar presented the structure of the four B.Voc Programs (as attached in **Annexure – XII**). He further mentioned that the structure is kept unified for all 4 programs with 180 credits spread over 6 semesters having appropriate balance of different types of courses, mini-major projects considering multiple exit. AICTE, NSQF and SPPU guidelines are considered while making the structure

Discussion:

Dr. Pant suggested defining Type A in the eligibility of students as per the NSQF guidelines clearly. He also recommended having tie-up with as many industries as possible for each course. The point was well supported by Mr. Gadgil too. Dr. Mrs. Khambete felt that 48 hours per week is more. Dr. Umesh Potdar clarified that the students will be spending time in Industry too. Mr. Gadgil stressed that On-site working should be made compulsory. Dr. Abhyankar urged to include Term work or/and Practical and formative assessment methods where ever possible in the structure.

Dr. Mrs. S. U. Bhandari mentioned that the BoS of all 4 B. Voc. programs is in the making. Hence recommendation of respective BoS is not taken yet.

Dr. Abhyankar suggested to induct experts of Applied Sciences & Humanities on board to address need of such subjects.

Resolution R-AC: 04:06 (A)

The Council resolved to approve the structure of all the four B.Voc Program (Internet of Things, Industrial Refrigeration & Air Conditioning, Mechatronics Engineering and Solar Systems) on circulation after receiving recommendation of respective BoS.

AC: 04: 06 (B) B Voc programs: First Year Syllabus of Four Programs

Dr.Umesh Potdar presented the First Year Syllabus of Four Programs B.Voc Programs (as attached in Annexure – XIII).

Resolution R-AC: 04:06 (B)

The Council resolved to approve the First Year syllabus of all the four B.Voc Program (Internet of Things, Industrial Refrigeration & Air Conditioning, Mechatronics Engineering and Solar Systems) on circulation after receiving recommendation of respective BoS.

AC: 04: 06 (C) B Voc programs: Implementation strategy for B. Voc Programs

Dr.Umesh Potdar presented the Implementation strategy for B. Voc Programs.

Discussion:

Mr. Gadgil suggested to have a link of good companies for placement as they are 10+2 completed students. He also recommended having start-up companies too in the list. Dr.Kedare suggested training program for the teachers. Dr. Patil suggested to have clarity on Branch change possibilities. It was also discussed to have clear guidelines about on-site working which includes process of selection of company, continuing/change in company etc.

Resolution R-AC: 04:06 (C)

The Council recommended preparing “Guideline/Rules and Regulations document” for clarity of implementation.

Item 7

AC: 04: 07 Academic Calendar for FY B. Tech, M. Tech and MCA (2021- 22)

Dr. Mrs. S. U. Bhandari presented the Academic Calendar for FY B. Tech, M. Tech and MCA (2021- 22). (as attached in Annexure – XVI).

Resolution R-AC: 04:07

The Council resolved to approve the Academic Calendar for FY B. Tech, M. Tech and FY MCA (2021- 22) with flexibility required in view of prevailing guidelines of offline working post covid-19.

Item 8

AC: 04: 08 (A) Academic and Assessment Reforms: Relative Grading

Dr. G. N. Kulkarni presented the initiative taken by the institute in training and creating awareness about Relative grading amongst the faculty. In order to have more maturity about the understanding of Relative grading amongst faculty Dr. G. N. Kulkarni proposed for the implementation of Relative grading for the next batch from Academic Year 2022-23.

Resolution R-AC: 04:08 (A)

As per the request the Council resolved to approve the implementation of Relative grading from Academic Year 2022-23.

AC: 04: 08 (B) Academic and Assessment Reforms: Number of examinations

Dr. G. N. Kulkarni presented the current exam scheme/pattern and expressed his concern about the number of examinations, time spent on existing exams and the number of attempts a student has in an Academic Year. Dr. G. N. Kulkarni requested for suggestions.

Discussion:

Dr. Mrs. Khambete proposed to have just one re-exam/summer exam once in a year (i.e. at the end of Academic Year). Dr. S. A. Rawandale raised a concern regarding the placement of students with live backlog at the mid of the year. Dr. Kedare advised to conduct re-exam for genuine cases (Medical, Death of immediate relative etc. as mentioned in 8.1.1-iv in B. Tech R&R) immediately after exam as such students are prepared but could not give exam due to genuine reasons. It was also mentioned that year end re-exam/summer exam will improve the standards of Academic and Industry perception towards the institute.

Resolution R-AC: 04:08 (B)

The Council resolved to approve following Examination pattern only for FY and SY in A.Y. 2021-22. The results of FY and SY of 2021-22 will be studied to define Examination pattern for coming years.

1. ETE-SEM-I
2. Re-Exam-SEM-I for genuine cases (. as mentioned in 8.1.1-iv in B. Tech R&R) only and (Not for fail students of SEM-I)
3. ETE-SEM-II
4. Re-Exam-SEM-II for genuine cases (. as mentioned in 8.1.1-iv in B. Tech R&R) only and (Not for fail students of SEM-II)
5. Summer Exam for all fail students of SEM-I and SEM-II (it should not be treated as summer term which involves re-registration, academic delivery and CIE)

AC: 04: 08 (C) Academic and Assessment Reforms: Special Batch targeting higher package companies

AC: 04: 08 (D) Academic and Assessment Reforms: Introducing "Story Telling" as elective

AC: 04: 08 (E) Academic and Assessment Reforms: Special Batch targeting higher package companies

It was decided to discuss the points AC: 04: 08 (C) , AC: 04: 08 (D) and AC: 04: 08 (E) in the next Academic council meeting

Item 9

AC: 04: 09 Any other point with permission of the chair

- (i) Dr. G. N. Kulkarni raised his concern and sought advice regarding ensuring the quality of question bank.

Discussion:

Dr. Pujari suggested distributing the set of questions to a set of students and checking for normal distribution of the marks obtained by the students. If the curve is normally distributed without skew, we may accept the quality of question bank. Dr. Abhyankar commented that this is possible only after execution. He suggested, peer reviews among the faculty members to ensure the quality of question bank and was accepted by others.

- (ii) Dr. G. N. Kulkarni put forth his worry about the students joining off line academic session after a long gap of online sessions. He raised a point for discussion on how to make the students adapt to offline education when they come to the campus.

Discussion:


Mr. Gadgil suggested to have planned systematic induction program for the students. Mr. Pant also added that co-curricular activities may be arranged for the students.

The meeting ended with the Vote of thanks.

Prepared by

Dr. N. Vivekanandan –Associate Member Secretary-Academic Council, PCCoE

Dr. Sheetal.U. Bhandari, Member Secretary –Academic Council, PCCoE


Dr. Govind N. Kulkarni
Director, PCCoE,
Chairman- Academic Council

