



Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering (PCCoE)

Academic and Administrative Audit

Academic Year(s) -2021-22

Date: 30 /01/2022

1	Autonomy Status by UGC	Autonomy received : 2020-21 to 2029-30 by UGC (No.F.22-1/2017(AC) dated 15/07/2020)
2	Accreditation:	
	NAAC	Cycle-1: 'A' GRADE (3.20) valid till 26 November 2022
	NBA	National Board of Accreditation (NBA) Accreditation for Mechanical Engineering, Computer Engineering, E&TC Engineering valid upto 30/06/2022 (Accreditation extended for next three years through compliance)
3	IQAC Established	21 st November 2016
4	Status of AQAR 2021-22	Submitted and approved 20 February 2023
5	Academic Programs:	
	Number of Programs during the year (Give names of courses):	UG (7 Programs) - Civil Engineering - Computer Engineering - E &TC Engineering - Mechanical Engineering - Information Technology - Computer Engineering (Regional Language) - Computer Science and Engineering (Artificial Intelligence and Machine Learning) PG (7 Programs) - Computer Engineering - VLSI and Embedded Systems - Heat Power Engineering - Mechanical Engineering Design - Construction Management - Information Technology - Masters in Computer Applications PhD Programs: - Computer Engineering - E &TC Engineering - Mechanical Engineering
6	Faculty and Students Information	
	Students Information:	Total Intake : 3528 Total Admission (FY): 973 Total number of students during the year: 4151 Number of outgoing / final year students during the year: 974
	Faculty Information:	Number of full-time teachers during the year : 227 Total faculty with PhD: 105
	Average : SFR	18.28

	Faculty Appraisal	The institution has adopted a parametric format for the appraisal of performance, marking a significant revision in the evaluation process. Faculty appraisal parameters are as - Academic Performance - Research and Development - Self Development - Department Portfolio - Institute Portfolio - Extraordinary Contribution. The performance will be evaluated for 1000 marks and appreciated.
7	Constitution and Working of the Statutory Bodies/Committees (as per UGC guidelines)	
	Constitution and Working of the Statutory Bodies/Committees (as per UGC guidelines). • Governing Body • Academic Council • Board of Studies • College Development Committee • Finance Committee • Internal Complaint Committee • Board of Examination (BoE) • Anti-Ragging Committee • Internal Quality Assurance Cell • Grievance Redressal Committee (Faculty and Staff) • Student Grievance Redressal Committee • Library Committee	• Planning, Governance and Compliance • PCCOE ensures robust governance and compliance with regulatory requirements: • Constitution of Committees: Established all necessary committees as per UGC Guidelines, facilitating efficient monitoring and review. • Regular meetings are conducted for measurements and monitoring of actives and compliances. • Documentation: Maintains meticulous records of: - Minutes of Meetings - Action Taken Reports
8	Academics :	
	1. Academic committees: • Academic Standing Committee • Academic Council • Board of Studies	Roles and Responsibilities of Committees: 1. Board of Studies (BoS): Each program features a Board of Studies comprised of university representatives, experienced faculty, external domain experts, industry professionals, and alumni. This collaborative group constructs syllabi aligned with AICTE guidelines and specific course objectives. 2. Academic Council: A pivotal governing body, upholds and enhances educational quality, reflecting the institution's commitment to high standards. 3. Outcome-Centric Approach: The institution follows the Plan-DO Assessment-Attainment cycle to measure COs, POs, and PSOs. 4. Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs) are monitored in IQAC meetings stringently Documents: • MoM Academic Council (Annexure A1, A2) • MoM IQAC Meetings
	2. Academic Process Manual and Formats Established	Academic processes are set as per Plan-Do-Check-Act cycle. Processes are assess with regular monitoring such as Attendance monitoring, Academic monitoring, compliance

		of Academic calendar, monitoring of outcomes (Academic Performance Index)																																																																																	
	3. Curriculum Design and Delivery	• Credit wise course distribution is as follows:																																																																																	
		<table><tr><th rowspan="2">Sr. No.</th><th rowspan="2">Type of Course</th><th rowspan="2">No. of Courses</th><th colspan="2">Total Credits</th></tr><tr><th>NO.</th><th>%</th></tr><tr><td>1</td><td>Basic Science Course</td><td>8</td><td>23</td><td>14.28</td></tr><tr><td>2</td><td>Engineering Science Course</td><td>13</td><td>22</td><td>13.66</td></tr><tr><td>3</td><td>Programme Core Course</td><td>6</td><td>13</td><td>8.07</td></tr><tr><td>4</td><td>Programme Elective Course</td><td>17</td><td>48</td><td>29.81</td></tr><tr><td>5</td><td>Multidisciplinary Minor</td><td>6</td><td>18</td><td>11.18</td></tr><tr><td>6</td><td>Open Elective</td><td>6</td><td>18</td><td>11.18</td></tr><tr><td>7</td><td>Vocational and Skill Enhancement Course</td><td>2</td><td>16</td><td>9.93</td></tr><tr><td>8</td><td>Ability Enhancement Course</td><td>1</td><td>3</td><td>1.86</td></tr><tr><td>9</td><td>Entrepreneurship/Economics/Management Course</td><td>3</td><td>-</td><td>-</td></tr><tr><td>10</td><td>Indian Knowledge System</td><td>2</td><td>-</td><td>-</td></tr><tr><td>11</td><td>Value Education Course</td><td>4</td><td>-</td><td>-</td></tr><tr><td>12</td><td>Experiential Learning Courses</td><td>4</td><td>-</td><td>-</td></tr><tr><td>13</td><td>Liberal Learning Courses</td><td>1</td><td>-</td><td>-</td></tr><tr><td></td><td>Total</td><td>73</td><td>161</td><td>100</td></tr></table>					Sr. No.	Type of Course	No. of Courses	Total Credits		NO.	%	1	Basic Science Course	8	23	14.28	2	Engineering Science Course	13	22	13.66	3	Programme Core Course	6	13	8.07	4	Programme Elective Course	17	48	29.81	5	Multidisciplinary Minor	6	18	11.18	6	Open Elective	6	18	11.18	7	Vocational and Skill Enhancement Course	2	16	9.93	8	Ability Enhancement Course	1	3	1.86	9	Entrepreneurship/Economics/Management Course	3	-	-	10	Indian Knowledge System	2	-	-	11	Value Education Course	4	-	-	12	Experiential Learning Courses	4	-	-	13	Liberal Learning Courses	1	-	-		Total	73	161	100
Sr. No.	Type of Course	No. of Courses	Total Credits																																																																																
			NO.	%																																																																															
1	Basic Science Course	8	23	14.28																																																																															
2	Engineering Science Course	13	22	13.66																																																																															
3	Programme Core Course	6	13	8.07																																																																															
4	Programme Elective Course	17	48	29.81																																																																															
5	Multidisciplinary Minor	6	18	11.18																																																																															
6	Open Elective	6	18	11.18																																																																															
7	Vocational and Skill Enhancement Course	2	16	9.93																																																																															
8	Ability Enhancement Course	1	3	1.86																																																																															
9	Entrepreneurship/Economics/Management Course	3	-	-																																																																															
10	Indian Knowledge System	2	-	-																																																																															
11	Value Education Course	4	-	-																																																																															
12	Experiential Learning Courses	4	-	-																																																																															
13	Liberal Learning Courses	1	-	-																																																																															
	Total	73	161	100																																																																															
9	Examinations:																																																																																		

	• Board of Examination Committee (BoE) • Examination Process Manual is established • Examination results monitored • Examination : Continuous Internal Evaluation	• The College has established a Board of Examination as per UGC guidelines. The basic functionalities are - Online student registration - Conduct of examinations - Definition and implementation of Rules and Regulations - Coordination with Savitribai Phule Pune University - Examination-related student grievance redressal • Grievance Redressal and Transparency - Effective examination grievance system in place - Prompt resolution of student concerns - Positive student feedback on current mechanism - Assessment methods compiled in a Manual, displayed on College website for transparency • Continuous Internal Evaluation is monitored by Department Undergraduate Program Committee(DUPC) • Documents - MoM - Result Analysis
--	--	--

10 Research Output

• Number of Publications in UGC listed Journals • Quality of Publications (Citation / h-index as per Web of Science; Scopus; Indian Citation Index) • Startup • Patents(published/ registered/ awarded) • Research projects funded by external agencies	• Publications: 120 • Journal Publications: 41 • Patent Published : 10 • Patent Granted: - • Startup: - • Research Projects funded by external agencies : <table><tr><th>Research Projects</th><th>Number</th><th>Value</th></tr><tr><td>Government sponsored research projects</td><td>2</td><td>7497817</td></tr><tr><td>Industry sponsored research projects</td><td>7</td><td>2132190</td></tr></table>	Research Projects	Number	Value	Government sponsored research projects	2	7497817	Industry sponsored research projects	7	2132190
Research Projects	Number	Value								
Government sponsored research projects	2	7497817								
Industry sponsored research projects	7	2132190								

11 MoU

• Industry/ Academic Collaborations	Total: (Annexure M: List of MoU from Department)
• International Universities	Total: (Annexure IM: List of International Universities MoU)

12 Infrastructure

• Academic purposes • Administrative purpose • Internet Bandwidth	• Classrooms: PCCOE houses 147 state-of-the-art classrooms equipped with projectors, ensuring an enriched learning experience. High-speed Wi-Fi connectivity across the campus provides seamless access to online resources. • Laboratories: With 95 laboratories for undergraduate and postgraduate programs, PCCOE offers hands-on learning experiences across diverse disciplines. • Reading Rooms and Common Rooms: PCCOE provides reading rooms and common rooms for both genders offering quiet spaces for studying and relaxation. The central library is accessible from 8:00 am to 12:00 am • Computing Facilities: Nearly 1976 computers with a 50 MBPS bandwidth ensure students have access to computational resources.
---	--

13	Audits																															
	- ISO 9001: 2015 Audits - Academic Audits	- The college has implemented process from the academic year 2021-22. - Regular semester-wise Internal Audit and Management Review Meetings were conducted. - Regular academic year-wise academic audit were conducted by academicians of reputed institutes. The summary of Academic Audit is as: <table><tr><td>Department</td><td>Audit Score</td><td>Average %</td><td>Grade</td></tr><tr><td>AS&H</td><td>467/620</td><td>75.32</td><td>B</td></tr><tr><td>Civil Engineering</td><td>1011/1200</td><td>84.25</td><td>B</td></tr><tr><td>Computer Engineering</td><td>816/900</td><td>90.66</td><td>A</td></tr><tr><td>E&TC</td><td>785/940</td><td>83.51</td><td>B</td></tr><tr><td>IT</td><td></td><td>78.86</td><td>B</td></tr><tr><td>MECH</td><td>565/670</td><td>84.32</td><td>B</td></tr></table>			Department	Audit Score	Average %	Grade	AS&H	467/620	75.32	B	Civil Engineering	1011/1200	84.25	B	Computer Engineering	816/900	90.66	A	E&TC	785/940	83.51	B	IT		78.86	B	MECH	565/670	84.32	B
Department	Audit Score	Average %	Grade																													
AS&H	467/620	75.32	B																													
Civil Engineering	1011/1200	84.25	B																													
Computer Engineering	816/900	90.66	A																													
E&TC	785/940	83.51	B																													
IT		78.86	B																													
MECH	565/670	84.32	B																													
14	The PCCOE is certified by ISO 9001: 2008 in 2014, ISO 9001:2015 in year 2017 and 2020. These Quality Management System standards was effectively executed in PCCOE for improvement of education services by providing value added quality education.																															
15	Feedback																															
	- Students satisfaction level - Parents satisfaction level - Faculty/Staff satisfaction level - Industry satisfaction feedback	- The college conducts feedback from all stakeholders (Students, teachers, alumni, employers, and parents) on curriculum, teaching-learning process, and infrastructure facilities on a regular basis. - PCCoE collects student and faculty satisfaction survey and calculate satisfaction index to analyze the feedback on all facilities and support.																														
16	Grievance																															
	- Internal Complaint Committee (ICC) - Student Redressal and Grievances Cell (SRGC) - Equal Opportunity Cell - Examination Grievances Cell	- The all required grievance cells are constituted in PCCoE as per UGC guidelines. - The various awareness activities are conducted under the cell.																														
17	Expenditure																															
	Finance Committee	- Finance Committee is constitutes as per UGC - Regular meetings of finance committee for budget monitoring was conducted - Well defined procurement manual is used for purchase process implementation.																														
18	Recognition/Awards received (2021-22)		Accolades and Accreditations Recognition under the 2(f) and 12 (B) UGC																													

	• Institutional	scheme • NAAC Accredited with 'A' Grade (3.20 score) • Ph.D. Research Centre in (Mechanical Engineering, Computer Engineering and Electronics & Telecommunication Engineering) • ISO 9001:2015 Re-Certification by TUV NORD since 2017 Rankings and Awards • The WEEK Best College Survey 2022: PCCoE Ranked 69th among private engineering colleges in INDIA. • NIRF 2021: PCCoE Ranked in Top 251–300 Engineering Colleges across the Country by NIRF Ranking • Times Engineering Survey 2021 : PCCoE ranked 20th in INDIA among Top 175 Engineering Institutes in Times Engineering Survey 2021 • India Today Engineering Survey 2021 : PCCoE ranked 76th in INDIA among top 200 Private Engineering Colleges in India Today Engineering Survey 2021 • Outlook-iCARE Best College Rankings 2021 : PCCoE Ranked 47th in INDIA among top 100 Private Engineering Colleges • The WEEK – Hansa Research Best College Survey 2021: PCCoE Ranked 61st among private and 88th among all engineering colleges in INDIA. • ISTE National Award Best Private Engineering College to PCCoE: PCCoE received the “VVR Seshadri Rao Gudlavelluru Engg College National award for Best Private Engineering College 2020”
--	---	---

Best Practices in PCCoE

- Kshitij 2021
- Know Japan 2021
- ICCUBEA 2021
- Samvaad Newsletter
- Darpan 2.0
- Establishment of DUPC

 Dr. Sudeep Thepade IQAC Coordinator Pimpri Chinchwad College of Engg. Pune	 Dr. Nilkanth B. Chopade Deputy Director Pimpri Chinchwad College of Engg. Pune	 Dr. Govind N. Kulkarni Director Pimpri Chainchwad College of Engg. Pur
 Dr. Y.H. Dandavate Dean QA, VIIT, Pune	 Dr. Madhuri Khambete Principal MKSSS's Cummins College of Engineering for Women, Karvenagar, Pune	 Dr. Pradeep B. Mane Principal AISSMS Institute of Information Technology, Pune

