

Perspective Plan

2025-26 to 2029-30

[w. e. f. A Y 2025 - 2026]



**Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering and
Research, Ravet, Pune-412101**



Vision of the PCCOER

To be a globally recognized Institute of technological education and research for the holistic development of aspirants, through excellence in education, innovation and collaborations to fulfil the expectations of all stakeholders.

Mission of the PCCOER

1. To design and deliver state-of-art knowhow through experiential learning based on changing needs of industry and society worldwide, to ensure the employability and employment of each aspirant.
2. To enhance the collaborative partnership between Industry and Institute at national and international levels for commercializing and transferring the latest technological know-how towards societal, ethical and economic development
3. To achieve and sustain institute position as one of the topmost recognized and ranked institutes in technical and technological education

The perspective plan of the institute is for its overall development by considering various objective of NEP and actions items are as per the requirements of NBA, NAAC and NIRF is described with reference to the following dimensions:

1. Teaching - Learning

2. Holistic Development of students

3. Staff Development

4. Research Ecosystem

Teaching - Learning

The National Education Policy (NEP) 2020 focuses on multidisciplinary approach, skill development, holistic development of students and flexibility. Considering NEP guidelines following action points are included in the Perspective plan.

A. Curriculum Structure as per NEP Guidelines

NEP policy promotes a multidisciplinary approach to education, collaboration among universities, colleges, research institutions, and other entities. NEP policy encourages the integration of traditional Indian knowledge systems into contemporary curricula, enriching the learning process with a holistic perspective on various subjects. To develop curriculum in line with NEP and as per global technology trends and industry needs.

Action points:

- **Offering B.Tech. Degree with Multidisciplinary Minors**

In the curriculum every programme will offer multidisciplinary minors to provide exposure to a diverse range of subjects beyond their primary field of study.

- **Flexibility through Choice Based Credit courses**

Curriculum will be framed with choice based courses in the form of programme electives and open electives.

- **Self-learning component by MOOC Courses**

Every programme will provide an opportunity to students to learn the courses of their choice from the NPTEL course category. This will develop the self-learning ability of the students.

- **Internships and Community Projects**

Inclusion of industry internships / research internships and community projects in the curriculum.

- **Curricular and co-curricular activities Development Goals (SDGs) addressing Sustainability.**

- **E-content created by the department**

Every department will create e-contents for the courses in the curriculum which would be available to all the students.

Metrics and Targets:

- **Number of MDM:** at least two options per programme over 5 academic years.
- **Percentage of choice based credits:** 15% of total credits over 5 academic years.
- **Percentage of MOOC courses:** at least 5% of total credits over 5 academic years.
- **Number of Capstone projects and Community Projects:** at least 10% projects focused on Sustainable Development Goals (SDG's).
- **At least one Hackathon / Ideathon relevant to SDG per year per department.**
- **Number e-Content Course creation:** Every course should have e-content creation.
- **Identification of Slow learners and Advance learners and Arranging sessions for them.**

B: Collaboration

NEP gives thrust on skill development. Lab courses and industry relevant courses help to develop technical skills of the students. Internships, projects give opportunities to apply these skills. Institute aims to collaborate with the Industries, foreign universities and NGO for skill development, internships and projects. Action points are as follows:

Action points:

- **Collaboration with Industry**

For Expert lectures, co-teaching, jointly designed courses, development of labs, industrial visits, student projects and internship.

- **Collaboration with foreign Universities**

To provide Credit transfer, Internship and Joint certificate Programme.

Metrics and targets:

- **Number of MOU's with Industry / Academic Institute / Research institute/ NGO:** at least 10 functional MOU per academic year
- **Number of Industrial Visits:** at least 25 visits per academic year
- **Number of Expert Lectures :** at least 40 expert lectures per academic year
- **Number of course development / Co teaching with industry:** at least 2 theory courses and one lab per department in collaboration with industry
- **Number of MOU with Foreign universities for Credits transfer / internships / joint certificate Programme:** MOU with at least 10 foreign universities

Holistic Development of Students

Along with academics and skill development, holistic development of students is important. Co-curricular and extracurricular activities play a big role in holistic development of students. Professional society chapters, students clubs provide a platform for organization of different activities. Soft skill training programs help students to develop communication skills.

Action points:

- **To organize training programs on skill development and leadership development**
- **To facilitate students to participate in CO-Curricular and extracurricular activities**
By providing financial support, resources, and faculty guidance etc. The institute aims to see participation of every student in co-curricular and extracurricular activities.
- **Organize sessions on**
 - Competitive exams
 - Higher studies
 - Career path
 - Entrepreneurship
- **Organize sessions on physical and mental well-being**
- **Organize students events such as:**
 - Technovate
 - Cultural
 - Sports
 - Professional society
 - Students clubs

Metrics and Targets:

- **Number of value added programs of skills and leadership development:** At least one program for SY and TY each year
- **Participation in technical competitions, paper presentations, NSS membership, Unnat Bharat Abhiyan, Sports events, cultural events, representing college, college magazine, department newsletter etc.:** Every student will participate in at least one activity every year
- **Number of sessions on competitive exams preparations, higher studies, career path and entrepreneurship:** At least two programs each per semester
- **Physical and mental well-being:** Arrange Periodic sessions every year for all students
- **Number of Technovate, Cultural, Sports, events:** Organize at least one event for each category per year
- **Number of events for professional Society chapters :** Organize at least two events per chapter every year
- **Number of events for Student clubs:** Organize at least one event per club every year

Staff Development

To enhance the knowledge and skills of the staff, following are the action points.

Action points:

- **Organization of FDP/ STTP/ Workshop**
- **Facilitate faculty to attend FDP / STTP / Workshop**
- **Facilitate faculty to complete NPTEL course**
- **Organization of training program for Non-teaching staff**
- **Faculty Internship / Industry Training**
- **Professional Society Membership**

Metrics and Targets:

- **Number of FDP and STTP organized by every department:** at least 2 per year
- **Number of FDP/ STTP/ workshop (more than 5 days duration) attended by faculty :** 1 per year
- **Number of NPTEL course certification (minimum 8 weeks duration) by faculty :** at least 1 per year
- **Organization of training programs for non-teaching staff :** at least 2 per year
- **Number of faculty Internship:** All faculty members should complete internship / industry training every years.
- **Every faculty should be the member of at least one professional society**

Research Ecosystem

The goal is to enhance the current research activities such as research publications, funded projects, startups, consultancy, patents etc.

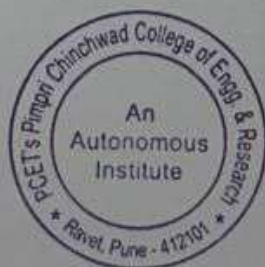
Action points:

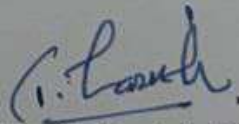
- **Quality Research Publication**
To increase the number of quality research publications by providing guidance/mentoring, providing incentives.
- **Patent Filing, Publication and Granting**
IPR cell of the college will create awareness about patent filing. The cell will also take care of patent filing, patent examination etc. the fees for filing and examination will be paid by the institute.
- **Establishment of Incubation and Entrepreneurship Ecosystem**
The college will establish an incubation centre to promote startup ideas.
- **Funded Research projects and Consultancy**

The institute aims to attract more research projects and consultancy. For this dean R&D office will arrange awareness sessions about research funding schemes and will provide seed money for pre research work. Adjunct faculty members will guide the faculty for proposal writing and research work.

Metrics and targets:

- **Number of research publication:** at least 2 quality publications per faculty per year
- **Number of startup companies:** at least 5 over 5 academic years
- **Amount of funded research projects:** at least 20 lakhs per department over 3 academic years
- **Number of consultancies:** at least 25 consultancies over 5 academic years
- **Conferences Organization:** at least 5 over 5 academic years
- **Amount of Seed Money Utilization (from AY 26 - 27):** 10 Lakhs per department in 3 years.




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