

Maharshi Karve Stree Shikshan Samstha's  
Cummins College of Engineering for Women, Pune - 52, India

**Perspective Plan**

The perspective plan of the Institute for its overall growth is described with reference to the following dimensions:

1. Teaching—Learning—Evaluation
2. Readiness for Careers
3. Research and Extensions

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**Principal**  
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For Women, Karvenagar, Pune-52

# Teaching – Learning – Evaluation

## Goals

Develop curriculum as per the global technology trends and industry needs.

Implement pedagogies promoting student-centric learning process.

Build analytical, problem-solving, and synthesis abilities of students.

### Action Points

- Structure curriculum as per the global trends by collaborating with academia & industries with an emphasis on academic flexibility and multidisciplinary approach.
- Form a cell to investigate and disseminate new pedagogic practices.
- Explore, experiment, adopt and follow best pedagogic practices in teaching and learning.
- Facilitate an environment for self-learning and developing life-long learnability.
- Provide students with real-life complex and challenging problems through projects & internships.
- Develop evaluation methods to assess analytical, problem-solving, hands-on & design abilities.

### Who is responsible?

Curriculum Committee

Dean, Academics

Pedagogy Cell

CDC  
Pedagogy Cell

IIPC  
Dean, Student Affairs

Dean, Quality Assurance

### Approved/Reviewed by

Academic Council

PPRC

PPRC

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PPRC

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### Metrics and Targets

- Publication of yearly magazine devoted to pedagogic practices: from 2019-20
- At least 1 course with self-learning component per programme year from 2019-20 with an increment by 1 for each of the subsequent academic years
- At least 50% of the total lab courses per programme per academic year with at least 1 open-ended assignment
- At least 50% projects based on problem statements provided by industry
- Evaluation for all the courses based on the Revised Bloom's Taxonomy with — minimum weightage for the higher cognitive process dimensions (analyse, evaluate and create) = 10%, 20%, 30% and 30%, respectively for the First, Second, Third and Final year B. Tech. Courses

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## Readiness for Careers

### Goals

Develop technical competency, soft skills and instil professional ethics among graduates.

Give exposure to business aspects of technology.

Action Points	Who is responsible?	Approved/Reviewed by
<ul style="list-style-type: none"> <li>Facilitate soft skills and leadership development through curricular, co-curricular and extra-curricular activities.</li> </ul>	Curriculum Committee Dean, Student Affairs	PPRC
<ul style="list-style-type: none"> <li>Establish Incubation Centre.</li> </ul>	Entrepreneurship Cell Dean, R & D Dean, Student Affairs	CDC
<ul style="list-style-type: none"> <li>Facilitate innovation and entrepreneurship activities.</li> </ul>	Entrepreneurship Cell Start-up & Innovation Cell Dean, Student Affairs	PPRC
<ul style="list-style-type: none"> <li>Establish cells for counselling and for guidance on careers &amp; competitive exams.</li> </ul>	Dean, Student Affairs & TPO	PPRC
<ul style="list-style-type: none"> <li>Conduct workshops to make students aware of professional ethics.</li> </ul>	Dean, Student Affairs & TPO	PPRC
<ul style="list-style-type: none"> <li>Arrange talks to give exposure to business aspects of technology.</li> </ul>	TPO & Heads of Departments	PPRC

### Metrics and Targets

- Establishment of 'Incubation Centre': by year 2022
- Establishment of cells for counselling and for guidance on careers and competitive exams: by year 2019 and arranging minimum 4 sessions per year on career guidance and competitive examinations guidance
- Growth in average pay-package and the highest pay-package

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## Research and Extensions

### Goal

Create an ecosystem for fundamental and applied research pursuits.

#### Action Points

- Establish policies to promote research and extension activities.
- Encourage Quality Research Publications.
- Promote Funded Research and creation of intellectual property.
- Explore collaborations with academia and industries for R & D projects and consultancy.
- Establish design centre; undertake collaborative research projects using design centre facilities.
- Establish centre of excellence

#### Who is responsible?

#### Approved/Reviewed by

R & D Committee and IIPC	CDC
R & D Committee and CDC	PPRC
R & D Committee and CDC	PPRC
R & D Committee and IIPC	PPRC
R & D Committee & Head – Design Centre	PPRC
Heads of Departments R & D Committee	PPRC

#### Metrics and Targets

- Establishment of Design Centre and functioning: By June 2019
- Establishment of Centre of Excellence: By January 2023
- Number of completed minor projects (< 3L): at least 20 over 5 academic years
- Number of completed major projects (> 3L): at least 10 over 5 academic years
- Number of publications in indexed journals: at least 50 per academic year
- Number of consultancy assignments: at least 10 over 5 academic years



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