

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

V.S. APB



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Principal
MKSSS's Cummins College of Engg.
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

Action Points	Who is responsible?	Approved/Reviewed by
<ul style="list-style-type: none"> Structure curriculum as per the global trends by collaborating with academia & industries with an emphasis on academic flexibility and multidisciplinary approach. 	Curriculum Committee	Academic Council
<ul style="list-style-type: none"> Form a cell to investigate and disseminate new pedagogic practices. 	Dean, Academics	PPRC
<ul style="list-style-type: none"> Explore, experiment, adopt and follow best pedagogic practices in teaching and learning. 	Pedagogy Cell	PPRC
<ul style="list-style-type: none"> Facilitate an environment for self-learning and developing life-long learnability. 	CDC Pedagogy Cell	PPRC
<ul style="list-style-type: none"> Provide students with real-life complex and challenging problems through projects & internships. 	IIPC Dean, Student Affairs	PPRC
<ul style="list-style-type: none"> Develop evaluation methods to assess analytical, problem-solving, hands-on & design abilities. 	Dean, Quality Assurance	PPRC

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 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



V.S.H.P.

Readiness for Careers

Goals

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

Give exposure to business aspects of technology.

Action Points

- Facilitate soft skills and leadership development through curricular, co-curricular and extra-curricular activities.
- Establish Incubation Centre.
- Facilitate innovation and entrepreneurship activities.

Action Points	Who is responsible?	Approved/Reviewed by
• Facilitate soft skills and leadership development through curricular, co-curricular and extra-curricular activities.	Curriculum Committee Dean, Student Affairs	PPRC
• Establish Incubation Centre.	Entrepreneurship Cell Dean, R & D Dean, Student Affairs	CDC
• Facilitate innovation and entrepreneurship activities.	Entrepreneurship Cell Start-up & Innovation Cell Dean, Student Affairs	PPRC
• Establish cells for counselling and for guidance on careers & competitive exams.	Dean, Student Affairs & TPO	PPRC
• Conduct workshops to make students aware of professional ethics.	Dean, Student Affairs & TPO	PPRC
• Arrange talks to give exposure to business aspects of technology.	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

V.S.A.P.



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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

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

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

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