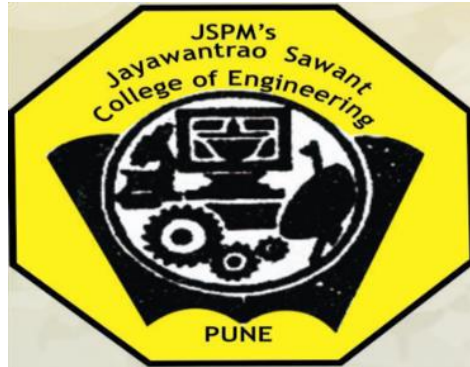


Jaywant Shikshan Prasarak Mandal



Jayawantrao Sawant College of Engineering , Pune

(Approved by AICTE & Affiliated to Savitribai Phule Pune University)



STRATEGIC PLAN

PREFACE

Strategic Planning of the institution plays a dynamic role in successful execution of the Vision and Mission. Strategic planning is a continuous process to achieve institutional goals in effective manner. The basic purpose of strategic planning are its abilities to help align the organization with its available resources environment,. The Strategic Plan is formulated based on SWOC analysis of present challenges and future opportunities and it envisions the direction towards which the institution should move to achieve its set goals and objectives. The first part of strategic plan clarifies the vision, mission and core values of the institution along with long term & short term goals. IQAC has prepared a strategic plan to enhance the academic, research, consultancy, extension, outreach, co-curricular and extra-curricular activities as against the set progress indicators and recommend the augmentation of necessary infrastructural facilities for achieving the long term goals and objectives of the department. These targets have been set with extensive consultation with all stakeholders – Faculty, student, alumni, parent and employer. To prepare strategic plan, vision mission, the values and culture within institute are taken into consideration.

1.1 ABOUT JSPM

Jayawant Shikshan Prasarak Mandal (JSPM) was established in the year 1998 by Honorable Prof. Dr. T. J. Sawant. JSPM group of institutions are committed to provide value based quality education maintaining pace with changing technology to produce competent and skilled professionals ready to accept global challenges. There are 78 institutions under JSPM group offering quality education in schools and higher education in the field of Engineering, Management, Computer Application, Pharmacy, Commerce and Science. Presently more than 50,000 students are pursuing education in JSPM group of institutes. All the institutes are recognized and approved by Government of Maharashtra and respective regulatory authorities.

1.2 JSCOE

The Institute was established in 2004 as a part of JSPM group with the aim is to impart good education and to develop the complete personality of the students with an emphasis on moral values. The institution strives hard to shape the students in a way they will be an asset to the community and nation at large. The institute is affiliated to Savitribai Phule University Pune, Pune and conducting four year B E. Programs and ME, MBA and MCA post graduate programs.

The Institute is located in Hadapsar (Pune) surrounded by Industries, IT Companies and reputed townships. The excellent academic calendar with space for individual skills and personality development, excellent team work of faculty members and initiative for industry interface is salient features of institute. The College location has a history as pilgrims traveling from dehu and Alandi to Pandharpur

Website: www.jspmjscoe.edu.in

1.3 INSTITUTE VISION, MISSION AND OBJECTIVES

VISION

"To satisfy the aspirations of youth force, who wants to lead the nation towards prosperity through techno-economic development".

MISSION

"To provide, nurture and maintain an environment of high academic excellence, research, and entrepreneurship for all aspiring students, which will prepare them to face global challenges maintaining high ethical and moral standards".

Goals

1. To provide quality education to students and nurture them for a professional career.
2. To increase the number of students progressing in higher education and entrepreneurship.
3. To make the students engaged in lifelong learning for accepting socio-economic responsibilities.
4. To promote students for research and adopting recent trends in technology among all disciplines.
5. To enhance the proficiency and excellence of teachers

1.4 QUALITY POLICY

“To imbibe global standards of excellence in endeavors of Institute and to adhere with accountability towards society through best practices and techno economic prudence”.

After several brain storming sessions, the strengths, weaknesses, opportunities and challenges are identified:

Strengths:

- Visionary management team and transparent administrative set up.
- Excellent local and regional reputation with well- established national recognition
- Qualified, experienced and dedicated teaching faculty with good retention ratio. • Student centric functioning with mentoring, counseling and Effective academic monitoring through GFMs .
- ICT integration in T-L and pedagogical initiatives.
- Good academic results and consistently university toppers.
- Strong training and placement cell which resulted skill enhancement and consistent improvement in core industry placements.
- Good participation of students in Co-curricular and extra-curricular activities at National Level.
- Social inclusiveness (35 percent female candidates ,varied socio economic background)

Weaknesses

- Less exposure to global experience amongst faculty and students.
- Moderate placement packages and low placement in core companies.
- Inadequate number of skilled supporting staff

- Limited sponsored research and consultancy activities..
- Need to improve library utilization and to upgrade library resources.
- Deepening of industry-academia partnerships in applied research needs to be encouraged.
- Less activities of student/faculty professional bodies as well as student chapters.

Opportunities

- Scope for interdisciplinary and sponsored projects.(smart cities).
- To build partnership and collaborative work amongst community/peer institute/ National R &D Labs
- To generate revenue through consultancy.
- Incorporation of blended learning and Improvement in online resources /digital content.
- Improve quality of research by applying research proposal to reputed institute. • up skilling of faculty and student in new age technology using national and international online FDPs and certification courses
- To add new programs (AI,data science)due to increasing demand.

Challenges:

- Rapid changes in all the disciplines and correspondingly changing expectations from industry and society..
- To map curriculum with fast changing technology and skillset(lass flexibility as university syllabus is fixed for four year).
- To create positive reputation/brand in external world
- To shift student mindset from exam oriented approach to learning/skill enhancement approach.
- To improve research quality of publication.
- New private and online education institute give more flexibility and credit based course access

Summary: It is evident from the above analysis that institute has the potential to emerge as excellent entre of professional education. It has strategic intent, essential facilities and manpower for achieving its Vision.

Review of Strategy Plan (2017-22)

JSCOE has developed its Strategic Plan for the duration of 2018-22. The majority of the goals envisioned in the plan will be achieving it.

	Aspect	outcome
1	To provide trained and skilled engineers to meet the current industry demands	More skill development program initiated and placement is improved
2	To obtain full accreditation for all UG program.	Achived
3	To provide blended learning experience and use of ICT to improve quality of teaching and learning process.	use of ICT increased by 40%
4	To enhance the research culture and entrepreneurship among students	Partial achievement
5	To enhance collaborative activities with other reputed institute and sharing of resources with mutual tie ups	MOU are increased
6	To extend academic help to assist academically weaker students	The result of weak student increased
7	To train newly joined Faculties	More FDP participation
8	To Strengthen Industry/ Institute / Alumni Interaction	Expert talks by alumni and industry person arranged
9	To engage in more social and eco-friendly project.	Achieved

Strategic Plan for 2022-27:

We are very happy to put forward this Strategic Plan of JSCOE for the period of 2022 - 2. It precisely articulates our aspirations to emerge as the highly respected multidisciplinary and student centric engineering Institution

Key Areas for strategic planning

Academic Excellence: Enhance academic quality and relevance.

Research and Innovation: Foster a culture of research and innovation.

Student Success: Ensure the holistic development and success of our students.

Faculty Development: Invest in faculty development and excellence.

Infrastructure Enhancement: Upgrade and expand our infrastructure.

Industry Engagement: Strengthen industry-academia partnerships.

Visibility in society: Enhance our national recognition and presence.

Prioritization:

The objectives have been prioritized based on their potential impact and alignment with our mission and vision.

Strategies and Action Plans:

Objective 1: NEP implementation for diversity in curriculum

Strategy 1: Curriculum Enhancement

Action: Revise and update the curriculum as per guidelines of NEP to provide academic diversity and flexibility to the learners.

Responsible: Curriculum Committee

Timeline: Year 1-2

Strategy 2: Faculty Development

Action Plan: Implement faculty development programs to improve skilling domains to meet curriculum demands and research skills.

Responsible: IQAC

Timeline: Year 1-5

Objective 2: Research and Innovation

Strategy 1: Research Culture Enhancement

Action Plan:

Foster a research culture by organizing research seminars and conferences.

Encourage faculty to engage in collaborative research projects.

Establish research clusters in emerging fields.

Responsible: Research and development cell

Timeline: Ongoing (Year 1-5)

Strategy 2: Research Grants and Funding

Action Plan:

Actively seek research grants from government agencies and industry partners.

Create a grant proposal development support system.

Offer incentives for faculty to secure external research funding.

Attempt problem statements of Smart India hackthon and other reputed industry through collaborative project activities

Responsible: Research and development cell

Timeline: Year 1-3

Objective 3: Student Success

Strategy 1: Holistic Student Support

Action Plan:

Develop comprehensive student support services, including counseling and academic advising.

Implement mentorship programs to provide guidance to students.

Establish a career services center to facilitate internships and placements.

Responsible: Dean of Student Affairs

Timeline: Ongoing (Year 1-5)

Strategy 2: Research Opportunities for Students

Action Plan:

Encourage undergraduate and postgraduate students to participate in research projects.

Establish undergraduate research conferences.

Responsible: Faculty and Research cell

Timeline: Ongoing (Year 1-5)

Objective 4: Faculty Development

Strategy 1: Training and Workshops

Action Plan:

Provide regular training and workshops on pedagogy and instructional technology.

Support faculty in pursuing advanced degrees or certifications.

Recognize and reward excellence in teaching and research.

Responsible: Academic dean office and IQAC**Timeline: Ongoing (Year 1-5)****Strategy 2: Research Incentives****Action Plan:**

Offer competitive research grants and seed funding for faculty.

Recognize and celebrate faculty research achievements.

Facilitate collaborative research projects with industry partners.

Responsible: Research and Development cell**Timeline: Ongoing (Year 1-5)****Objective 5: Infrastructure Enhancement****Strategy 1: Infrastructure Upgrade****Action Plan:**

Develop industry supported laboratories to address skill base and certificate courses

Assess and prioritize infrastructure needs, including laboratories and classrooms.

Secure funding for infrastructure upgrades and expansion.

Implement a maintenance plan to ensure the longevity of facilities.

Responsible: CDC and III

Timeline: Year 1-5

Strategy 2: Technology Integration

Action Plan:

Invest in state-of-the-art technology for teaching and research.

Provide technical support and training for faculty and students.

Create smart classrooms and online learning resources.

Responsible: Information Technology Office

Timeline: Ongoing (Year 1-5)

Objective 6: Industry Engagement

Strategy 1: Industry Partnerships

Action Plan:

Strengthen relationships with local and global industry partners.

Establish advisory boards with industry experts.

Develop internship and co-op programs for students.

Arrange entrepreneurship awareness workshops

Responsible: Industry interaction cell

Timeline: Ongoing (Year 1-5)

Strategy 2: Technology Transfer and Commercialization

Action Plan:

Promote technology transfer and commercialization of research outcomes.

Support faculty and students in patenting and licensing innovations.

Create an incubator or innovation center on campus.

Responsible: Industry interaction cell

Timeline: Year 1-5

Objective 7: Visibility in society

Strategy 1: International Collaborations

Action Plan:

Form partnerships with renowned international institutions.

Facilitate faculty and student exchange programs.

Promote research collaborations on a national level.

Responsible:

Timeline: Ongoing (Year 1-5)

Strategy 2: Accreditation and Rankings

Action Plan:

Pursue NBA accreditations for six years for all programs.

Implement strategies to improve institutional rankings in NIRF.

Showcase research and academic excellence to a global audience.

Responsible: Institutional NBA Team

Timeline: Year 1-5

Key Performance Indicators (KPIs):

- Increase in student satisfaction scores.
- Growth in research publications and grants.
- Graduation and placement rates.
- Faculty development participation rates.
- Expansion of infrastructure facilities.
- Number of industry collaborations.
- National rankings and partnerships.

Conclusion and Commitment:

We hereby reaffirm our commitment to achieving the outlined objectives and our dedication to excellence in academics and research activities.