



SHALAKA FOUNDATION'S
KEYSTONE SCHOOL OF ENGINEERING

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APPROVED BY AICTE & DTE, AFFILIATED TO SAVITRIBAI PHULE PUNE UNIVERSITY

TO WHOMSOEVER IT MAY CONCERN

The institute has developed strategic development plan through inputs received from renowned academicians, industry experts, alumni, parents, faculty members, government authorities, etc. This document contains the strategic institute development plan for next 10 years.

With highest regards,

Dr. Sandeep Kadam
Principal



Strategic Perspective Plan (2026–2036)

Keystone School of Engineering, Pune

1. Vision for 2036

The long-term vision of Keystone School of Engineering is to transform the institution into a **globally recognized autonomous engineering institution** that delivers **industry-relevant, research-driven, and innovation-oriented education**.

By 2036, the institution aims to become a **center of excellence in engineering and technology education** that nurtures creativity, encourages interdisciplinary learning, and develops graduates who are capable of addressing global technological challenges.

The institute will focus on producing **future-ready engineers, innovators, entrepreneurs, and technology leaders** who possess strong technical competence, ethical values, and social responsibility.

Through continuous improvement in teaching-learning practices, industry collaborations, and research activities, the institution will strive to build a **sustainable ecosystem for innovation, entrepreneurship, and societal impact**.

2. Strategic Pillars (10-Year Roadmap)

To achieve the institutional vision, the development strategy will focus on the following **seven strategic pillars**, which will guide all academic and administrative initiatives over the next decade.

1. Academic Excellence

The institution will focus on strengthening academic quality through **curriculum innovation, outcome-based education, and experiential learning**. Programs will be continuously updated to reflect **emerging technologies and industry requirements**.

Key initiatives include:

- Implementation of **Outcome Based Education (OBE)** in all programs
- Introduction of **multidisciplinary electives and interdisciplinary courses**
- Development of **minor and honors degree programs**
- Integration of **project-based and problem-based learning methodologies**
- Encouragement of **student participation in competitions, hackathons, and innovation challenges**

The ultimate goal is to ensure that students graduate with **strong conceptual knowledge, practical skills, and employability competencies**.

2. Research, Innovation and Patents

The institute aims to establish a strong **research culture** among faculty members and students.

Efforts will focus on:

- Establishing **research centers in emerging technologies**
- Promoting **interdisciplinary research projects**
- Encouraging **faculty and student publications in reputed journals**

- Facilitating **patent filing and intellectual property generation**
- Providing **research grants and seed funding**

By strengthening the research ecosystem, the institute aims to significantly increase **research output, patents, and funded projects**.

3. Industry Integration and Employability

One of the major strategic priorities is to ensure that the curriculum remains **industry-relevant and aligned with future technological trends**.

Key initiatives include:

- Strengthening **industry-academia collaborations**
- Introducing **industry co-taught courses**
- Expanding **internship opportunities**
- Conducting **skill development and certification programs**
- Inviting industry experts for **guest lectures and mentoring**

These initiatives will help students develop **professional competencies and industry readiness**.

4. Infrastructure and Smart Campus

The institution plans to significantly enhance its infrastructure to support **modern teaching-learning practices, advanced research activities, and student innovation**.

Infrastructure development will include:

- Expansion of **academic buildings and laboratories**
- Development of **innovation hubs and incubation spaces**
- Implementation of **smart classrooms and digital learning facilities**
- Creation of **technology-enabled campus systems**

Additionally, the campus will adopt **sustainable and green practices**, including renewable energy integration and environmentally friendly infrastructure.

5. Faculty Development and Leadership

Faculty members are the backbone of any educational institution. Therefore, continuous **faculty development and academic leadership initiatives** will be emphasized.

The institution will promote:

- **PhD qualifications among faculty members**
- Participation in **faculty development programs, workshops, and conferences**
- Faculty involvement in **research projects and consultancy activities**
- Establishment of **faculty study circles and knowledge-sharing forums**

These initiatives will enhance the **teaching effectiveness, research capabilities, and leadership skills** of faculty members.

6. Internationalization and Global Collaborations

To prepare students for the global workforce, the institute will focus on establishing **international academic collaborations**.

Key initiatives include:

- Partnerships with **foreign universities and research institutions**
- **Student and faculty exchange programs**
- **Joint research and innovation projects**
- Opportunities for **international internships**

These initiatives will provide students with **global exposure and cross-cultural learning experiences**.

7. Governance, Ranking and Institutional Reputation

Effective governance and transparent administrative practices will play a crucial role in achieving institutional excellence.

Key initiatives include:

- Establishment of **strategic planning and monitoring committees**
- Adoption of **data-driven decision-making processes**
- Implementation of **digital governance systems**
- Participation in **national and international ranking frameworks**

The institution will aim to achieve high performance in accreditation and ranking systems.

3. Strategic Phase Plan

The strategic plan will be implemented in **three phases over the next ten years**.

Phase 1 (2026–2028): Foundation Strengthening and Autonomy

This phase will focus on strengthening **academic quality, infrastructure, research culture, and accreditation readiness**.

Focus: **Academic Autonomy and Research Ecosystem**

Academic Reforms

- Apply for **Autonomous Status**
- Introduce **flexible curriculum**
- Implement **credit transfer system**

Target:

- 10% courses as **MOOC integrated courses**

Academic Development

The institute will introduce **multidisciplinary and industry-oriented academic programs**.

Key initiatives include:

- Introduction of **multidisciplinary electives**
- Implementation of **Outcome Based Education across all programs**
- Launch of **minor and honors programs**
- Integration of **project-based learning approaches**

Targets

- 100% courses mapped with **Course Outcomes (CO) and Program Outcomes (PO)**
- At least **three new industry-oriented electives** introduced in each department

Research and Innovation

To promote research culture, the institute will establish an **Innovation and Research Center**.

Key initiatives include:

- Creation of **Patent Facilitation Cell**
- Organization of **research workshops and seminars**
- Support for **faculty research projects**

Targets

- Minimum **10 research publications per year**
- At least **three patent applications annually**

Industry Collaboration

Strong collaboration with industry will be developed to improve student employability.

Key initiatives include:

- Signing **MoUs with at least 20 industries**
- Introduction of **industry co-taught courses**
- Expansion of **internship programs**

Targets

- At least **30% courses involving industry participation**

Infrastructure Development

Infrastructure expansion will support modern learning environments.

Key initiatives include:

- Construction of **new academic building (20,000 sq ft)**
- Establishment of **AI, Data Science, and IoT laboratories**
- Modernization of existing laboratories

Targets

- Creation of **five advanced laboratories**

Faculty Development

Faculty development programs will be implemented to enhance academic quality.

Targets

- **40% faculty enrolled in PhD programs**
- Regular **Faculty Study Circle activities**

Institutional Goals

The institution will work towards:

- Preparation for **National Assessment and Accreditation Council accreditation cycle**
- Application for **National Board of Accreditation program accreditation**

Phase 2 (2029–2031): Growth

This phase will focus on **research expansion, academic autonomy, and innovation ecosystem development.**

Research Ecosystem Development

Centers of Excellence will be established in emerging technology areas such as:

- Artificial Intelligence
- Smart Manufacturing
- Sustainable Energy

Targets

- At least **50 research publications**
- Filing of **10 patents**

Entrepreneurship Development

A **Startup Incubation Center** will be established to support student entrepreneurs.

Targets

- Creation of **10 student startups**
- Organization of **entrepreneurship boot camps**

Industry Integration

The institute will strengthen industry engagement.

Targets

- Implementation of **six-month industry internships**
- **100% internship participation**

International Collaborations

The institution will develop partnerships with international universities.

Targets

- Collaboration with **five foreign universities**
- **50 student exchange opportunities**

Phase 3 (2032–2036): Global Excellence

This phase will focus on achieving **global recognition through innovation leadership and advanced research activities**.

Academic Programs Expansion

New programs will be introduced in emerging fields such as:

- Artificial Intelligence and Data Science
- Robotics Engineering
- Cybersecurity
- Sustainability Engineering

Targets

- Introduction of **three new undergraduate programs**
- Launch of **two postgraduate programs**

Research Leadership

A **Technology Research Park** will be established to support high-impact research.

Targets

- More than **100 research publications**
- Filing of **25 patents**
- Securing **five major funded research projects**

Global Presence

The institution will strengthen its global engagement.

Targets

- **10 international collaborations**
- Joint degree programs with global universities

Student Success

A strong placement ecosystem will be developed.

Targets

- **95% placement rate**
- **Threefold increase in average salary packages**

4. Infrastructure Development Plan

Infrastructure development will support the institute's academic and research ambitions.

Academic Infrastructure

- Construction of **new academic blocks**
- Development of **advanced laboratories**
- Establishment of **innovation centers**

Student Facilities

- Innovation hubs
- Startup incubation spaces
- Digital library
- Student activity centers

Smart Campus Initiatives

- Green campus initiatives
- Solar energy integration
- Smart surveillance systems
- IoT-enabled campus infrastructure

5. Digital Transformation Strategy

The institution will adopt digital technologies to improve academic and administrative efficiency.

Key initiatives include:

- Implementation of **AI-based Learning Management System**
- Digital evaluation and examination systems
- ERP-based governance
- Virtual laboratories
- Online certification platforms

Target

Achieve **100% paperless administration**.

6. Ranking and Accreditation Targets

Year	Target
2027	NBA accreditation for major programs
2028	NAAC A+ grade
2030	Academic Autonomy
2032	Participation in NIRF ranking
2035	Top 100 engineering institutions in India

7. Research and Innovation Targets

Parameter	Current	2036 Target
Publications	10/year	100/year
Patents	2/year	25/year
Research Grants	Minimal	₹10 Crore
Startups	0	25

8. Student Development Strategy

The institute will focus on **holistic student development**.

Focus Areas

- Design Thinking
- Product Development
- Entrepreneurship
- Industry projects
- Global exposure

Programs

- Hackathons
- Innovation challenges
- Startup boot camps
- International internships

9. Governance and Leadership

The institution will strengthen governance mechanisms through establishment of:

- Strategic Planning Committee
- Industry Advisory Board
- Research Advisory Council
- Academic Autonomy Board

These bodies will ensure **effective planning, monitoring, and continuous improvement.**

10. Expected Outcomes by 2036

By implementing this strategic plan, **Keystone School of Engineering aims to achieve the following outcomes:

- Attainment of **autonomous institution status**
- Accreditation of programs by **National Board of Accreditation**
- Strong research ecosystem with significant publications and patents
- Innovation-driven campus environment
- Industry-integrated curriculum and strong placement performance
- Recognition as a **leading engineering institution in India**