Sinhgad Technical Education Society's
Smt. Kashibai Navale College of Engineering, Pune 411041
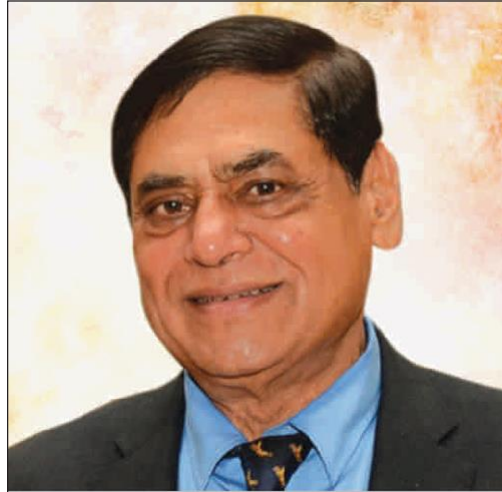

Sinhgad Institutes

PERSPECTIVE PLAN

2022-2032

OUR DYNAMIC LEADERSHIP

Prof. M. N. Navale
President
Sinhgad Technical Education Society

The Sinhgad Group of Educational Institutes, spread over Maharashtra has a presence to reckon with. The Group is benchmarked in every aspect. It struck its foundation in 1993 to transform the dream of its visionary architect Founder President Prof. M. N. Navale into a palpable reality. The entire Sinhgad Group has convincingly evolved, into the most sought after education destination. Every Institute is duly accredited by NAAC, approved by AICTE and affiliated to Savitribai Phule Pune University. Its Smt. Kashibai Navale Medical College subscribes to the code of the IMC. Every Institute has an Independent presence with enviable state-of-the-art infrastructure and all the facilities and resources, to label it an ideal place for learning. Invariably every campus has an impressive and extensively stocked Library. It Comprises Institutes in its fold, run by capable and qualified resource people, drawn from various disciplines. There are 12 Campuses, 7,000+ Employees, 85 Institutes, 26 Schools, 70,000+ Students. Still the entire Sinhgad Educational conglomerate continues in its search for excellence.

OUR MORAL SUPPORT

Dr. (Mrs.) Sunanda M. Navale
Secretary
Sinhgad Technical Education Society

Education in general and technical education in particular must be relevant to the rapidly changing needs of the industry and business houses. The educational environment must be dynamic and quickly adaptable, so that professionals must be capable of shouldering local and global responsibilities in industrial and social sectors.

OUR SOURCE OF STRENGTH

Ms. Rachana Navale-Ashtekar
V. P. (Admin),
Sinhgad Technical Education Society

Education is an instrument to enhance the capabilities of individuals. It helps them become knowledgeable, creative and good citizens. This thought urged me to develop excellent educational facilities at the Sinhgad Institutes.

OUR SOURCE OF STRENGTH

Mr. Rohit M. Navale
V. P. (HR),
Sinhgad Technical Education Society

Over the past few decades, knowledge traits have been cultivated to achieve a level of accuracy, speed and innovation in the Indian education system. Currently, this trend has been increased significantly, which has resulted in highly specialized, dynamic, talented and qualified staff. Looking at the rapid development of these personalities, we are also committed to very good quality of teaching and learning process by maintaining high level of discipline between staff and students and achieving superiority in academic field by maintaining an atmosphere conducive to research, state-of-the-art media center laboratories and digital libraries.

THE CAPTAIN OF THE SHIP

Dr. A. V. Deshpande
Principal

Since the last few years the knowledge characters have been refined to be at accurate, quick and innovative levels in an Indian Education System. Recently, this activities has been increased immensely leading to extremely professional dynamic, brilliant, skilled personalities. Looking at rapid refinement of such personalities, are committed to produce not only good engineers but also good human beings. Smt. Kashibai Navale College of Engineering (SKNCOE) started functioning in the academic year 2001. It is approved by All India Council for Technical Education (AICTE), New Delhi, affiliated to the Savitribai Phule Pune University (SPPU), Pune. The institute has grown in stature since its establishment.The institute has very good team of dedicated, experienced, full time faculty members & supporting staff. Many of the faculties are Ph.D. holders. The management encourages the faculty members to pursue doctoral degree at institutes of national importance like IITs, NITs as well as internationally reputed universities like Alborg University, Denmark.The infrastructure of the institution is excellent with state-of-the-art laboratories, digital library, Wi-Fi campus, well-furnished hostels for boys and girls, to mention a few which are as per the norms of AICTE & the syllabi of

existing UG/PG programs of SPPU. Regular feedback is taken from the stake holders to improve the academic and infrastructural standards of the institute.

In addition, we are also committed to organizing scientific and technological expeditions in the form of workshops, conferences and training programs. We will certainly nurture our students as dynamic, bright, and professional technologists and good and responsible citizens by enriching our actions to educate quality technical education.

Governance:

The management of the institute has two main committees viz. Governing Body (GB) and Local Managing Committee (LMC).

1. Governing Body(GB) :

The role of GB (Table 1) is to decide vision and objectives of the institute based on which directions to LMC and head of the institute are given. The GB approves the budget recommended by LMC. In a academic year two GB meetings are conducted. The issues which require deliberations and consultations at the college levels are taken up to the Local Management Committee.

Table 1. Governing Body Members

Sr No	Name	Designation
1.	**Prof. Maruti Nivrutti Navale** Founder President, STE Society	**Chairman**
2.	**Dr. Mrs. Sunanda M. Navale** Founder Secretary, STE Society	**Member**
3.	**Mrs. Rachana Navale Ashtekar** Vice President, STE Society	**Member**
4.	**Mr. Rohit M. Navale** Vice President, STE Society	**Member**
5.	**Mrs. Shruti R. Navale** Member , STE Society	**Member**
6.	**Shri. A. V. Deshpande** Director, STE Society	**Member**
7.	**Nominee Of AICTE** AICTE, New Delhi	**Nominee**
8.	**Director Of Technical Education** Maharashtra State, Mumbai, Ex-Officio, DTE	**Nominee**
9.	**Nominee, Savitribai Phule Pune University**	**Nominee**
10	**Nominee, Govt. Of. Maharashtra**	**Nominee**
11	**Regional Officer** WRO, AICTE, MUMBAI (EX-OFFICIO)	**Nominee**
12	**Dr. A. V. Deshpande** Principal, SKNCOE, Pune-41	**Member Secretary**
13	**Shri. G.K. Shahani**	**Special Invitee**

2. Local Managing Committee (LMC)

The organizational structure of SKNCOE is a blend of professional autonomy, individual accountability and well-defined administrative structure. Principal in turn frames implementation guidelines with the help of team of HoDs and Local Management Committee (LMC) and revise them from time to time based on the needs of stake holders and directions received from management. This Committee (Table 2) meets periodically to discuss various academic and non-academic issues.

Table 2. Local Managing Committee Members

Name	Designation
Prof. Maruti Nivrutti Navale Founder President, STE Society	**Chairman**
Dr. Mrs. Sunanda M. Navale Founder Secretary, STE Society	**Member**
Mrs. Rachana Navale Ashtekar Vice President, STE Society	**Member**
Mr. Rohit M. Navale Vice President, STE Society	**Member**
Mr.R.H.Borhade HOD Comp. Engg	**Representative Teaching Staff**
Prof. V. H. Bansode Asst Prof. Mech. Engg	**Representative Teaching Staff**
Dr.N. P. Kulkarni Asso. Prof. IT	**Representative Teaching Staff**
Mrs. K. S. Borgave Registrar	**Representative Non-Teaching Staff**
Dr.A. V. Deshpande Director, STE Society and Principal , SKNCOE	**Member-Secretary**
Shri G.K. Shahani	**Special Invitee**

College Level Committee Cell:

Various cells are formed in college for the smooth and efficient management of the activities (Table 3). The cells and cell in charges are constituted by the Principal in consultation with HODs for 05 academic years. All the cell in charge are requested to discharge their duties as per the norms of institute and all the staff are requested to cooperate with the cell in charge.

Table 3. College Level Committee Members

Sr.No	Name of Cell	Faculty In-Charge	Department
1	**Student Development**	**Mr. T. S. Sargar**	**Mechanical Engineering**
	Communication and Personality Development Cell	Mrs. A. S. Narote	Information Technology
	Value added Program Cell	Dr. P. G. Chilveri	Electronics and Telecommunication Engg
	Higher Study Cell	Mr. Naved Ali	Computer Engineering
	Student Welfare Cell	Dr. N. P. Kulkarni	Information Technology
	Cultural Cell	Mr. S. C. Shinde	Mechanical Engineering
	Social Responsibility Cell	Mr. S. P. Pingat	Computer Engineering
	Sports Cell	Mr. G. B. Firame	Mechanical Engineering
	Medical and counseling Cell	Mr.V.H.Bansode	Mechanical Engineering
		Mrs. N. S. Chankhore	Information Technology
2	**Industry Institute interaction cell**	**Dr. S. K. Jagrap**	**Electronics and Telecommunication Engg.**
	Training and Placement Cell	Mr. A. M. Mhasatkar	T & P Officer
	E Cell	Mrs. P. S. Rathod	Computer Engineering
	Research Development and Consultancy Cell	Mrs. K. A. Pujari	Electronics and Telecommunication Engineering
3	Academic Cell	Dr. K. N. Honwadkar	Computer Engineering

	IQAC Cell	Mrs. K. A. Pujari	E&TC Engineering
		Dr. M. L.Bangare	Information Technology
	Academic Monitoring	Mrs. AmrutaPatil	Computer Engineering
	Examination Cell	Dr. L. V. Patil	Information Technology
	Examination Cell	Mr. S.Y. Bobade	Information Technology
	Faculty Development Cell	Mrs. D. H. Kulkarni	Computer Engineering
	Purchase Committee	Dr. P. K. Jadhav	Mechanical Engineering
	Library Cell	Mr. UmeshNanavare	Computer Engineering
	Website Cell	Mr. Vrushali Paithankar	Computer Engineering
	Media Cell	Mr. A. M. Dharme	Mechanical Engineering
	Alumni Cell	Mrs. S. A. Nagtilak	Information Technology
	Women Development Cell	Mrs. R. S. Sewane	Mechanical Engineering
	College Magazine Cell	Mr. S. P. Bhilare	Mechanical Engineering
	Admission And Induction Program Cell	Mr. R. R. Yenare	Mechanical Engineering
		Dr. S. A. Sawant	Mechanical Engineering
4	**Grievances and Redressal Cell**	**Mr. M. S. Alandkar**	**Mechanical Engineering**
	Anti-Ragging Cell	Dr. K. R. Borole	Engg. Sciences
	SC/ST Cell	Mr. R. H. Borhade	Computer Technology
	Women Grievance Cell	Mrs. S. M. lngawale	Electronics and Telecommunication Engg.
	Grievance Redressal Cell (Staff)	Dr. K. R. Borole	Mechanical Engineering
	Disciplinary Action & Complaint Cell	Mr. M. S. Alandkar	Engg. Sciences

PERSPECTIVE PLAN

The governance of the institution is reflective of and in tune with the vision and mission of the institute

VISION

उत्तमपुरुषान् उत्तमाभियंतृन् निर्मातुं कटिबद्धा: वयम् ।

We are committed to produce not only good engineers but also good human beings.

MISSION

OUR MISSION is to do WHAT it takes to foster, sustain and upgrade the quality of Education by way of harnessing Talent, Potential and optimizing meaningful Learning Facilities. OUR ENDEAVOR is to provide the Best Learning, conductive environment and equip the students with effective Learning Strategies.

The policy statements and action plans for fulfillment of the stated mission are described in terms of short and long term goals as mentioned below

Long term goals
- To establish Research Centre for Doctoral programs and to undertake Research in focused areas from Electronics and Telecommunication Engineering, Computer Engineering, Information Technology and Mechanical Engineering.
- To develop strong Industry-Institute Interaction to offer Expertise for Projects, Training and Consultancy.
- To seek Academic Autonomy leading to University Status.
- To serve as Engineering Knowledge Centre for Society in General.

Short term goals

- All round development of students relevant to the needs of industries and making them competent to face the challenges due to globalization.

- Development of faculty and Staff by Deputation for Higher Studies and skill up- gradation.

- To strengthen Industry liaison by way of Faculty Training, Students Projects, Testing, MOUs etc.

- To promote R & D activities in the Departments.

COLLEGE GROWTH PLAN 2022 – 2032

1. Research & Development

1.1 Research Projects

Strategy 1. To Promote advance research and scholarly enterprise:

- To appoint Faculty with good research and scholarship potential.

- To support Faculty members in pursuing Ph.D.

- To identify and support programs and areas of emerging distinction.

- To have a Center of excellence in each emerging technology by 2027

- To establish HPC center in collaboration with IIT/ NIT by 2026.

- To provide opportunities for UG research experience by organizing National and International Technical Events like conferences and consortium.

Strategy 2. To improve research collaborations with Industry:

- To stimulate long-term, mutually beneficial industrial collaborations (2025 target: 25% Faculty with at least one industry research / consulting contact per year).

- To increase appreciation of entrepreneurship among students and Faculty Members.

Strategy 3. To obtain research grants from various Government sources such as AICTE, DST, UGC, DRDO, SERB, ISRO, RGSTC, BCUD of SPPU, Pune etc.

- To fetch the grant up to INR 50 lakh under MODROBS (Modernization and Removal of Obsolescence of Lab Equipment/Machinery) scheme of AICTE by 2025.

- To motivate the faculty members to get the funding under the category of Research Promotion Scheme (RPS) for innovation in established and newer technologies.

1.2 Consultancy

Strategy 1. To provide consultancy services such as material testing, planning and design, technical third party audit, structural audit in Mechanical Engineering, High computing labs in Computer ,Testing labs with high quality eqipments such as Spectrum analyzer etc in Electronic & Telecommunication Engineering and Information Technology to Pune, Nasik, Mumbai Thane and Ahmednagar infrastructure firms, auto industry and other surrounding areas.

To have a tie up with Government College of Engineering, Diat, ARAI, IIT, NIT, BATU for consultancy and R&D activities.

Strategy 2. To work Under Unnat Bharat Abhiyan (UBA) and Unnat Maharashtra Abhiyan (UMA) and provide expertise to nearby Talukas, and raise revenue for the institute.

To get enrolled in the empaneled list of institutes recognized by Government of Maharashtra for consultancy and technical audit work.

1.3 Intellectual Property Rights (IPR)

Strategy 1. Encourage registration of IPR by providing financial support to students and faculty members.

- To establish Intellectual Property Right cell for smooth conduction of IPR activities.

- To have more number of patents filed (2025 target: two patents per Dept).

- To make commercialization of Patents according to the need.

- To get more number of registrations for various types of IPR such as Design Registration, Copy Right, Trade Mark, Patent and Geographical Indications (if any).

- To implement the guidelines given in National Innovation and Start up Policy (NISP by AICTE).
- To establish Institutions Innovation Council (IIC) cell and conduct various activities related to it.

1.4 Internal Revenue Generation (IRG) Scheme.

Goal: Generate income for sustaining SKNCOE growth plan on a No-Profit basis to the tune of Rs.10 Crore by 2032.

Strategy 1. Introduce min. 30 hours/semester value addition technical programs using SKNCOE's infrastructure in evening sessions after regular college hours:

- IT Courses on C, C++, Python, R programming, Data structures, Open Source C Programming, JAVA and .Net, Big Data Sciences, AI, ML, Android using current lab set-up and industry experts initially and own trained Faculty thereafter.
- Electronics & Telecommunication Engineering Courses on VLSI embedded systems techniques, Virtual instrumentation using Lab-view software, High computing lab etc
- Mechanical Engineering Courses on CAD/CAM/CAE, CNC / VMC training, CATIA, MATLAB and SIMULINK, Robotics, ANSYS etc.

Strategy 2. Introduce Competitive exams like GATE/ CAT/GRE/TOEFL etc. coaching to achieve at least 20% number of students at NIT/IIT/Any other reputed engineering or management colleges for PG.

Strategy 3. Introduce Finishing School: 30 hour per semester courses on Soft Skills development for all streams of graduation under TPO for Placement and revenue generation.

Strategy 4. Extend the IT infrastructure for conduction of various examinations by external agencies such as MPSC, UPSC, NTA, DTE, IBPO etc.

2. Strengthening industry institute interaction:

2.1 Internship Program.

Strategy 1: To promote industry institute interaction for students through internship Programs.

- To develop industry institute interaction cell in each department.
- To collaborate with present and past student's parents and alumni associated with various industries and PSU's.
- To promote development of Mini Projects through internship programs.

Strategy 2: To organize guest lecture / seminar of industry personnel

- To invite industry personnel in the field of mechanical, computer, mechatronics, robotics, automations, data science, digital communication, VLSI, embedded systems etc.
- To invite alumni associated with industries as speaker for seminar/talks on current fields of engineering and technology.

2.2 Industry institute interaction through Consultancy

Strategy1: To provide consultancy services (such as material testing, planning and design, technical third party audit, structural audit) in the various field of engineering such as Mechanical, Computer, Electronic & Telecommunication Engineering and Information Technology to Pune, Nasik, Mumbai Thane and Ahmednagar infrastructure firms, auto industry and other surrounding areas.

Strategy2: To get enrolled in the empaneled list of institutes recognized by Government of Maharashtra for consultancy and technical audit work.

2.3 Development of laboratories in association with industries through MoU

Strategy 1: To collaborate with industries in and around Pune for developing the laboratories as per industry standards.

- To encourage the adoption of the laboratories by the various industries for technological infrastructural up gradation from time to time.

3. NAAC, NBA, ABET accreditation, ISO standardization

With the track record of 27 years in technical education the institute plans to apply for NBA/ ISO certification and achieve it. The process will be initiated in **2023-2024** and acquire in **2024-2025**

4 Academic Autonomy

With all credentials and experience demonstrated over last 27 years in technical education so far and in line with New Education Policy, to apply for autonomy and achieve it. The process we will initiate in **2024-2025** and acquire it in **2025–2026** as the last but very important aspect of this perspective plan.

Perspective plan proposed by Principal

Sr. No.	Goal	Metric	2021 - 2022	2022 - 2023	2023 - 2024	2024 - 2025	2025 - 2026	2026 - 2027	2027 - 2028	2028 - 2029	2029 - 2030	2030 - 2031
1	**Research & Development**	**Research Projects** Promote advance research and scholarly enterprise	30%	40%	70%	80%	90%	100%	100%	100%	100%	100%
		Improve research collaborations with industry	30%	40%	70%	80%	90%	100%	100%	100%	100%	100%
		Obtain research grants from various Government sources such as AICTE, DST, UGC, DRDO, SERB, ISRO, RGSTC, BCUD of SPPU, Pune etc	30%	40%	50%	60%	70%	80%	90%	100%	100%	100%
		Consultancy Provide consultancy services (such as material testing, planning and design, technical third party audit, structural audit) in the various field of engineering such as Mechanical, Computer, Electronic & Telecommunication Engineering and Information Technology to Pune, Nasik, Mumbai Thane and Ahmednagar infrastructure firms, auto	10%	20%	30%	40%	60%	70%	80%	90%	100%	100%

		industry and other surrounding areas.										
		Work Under Unnat Bharat Abhiyan (UBA) and Unnat Maharashtra Abhiyan (UMA) and provide expertise to nearby Talukas, and raise revenue for the institute.	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
		Intellectual Property Rights (IPR) Encourage registration of IPR by providing financial support to students and faculty members.	30%	50%	60%	80%	90%	100%	100%	100%	100%	100%
		Internal Revenue Generation (IRG) Scheme **Goal**: Generate income for sustaining SKNCOE growth plan on a No-Profit basis to the tune of Rs.10 Crore by 2032.	10%	20%	30%	40%	50%	70%	90%	100%	100%	100%
		Introduce min. 30 hours/semester value addition technical programs using SKNCOE's infrastructure	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%

		in evening sessions after regular college hours										
		Introduce Competitive exams like GATE/ CAT/GRE/TOEFL etc. coaching to achieve at least 20% number of students at NIT/IIT/Any other reputed engineering or management colleges for PG.	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%
		Introduce Finishing School: 30 hour per semester courses on Soft Skills development for all streams of graduation under TPO for Placement and revenue generation.	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%
		Extend the IT infrastructure for conduction of various examinations by external agencies such as MPSC, UPSC, NTA, DTE, IBPO etc.	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%
2	**Strengthening Industry Institute Interaction**	**Internship Program** Promote industry institute interaction for students through internship programs.	60%	70%	80%	90%	100%	100%	100%	100%	100%	100%

			Organize guest lecture / seminar of industry personnel	50%	60%	70%	80%	90%	100%	100%	100%	100%	100%
			Industry Institute Interaction through Consultancy Provide consultancy services (such as material testing, planning and design, technical third party audit, structural audit) in the various field of engineering such as Mechanical, Computer, Electronic & Telecommunication Engineering and Information Technology to Pune, Nasik, Mumbai Thane and Ahmednagar infrastructure firms, auto industry and other surrounding areas.	20%	30%	40%	50%	60%	70%	80%	90%	100%	100%
			Get enrolled in the empaneled list of institutes recognized by Government of Maharashtra for consultancy and technical audit work.	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%

		Development of laboratories in association with industries through MoU Collaborate with industries in and around Pune for developing the laboratories as per industry standards.	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
3	**NAAC, NBA, ISO standardization**	With all credentials and Laurels achieved so far, apply for autonomy and achieve.	25%	50%	75%	100%	-	-	-	-	-	-
4	**Academic Autonomy**	With all credentials and Laurels achieved so far, apply for autonomy and achieve.	-	25%	50%	75%	100%	-	-	-	-	-

Perspective plan year wise progression proposed by Principal and approved by