



Sinhgad Institutes

SINHGAD TECHNICAL EDUCATION SOCIETY'S[®]

NBN SINHGAD TECHNICAL INSTITUTES CAMPUS

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra &
Affiliated to Savitribai Phule Pune University (ID No.-PU/PN/Engg/432/2012)

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A.Y. 2022-23 STRATEGIC PLAN

Preamble

Strategic planning is the skill of developing detailed plans, putting them into action, and then assessing how they worked with respect to of the Institute's overall short- and long-term objectives. It is a strategy that focuses on integrating all departments to achieve its strategic goals. The three essential phases that make up the development and execution of strategic planning are formulation, implementation and execution.

1. Scenario Overview on

Technology

Technology scenarios represent a comprehensive strategy for effectively managing innovation processes and technologies. Further, cognitive computing, artificial intelligence, virtual reality, and quantum computing will be upcoming scenarios.

Education

A paradigm changes from a teacher-centric to a student-centric teaching-learning process has started in engineering education. Additionally, multidisciplinary courses with technology-driven learning are offered in all traditional engineering disciplines. Use advanced teaching-learning strategies to attract students' interest in engineering education. A few of the improvements that could be introduced are: Partnerships between industry, professional bodies and institutions.

- ✦ Importance on outcome based education
- ✦ Development of innovative skills by practical and project based
- ✦ Training and skill development of the faculty members to enhance the quality of engineering education
- ✦ Periodical refresher courses
- ✦ Motivation
- ✦ Orientation programme for the fresher's by the senior students, Alumni and industry
- ✦ Professional ethics education
- ✦ Education on 21st century skills

Regulatory

For quality improvement in Higher Education Institutions (HEI), the Ministry of Human Resource Development, Government of India, has established NAAC under UGC. Further, National Education Policy (NEP) 2020 is about reinventing the education system. The focus of curriculums now needs to be on the content, context & community. At the same time, modernizing curriculum by integrating interdisciplinary areas with major focus on, self-learning, skill development, outcome based assessment and multi-disciplinary approach towards research is the future.

2. Strength, Weakness, Opportunity and Challenges(SWOC) Analysis

Strength

- ✦ NBNSTIC is a member of the Sinhgad Technical Education Society that has its own legacy and holds NAAC accreditation in cycle-1.
- ✦ A spacious central library with a vast collection of books, journals, and a digital library that provides access to e-journals on a global and national level.
- ✦ A 24-hour reading room is available in the central library with a cafeteria.
- ✦ Adequate infrastructure and laboratories as per the norms.
- ✦ Appropriate value addition activities for skill and employability development.
- ✦ Efficient training and placement cell with a good number of offers.
- ✦ MoU with industries for initiatives focused on students.
- ✦ Well established student mentoring scheme.
- ✦ Notable participation and achievements in co-curricular and extra-curricular activities by students.
- ✦ A safe-guarded environment for the students on campus.
- ✦ Strong sense of social responsibility among students and staff.

Weakness

- ✦ Less number of faculties with Ph.D. qualification.
- ✦ Limited support from Alumni.
- ✦ Less number of entrepreneurship development activities.

Opportunity

- ✦ Scope for creation of entrepreneurs through alumni contributions.
- ✦ Center of Excellence in select areas of engineering and management.
- ✦ Nearby industrial zone providing internships, placements, and exposure to entrepreneurs.

Challenge

- ✚ Limited scope for curriculum design and fulfilling employability skill requirements in line with
- ✚ changing industry demands.
- ✚ Improvement in placements in core industries
- ✚ To adapt to emerging technologies.

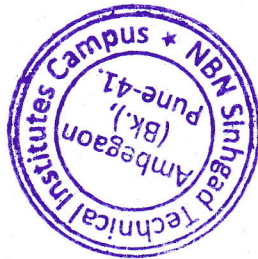
3. Strategic Goals

Sr. No.	Performance Indicator	Goal	
		Short term	Long term
1	Admission	100% of admissions with better cut-offs considering all branches	100% of admissions with 90 percentile cut-off considering all branches
2	Accreditation	To score more than 3.25 in order to be NAAC A+ accredited.	3 years NBA accreditation for all departments
3	Human Resource Development	Better student-faculty ratio and 1:2:6 cadre ratio	Better student-faculty ratio and 1:2:6 cadre ratio
4	Faculty Development	100 FDPs/ STTPs/ Workshops to be attended by the faculties 10% faculties to complete Ph.D.	30% faculties to complete Ph.D.
5	National and International Collaborations	Industry sponsored projects in each Department. Establish one National industry collaboration	One Industry sponsored laboratory in each Department Establish one International collaboration .
6	Entrepreneurship	Mentor at least one budding entrepreneur in a class of 60 students	Mentor at least one budding entrepreneur in a class of 60 students
7	Research and development	Organize one International Conference	5 interdisciplinary projects
8	Alumni Connect	5% involvement of alumni in Institute activities	Strong alumni network and introduce alumni-student relationship
9	Training and Placement	100% placements of the students	100% placements of the students with average package 5 LPA
10	Extra -Curricular Activities Sports	1/3rd of the students' participation in sports activities with the target: 2 awards at University level 5 awards at Zonal level	1/3rd of the students' participation in sports activities with the target: 2 awards at State level 4 awards at University level 6 awards at Zonal level

11	NSS	3 extensions and 1 outreach programs per year	5 extension and 2 outreach programs per year
12	Skill development	One skill development programs per department	One skill development programs per department
13	Cultural activities	1 awards at University level 2 awards at Zonal level	1 awards at State level 2 awards at University level 3 awards at Zonal level
14	Student Certification	10% of the students to complete Global certification courses	20% of the students to complete Global certification courses



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