



Sarvasiddhanta Education Society's



Swaminarayan Siddhanta Institute of Technology, Nagpur.

(AFFILIATED TO RTMNU & DBATU, APPROVED BY AICTE & DTE)



INSTITUTIONAL DEVELOPMENT PLAN



Swaminarayan Siddhanta Institute of Technology,

Nagpur-Katol Highway Road, Khapri (Kothe),
Tal: Kalmeshwar, Nagpur, Maharastra-441501



Ministry of
Education
Government of India



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)





INSTITUTIONAL DEVELOPMENT PLAN

2023-24 to 2027-28

SSIT

MESSAGE FROM THE PRINCIPAL



Dr. P. AGRAWAL

SSIT is governed effectively in tune with our vision and mission, providing quality education to develop world-class professionals. The cohesive team of faculty, students, and supporting staff, with visionary Management, strive hard to translate the vision into a reality.

The Institute provides a stimulating learning environment to achieve exemplary standards in Engineering and Management Education.

It is a significant moment for us, as we prepare the Institute Development Plan to assess our strengths, weakness, opportunities, and challenges, review our performance to set the goals, and plan a roadmap to achieve the set goals through the ten identified pillars. The plan reflects the transformation over five years, and we will revisit the plan to evaluate our success in pursuit of excellence.

I look forward to working with all stakeholders to build SSIT to meet the challenges and implement the Institute Development Plan with effective planning of activities.



SSIT



INTRODUCTION

Swaminarayan Siddhanta Institute of Technology formerly known as Nuva College of Engineering and Technology, Nagpur, was established in the year 2008 under the aegis of Sarvasiddhanta Education Society. Sarvasiddhanta Education Society was established in the year 2007 under the dynamic leadership of Mr. Sarang Raut, Secretary, to provide quality education in the field of Engineering and Management. The management team members have degrees in computer science, electronics and electrical engineering. MBA and have worked in USA, India, Canada, Australia, Singapore and Middle East. All the members of the Sarvasiddhanta Education Society are distinguished persons in their genre.

Swaminarayan Siddhanta Institute of Technology is self-financed institute approved by AICTE, New Delhi, and DTE Government of Maharashtra and affiliated to Rashtrasanta Tukadoji Maharaj Nagpur University. The institute offers four undergraduate engineering programs of four-year duration namely Mechanical Engineering, Electronics & Telecommunication Engineering, Computer Engineering, and Civil Engineering. Three departments namely Electronics & Telecommunication Engineering, Computer Engineering and Civil Engineering are also offering post-graduate program. The institute also offers post-graduate program, Master of Business Administration in management.

The institute have spacious, green campus spread over 4.70 hectare. Institute has well equipped laboratories, capacious library, internet facilities and various sport facilities.

The institution strives for quality Teaching-Learning process and strong academics which are executed by well qualified faculties. For complete development of students, institute intent to enrich students with updated knowledge by organizing seminars on contents beyond syllabus, value added programs, workshops, expert lectures, industrial visits and training programs etc. The emphasis is also given on personality development, cultural activity and sports.

As a social responsibility, free bus facility for girls and boy's student are provided. The management provide scholarship to the economically weaker students for empowering them to achieve academic and career goals by eliminating the economic barrier.



Vision & Mission

Our Vision

To emerge as an institute of academic excellence, creating technocrats with professional skills & human values.

Our Mission

1. To provide, nurture and maintain an environment of high academic excellence.
2. To inculcate research and entrepreneurship skills for aspiring students.
3. To develop the soft skills and professional skills among students, which will prepare them to face global challenges.
4. To imbibe the ethical and moral values among students to make them capable of handling societal problems.



STRENGTH, WEAKNESS, OPPORTUNITY AND CHALLENGES (SWOC)

INSTITUTIONAL STRENGTH

1. Driven by our mission statement of creating technocrats with professional skill and human values
2. Dedicated faculty with student centric approach
3. Adequate existing infrastructure
4. Quality infrastructure for Sports
5. Student-centric teaching and learning
6. Teachers strongly believe in lifelong learning
7. Harmonious relationships between members of the college administration, staff, students and parents
9. Wide range of extracurricular and co-curricular activities offered.
10. Analysis of student feedback and use to improve teaching processes
11. Optimal use of resources.
12. Teaching aids for ICT-supported teaching
13. Student friendly supporting/non-teaching staff
14. Consideration and facilities for people with disabilities
15. Gender-friendly premises
16. Environmentally friendly premises
17. Digital and updated Library.



18. Free Wi-Fi campus
19. Extracurricular Activity SWARANG and TECHKNOLEDGE
- 20 Xerox Facilities for students
21. Fees concession for Needy Students (Management Free ship Scholarship)
22. Most Active Women Cell.
23. Common Rooms for Boys and Girls.
24. Gym for Boys and Girls.
25. Active NSS Scheme

INSTITUTIONAL WEAKNESS

1. The Institute is located in a rural area, which poses certain limitations.
2. The Institute needs to collaborate with national, international Industry and Academia
3. There is a gap between the research expectations of the Institute and the support available.
4. The Institute lacks funding due to delay in scholarship amount, which is a major obstacle to its growth.
5. Very less consultancy projects
6. Enhancement Training and placement department with professional advisors who have global exposure to support students
7. Faculty Retention.
8. The Frequently Examination of Both Universities hampers Academic and curriculum Activities of students
9. Quality of Canteen Food.
10. PhD faculties in each Department

INSTITUTIONAL OPPORTUNITY

1. Digitally enabled Governance, Administration, Learning and Evaluation through ERP
2. Collaborating and consulting with institutes and industries of national and international repute
3. Exploring research collaboration opportunities with research institutions more number of FDPS/STTPS, National/International Level conferences and value added courses
5. Increasing consultancy projects
6. To get an Autonomous status for own college.
7. To start Reserch center. To run preparation class for Civil services and Government Jobs
9. To Activate Incubation centre for enhancement of getting Start up projects from both Faculty and students.

INSTITUTIONAL CHALLENGE

1. Keeping pace with rapid changes in higher education
2. Maintaining quality while providing access
3. Providing resources for marginalised students
4. Placement of students in core industries.
5. Generating resources for infrastructure and overall improvements
6. The tough competition with other private colleges and universities
7. Shifting of college to another good and prime Location NBA and RUSA Accreditation is a challenge for the college
9. Fewer admissions in core branches.

Main Objectives and Goals to be Achieved by IDP:



The IDP needs to reflect an integrated, comprehensive and holistic approach that is mindful of every Institution's unique vision/mission, context, life cycle stage, location, character, resources, environment, target group of students/ learners, other stakeholders and overall aspirations. The overarching purpose and aims of each unique institution are the key determinants of the mix of choices that will create excellence for that particular institution.

The main objectives of the IDP are: -

- ❖ To articulate a clear vision and mission of the institution and align these with the National Education Policy 2020, NCERF, SDG and the institute's educational and research activities and social objectives.
- ❖ To assess institutional developmental needs through wide consultative processes.
- ❖ To identify capacity (human, material and financial) and organizational gaps, based on the goals and priorities.
- ❖ To develop Annual Activity/ Capacity Building Plans to build capacity and remove gaps.
- ❖ To establish a transparent system for holistic, inclusive growth and development of the HEI through the application of all relevant tools, technologies and opportunities (esp Digital Technologies) for ensuring optimal utilization for overall balanced growth
- ❖ To establish ethos of wholistic lifelong learning and an operative framework to promote the better employability and entrepreneurship, by integration of skilling into Higher Education.
- ❖ Develop an operative framework to promote the Internationalization of education, international equivalence and exchange of faculty and students.

To ensure meaningful engagement of all stakeholders in the development and implementation of it

OUR PRINCIPLES AND VALUES

SSIT is committed to the following values:

- We are empathetic towards the needs and concerns of our stakeholders.
- We exercise academic flexibility and freedom without compromising duties and responsibilities.
- We create every relationship on the foundation of integrity and trust.
- We practice transparency and ethical behaviour in every act we perform.

OUR INSTITUTE DEVELOPMENT PLAN:

SSIT has and shall always aspire to achieve excellence in education and research that serve society. Since, its inception, SSIT has played a key role in creating highly skilled personnel that served the industry & society through their leadership, new knowledge creation, and entrepreneurial ingenuities.

We, at SSIT, always believed that the great institute can only be built on three aspects of its foundation viz. its Values, its People, and its Governance. Based upon this foundation we would like to build our institution to achieve our three core goals: Excellence in Education, Excellence in Research, and Excellence in Service to Society.

Here, we envisage an actionable way to reach these core goals. And we call them Pillars. We have identified ten pillars that are rock steady on the solid foundation and providing the way and support to reach the required heights. Yes, through these pillars we desire to reach the higher order of conduct.

ENABLERS FOR INSTITUTIONAL DEVELOPMENT

1. GOVERNANCE ENABLERS

- Decentralized, participative leadership structure with regular committee meetings.
- Strengthen ERP-based MIS for academic and administrative decision-making.
- Annual review by IQAC, Academic Council, and Governing Body.
- Regular conduct of internal and external administrative audits.
- Inclusion of stakeholders in planning and policy-making.

2. FINANCIAL ENABLERS & FUNDING MODELS

- Strive to achieve financial freedom through a comprehensive financial plan aligned with IDP.
- Raise funds through alumni, CSR, consultancy, and government grants (DST, AICTE, MSME).
- Host fundraising and cultural events.
- Establish seed funding and institutional research grants.
- Tap into endowments and industry sponsorships.

3. ACADEMIC ENABLERS

- Launch multidisciplinary and value-added certificate courses.
- Integrate NEP-aligned modular curriculum with multiple entry/exits.
- Encourage blended learning with MOOCs and LMS platforms.
- Establish Curriculum Steering Committee for regular updates.
- Include internship, EQ, ethics, and entrepreneurship in the curriculum.
- Monitoring of academic activities through internal and external academic audits.

4. RESEARCH & IPR ENABLERS

- Establish research centres and promote interdisciplinary projects.
- Organize national/international seminars and workshops.
- Set up IPR cell for patent filing and tech transfer.
- Partner with industries for funded research.
- Provide incentives for publications and patent achievements.
- Strengthening startup ideas through well well-developed incubation centre.

5. HUMAN RESOURCE & SUPPORTIVE ENABLERS

- Conduct regular FDPs, ICT, and soft skill workshops.
- Implement 360° performance appraisal and API for staff.
- Encourage Ph.D. attainment and post-doctoral pursuits.
- Launch mentorship and job rotation programs.
- Ensure wellness programs and faculty development support.

6. SUPPORTIVE INFRASTRUCTURE ENABLERS

- Upgrade classrooms to smart classrooms.
- Making the entire institute digitally enabled and energy-efficient.
- Construct new hostel blocks & improve the existing sports infrastructure.
- Implement waste management, solar energy, and water conservation.

7. NETWORKING & COLLABORATION ENABLERS

- Sign MoUs with national/international HEIs and industries.
- Involve alumni and professionals in curriculum framing and mentorship.
- Promote student/faculty exchange programs.
- Participate in national-level innovation and incubation networks.
- Collaborate with NGOs for rural outreach and societal projects.

8. STUDENT DEVELOPMENT ENABLERS

- Introduce goal-setting workshops, career guidance, and mentoring systems.
- Promote earn-while-you-learn initiatives.
- Conduct entrance and exit surveys to assess progress.
- Encourage participation in innovation contests, startups, and internships.
- Ensure inclusive admission, counselling, and financial aid.



SSIT

9. ENTREPRENEURSHIP ENABLERS

- Activate Incubation Centre and Institution Innovation Council (IIC).
- Conduct ideation contests, workshops, and startup mentorship.
- Encourage faculty-student joint ventures.
- Create various clubs and an e-commerce platform for student enterprises.
- Offer funding and recognition for innovative ideas.

10. ECO-FRIENDLY & SUSTAINABLE CAMPUS ENABLERS

- Establish green building norms and rainwater harvesting.
- Promote solar energy and e-resource adoption.
- Install waste segregation, composting, and recycling units.
- Develop botanical gardens and herbal parks.
- Create awareness on climate action through NSS and clubs.

