



## **SWAMI VIVEKANANDA INSTITUTE OF MODERN SCIENCE**

Sonarpur Station Road, Karbala  
P.O. & P.S. - Narendrapur  
Kolkata - 700 103  
An ISO 9001:2008 Certified Institute

Affiliated to MAKAUT, WB  
College Code: 264  
Ph: 033-2428-3035  
E-mail: info@svist.org  
Website: www.svims.org

### **Perspective Plan (2019-2025)**

The key elements of the perspective plan of the institute are the areas or pillars upon which this plan has to be executed. These pillars of the perspective plan helped the institute in the decision making process and look after it with utmost importance to ensure that the plan is aligned with its objectives. These pillars provided specific purpose for the institute, with substantial outcomes.

The Pillars for the perspective plan of the institute are, a) Research / Innovation Impact ; b) Quality and engagement ; c) Digital transformation ; d) Augmentation of infrastructure ; e) Growth and diversity.

#### **Research / Innovation Impact**

Research and innovation may have a significant impact on institute, as well as on the broader community. Institute is one of the basic building block of Research and Innovation, as it provide a space for researchers and students of the institute to use new ideas and make discoveries.

Objectives	Action to be taken
Enhance research impact by focusing on key research areas that are harmonious to the academic disciplines as offered by the institute.	By 2024, define six to eight specialized centers of research excellence that are aligned with the research themes.
Incorporation of research elements in teaching learning process to enhance the overall quality of the education in institute	Create Undergraduate Research Experience (URE) with ongoing research projects to initiate the project based learning.
Collaboration with other research centers and industries which may help to expand the reach of the institute.	Between 2018-23, few collaboration has already been made, more research- partnerships with national/international institutions in areas of research focus to be done with primary concern.
To be a leader in focused research areas	Increase journal publication, Organize national/international conference. Also motivate faculty members to participate.
Research and Innovation can also help internally in areas such as Entrepreneurship, Technology commercialization leading to IPR-generation.	Try to accumulate research grants from government or non-government sectors. Increase the Patent filling by faculty members.

#### **b) Quality and Engagement Impact**

Quality refers to the level of excellence of the Institute in terms of the quality of its faculty curriculum, facilities, overall development of students resources & outcomes.

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The Quality of faculty in the institute is one of the most important factors in the overall quality of education that a student receives. High-quality faculties who have strong academic backgrounds are well respected in their fields of teaching as well as in research.. A high-quality up-to date curriculum is organized, clearly structured, and designed to provide a comprehensive education in the subject area. CBCS (choice-based credit system) based curriculum framework should be built and conform to outcome-based learning methodology with clearly defined mapping of course-outcomes with program-outcomes. The most important factors for student retention are quality of teaching and student learning. High-quality Teaching is typically characterized by effectiveness of teaching, engagement with students, accessibility of faculty members, relevance of the study material provide by faculty member with curriculum and real world knowledge.

Objectives	Action to be taken
Attain and Retain Top-class Faculty	By 2024, Institute should have in place a strategy for attracting and retaining top talents by clearly defining compensation packages, support in research activities, academic freedom, excellent human resource policies, and processes. The attrition rate should be brought down to less than 5% by 2024.
Provide High-quality Teaching	By 2025 create a process of concurrent academic audit to ensure excellent classroom delivery by teachers. By 2024, achieve the metric that 90% of teachers score 4 points or higher on a 5-point scale during student feedback on teachers. By 2025, ensure that from the established FDP calendar, each teacher undergoes at least one FDP of five days duration in a year.
Ranking and Accreditation	Plan program-specific (NBA) Accreditations
Develop a High-quality Curriculum across all Programs in the Portfolio of the Institute	Try to develop benchmarked curriculum with CBCS Structure in alignment with Principles of Outcome based Education
Improve the Quality of Incoming Students	Provide excellent placement program so that an Application-to-Admission Ratio of at least 2:1 can be achieved by 2024. Improve the quality of student intake by establishing high admission standards, by ensuring at least 50% marks in the qualifying board examination for admission to undergraduate program.

  
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## c) Digital transformation


Application of Digital Technologies to fundamentally change the way of operation for an organization and delivers value to its stakeholders is known as digital transformation.

Objectives	Action to be taken
Provide for a Institute-class ERP	By 2024, Buy a robust ERP for Specific requirements of SVIST.
Create a Student Information System	By 2024, Buy or build a suitable SIS for the specific requirements of SVIST.
Deploy world-class LMS	By 2025, deploy a world-class LMS with full functionality including computation of CO-PO Attainment level.
Use Specific Software for Ancillary Services	Between 2024-25, deploy Specific software for Alumni connect, Career Services, Dynamic Time-tabling CRM, and Online attendance. By 2025, integrate all the elements such as ERP, SIS, LMS, and Software for Ancillary Services to give a seamless experience to Students, Faculty and Administrators.
Build a Robust IT Infrastructure Backbone with sufficient provision of Bandwidth	Create a Fibre Optic-based Hub and Spoke Network with sophisticated Routers, Access-points, Firewall and Servers. Provide at least 2 GBPS Bandwidth Internet

## d) Augmentation of infrastructure

Expansion or improvement of physical facilities, such as Classrooms, Laboratories, Libraries, and other Buildings-Spaces in institute is referred as Augmentation of Infrastructure.

Objectives	Action to be taken
Revamp and Modernize Laboratories, Library, and other Academic Spaces	Labs to be modernized with space and equipment and to develop some state of art research labs. Expand various Computer Labs to meet the growing demand of Computer Science Students. Library management system has to be made up to date and made it familiar to all students.
Modernizing the Student Halls of Residence/ Hostels	Improve the look, feel, and habitability of Hostels/Student Living Areas

  
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Revitalizing the Exteriors and Interiors of the Existing Buildings	By 2025, modernize the Facade of Existing Buildings along with the improvement of interiors to give a premium look.
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## e) Growth and diversity

The Growth and Diversity of a university are important factors in its overall quality and success. Growth can be measured in terms of the number of students, faculty, and staff, as well as the expansion of facilities and resources.

Objectives	Action to be taken
Increase Diversity of Student Body	Increase the percentage of women students, and promote the enrolment of students from socially and economically weaker section of the society by provide them with financial support from various government sectors or avail them a free of cost education.
Support the Growth	Hire more faculty, enhance student-support services, increase outreach activities, enhance the number of internships and career-opportunities; add more extracurricular activities in each courses. Between 2019-25, progressively build the profile of the faculty by hiring best-in-class scholars, improve the cadre ratio and the research and academic profile of new faculty.
Implementation of student self support system	By 2025, build or buy a robust automated Student Self support System to enhance Student-support Services. By 2025, at least 75% of the undergraduate students should receive some form of financial assistance ship, i.e. scholarship to improve quality of living of students belongs from Weaker Socio-economic Backgrounds.



  
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