

NSF Strategic Plan 2024 -2028: Analysis

Dr. Sepalika Sudasinghe- DG/CEO National Science
Foundation

Presented by

Dr. Shantha Siri

Additional Director(Cover-up)

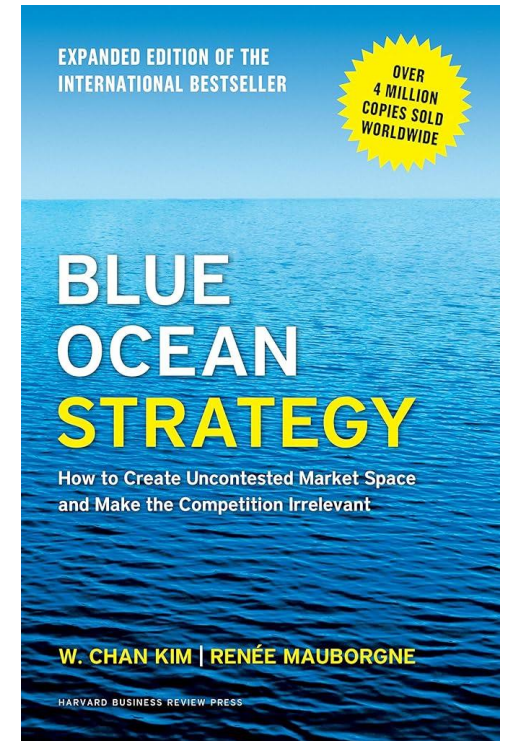
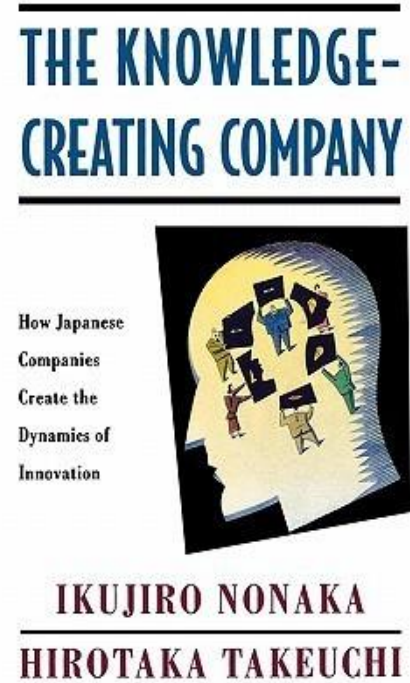
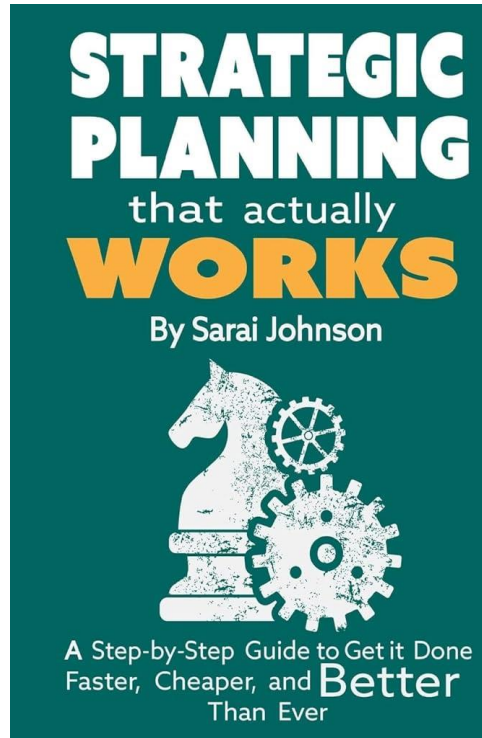
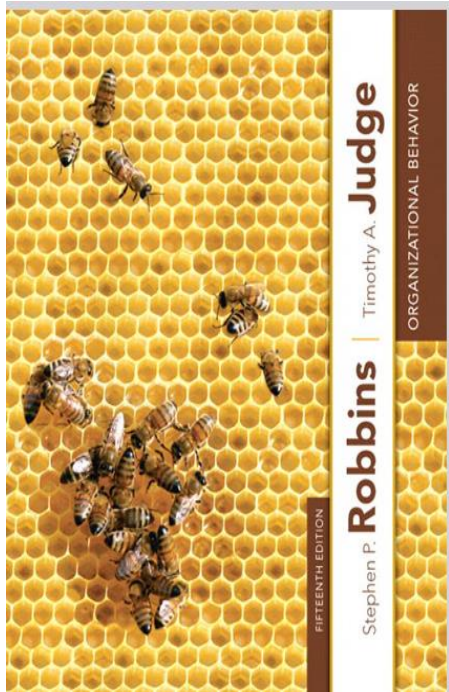
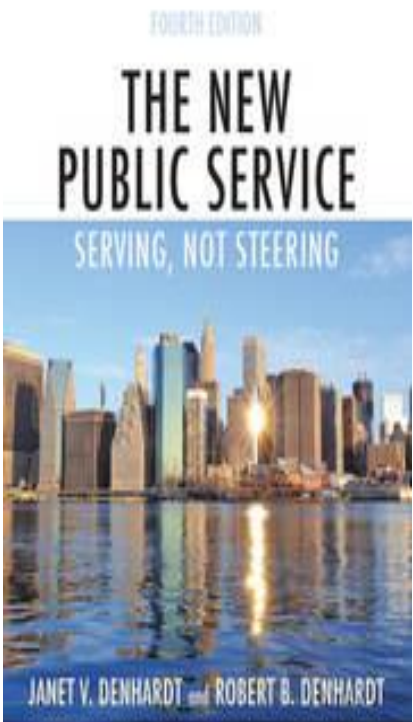
To the Board of Management on 19 December 2023



Background: Considerations

1. The increasingly complex scientific questions that our society will face in the future.
2. Publicly funded organization, NSF has a responsibility to be a good steward of the funds entrusted to us by the taxpayers.
3. 'The New Public Service' (Denhardt & Denhardt, 2015).
4. The 'Digiecon 2030' the government regulatory policy framework
5. Relevant national policies considered in identifying priorities.
6. Consideration cutting-edge international best practices, innovative approaches and benchmarks with special attention to the 'Blue Ocean Strategy'(Chan Kim, 2004).
7. Further the management philosophy of 'knowledge creating company (Nonaka and Takeuchi) is well considered as a foundation in developing strategies.
8. The Strategic Plan 2019-2023, Organizational Result Framework (ORF) and;
9. Sustainable Development Goals (SDGs) also shed light in the process.

Theoretical Foundation



Vision : Analysis

The vision statement of NSF demonstrates it is more than supporting and funding researches the institution also directs the appropriate research with a transformative potential. It also depicts that it influence through its leadership in research, innovation and science education for the economic and social prosperity of SL .

NSF vision statement comprises of the following components:

1. Science and technology and innovativeness. NSF vision statement indicates that the foundation recognizes science and technology innovations as its core activity. It motivates and encourages science-based innovations to improve the wellbeing of the people. Particularly, the foundation has gained prominence in advancing this component of its mission through its funding as well as initiating programs. In this, way, NSF sees itself as a dependable facilitator of transformative research and science education.
2. Leader. The vision statement of NSF shows that it seeks to have and to be an influential leader / entity in local setting to global reach. To achieve this, NSF has expanded its research scope and other mandated activities beyond the national borders. Performance of its identified Divisions and Units are the reflection of NSF effort towards the realization of economic and social prosperity of Sri Lanka in its vision statement.

Vision

Be the nation's premier driving force in promoting Science, Technology and Innovation for economic and social prosperity of Sri Lanka.

Mission: Analysis

The mission statement is a brief breakdown of the key responsibilities of NSF in the research and science education realm. It also highlights the scope of its operations and how they interrelate. Various critical points make up this mission statement as follows;

Wellbeing of citizens of Sri Lanka.

- NSF primary focusses on stimulating scientific and educational changes that eventually lead to the improvement of general life. To satisfy this factor, the NSF promotes evidence-based research and supports entities and individuals towards discovery of approaches that improve the overall living conditions in all communities. It has funding schemes that supports research, education and innovative projects every year.

Outstanding leadership for top quality services.

- NSF categorically considers itself as a change-minded leader, and its mission reflects its goals for transforming research and education. The NSF promotes integrated partnerships that are not only diversified but also accommodative of all people irrespective of their personal characteristics. The emphasis here is leading researchers and institutions to create change with significant and worthwhile impacts in the society. In this regard NSF functions as a learning organization which enables all areas to work together towards a common vision starting with diversification and creation of a sense of inclusivity within the institution.

Mission:

“Promote progressive advancement of the science, technology and innovation eco-system to ensure wellbeing of citizens of Sri Lanka by;

- Research, development & innovation and capacity building in all fields of sciences including social science,
- Information dissemination and knowledge mobilization,
- International cooperation and partnerships well connected with the global value chain,
- Science popularization and promoting science education,
- Policy research and providing evidence-based information for policy formulation on science, technology and other fields
- Whilst meeting stakeholders’ expectations, nurturing a competent staff, ensuring core values and principles of sustainability”.

Guiding Principles: Analysis

1. To fuel the national development, NSF will continue to support the highest caliber research, capacity building and science education while at the same time take prompt steps to uphold the transdisciplinarity and science diplomacy.
2. NSF will further enhance the science of tomorrow by continuing its efforts to build a next generation of researchers that better reflects the creativity and innovation.
3. The NSF will also facilitate endeavors towards making nation's skilled Science, Technology, Engineering, Arts and Mathematics (STEAM) workforce with engagement of school community, TVET sector, communities, and individuals.
4. It is envisaged that NSF will become the digital hub and will continue to strive through digital platforms of interoperability, scalability, transparency, inclusiveness and accessibility.
5. NSF will work as a trend setter in terms of green concepts, circular economy, reduced carbon foot print to lead Sri Lanka to a sustainable nation.

Guiding Principles:

Scientific leadership; collaboration and co-creation; responsiveness; integrity and inclusiveness; sustainability and good governance

- NSF values depict its guiding principles that enable it to propel the institution to prosperity within its scope of operations.
- The following components emerge from NSF core values. NSF is driven by the desire to promote change through innovations.
- To achieve this, fostering an innovative climate where researchers can advance and adapt through research and development contributing to socio economic development.

Strategic Goals : Analysis

- Research funding and S&T capacity building addressing national priorities; facilitating technology development, transfer and R&D commercialization;
- Be the center of excellence for dissemination of STI information;
- Be the leader in popularizing STI amongst school community and general public; be the key gateway in promoting global partnerships and people centric learning organization.
- Objectives and strategies are designed to work with academia, industry (public Private partnerships), public engagement, international STI organizations and other partners to ensure that it will bring forefront of scientific discovery and technological advancements as solutions addressing high priority national concerns and needs of the industry and the society.

Strategic Goals

- Goal 1 : To be the premier scientific organization for research funding, grant administration & management and S&T capacity building addressing national priorities.
- Goal 2 : To lead in facilitating technology development, technology transfer, R&D commercialization, intellectual property protection & exploitation.
- Goal 3: To be the center of excellence for the collection, analysis, interpretation and dissemination of STI information whilst using modern ICT platforms
- Goal 4 : Be the leader in popularizing STI amongst school community and public to improve science literacy and promoting science education
- Goal 5: To be the key gateway in promoting global partnerships and harnessing foreign funding for STI development.
- Goal 6: To be a people centric learning organization with improved governance, management and competent scientific, administrative, technical & support staff

Implementation

- NSF will achieve new heights through our skilled and talented workforce, team spirit, diversity, borderless work environment that embraces more flexibility and agility for employees to work which will ultimately allows us to better achieve our Mission.
- Following the course of actions chartered in the NSF Strategic Plan 2024-2028, NSF will meet the complex challenges of the future and continue to accomplish the unprecedented frontier knowledge and breakthrough innovations.
- Thereby NSF to become the role model in providing STI solutions at speed and scale contributing to the socio-economic development of the country.

Thank you