

IMPLEMENTATION FRAMEWORK: 2021-2023

The elements are to be taken into consideration in the implementation framework managed by the NSF, considering an initial phase of action. These elements should be revisited based on the feedback and the lessons learnt during the initial phase.

A) Information

- Establishment of an Information portal accessible to general public
- The portal to contain information on applied research and development type
- The information to contain
 - i. Demand side research & development needs based on nationally prioritized thrust areas, current market trends of export value/import substitution, value addition to local resources
 - ii. The Thrust areas in Annex 4 to form the basis for above (i)
 - iii. Supply side research seeds based on innovative research capabilities, proven outcome of academia, research & development institutes, entities in inventions
- The information to indicate a brief description to give an insight to attract interest and affiliation enabling the initial contact
- The portal to be maintained by an independent entity, in a transparent and professional manner (due to some sensitive competitive information) and to be dynamic
- Ensure sustained actions to maintain the dynamic nature of the portal
- The portal to have a track of number of visits and followed up by NSF

B) Promotion and Facilitation

- A responsible sub-unit to be formed to initiate the connection between need-side with the capacities of the seeds (bridging the death valley or initiate new connections), example - engaging the UBL Coordinators and industry team leads etc
- Establish a mechanism/process to appoint Coordinators for the prime task of making the connections Need-Seed, based on the entire value chain using

competitive advantages, collaborating potential, commercialization potential, value addition, level of impact etc

- The sub-unit to keep an initial follow-up and learn the issues/barriers for success or failures to continue
- Develop skills of IP creation & management, business development, legal, finances through information and support on the innovative eco-system
- Establish/provide mechanism to develop/mobilize capacity related to the related eco-system encompassing aspects of IP- creation, management, legal – Agreements, Licensing, Revenue sharing, Financial – Bankability, Business case, Risk Assessment, Marketability etc.
- Connect regional/international entities for partnerships/joint ventures based on the competitive strengths
- Incorporate Quality element into the value chain
- Stakeholder consultation
- Showcase success stories and address root-causes of failures

C) Impact Management

- The responsible sub-unit to monitor/observe progress the initiated connections using a suitable tool at various stages of the value chain
- Assist suitable actions to rectify and keep a track and evaluate with respect to the intended project goals

D) Finance

- Provide information about Grant opportunities and financing
- Provide information on International and national agencies for development oriented research - EU, USAID, ADB
- Provide information on development financial entities – NDB
- Engage FINTECH expertise in exploring financial assistance

E) Policy

- Establishment of policy elements related to implementation framework
- Policy on appointing coordinators for the sub-unit

F) Performance assessment of the Actions of the Framework

- Establish typical KPIs for the critical elements
 - I. Establish baselines
 - II. Time line to establish information platform
 - III. Number of connections initiated
 - IV. Percentage of successful progressions
 - V. Percentage reaching final goals
 - VI. Value addition to the industry
- Establish review timelines (monthly, quarterly, annually) with agreed timeframes for corrective actions/ next steps for both the sub-unit and NSF team