

Alternative Policy Recommendations

- Creation of Separate Ministry for R&D for Coordination of wings in S&T like DST,DAE,DOS,DoBT,MoE,DSIR and institutions like ICAR,ICMR,CSIR,NBPGR etc.
- coordinate and collaborate with other ministries/programmes for inventions/innovations as per their need.
- Infrastructure development including establishment of new institutions and centers of excellence
- Fix up the role of the different Institutions/Academies/Sectors, etc
- a Common Action Plan(CAP) be developed with proper allocation of their roles and resources for adopting the Step wise implementation strategies.

Alternative Policy Recommendations

- National Innovation Fund
- To remove the blocks and breakers of implementation in proper involvement of Public Private Partnership.
- Independence and accountability for research programmes; area specific and people specific strategies; social security for the entrepreneurs
- Strengthening of the universities especially in the states is important. “Universities are cradles of basic Research” To identify key department and individuals and work around them to raise the efficiency of average institutions.
- Popularisation of science: NISCOM-Vignan Pragati
- Establishment of Science Museums.

Supporting and nurturing excellence; younger generation

- Introduce radical change in education system: make science communication compulsory in the school/college curricula.
- A large number of students should be sent regularly on a planned basis to different laboratories in India forexposure(Bharat darshan).
- The recruitment system in the Universities/IITs/ICAR/ICMR etc to be amended to give space to innovators.
- Technical Support System (TSS) should be introduced to support the researchers/scientists to save their productive time and energy.
- long term funding should be provided for research to individuals who have established themselves.

Identification and implementation of some Missions of relevance to the nation

- **Energy sector:** New technology in Transmission
- **Non Conventional Energy Sources:** WIND, SOLAR, Energy from Wastes, BIOMASS, Biofuels, Tidal Energy, Geo Thermal energy.
- **Nuclear Energy.**
- **Utilisation of our marine coast line .**
- **Agriculture:** Efficient mechanized operation, Cropping patterns, post harvest processing facilities, Drought resistant seeds, Essential activity for future plant breeding.
- **Bio Technology**
- Linking innovations, products and the delivery systems will be profitable to have larger social impact. Involvement of industries is critical in these efforts