


Higher Education for Atmanirbharta


The Concept of Atmanirbharta or self reliance
has direct bearing for higher education.

The Apex level in Edn. Structure

- ▶ This apex level in education structure is defined to provide:
 - ▶ latest knowledge of various fields, developing critical and analytical thinking and application of knowledge for development of economy, people and society.
 - ▶ It stands for questioning, constructive criticism and reasoning and working for excellence and wellbeing of mankind.
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Key role Areas

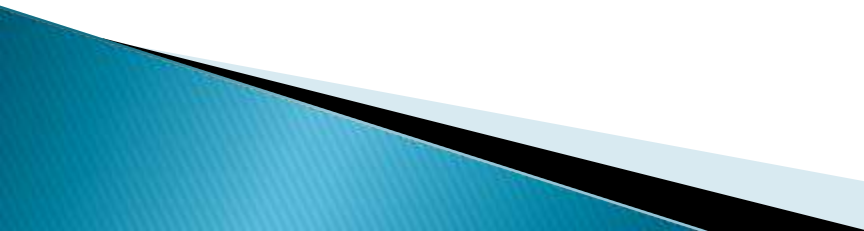
In the present challenge of “self reliance “the higher education can play a key role in the following areas:

- ▶ Agriculture science , environment, food processing, farmers’ education and skills development to make the sector competitive globally
 - ▶ Engineering sciences to improve manufacturing and productions of goods, finding the new energy sources and new methods of distribution
 - ▶ Economic studies and research to assess the enhancing the productivity with least cost and analysis of areas of dependence and methods to reduce the dependence in trade.
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Key role Areas (Contd.)

- ▶ Health sciences to help solving the human and animal health problems and their management
- ▶ New technology related to AI, AoT, Quantum Computing and computer –biotechnology interface and systems of communications.


India has advantage in Satellite communication and it should advance it further as the future of communication is through satellites.




Action Plan for Students

- ▶ Providing generic and specific knowledge, skills and aptitude to students to deal with the problems of development of regions where the institutions are located.
 - ▶ Encourage them to do innovative and out of box thinking to deal with challenges to become self reliant
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Action Plan for Students(contd.)

- ▶ Involve students to document the knowledge of indigenous solutions and use of science to refine and modify to make such solutions universally applicable
 - ▶ Prepare them to deal with emerging AI, IoT and computer –biotechnology interface and quantum computing
 - ▶ Provide opportunity to do field activity for each under graduate and PG students in respect of their fields of studies. This should include: business, industry, agriculture, social, economic and political organizations to study, understand and improve various vocations and professions
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Action Plan for Teachers

- ▶ Engage in documentation of indigenous knowledge in their fields of studies and critically assess their usefulness or otherwise in helping people to solve their problems
 - ▶ Engage in communicating and transferring the knowledge innovatively through modern communication systems and technology of teaching and learning with focus on application and problem solving
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Action Plan for Teachers (Contd.)

- ▶ Engage in research for creation of knowledge and its application for development of the relevant sector of their specialization
 - ▶ Analyze the areas and aspects where India is dependent on other countries so to assess whether India can competitively develop in that area/ aspects keeping in view their specialization and interest
 - ▶ Encourage peer group and students to have pride in locally produced goods and services and help improving them, wherever required.
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Action Plan for Organizations/Institutions

- ▶ Change system of governance from mistrust, trust deficit to trust in teachers, students and staff
 - ▶ Create a system of mutual respect and hand holding for those who need support
 - ▶ Provide adequate financial support to enable the system to implement schemes and programmes
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Action Plan for Organizations/Institutions (Contd.)

- ▶ give enough scope for experimentation and exploration to teachers in their respective fields
 - ▶ Give autonomy to do their work and never micro manage the system.
 - * Decentralize the system of higher education with regard to :
Governance, Funding, Admission and Evaluation of students , Quality Assurance and Assessment.
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Open for Questions

- ▶ Thanks
- ▶ We welcome your questions
- ▶ GD Sharma