Propositions for Improving Quality Of
Higher Education in India

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Introduction

After independence, the number of institutions of higher education in all disciplines has increased enormously. Quantitative growth, however, has allowed us to address key quality issues. India is now one of the fastest developing countries in the world, with an annual growth rate of over 9%. To maintain this growth rate, we need to increase the number of institutes and improve the quality of higher education in India. There is an urgent need to rethink financial resources, access and equity, quality standards, relevance and, ultimately, the capacity to respond to reach and meet future requirements.

Certain components are particularly appropriate to achieve and maintain national, regional or international quality. Careful personnel selection and continuous staff development must be done, especially by providing appropriate programs for academic development, including teaching / learning methodologies and mobility between countries. It provides information on the mobility of students between institutions of higher education and the world of work, as well as between countries and countries. Whenever possible, international and independent experts should conduct internal self-evaluations and external reviews publicly.

The report of the National Commission of Knowledge can improve the education sector in India. We are moving to an era defined by the parameters of knowledge and wisdom. India will become an advanced country by 2020 and will have a knowledge base by 2015. The decision on these will be the key to India's future as a knowledge production center. We need people with higher education who are trained and able to develop the economy. If India can provide qualified people to the outside world, we can move our country quickly and easily from the developing world to the advanced world.

There are some suggestions and expectations from governments, industries, educational institutions, parents and students to improve the quality of higher education.

Industry and Academia Connection- Industry and Academia connect necessary to ensure curriculum and skills in line with requirements. Skill building is really very crucial to ensure employability of academia to understand and make sure good jobs (keeping in view knowledge + skills+ global professional skills = good jobs).

Incentives to Teachers and Researchers- Industry and students are expecting specialized courses to be offered so that they get the latest and best in education and they are also industry ready and employable. Vocational and Diploma courses need to be made more
attractive to facilitate specialized programs being offered to students. Incentives should be provided to teachers and researchers to make these professions more attractive for the younger generation.

**Student-Centred Education and Dynamic Methods**- Methods of higher education also have to be appropriate to the needs of learning to learn, learning to do, learning to be and learning to become. Student-centred education and employment of dynamic methods of education will require from teachers new attitudes and new skills. Methods of teaching through lectures will have to subordinate to the methods that will lay stress on self-study, personal consultation between teachers and pupils, and dynamic sessions of seminars and workshops. Methods of distance education will have to be employed on a vast scale.

**To Provide Need Based Job-Oriented Courses**- All round development of personality is the purpose of education. But the present day education is neither imparting true knowledge of life and nor improving the talent of a student by which one can achieve laurels in the field one is interested. So, combination of arts subjects and computer science and science and humanities or literature should be introduced so that such courses could be useful for the students to do jobs after recruitment in some companies which would reduce unnecessary rush to higher education. The programme must be focused on graduate studies and research and developing strategies and mechanisms for the rapid and efficient transfer of knowledge and for its application to specific national and local conditions and needs. Meritorious doctoral students should be recognized through teaching assistantships with stipends over and above the research fellowships. Finally, based on knowledge only vision of the future life and work can be had; based on this vision only a broad ambition can be fixed for oneself; and based on this ambition only one can lead interesting life doing satisfying job to do remarkable achievements in some field in the world.

**International Cooperation**- Universities in India have been a primary conduit for the advancement and transmission of knowledge through traditional functions such as research, innovation, teaching, human resource development, and continuing education. International cooperation is gaining importance as yet another function. With the increased development of transport and communication, the global village is witnessing a growing emphasis on international cooperation and action to find satisfactory solutions to problems that have global dimensions and higher education is one of them.

**Towards a New vision**- India realizes, like other nations of the world, that humanity stands today at the head of a new age of a large synthesis of knowledge, and that the East and the West have to collaborate in bringing about concerted action for universal upliftment, and lasting peace and unity. In this new age, great cultural achievements of the past have to be recovered and enriched in the context of the contemporary advancement so that humanity can successfully meet the evolutionary and revolutionary challenges and bring about a new type of humanity and society marked by integrated powers of physical, emotional, dynamic, intellectual, ethical, aesthetic and spiritual potentialities.
Public Private Partnership- PPP is most essential to bring in quality in the higher education system. Governments can ensure PPP through an appropriate policy. University Grants Commission and Ministry of HRD should play a major role in developing a purposeful interface between the Universities, Industries and National Research Laboratories (NRLs) as a step towards PPP. Funding to NRLs by the government should ensure the involvement of institutions of higher education engaged in research activities to facilitate availability of latest sophisticated equipment. There has been some effort both by the government and the private education institutions to develop the teaching staff at various levels. However, this needs to be intensified with appropriate attention to all the aspects related in order to prepare quality and sufficient number of educational staff. Such efforts need a very serious structuring for the research base institutions. We have to be optimistic that private-public partnership and the Industry interface will take place in the field of education at all levels, and particularly in the backward regions, which is the need of the hour. To achieve excellence, we thus need to create a real partnership between government, educators and industry—Partnerships that can provide our high-tech industries with skilled workers who meet the standards of their industry.

Innovative Practices- The new technologies offer vast opportunities for progress in all walks of life. It offers opportunities for economic growth, improved health, better service delivery, improved learning and socio-cultural advances. Though efforts are required to improve the country’s innovative capacity, yet the efforts should be to build on the existing strengths in light of new understanding of the research-innovation-growth linkage.

Towards a Learning Society- As we move towards a learning society, every human activity will require contributions from experts, and this will place the entire sector of higher education in sharp focus. Although the priorities, which are being assigned today to the task of Education for All, will continue to be preponderant, the country will have to prepare itself to invest more and more on higher education and, simultaneously, measures will have to be taken to refine, diversify and upgrade higher education and research programmes.

To mobilize resources- The decline in public funding in the last two plan periods has resulted in serious effects on standards due to increasing costs on non-salary items and emoluments of staff, on the one hand, and declining resources, on the other. Effective measures will have to be adopted to mobilize resources for higher education. There is also a need to relate the fee structure to the student’s capacity to pay for the cost. So that, students at lower economic levels can be given highly subsidised and fully subsidised education.

Coming of Information Age- The world is entering into an Information Age and developments in communication, information and technology will open up new and cost-effective approaches for providing the reach of higher education to the youth as well as to those who need continuing education for meeting the demands of explosion of information, fast-changing nature of occupations, and lifelong education. Knowledge, which is at the heart of higher education, is a crucial resource in the development of political democracy, the struggle for social justice and progress towards individual enlightenment.
12. **Cross Culture Programmes**- After education, tour to all the places in India and world as far as possible with the cooperation of government is necessary so that one can understand about people, culture, arts, literature, religions, technological developments and progress of human society in the world.

13. **Action Plan for Improving Quality**- Academic and administrative audit should be conducted once in three years in colleges by external experts for ensuring quality in all aspects of academic activities. The self-finance colleges should come forward for accreditation and fulfill the requirements of accreditation. Universities and colleges should realise the need for quality education and come forward with action plan for improving quality in higher educational institutions.

14. **Individuality**- The life of one will not be interesting but rather boring, monotonous and frustrating. This is mainly due to parental interference in the education of the children. Parental guidance is necessary but it should not interfere in the creativity or individuality of the students. Also, in spite of the obsolete type of education system, some are achieving wonderful things in Sports, Music, Dance, Painting, Science and Technology in the world. This is only due to the encouragement of the parents and some dedicated teachers in the educational institutions. Higher education is necessary for one to achieve excellence in the line one is best. But one should be selected for higher education on the basis of merit only. Further, fees for education in general should not be high; especially, the fees for higher studies should be within the reach of every class of people in the nation.

15. **Privatization of Higher Education**- In any nation education is the basic necessity for the socio-economic development of the individuals and the society. In reality only 20% of the population is educated in India. So, improved standard of education as first priority should be offered to the majority by the govt. authorities with sincere political will. Also, privatization of higher education is absolutely necessary in a vast country like India as government alone is helpless to do so.

16. **Quality development**- Quality depends on its all functions and activities: teaching and academic programs, research and scholarship, staffing, students, building, facilities, equipments, services to the community and the academic environment. It also requires that higher education should be characterized by its international dimensions: exchange of knowledge, interactive networking, mobility of teachers and students and international research projects, while taking into account the national cultural values and circumstances. The level of education and knowledge being imparted by many colleges...is not up to the mark. Instead of concentrating on quantity, these institutions should concentrate on quality. The approach of doctoral research in social sciences needs to be more analytical and comparative and be related to society, policy and economy. A study conducted on Social Science Research Capacity in South Asia (2002) showed that the share of the Indian universities in the special articles published in the Economic and Political Weekly was only about a 25 percent. This too was dominated by only three universities, namely-Jawaharlal Nehru University, University of Mumbai & University of Delhi.
17. **World Class Education** - Indian government is not giving priority to the development of Standard in education. India should aspire for the international standard in education. Many national universities like in the USA, UK, Australia, etc. allow studies in higher education for foreign students in their countries and through correspondence courses as well. In the same way India Universities of world class education can also offer courses of studies to foreign students taking advantage of the globalization process. To achieve that goal it should adopt uniform international syllabus in its educational institutions.

18. **Personality Development** - Finally, education should be for the flowering of personality but not for the suppression of creativity or natural skill. In the globalized world opportunities for the educated people are naturally ample in scope. As a result business process outsourcing (BPO) activities have increased competition in the world trade leading towards the production of quality goods and their easy availability everywhere in the world market. That is the way the world can be developed for peace, prosperity and progress by able and skilful men.

19. **Status of Academic Research Studies** - If we see the number of researchers engaged in Research and Development activities as compared to other countries we find that we have merely 119 researchers, whereas Japan has 5287 and US has 4484 researchers per million of population. Even in absolute terms, number of researchers in India is much smaller compared to US, China, Japan, Russia, and Germany. Numbers of doctoral degrees awarded in all subjects are 16, 602 out of which 6774 are in Arts and 5408 in science and rest in others (professional subjects). India has a little over 6000 doctorates in Science and engineering, compared to 9000 in China and 25000 in US. It increased rapidly from a little over 1000 in 1990 to over 9000 in recent years in China. In comparison, there has been a modest increase in India. National Science Foundation (NSF) - Science and Engineering Indicators (2002) shows that in the US, about 4% of the science and engineering graduates finish their doctorates. This figure is about 7% for Europe. In India this is not even 0.4%. Data on doctorates particularly in science, engineering and medicine suggests that only a few institutions have real research focus. In engineering there were merely 650 doctorates awarded in 2001-02. Of these 80 percent were from just 20-top universities. In science, 65 percent of the doctorates awarded were from the top-30 universities.

20. **Stipends to Research Fellows** - The number of Ph.Ds from Indian Universities should increase with proper standards. This should be seen in the context of extremely low fraction of Ph.Ds in India in relation to M.Sc. /B.Tech. As compared to what it is in USA, UK, Germany, Japan etc. Meritorious doctoral students should be recognized through teaching assistantships with stipends over and above the research fellowships Identifying talented, meritorious students and encouraging them through recognition is very important to attract students into research and teaching.

21. **Fair Quality Assurance System** - Colleges and Private institutes should set up Internal Quality Assurance Cell and must follow a minimum standard to give degrees. The quality assurance system must be independent of political and institutional interaction and it must have a basis in the legislation. There should be operational, financial and academic
autonomy coupled with accountability. There is a need of an independent accreditation agency with a conglomerate of government, industry, academia, society etc. means all stakeholders of the education to ensure that the stakeholders particularly the students are not taken for a ride. They should be able to know whether a particular institution delivers value or not, then things can be under control to some extent. It is also important that all institutes of higher learning must make public the acceptability of their courses and degrees. (i.e. the status, recognition and acceptability of their courses by other institutions).

22. To increase Quantity of Universities - We need more universities because we are more in number and present number of universities is too less. On 13th June, 2005 Government of India constituted a high level advisory body known as National Knowledge Commission (NKC) to advise the PM about the state of education in India and measures needed to reform this sector. It was headed by Sam Pitroda and submitted its report in November 2007. NKC has recommended setting up of 1500 universities by 2015 so that gross enrollment ratio increases to 15 percent. It has also called for establishing an Independent Regulatory Authority for Higher Education (IRAHE) to monitor the quality of overall higher education in India.

23. Examination Reforms - Examination reforms, gradually shifting from the terminal, annual and semester examinations to regular and continuous assessment of student’s performance in learning should be implemented.

24. High-tech Libraries - Our university libraries have a very good collection of books, but they are all in mess. A library must be online and conducive for serious study. Indian universities should concentrate more on providing quality education which is comparable to that of international standards.

Reference