

Quality Improvement in Higher Education for Students Development in Rural Area—With Respect to Information Technology Area

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Abstract-

Students in rural area are lacking behind in the important area of Information technology due to lack of infrastructure , poor knowledge of English and non availability of Computer Experts to teach them these skills. Authors have taken a brief review about this topic in this research paper. Quality enhancement through technological development is need of the time now. Students are now asking for the grades of various Institutes before taking admission. The Higher education is now important sector which serves the young generation of the country. Various quality control bodies are playing important role in a managing quality activities .Accrediting bodies for the accrediting of the Institutes in Higher education sector is the need of the education sector since quality awareness has been seen in the minds of stakeholders like parents, students, companies/employers and society at large. In the country higher education has become the important sector which shapes the academic career of the youth. In India NAAC, NBA and ISO are widely accepted accrediting agencies with number of Institutes going for accreditation . This trend is growing rapidly . Information Technology consist of Computers, mobiles and other information devices for use of the society. The awareness of quality in higher education has forced the Institutions to go for accreditation from different bodies. The main drawbacks of rural youth are level of confidence, language knowledge and financial problem . If these problems are solved at early age the productivity of the youth can be improved.

Keywords- *Quality, Quality Policy, Rural Development, Higher Education, AICTE, NAAC, NBA, ISO, Assessment,*

I. INTRODUCTION

The Education sector needs to be of very quality consciousness and its shapes the career of the youth. Any poor quality related with this area directly affects the employability of the students passing out from these Institutes .

The Higher Education is important sector in India which is huge in size and difficult to manage. The Higher Education in India is in state of transition. The market of the Higher education is increasing and attracting the stakeholders to take the benefit of the global marketing in higher education sector. The Institute have to provide best education in minimum cost. The students also are attracted to good Institutes only. In order to implement the quality measures the agencies have to look into facility of infrastructure provided for training . The quality of the faculty in terms of teaching capability and research attitude, Social attachment and relevance to the society , uniformity in accreditation and placements of the students in the good companies are the major demands of the education system . The role of government is also very important in terms of providing the concessions , controlling the activities of the Institutes providing grants to faculty in research and extension activities.

The Rural development is linked with education and if education sector provides skilled youth the resources of rural villages can be utilized properly to get the benefit of the available resources and reduce the load of burden on urban cities.

II. THE EDUCATIONAL INSTITUTES AND RURAL DEVELOPMENT

Education is backbone of any development . Rural development can not be achieved with out involvement of educational Institutes.

Role of IT in Technological Developments with respect to Information Technology

Various IT tools are available which include hardware , software , operating systems and special purpose system to check the quality of the higher education sector. AICTE web portal is one of the portal which takes online forms from all the technical Institutions in India for affiliation .[3]

Hierarchy of Software Systems used in business organizations

- Transaction Processing System
- Management Information System
- Executive Information System
- Decision Support System
- Expert System
- Vth Generation Smart systems

What Are Advance Software's:- Software's which are developed on advance technologies performing crucial task in the organization like MIS Packages , ERP Packages . Online Software's, Intelligent Programs , Knowledgebase system , Robotics and Expert Systems , Real Systems. These software's are now used in many developed countries and nor developing countries are also afford such software in the business process.[2]

What are the drawbacks of Students from rural Area ?

- 1) English Speaking and Communication Problem.
- 2) Low Confidence Level
- 3) Exposure to GK is less
- 4) Financial Problem
- 5) Availability of Resources for education

How to overcome these problems?

These are the important solutions to make rural youth confident about

- 1) Improve English by special efforts in keeping separate subject I higher education
- 2) Improve the level of confidence by keeping positive set of mind
- 3) General Knowledge Books and classes can be started in villages .
- 4) Special Grants from UGC and AICTE can be given to Rural Students
- 5) Special Infrastructure can be build to create the facilities in villages

III. IMPROVING QUALITY OF HIGHER EDUACTION THROUGH ACCREDITION

Quality parameters which can be identified are (Ref. NAAC Quality Parameters)

- i. Curricular aspects.
- ii. Teaching-learning and evaluation
- iii. Research, Consultancy and extension
- iv. Infrastructure and learning resources
- v. Student support and progression
- vi. Governance and leadership and
- vii. Innovative practices as the basis for its assessment procedure. [6]

Accreditation Concept and Meaning:-

Accreditation is a process in which certification of competency, authority, or credibility is presented to the applicant organization. Recognition or accreditation of courses of study is under the authority of a set of professional councils established by statute and other autonomous coordinative or regulatory bodies established or recognized by the University Grants Commission some are listed below.[1]

- All India Council for Technical Education (AICTE) to be superseded by the National Board of Accreditation (NBA) for technical and management colleges
- Quality Council of India (QCI)
- Distance Education Council (DEC)
- National Council for Teacher Education (NCTE)
- National Council for Teacher Education (NCTE)
- Rehabilitation Council of India (RCI)
- Medical Council of India (MCI)
- Central Council of Indian Medicine (CCIM)
- National Assessment and Accreditation Council (NAAC)
- Ministry of Human Resource Development (MHRD)
- Association of Indian Universities (AIU) [5]

Why accreditation is necessary?

- Encourages quality improvement initiatives by Institutions.
- Helps the Institution in securing necessary funds from govt. bodies.
- Enhances employability of graduates
- Facilitates transnational recognition of degrees and mobility of graduates and professionals.
- Motivates faculty to participate actively in academic and related Institutional or departmental activities
- A Mark of quality .[4]

Expert System for Quality Improvement A Sketch

Figure 1.0, The figures shows the general sketch of Expert System which illustrates the basic concept of a knowledge-based expert system. The user supplies facts of other information to the expert system and receive s expert advice or expertise in response. Internally, the expert system consists of two main components. The knowledge base contains the knowledge with which the inference engine draw conclusions. These conclusions are the expert system's responses to the user's queries for expertise. [2]

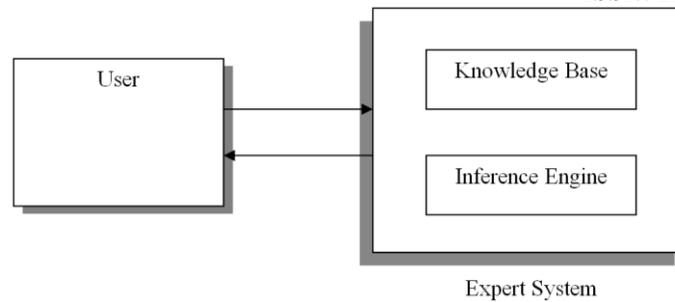


Figure 1.0

IV. CONCLUSION

The Information technology is the important sector that needs to given more trace so that our country does not have draw back of unaware youth in IT which will directly affect the growth of our nation .

The Indian Scenario in Higher education is having pressure from political and money power interferences right from the time a college is established. Affiliation is issued by inside or outside forces by affiliating bodies. Now the force to make these Institutes go for accreditation will only change the scenario and give more benefit to stakeholders of higher education.

There is a long way to go for Indian Education System to acquire the quality at Higher education. The rural population has to included in higher education to get the benefit of the youth from villages . The Government has to frame the rules which help these students to take admissions in higher educational Institutes . Poor quality education will directly hamper the academic career of the young generation in India.

ACKNOWLEDGMENT

Authors are thankful to the management of Bharati Vidyapeeth Pune for extending kind cooperation in preparing this research paper. The data collected is used to find out the results of the study. Director Dr. Nitin Nayak motivated us to go for this study.

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