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Efficient Management of Technical Educational Institution in India

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Abstract. The present technical education system of India currently focuses on role learning which helps just memorization skills of students rather than focusing on conceptual understanding and applications, the government department on education should look after to promote innovation, Research & Development in addition to provide affordable education to all; making Indian Technology globally acceptable and look forward efficient, flexible and empowered manpower, sensitive to the Industry's expectation. In this paper a case study of the Elitte Institute of Engineering & Management (EIEM) is proposed.

Keywords. Technical education; Government policy; Education; Case study

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1. Introduction

India the country from where approx. 1.5 million engineering graduates are produced from around 10,345 institutions including Govt. and Private Sectors in the discipline of diploma, degree, post graduate degree etc. etc. The country ranks for producing Engineering Graduates according to the US-based national Science Foundation's report of 2018. Although we know the Technology is touching every aspect of life and society with a view to develop and offering opportunities for education & training, but surprisingly to mention that only 25% of the 1.5 million Engineering Graduates from India are employed and rest are either unemployed or under-paid according to the recent study. All of this affects country's growth and economy. It happens due to lack of proper required infrastructure and qualitative curriculum that can fulfill industry standard and job production. As a matter of fact the need for industrial education in our country is no longer a subject of debate.

2. The Scenario

2.1. Technical education scenario in India in current decades

The present technical education system of India currently focuses on role learning which helps just memorization skills of students rather than focusing on conceptual understanding and applications. The present situation changes the mindset of students from solving problems to get good grades and

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job as well. The AICTE (All India Council of Technical Education), a statutory body under the administrative control of Govt. of India, was set up for responsible to formulate, maintain norms and standards, quality assurance through accreditation. Also AICTE is monitoring and evaluation, maintaining partly of certification and awards in various levels. It appears, the engineering curriculum except the premier institutes like – IITs, NITs, IIITs etc. looks very much old and as a result it failed to meet the current industry standards. Change of standard of technologies, development in teaching ability with experienced faculties, adequate infrastructures based on industries requirement are needed. Focus must be given for world engineering scenario to establish more skills & improve the quality of technical education to look forward talent students. The quantitative growth of engineering education in India has undoubtedly increased but the opportunities for engineering aspirants however, the maintenance of quality becomes the victim this growth phenomena.

2.2. Government Policy

As far as govt. Policy towards technical education in concern, the Central Government, State Government, Union Territories have played a vital role in human resource development of the country by establishing a large number of fully funded and aided technical institutions, providing adequate policy support and still creating skilled manpower, enhancing industrial productivity and improving the quality if life of its people[1]. Technical education covers programs in engineering, technology, management, architecture, pharmacy applied arts & crafts, hotel management & catering technology. The essence of Ministry of HRD is education, which plays a significant and remedial role in balancing the socio-economic fabric of the country. The department should look after to promote innovation, Research & Development in addition to provide affordable education to all; making Indian Technology globally acceptable. Also to look forward efficient, flexible and empowered manpower, sensitive to the Industry's expectation[2]. It would be appreciated if cooperation be developed to make it balance between Government, Industry and Technical Education Institutions, as and when needed. Focus should be given towards education which is an important investment in building human capital and future of the nation. Care has been taken by the Govt. for web-based digital learning through various platforms including NPTL etc. and some more likely to be initiated.

3. Current Status

3.1. Present Curriculum

The present curriculum being followed in most of the institutions of the country are way too old. To improve the gap for required need and to gain adequate knowledge by the students professional skills are found poor that proves inadequate job opportunities and higher studies in the specialized fields. In addition students should be trained properly to make their place for desired placement. It is to mention that the changing economy would is throwing new challenges to the Managers. The management concepts and practices are shaping "tomorrow's history". A number of changes are taking place which are influencing the work of Managers like – quality management, work force diversity, innovation, empowerment & teams, downsizing, contingent workers etc.

3.2. Effective Solutions for Quality Improvement

By improving the curriculum matching with the changes of technologies from time to time, skill building is very much needed. The Academic institutions should close touch with the top or higher level Universities, be it in-house or abroad by way of exchanging knowledge of technology and for joint collaboration and research work. Besides these, teaching profession should be more attractive, exciting with research oriented. Good administration, strong management, well equipped facilities, various platforms with qualitative cultural activities, sports and games, and finally teaching improvement are to be established for effective solutions. To be more successful, innovative ideas and its implementation with project work, industrial training, and entrepreneurs are the added points to

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improve its effectiveness. There is a tremendous chance to play a role in promoting entrepreneurship which has already taken place in so many technical institutions. Appreciable initiatives taken by the NSIC (National Small Industries Corporation), a Central PSU, MSME (Ministry of Micro Small and Medium) towards various development and effective role for the students [3].

3.2. Case studies in "EIEM"

Elitte Institute of Engineering & Management (EIEM) situated at Karnamadhabpur, Ghola, North 24-Parganas, Kolkata, India has been established in a most convenient and beautiful location and running with its flying colors for the last couple of years, by having its strong Managerial capacity, well secured & equipped all round facilities like – updated labs with sufficient computers, Smart Classroom, playground, own transport, social events, a good number highly qualified and experienced faculties and supportive staff and reputed with strong Placement Department. Apart from courses on B. Tech. in various streams, EIEM is having adequate students' strength where students of different religions and cultural backgrounds study and work together, in its various streams like - Electronics & Telecommunications, Computer Science & Technology, Science & Humanities, Civil, Electrical, and Mechanical Engineering in addition to Hotel management. Besides this, Industrial Training Institute having its two important Sections has been started recently. The institute (EIEM) has been awarded the best Polytechnic for relentless efforts especially mission & vision in Technical Educational Grade. EIEM is affiliated by the West Bengal State Council of Technical Skill & Vocational Education (A Government. of West Bengal Authority) and approved by the All India Council of Technical Education (A Government of India Authority) including Directorate of Technical Education & Training, Govt. of India. We all are proud for the institution (EIEM) goal and there lies in its capacity to orient our students to become job ready under the guidance of higher competent, motivated and energetic faculty, trainers, officers and staff. Students feel the difference owing to the ambience to develop them in a disciplined manner for enhanced and successful career growth.

4. Conclusion

With a view to improve the standards of technical educations and to promote and provide competent technical manpower for the Make-in-India campaign, the AICTE has approved various packages of measures to be implemented by all the Technical Institutions. The Department of HRD Ministry, Govt. of India has taken appropriate steps like- induction training, revision of curriculum, Mandatory Internships, industry readiness towards development of various fields in Technical Education so as to build career of students and to avail more job opportunities in their fields[4].

Needless to mention that at this juncture more of the developed countries in the world including USA, Italy, France, Britain and finally Indians are still very much suffering for the last few months from COVID-19 pandemic. A huge no. of people in all over the world have lost their lives through COVID-19 for which lockdown is forced to apply to stay home in order to stay safe. Many countries are still fighting to overcome from COVID-19, but no positive results are found till date. The dangerous disease has taken lots of innocent lives. So many mothers have lost their children; man has lost their near and dear once. The people who are poor but not beggar, this worst situation has made them beggar. They were hard-working people after returning from work they take food in their house and rest without any tension. But this "CORONA" has made them bound to beg in spite of self respect. It is not only very pathetic, but also bad affects towards various fields. People, who are no more now, please God keep them rest in peace in heaven which is your kingdom. We must salute the people who are found dedicated in service like – doctors, nurses, paramedical staff; staff attached to Govt. & Non-Govt. Hospitals/Nursing Homes including Police Officers with their entire team including Civic volunteers and social workers towards handling various COVID-19 adding affected patients and finally extending help many other people.

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Conflicts of Interest

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