

Role Of Industry-Institute Interaction To Promote Education And Entrepreneurship

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Abstract

The aim of the paper is clearly to discuss about the interaction between industry and institutions of India in regard to the education and entrepreneurship with the present technologically reforming world. As today India plays a major role in the rapid change of technology, the developments at various fields of technologies are due to the contribution of both industry and academia of the country. The industry and institution are interdependent on each other for new inventions and discoveries to meet the demands of the present problems of the society. It is a fact that to generate more employment and to create more innovation industry and institution go by hand to hand and cooperate with each other. This would be an important factor in making the economy of the country more strong. Both industry and institution play a vital role in the development of the entrepreneurship and country.

Keywords: Industry, Institute, Academia, Faculty, PhD, Skill, Knowledge.

Introduction:

With Ever growing industrialization and tremendous expansion in the technical education sector, better interaction between technical institutions and industry is the need of the hour. Industry and institutes play an important role in each other's development. Where industry provides the institute with a platform for practical training to the students, institutes

provide the right manpower's to the industry. Thus both of them are dependent on each other and it makes more important that a fruitful interaction should exist between these two. There is a constant compliment by the industries that with the sporadic expansion of technical education in the country and due to changing attitude of students towards education, most of the passing out engineering graduates are not fit for employment. The All-India Council for Technical Education is planning to provide support including funds for any structured efforts at improving industry- institute interaction so that graduates become more employable. In this context, industries and commercial enterprises should provide in house training modules to the students or the colleges should procure the relevant modules from industry training facilities. This would help them become aware of what the industry looked for in recruits. This will make interaction with industry seamless and effective since the student will understand work culture/functioning of industry. Students will be open to a wide range of opportunities to develop their practical skills in hardware, software, career development, leadership qualities and management skills through continuous and sustained interaction with industry. This would help them evolve as entrepreneur and trendsetter in their respective fields.

ROLE OF INSTITUTES:

- Arranging visits of staff members to various industries.
- Encouraging engineers from industry to visit engineering institutions to deliver lectures.
- Establishment of industry-Institute partnership/interaction cell.
- Industrial testing by faculty and technicians at site or in laboratory.
- Joint research programme and field studies by faculty and people from industries.

- Organizing workshops, conferences and symposia with joint participation of the faculty and the industries.
- Participation of experts from industry in curriculum development.
- Practical training of students in industries.

ROLE OF INDUSTRIES:

- Professorial Chairs sponsored by industries at the Institutes.
- R&D laboratories sponsored by industries at the Institutes.
- Scholarships/ fellowship instituted by industries at the institute for students.
- Short-term assignment to faculty members in industries.
- Student projects/dissertation work in industries under joint guidance of the faculty and experts from industry.
- Visiting faculty/professors from industries.

ROLE OF STUDENTS:

Students should understand that industry is their consumer and consumer has a lot of choice with expectations. Students must be what the industry wants them to be and how can they become competent products for the industry. Today trained and experienced manpower is available in plenty. Students must have to be competent and experienced before they compete for a job or to become an entrepreneur. Students must know what the industry wants from them like:

- Fresh yet with practical experience (practical experience while studying)
- Creative mind yet capable of receiving ideas.
- Team player with product mind set.
- Flexible Attitude, necessary Skills and relevant Knowledge/education (ASK formula)

- Physically committed and mentally open to change.
- Production and quality conscious.
- I.T. and quality system literate.
- Have a role model, goal and action plan in life.
- Developing good reading habits.
- Knowing the value of time.
- Studying actual case studies to develop killer instruct.
- Undertake training, projects, consultancy assignments and industrial job work.

Industry Institute interaction-AnExample:

Like every Engineering and Technological Institution our institute has the industrial training as an integral part of its curriculum. Students of different level programme like Diploma and Degree have to go industrial training for a particular period of time. The industrial training cell has faculty coordinator and head. The training is supervised by industrial supervisors at the industry where the student is undergoing industrial training then evaluated by the departmental experts. Teams of coordinators do visit nearby industries at regular interval of time to have an industrial feedback. Industry institute meets are also arranged regularly. The following commendations has made by industrialists to strengthen the industry - Institute Interaction:

- Industries need man- power with knowledge and skill and Institutes should prepare themselves to provide the same.
- Industry people stressed on imparting rigorous, updated and substantial teaching and industrial training to students. They pointed out that students should take their industrial training seriously and Institute should ensure and look into it that students do it better and with spirit of learning.

- Industrial people were of the opinion that Diploma holders are better choice for the industries as compared to degree holders because graduates lack the desire to be operators and they want to be supervisors/managers from the day they join the industry.
- Regarding training to trainees there is need for cooperation from industry side also because tailor made product (as required by industry) is not possible from the Institute.
- Core competency is the need of the hour and Institute should develop some core competency areas. The participants stressed for ISO concept to institutes and industries with accreditation of courses.
- Small Scale Industries (SSI) is the right place for training and learning for students training.
- Importance should be given to practical knowledge instead of bookish knowledge.
- Teachers should be asked to go for practical training in industries on regular intervals for updating their outlook towards industrial problems.
- Industries should also absorb teachers for a week or so and industry people should also visit institutes and interact with the faculty.
- Students should show the aptitude for training and industries should also give opportunities to students for training only then they can learn.
- Industries should teach students discipline and work culture of industries.
- Institutes should educate and train the students properly before the students leave for training and students should also create a good name for themselves as well as for the institute.
- Realizing the need for industry inputs in the curriculum of professional courses institutes must enter into tie up with professional companies.

CONCLUSION

The main concern is to keep pace with changing technology failing which the institutes will ruin obsolete. So, the industry- academia meets play an important role in order to improve the understanding of industry trends and requirements and enhance the employability of students. This requires collaborative efforts from industry and academic institutions as both are interdependent for providing knowledge and employability.

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