



## Professional and Technical Education: Job Prospectus and Challenges

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In current world of global privatization, candidate must compete with technical and professional skills. In many of the fields governments are withdrawing themselves and handed over to the private sector because of good hospitality and service in private sector due to healthy complete environment and private sector are committed to good quality of service at reasonable price because of close competition between private players. In current time private sector have more prospects of jobs than to government sector, because government sector is very limited to only defense, maintain law and order, and controlling finance and foreign interaction activities. So for students and candidate who want to work with private sectors must equipped with technical, professional, and soft skills.

One Report from India Today in 2016 stated that only 7% of fresh engineers are employable". It means more than 90% of Indian engineering students are not getting place or not able to get the desired job of their profile. From 2008 on word, number of student taking admission in engineering and other technical & professional courses are decreasing at very high speed. Meanwhile companies and industries depends on such institutions for recruiting fresher are complaining the low quality of students and saying student are not able to learn itself and adopt the companies work atmosphere. With globalization, skill set required in companies are not match with the content and curriculum teaching to students in academia. Transformation of business and trade into a digital conversion has brought many changes in working culture and skill set required in employee. Now a day's technology and demand of industry is changing very rapidly and institutes are not able to change their curriculum and update their teaching staff accordingly. In such a present situation, industries are complaining that students are coming with outdated knowledge and not able to change with the speed of changing's in technology and demands. Here it becomes vital to make change in teaching curriculum and pedagogy to align with industry demand and make student able to survive in global world of compete.

In today's world of compete skill set deemed necessary for graduate before joining the industry, can be clubbed in two category; one is hard skill and second is soft skill. Hard skill are somehow directly related to graduate discipline like proficiency in using computer, programming, handling database, database decision making if candidate is graduate in computer science. soft skills are transferrable from one job profile to another job profile include communication, interpersonal skills and teamwork/collaboration, flexibility, leadership and adaptability.

Reasons behind lacuna in required skill set are Lack of an Updated Curriculum, Focused on Theoretical Approach, Lack of Updated Teaching Staff, Less Industry Exposure, No Proper linkages with Industry, The Unregulated Opening of Technical Institutions, Poor Student-Faculty Ratio, Students do not have Clear Vision. To overcome these lacuna or reasons behind lacuna, objectives or goals of the curriculum or syllabus must be very clear and written, focused on practical approach of teaching, change frequently with connection with industry personnel, provision of teacher's training and internship for students, workshop on latest tools and technology by industry personnel, and laboratory must be equipped with latest tools and machinery.

In today's time of recession in engineering, institutions and experts of academics must take some serious initiative and set some parameters to control the charisma of engineering. The basic reason behind such downfall is to big mismatch between number of placements and number of pass out engineers. To bridge this gap institute offer integrated engineering with strong alignment of industry. Institute should prepare contents of curriculum as per institute need and prepare student accordingly so that maximum student can place after completing the degree.

