

# Necessity of Soft Skills In Engineering Education For Personal And Professional Development

Sujata Doke<sup>1</sup>, Snehal Gavandi<sup>2</sup>

<sup>1,2</sup>Lecturer, Dept of Humanity & Science

<sup>1,2</sup> A.G. Patil Polytechnic Institute, Solapur.

**Abstract-** *The aim of this paper is to emphasize and discuss the technical knowledge. The need of having soft skills at importance of Soft Skills in ensuring the success of careers in Engineering. Students require non technical skills apart from having various stages of an engineer's career is also highlighted in this paper. Hard skills and experiences are not enough for the ingress and accelerate the corporate world. This paper throws a light on how soft skills are directly Integrate in engineering education for personal and professional development. Benefits of soft skills are also mentioned in this paper.*

**Keywords-** Career, Engineers, Non Technical skills, Soft Skills, Hard skills, corporate world.

## I. INTRODUCTION

Interaction is an essential factor that needs to be focused in the current scenario. With the changing educational trends, quality in educational courses, availability of qualified personnel and the competitions for standing or eternal jobs are becoming more difficult. To overcome these engineering students are left with no choice but to add values to their hard skills with soft skills to exhibit their true potential is the need of time. Hard skills are the technical competencies that an individual possesses. These are skills which are gained through educational learning and practical hands -on applications while soft skills are self-developed, interactive, communication, human and transferable skills. According to literature view hard skills contribute to only 15% & soft skills provide remaining 85% to integrating soft skills into engineering education for personal and professional Development. Soft skills are people skills. Your association & interaction with people contribute to success or failure in your life. 80 % of your happiness a quotient is determined by your life partner or boss with whom you spend your maximum time. So you need to work on your soft skills & develop your personality to achieve what you want in your life. This paper is an attempt to explain personal & professional development through soft skills. Hence, it addresses some relevant questions in mind of coltish engineers.

## II. NEED OF SOFT SKILL IN ENGINEERING

Engineering soft skills are just as critical as technical acumen when carrying out the day-to-day duties of engineering roles, which require interpersonal adaptability among different kinds of people, problems, and situations. Therefore, the soft skills are — such as communication, creativity, cooperation, organization needs to grow.

Many engineers assume that their technical knowledge and experience is the only thing that will get them a job. However, this is changing as engineers are increasingly expected to partner with the business, and these soft skills – when coupled with the right combination of technical skills – are in great demand, and can set you apart in highly competitive jobs in market. Soft skills, categorically a term used for communication and interpersonal skills, are one of the most important to survive in competitive and fast-paced world like today's. There are students who excel in their respective fields but are unable to communicate properly and express themselves. What good is a product if it cannot represent its key attributes to the consumer. In this comparison, the product being the job aspirant and the consumer is the recruiter.

## III. KEY ELEMENTS OF SOFT SKILLS

Engineering education plays a major role in the world development. In engineering education there is a gap between engineering training and demands of modern industry, not sufficient practical orientation and applied character of higher education. Technical and job-related skills are a must, but they are not sufficient when it comes to progressing up the ladder. Soft skills play a very important role in this vigorous commercial in person's life. Soft skills are people skills.

Engineers focus only on their technical skills and abilities, largely ignoring soft skills. Soft skills, however, are very important in almost all roles and industries. Following soft skills are essential in engineering field for professional and personal development.

1. Communication
2. Creativity
3. Adaptability
4. Leadership
5. Teamwork
6. Organization
7. Problem-Solving
8. Time management
9. Stress management
10. Interpersonal Skills

These soft skills will also help to improve overall engineering abilities because soft skills work, no matter what stage you are at in your career.

#### **IV. NECESSITY OF SOFT SKILL IN PERSONALITY DEVELOPMENT**

Personality development is playing a significant role in the evolution of a student in higher education. To acquire fulfillment in personality, it is must to increase soft skills such as ethics, emotional intelligence, language and communication. Soft skills helps to develop an impressive personality and make one's to stand apart from the rest. The need to develop human personality in line with people, place, time etc., underlines the importance of personality development. The process of personality development requires a set of soft skills. These soft skills are classified into personal and interpersonal traits.

#### **V. MAJOR ROLE OF SOFT SKILLS IN PROFESSIONAL LIFE:**

Soft skills are in fact more important than hard skills. They are very much necessary for a person to be a good human being as well as succeed in his profession. The position you gain in a Society will depend on your social skills that will facilitate interpersonal behavior. Your qualification or status will not help you if you do not interact positively with others.

It is said that hard skills may earn you an interview but it is your soft skills that will get you the job. CEOs and HR Managers today are suggesting that companies can do better if they hire people with good soft skills and then train them to develop their hard skills in the area of specialization. Lack of soft skills has been pointed out by various foreign industries, as a reason for not preferring Indian candidates.

#### **VI. CONCLUSION**

So from the above notion, we conclude that soft skill plays a major role in human's personal and professional life. In order to secure a respectable position in the corporate world, the universities are incorporating these soft skills in the students during their course which will help them to improve their overall personality and professional skills. In personal life, soft skill makes every relation healthy and in professional life soft skill makes every organization healthy and wealthy. These soft skills can be developed by proper observation and consistent practice.

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