جامعة جدة
University of Jeddah

University of Jeddah

Faculty of Engineering

ENIE 202 – INTRODUCTION TO ENGINEERING DESIGN

Assignment # (1)

Team No. 4 Section: AAH Student Name(s): Mohammed maqbool
Work Self Assessed by_____Assessment Symbol/Color____Date_____
Work Peer Assessed by_____Assessment Symbol/Color____Date_____

Self Assessment			Checklist Items	Instructor Assessment	
				Acceptable	Inacceptable
YES	NO			1	0
			Report Requirements		
*		1	Is the **the work assembled** in the correct order (Checklist, Cover page, Table of contents, Expectations/Abstract, Introduction, Main Body, Conclusion, References, and Appendices)?		
*		2	Is **the work self assessed** and the checklist completely filled?		
*		3	Is the **cover page** informative and well formatted?		
*		4	Is there a well formated **table of contents**?		
*		5	Is there an **Introduction** at the beginning of the report?		
*		6	Is there a **Conclusion** at the end of the report?		
*		7	Is the **Main Body** of the report divided into sections with appropriate titles and subtitles using appropriate font for each?		
*		8	Does a **references** section appear as the last page of the report?		
*		9	Is there an attached, deemly filled, **Process Check**?		
*		10	Is there an informative **footer** (Assignment#, pag# / no. of pages, and team # and members)?		
*		11	Does each **table** have a **number** and a **title**, and is it **mentioned** in the text before it is placed?		
*		12	Does each **figure** have a **number** and a **caption**, and is it **mentioned** in the text after it is placed?		
			Graph Requirements		
		13	Does the graph have a reasonable **size** and **format**?		
		14	Is there an appropriate, descriptive **title or caption?**		
		15	Do both **axes** have descriptive **titles** (N.B. not a single letter) which include **units**?		
		16	Are there labeled **divisions** (text or numbers) on the **axes**?		
		17	If there is more than one chart line, is there a **legend**?		
Total of items 1 to 17					

Self Assessment			Team Work Requirements	Instructor Assessment	
YES	NO		If the work is a team work assignment, is each of the following items included? (1 laps will be given for each missing item)	O.K.	Missing
			included? (1 laps will be given for each missing item)	No lapses	1 Laps
		18	a. Well written **Team Meetings' Minutes**		
		19	b. Deemly filled **Team Work Peer-to-Peer Assessment**		
Final Grade					

Assessment Results	Grade	Resubm.	Lapses
1. **Exceeds Expectations:** Final Grade > 85	**E**	**R**	
2. **Meets Expectations:** 85 ≥ Final Grade ≥ 75	**M**	**R**	
3. **Acceptable:** 75 > Final Grade ≥ 60	**AC**	**R**	
4. **Needs Improvement:** 60 > Final Grade ≥ 50; the work has to be **resubmitted within one week. The maximum grade after resubmission is AC.**	**NI**	**R**	
5. **No Credible Effort:** Final Grade < 50, 1 laps; the work has to be **resubmitted within one week. The maximum grade after resubmission is AC.**	**NCE**	**R**	
6. **Resubmission** within **one** week is required for any **Poor** or **Null** in the checklist items from 26 to 37, no matter what the final grade is. One **lapse** is given for **each** unsatisfactory item and **R** is circled beside the grade. The grade remains as is after successful resubmission, otherwise it becomes an **NI**. Late resubmission results in one **lapse**. No more than **1 week** of lateness is allowed, otherwise an **NS** is given.			

University of jeddah
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COURSE: ENIE 202 – Faculty of

Engineering

section: AAH

Date: 2020/9/23

Table of content

Expectations

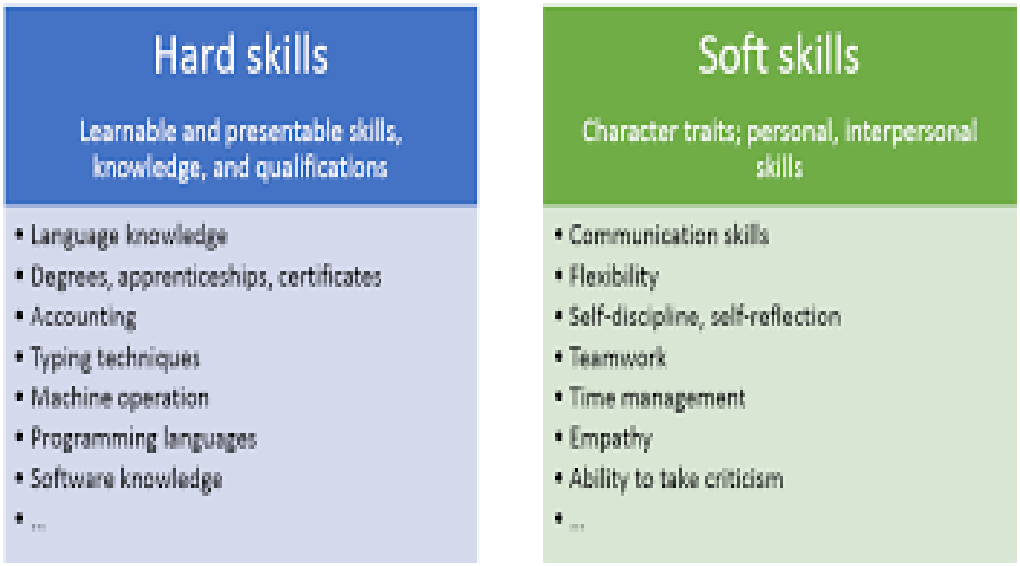
I expect you to know in this report what the hard and soft skills for engineers and how to learn the skills and what the difference between each other

Abstract

Soft skills, like communication and cooperation, ar vitally necessary for associate engineer's success within the geographical point. Despite this, there is a perceived shortage of soft skills among engineers, notably engineers of the youngest people cohorts, the Millennials. This paper aims to guage the overlap between soft skills and therefore the additional concrete and therefore the additional enthusing class, entrepreneurial skills. associate exploration of the literature reveals commonalities between soft and entrepreneurial skills and highlights the effects of the nomenclature variations on completely different people cohorts. The paper concludes with 5 literature-supported assumptions concerning this state of sentimental skills in engineering and the way enhancements is created by rebranding soft skills as entrepreneurial skills.

Introduction

Success at the work for engineers is set primarily by 2 ability sets. the primary area unit the laborious skills and also the second area unit the soft skills. Before we will take the discussion more, it's necessary to grasp the distinction between the two



What hard and soft skills are important for engineers

There is little doubt regarding the very fact that the arduous skills square measure Associate in engineers absolute essential for Associate in engineer to perform his job diligently and expeditiously. the very fact that the second talent set, that is, the soft skills along side the arduous skills square measure Associate inengineers absolute essential for growth of Associate in engineer within the organization.

How to learn hard and soft skills for engineers

Traditionally, engineering courses are instructed in an exceedingly simple approach, beginning with tons of definitions, basic ideas, and ways for determination well-defined issues, that in most cases square measure simplified and perfect In most of the fundamental engineering courses, the instructors offer simply the required parameters to unravel associate perfect downside that features a gradual procedure to with efficiency solve the matter. On one hand this can be necessary to show the scholars basic principles and formulas required to create judgments. On the opposite hand, this fashion of teaching isn't sufficient to supply engineering leaders

What difference between hard skills and soft skills ?

The key variations between arduous skills and soft skills area unit however they're gained and place to use within the work. arduous skills area unit usually gained through education or specific coaching. They embrace competencies like a way to use an explicit machine, code or another tool. Soft skills area unit additional usually seen as temperament traits you will have spent your whole life developing. they're known as upon once you manage it slow, communicate with others or confront a troublesome scenario for the primary time. place otherwise, arduous skills may well be outlined as your technical data whereas soft skills area unit your overall habits within the work.

Conclusion

In conclusion, having soft skills is significant to most work environments that involve assigning team to a task. additionally, having any of the qualities classified as a soft ability is highly preferred in most jobs nowadays and in result helps progress in this career field. Communication and teamwork are many of the key components towards being booming in any career.

Reference

1- https://www.engineering.com/JobArticles/ArticleID/13894/5-Skills-Hiring-Managers-Look-for-in-Engineering-Grads.aspx

2- https://sudonull.com/post/13178-Why-should-soft-skills-engineer

3- https://ascelibrary.org/doi/10.1061/%28ASCE%291532-6748%282007%297%3A1%2818%29

4- https://www.indeed.com/career-advice/resumes-cover-letters/hard-skills-vs-soft-skills

5- https://www.coursehero.com/file/pibkkm7/In-conclusion-having-soft-skills-is-vital-to-most-work-environments-that/