







Steel, Gold and Diamond

-  Akhil Garg (16uec012)
-  Nikhil Jain (16uec067)
-  Pravesh Goyal (16uec075) “wk”
-  Pulkit Jain (16uec137)
-  Saransh Jain (16uec095)
-  Vaibhav Negi (16uec120)

We the stars of “2020”

17-10-2019

Introduction

- We normally think of **economic** perspective.
- We will look at these elements from a new perspective.
- How to build “**Brand Me**”.
- Nothings happens without heat and pressure.

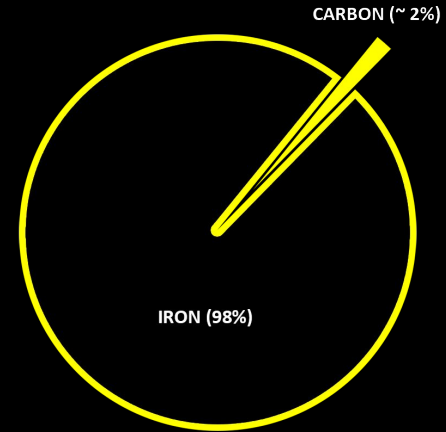
- Each one of us is a work in progress.
- Mahatma Gandhi put himself in the furnace to Make

A

Difference.

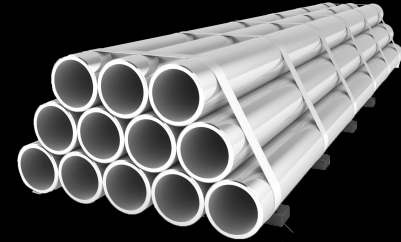
Steel

- Alloy of **Iron** and **Carbon**
- ~98% Iron
- ~2% Carbon
- 2% Makes the difference.
- You need less than 2% **Soft Skills**.



Versatility

- >2% Carbon makes it **Brittle**.
- Right amount of Carbon is needed.
- Right amount of versatility is needed in a professional.



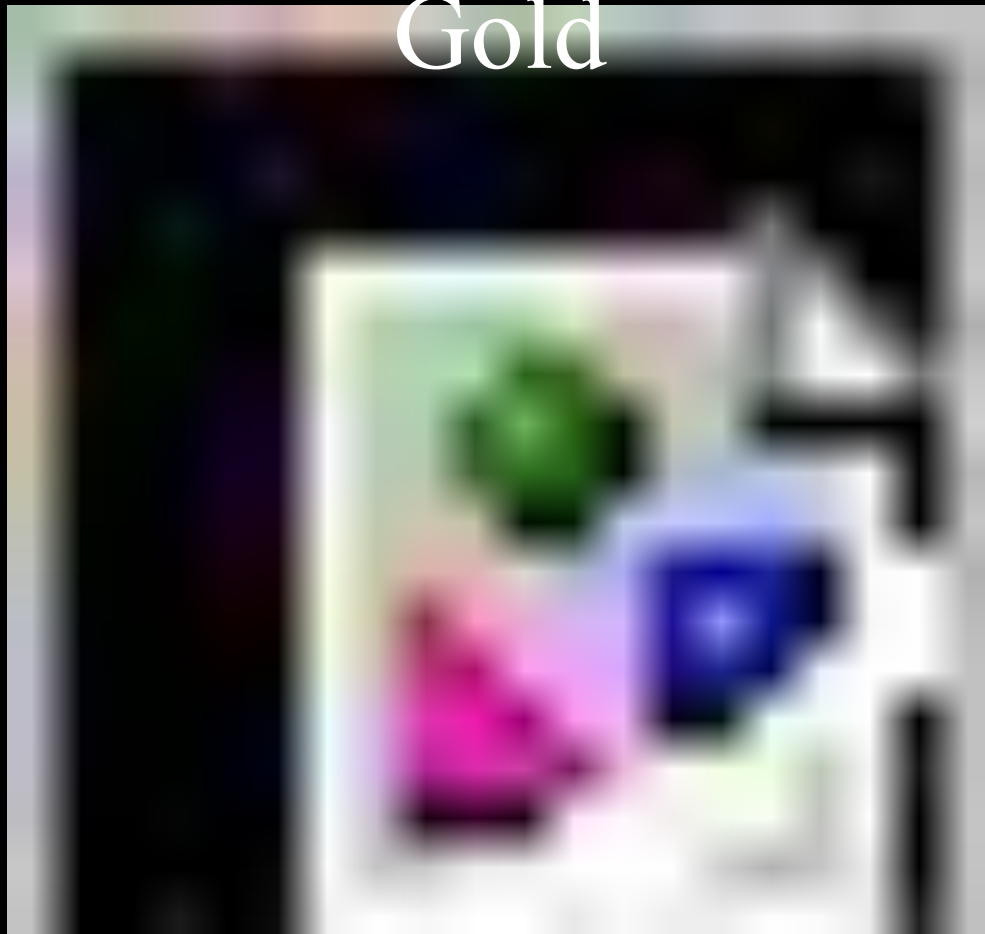
Essence

- Rust Proof compared to Iron.
- Stronger Compared to Iron.
- **Malleable, Ductile and Tensile** compared to Iron.
- Transform from Iron to Steel.

How?

- Iron and Coal at high temp.
- Impurities of Iron go out.
- It becomes an alloy.
- Furnace is what we have to create for ourselves.

Gold



Precious Metal

- Precious metal is a rare.
- Naturally occurring element with high economic value.

Malleable and Ductile

- Can be converted into sheets that it becomes translucent.
- It doesn't **break** under pressure.
- It rather reforms under pressure.

Inertness

- Doesn't react with anything.
- Have emotional **stability**.
- Doesn't **corrode** over time.
- Fully involved but detached.

Why Valuable?

- Never **Deteriorate** over time.
- Not lose **ethical** value.
- **Impurity** doesn't affect gold.

- Impurities are removed by putting it in **fire**.
- Even the most valuable element in the world is **not free** from impurities.
- Each one of us are **work in progress**.

Diamond

- **Strongest** substance in the world.
- Graphite is one of the **softest** material.
- **100%** Carbon

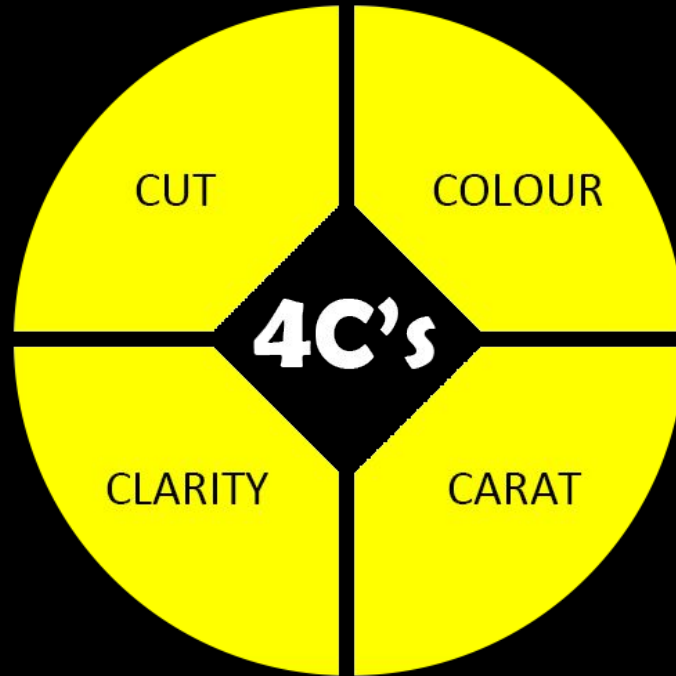


Role of **pressure** and **heat**

- Converts the softest material to hardest.
- Opaque to **transparent**.

(Under pressure one performs his/her best and shines.)

4 C's of diamond



4 C's of diamond

- **Cut**:- Cut has greatest influence on sparkle.
- **Colour**:- Less the colour, higher the grade.
- **Clarity**:- Tiny imperfections are often microscopic.
- **Carat**:- Total weight and not size.

Thermal Conductivity and Stability

- Good conductor of heat.
 - Bad conductor of electricity.
 - Can withstand temperatures up to 3000 degrees.
- Doesn't lose stability under harsh conditions.

Multifaceted

- Diamond has at least 57 facets.
 - 33 on the Crown
 - 24 on the pavilion(lower half)
- What does this show?

To gain value, one has to acquire different talents.

(To be of any significant value, we need to be multifaceted)

- Ability to learn new things.
- Ability to adapt-
Not adapting pulls you behind.
- Better we are at these things, more valuable we are.
(All rounder)



- Gradually acquire different skills, one step at a time.
(1 to 2, 2 to 4, 4 to 8 and so on.)
- Not just a specialist , but a thorough professional.
- Demand of tomorrow's professional.

Conclusion

- Way of building luck by design (Essence of this whole course).
- How these inanimate objects can help how we approach ourselves.
- Without high temp and pressure, nothing happens.

Dedicated to:-



“ STEEL KING ”
(Lakshmi Niwas Mittal)

References

Sites to visit

- <https://geology.com/minerals>
- <https://timesofindia.indiatimes.com>

Sites not to visit-

- https://en.wikipedia.org/wiki/Material_properties_of_diamond
- <https://www.slideshare.net/eceyldz/gold-56252223>

THANK YOU!!