

class ①

Date 1 . sep . 2025

Business Process Reengineering

- if a process is not done correctly ex you wash clothes but they aren't clean, so there is no point
- so when a process is not done correctly, there is no value
- in an organization, if the process is problematic, the business can fail.
- business analytics stream
- you are reengineering a process
- yeh process Abhi aesa chal raha hai and then what can we do to improve it?

Electric Vehicles Production

- Lithium battery
- no engine, only motor
- so I have space but now I have batteries (heavy)
↳ so not much value as batteries are heavy.

Six Sigma

- manufacturing and assembly process mein kuch sahi nahi hai

① 220113

Date

2023-09-26 10:00

- new Tesla every 30 seconds

① stamping

② body in white process

③ assemble

④ paint

- separate process for underbody

· 4680 battery cells

⑤ seals

⑥ join all

- quality control

- mistakes can happen in both robot and human element

- the more the parts, the easily replaceable they are

Video 2: They got a single machine

which makes the entire body

- IDRA merged with Tesla

- only deal with 3 parts to bolt together

- room for error, wear tear, time ↓

- productivity ↑

molten wax/metal is done in
a pen mold to make pens

dye casting.

Watch a video & find the 5 differences

- robots - how well they are defined

- the material

- new Tesla

"How Tesla cars are made so fast"

↳ so they cut costs, made it faster

↳ we make cars quicker, sell more

T=0 I robot did this on this car

T=1 This robot did this

...

so I have the timestamp of this action
done on this car

- which part of process did longer?

- which part do I optimize?

- if not possible → reengineer

- go from 100 parts to 3 parts