

Business Process Reengineering

- if a process is not done correctly ex you wash clothes but they are not 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

- 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

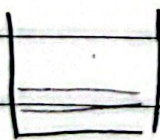
Video 2: They got a single machine which makes the entire body

- 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 by e. casting.

Date . . .

Watch 2 videos & 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 hmetstamp of this action done on this car

- which part of process did linger?

- which part do I optimize?

- if not possible → reengineer

- go from 100 parts to 3 parts