

*Digital Skills And Research Methods*  
*BMSW4003*

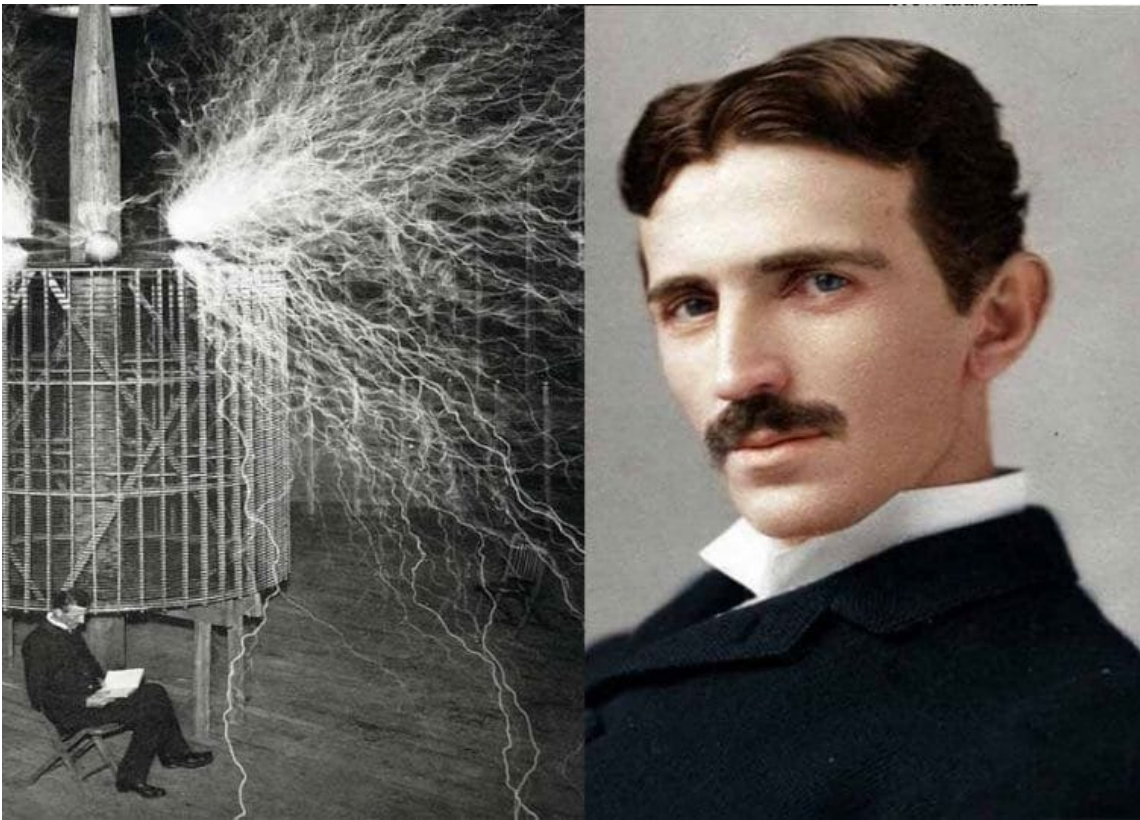
*The Impact of Technology in*



*Michelle Mathurin (2009927)*  
*Noah Olujide (2011890)*  
*Jesica Mora (2010296)*

# *Nikola Tesla*

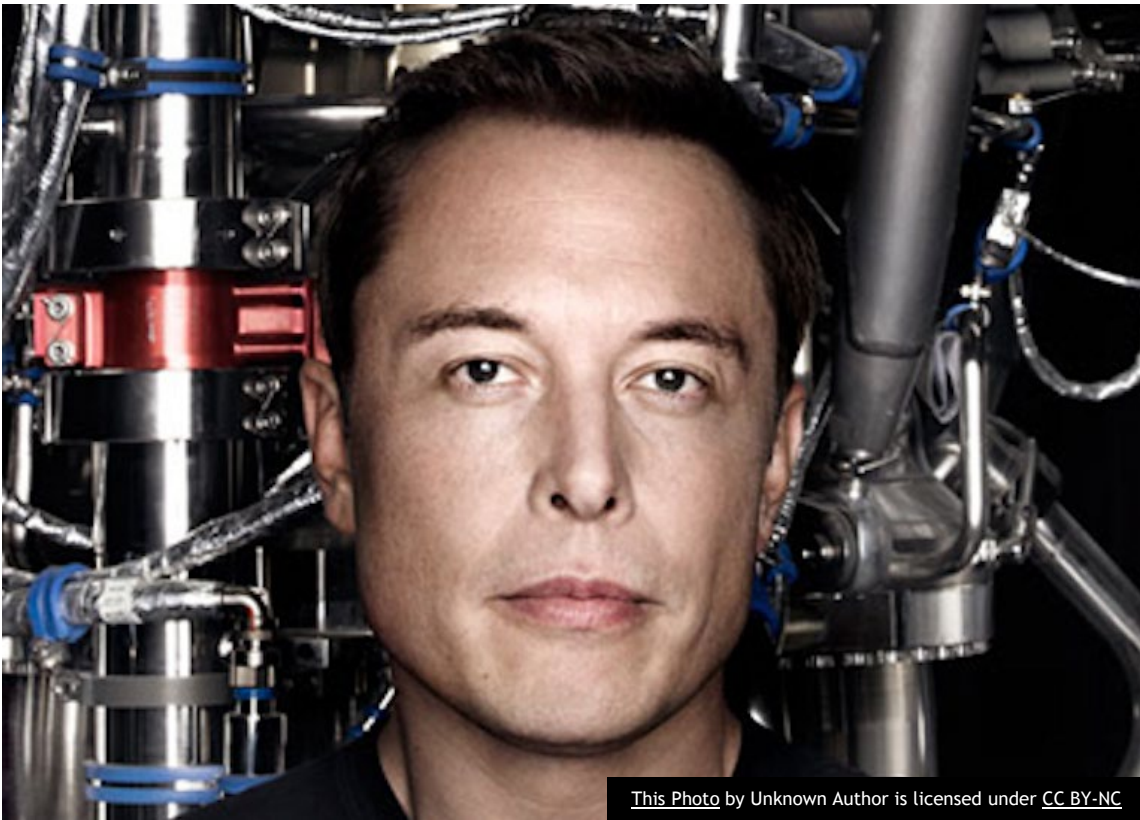
*10 July 1856 – 7 January 1943*



- ▶ Nikola Tesla was a Serbian-American inventor, electrical engineer, mechanical engineer, and futurist best known for his contributions to the design of the modern alternating current electricity supply system.
- ▶ Tesla began investigating what he referred to as radiant energy.
- ▶ Electrical System
- ▶ Hydroelectric Power Plant.

# *Elon Reeve Musk*

*28 of June 1971  
South Africa*



[This Photo](#) by Unknown Author is licensed under [CC BY-NC](#)

- Driving this car is driving the future
- He is the FOUNDER CEO ,CTO and chief designer of SPACE X
- Elon is inventor
- Americans younger billionaires
- 1990 set up a small internet company PayPal.
- 2002 he sold PayPal for 1 half billion dollars

# *TESLA*



- ▶ Electric transport revolution
- ▶ Tesla S Model is a different car
- ▶ Transport revolution
- ▶ 2003 Tesla motors have been pursuing their electric car revolution.
- ▶ Technology.

## *Manufacturing*

- ▶ Now the factory is in los ALGELES.
- ▶ Computerized production schedules.
- ▶ They love the technology they love the machine
- ▶ 130 robots (programmed)



## *TESLA 2018*

- ▶ This year presented an opportunity for Tesla to build on last year's positive developments and move away from the chaos that characterized 2018.
- ▶ In 2018 the electric-car maker achieved major successes
- ▶ Tesla to become consistently profitable while introducing lower-priced vehicles.
- ▶ **Model 3**



## Tesla Model 3 Was America's Best-Selling Luxury Car In 2018

Total number of premium cars sold in the U.S. in 2018



CC BY ND  
@StatistaCharts

\* Tesla delivered 145,846 Model 3s globally and an estimated 138,000 vehicles went to U.S. customers.  
Source: Car and Driver via Yahoo News

Forbes statista

## *TESLA 2019*

- ▶ These are the biggest challenges Tesla has faced so far in 2019.
- ▶ Layoffs.
- ▶ Executive departures.
- ▶ Store closure and more layoffs.
- ▶ **Model Y SUV**



## *Modern Theology Introduce in tesla*

- ▶ Tesla's features making autopilot possible:
  - ▶ A forward facing radar
  - ▶ Cameras (provide visibility up to 250 metres away)
- ▶ A high precision digitally controlled electric assist braking system
- ▶ Full Self Driving F.S.D. computer installations ( Software, Tesla app)

# MODEL S

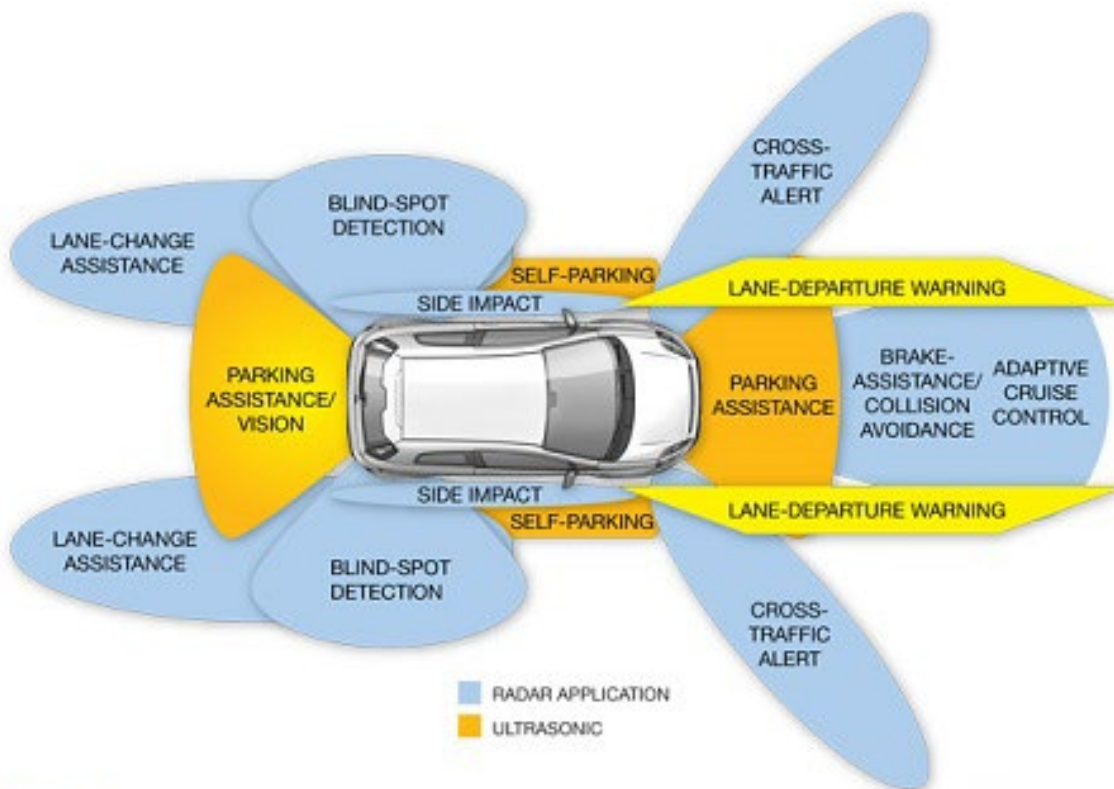


Figure 2 Several driver-assistance systems are currently using radar technology to provide blind-spot

- ▶ High Impact Protection
- ▶ Model S is the industry standers for performance and safety.
- ▶ 360 Degrees of visibility.
- ▶ 12 Ultrasonic sensors
- ▶ 17 inch Touchscreen Display.
- ▶ Software Updates.
- ▶ Automatic door handles outo-present.

## *Model X*

- ▶ Built for Safety , electric vehicle and battery technology.
- ▶ Falcon wings doors are equipped with sensors to monitor the proximity of surroundings, and can open in even the tightest parking space.
- ▶ 360 Degrees of visibility.
- ▶ 12 Ultrasonic sensors.
- ▶ 17 inch Touchscreen Display.
- ▶ Software Updates



## *Model Y*

- ▶ Designed for Safety.
- ▶ All weather control.
- ▶ Model Y is a full electric car.
- ▶ 360 Degrees of visibility.
- ▶ 12 Ultrasonic sensors.
- ▶ 15 inch Touchscreen Display.
- ▶ All glass roof .
- ▶ Software Updates



## *Impact of Technology TESLA*



- ▶ Tesla is accelerating the transition to sustainable energy with Electric cars, solar and integrated the new able energy solutions.
- ▶ Computer Data in modern computer system, all data is digital. Data requires interpretation to become information.

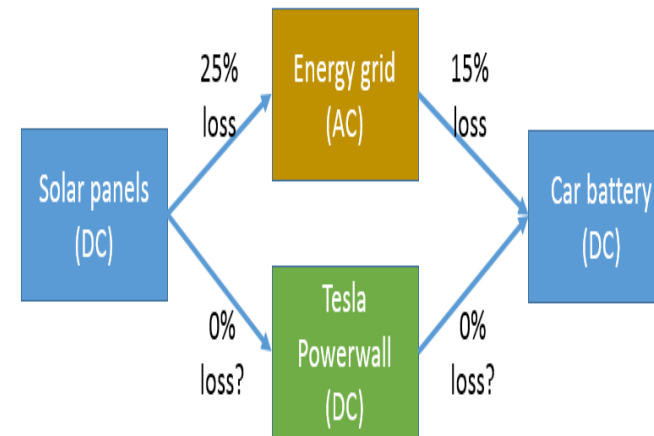


## *TESLA*

- ▶ Charging Stations- when charging stations you can control and monitor from anywhere and also get notifications when charging is complete with the tesla apps and you can also download the owner apps from IOS or audio.

# *Impact of technology*

- ▶ Solar tiles-solar tiles are mini solar PV panels that produce electricity from the sun and is very expensive.
- ▶ roof top panel-an automobile roof top is an automobile that sits above the passenger seat protecting the vehicle from sun , wind, rain etc.



# The lesson that can be drawn from the case study

## *Digital Skills And Research Methods*

- ▶ Increasing knowledge about Technology, and Digital Skills and Research Methods.
- ▶ This will take careful and detailed planning and a strong commitment to implementation in Digital Skills.
- ▶ Knowledge about technology , apps, programming and technical methods.

# ***REFERENCE***

This presentation has been adapted from  
National Geographic Channel

[http://www.youtube.com/watch?v=rD9PGi8hHvY&ab\\_channel=tradingCoachUK](http://www.youtube.com/watch?v=rD9PGi8hHvY&ab_channel=tradingCoachUK)

<https://www.bbc.co.uk/sounds/play/p00lh2jf>

[Matousek,2019](#)

<https://nairametric.com/2020/12/08elon-musk-closes-in-on-jeff-bezos-for-worlds-richest-man-title/>

<https://www.forbes.com/sites/jamesmorris/2020/12/05new-2021-tesla-model-3-drivennow-enen-better/>