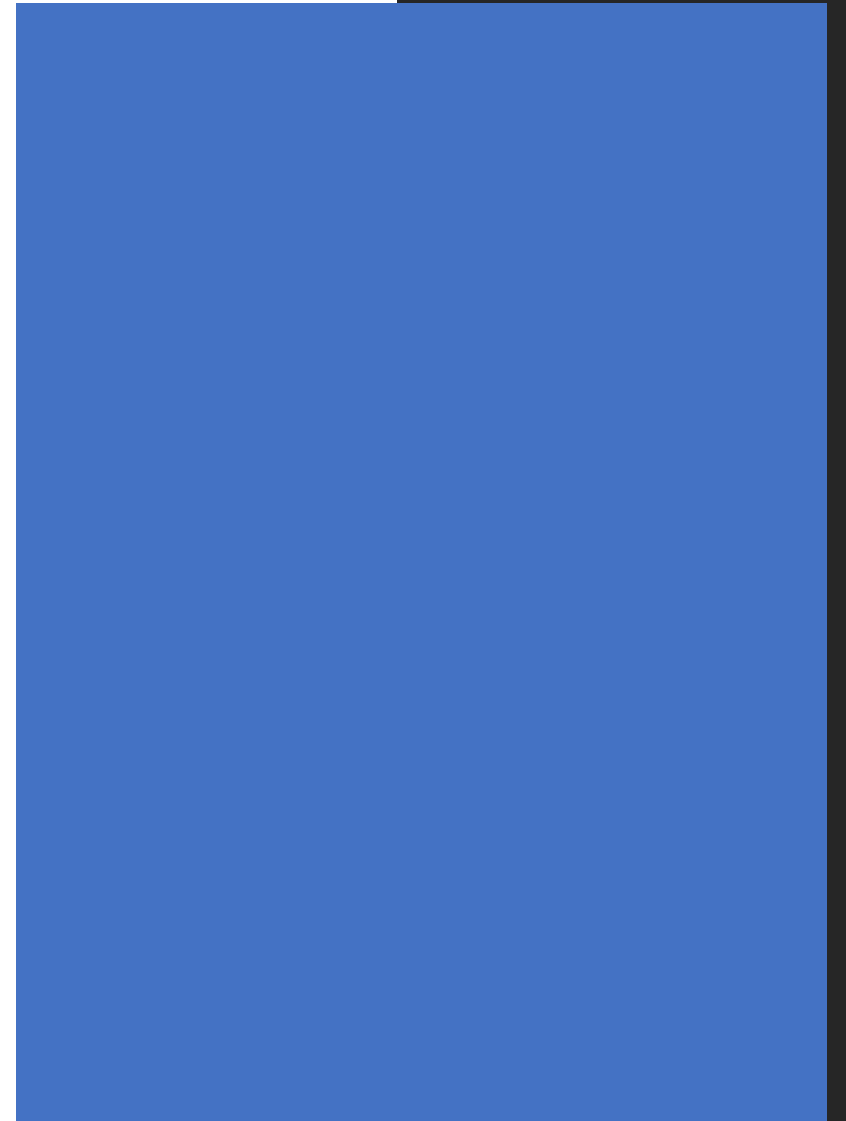


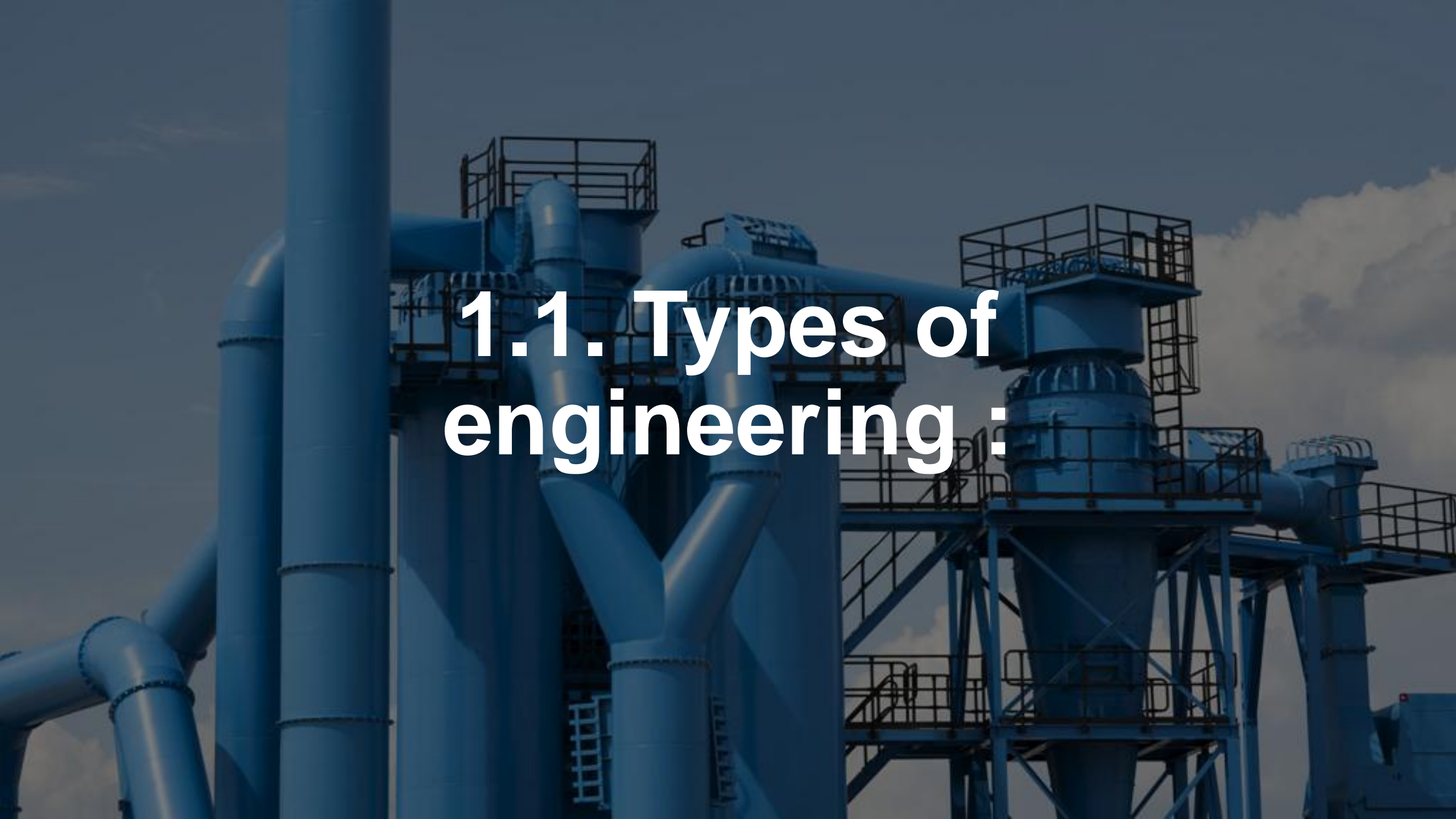
What is Engineering
Using the core skills ?

1. Introduction to Engineering

<https://youtu.be/btGYcizVn0I?si=nU7oijAVYqCOmbb01>

Engineering is the application of science and mathematics to solve problems. Engineers figure out how things work and find practical uses for scientific discoveries. Scientists and inventors often get the credit for innovations that advance the human condition, but it is engineers who are instrumental in making those innovations available to the world. The term engineering is derived from the Latin ingenium, meaning “cleverness” and ingeniare, meaning “to contrive, devise”. Which is is a discipline dedicated to problem solving. Our built environment and infrastructure, the devices we use to communicate, the processes that manufacture our medicines, have all been designed, assembled or managed by an engineer.



A blue-tinted photograph of an industrial facility, likely a refinery or chemical plant. The image shows a complex network of large, vertical and horizontal pipes, metal walkways with railings, and various industrial vessels. The sky is visible in the background, showing some clouds. The overall scene is industrial and technical.

1.1. Types of engineering :

Engineering types

25 ICON ENGINEERING TYPES

32X 32 GRID - 1PX WIDTH

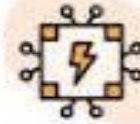
EDITABLE STROKE LINE ICONS



CIVIL ENG



CHEMICAL ENG



ELECTRIC ENG



ELECTRONIC ENG



MECHANICAL ENG



COMPUTER ENG



ENVIRONMENTAL ENG



BIOMEDICAL ENG



AGRICULTURAL ENG



AEROSPACE ENG



MINING ENG



AUTOMOTIVE ENG



MARINE ENG



NUCLEAR ENG



ROBOTICS ENG



STRUCTURAL ENG



ARCHITECTURAL ENG



METALLURGICAL ENG



MECHATRONICS ENG



INDUSTRIAL ENG



SYSTEMS ENG



MANUFACTURING ENG




PETROLEUM ENG



GEOLOGICAL ENG



PHYSICS ENG



2. The four language skills

Basic language skills are listening, speaking, reading and writing.

Language skills are essential for effective communication and each of these skills plays a crucial role in promoting language acquisition. without it, you cannot make sense or communicate your understanding of a subject.



4. Work to do

- 1. According to you what does engineering represent .
- 2. Complete the following table

Full name :	
My subjects at the university are :	
My favorite subject is	
But I hate :	