Mechatronics is a field that combines mechanical engineering, electrical engineering, and computer science to create advanced systems.

It started in Japan in the 1960s and focuses on integrating these disciplines for innovative technologies.

Tetsuro Mori was a notable Japanese engineer and the originator of the term "mechatronics." He introduced this term in 1969 while working at Yasakawa Electric Company.

Mori's concept integrated mechanical engineering and electronics, laying the foundation for the interdisciplinary field of mechatronics.

In this conception mechatronic engineers build smart devices that can sense, think, and act, by merging mechanics, electronics, and computing.

This approach has led to developments like self-driving cars, robotic arms, and smart gadgets that improve daily life.

All in all, Mechatronics demonstrates the power of teamwork across engineering areas and drives progress in robotics and automation.

Jacques Cousteau, the renowned French underwater explorer, inventor, and filmmaker, is credited with several pioneering inventions that revolutionized underwater exploration.

He invented the Aqua-Lung, a regulator that made scuba diving more accessible, and the first underwater habitat called the “Conshelf series”, which allowed for extended stays underwater.

That showed that vehicle usage underwater, would greatly advance the field of marine science and underwater exploration.

Now on the basis of these spheres, a new science of underwater mechatronics appears

Design brief

Rough sketch

Preliminary drawing

Revision – правленный чертеж

Working drawing