

# ENGINEERING

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## Section 1: Structural Engineering

- Metals and their properties
- Property definitions
- Material finishes
- Joining methods

## Section 2: Materials / tooling and stock equations

- Metals and properties
- Tooling and equipment
- Drawings of processes – chamfering
- Stock form calculations

## Section 3: machinery and mechanical engineering

- Machinery and processes
- Risk assessments
- Ohms law
- Renewable energy and non-renewable energy
- Maintenance

## Section 4: Electronic engineering

- Impact of smart technology in cars