EngineerArc
Character sheet

Basic data

Name: ..... Career stage: .....

Persona archetype *(optional)* .....

Goals and motivation: *(optional)* .....

Hints for roleplay: *(optional)* .....

Persona attributes

Theory (T) :		Measures what you already know: facts, equations, standards, and theoretical tools. It governs tasks based on remembering or applying formal knowledge. High Theory means solid preparation and good academic habits.
Reasoning (R) :		Represents how you think rather than what you know: perception of patterns, logical connections, and self-correction. Provides hints, alternative routes, or early detection of mistakes. High Reasoning can be a "get-out-of-jail-free" card if everything else fails.
Structure (S) :		Ability to impose structure on action. Covers planning, systematic execution, operational awareness, integration of multiple steps, and controlling completeness and risk during execution. High Structure allows for performing extended and complex actions.
Charisma (C) :		Covers communication, persuasion, and teamwork. It decides how well you can explain your reasoning, negotiate for resources, or maintain good group dynamics. In collaborative sessions, Charisma often opens doors that pure knowledge cannot.

Stats should be in range of 3 - 10

Skills and competences

Coding skills:		Programming for analysis, automation, and control (Python, MATLAB, C/C++)
Mechatronic hardware:		Integration of electronic, robotic, and power components: Drives, bearings, norm-based equipment
CAD modelling skills:		Designing mechanical parts and assemblies for simulation or production, strength and dynamical analysis
Signals and systems:		Continuous and discrete signals, modeling and analyzing system dynamics in time and frequency domains
AI and decision systems:		Applying data-driven, machine-learning, and optimization methods
Measurements and sensors		Selecting, calibrating, and operating sensors with attention to accuracy
Structural dynamics:		Studying vibrations, resonances, and dynamic responses of structures
Automation and control:		Designing and tuning feedback systems and programming PLCs, state spaces and stability.
Embedded systems \& microcontrollers:		Developing firmware and handling real-time hardware interfaces, FPGA
Materials and manufacturing:		Understanding materials and fabrication methods for mechatronic parts.
Report and presenting skills:		Communicating results clearly through documentation and visuals.
Working with professional sources:		Reading and interpreting technical papers, standards, and documentation.
(optional)		
(optional)		