Below is an instantiated safety case for the General Purpose Control and Alarm (GPCA) system based on the provided pattern's predicates. The unique fields within the placeholders have been filled in, and the hierarchical tree format using dashes (-) denotes different levels.

\*\*Safety Case for the GPCA System\*\*

- G1: Operational safety is verified in the GPCA system.

- S1: Argument over the satisfaction of all specs over the GPCA system.

- C1: All specs are given by GPCA\_spec.allInstances()

- G2: All operational hazards are mitigated

- S3: Argument over operational hazards

- C2: Operational hazards are given by GPCA\_operational\_hazard.allInstances()

- G3: Medication overdose hazard is mitigated

- S4: Argument over the applied scenarios of Medication overdose hazard

- C3: All related scenarios are given by Medication overdose hazard

- G4: Medication overdose hazard is mitigated under power failure scenario

- S5: Argument over all specs related to power failure scenario

- C4: All related specs are given by power\_failure\_scenario.spec.allinstances()

- G5: Power failure management spec is appropriate for power failure scenario

- S6: Argument the appropriateness of power failure management spec over properties

- C5: Properties are given by power\_failure\_management\_spec.property.allinstances()

- G6: Voltage cutoff property is appropriate for power failure management spec

- S7: Argument over the source of the voltage cutoff property definition

- C6: Source is given by voltage\_cutoff\_property.source

- G7: Voltage cutoff source is appropriate and trustworthy

- Sn1: Manufacturer's documentation for voltage cutoff property

- G8: Voltage cutoff property definition is sufficient

- Sn2: Test results validating voltage cutoff property

- S2: Argument over reliability in all suitable levels of the GPCA system. (undeveloped)

Note: Since some elements in the provided pattern were marked as undeveloped or contained placeholders, the instantiated safety case above still contains corresponding undeveloped or placeholder aspects that need further refinement and details specific to the GPCA system.