

Requirements Elicitation Techniques

Technique	Description	Purpose for This Project
Interviews	Meet with students, garage admins, IT staff, and management.	To gather detailed functional needs, system constraints, and user expectations.
Questionnaires	Distribute online survey to large student and faculty sample.	To collect quantitative feedback about parking pain points and service demand.
Observation	Observe garage entry and parking process during busy hours.	To identify workflow inefficiencies and verify real-world bottlenecks.
Document Review	Examine current manual logs, gate passes, and sensor configuration documents.	To understand existing data structures and integration points.
Research Vendor Solutions	Review vendor docs for sensor API and similar smart-parking systems.	To benchmark best practices and identify feasible integrations.
Active User Comments	Gather feedback on early UI mock-ups.	To refine usability before implementation.