Biometric Checkout
Using Biometric Identification for Store Checkout

SYSTEM'S DESCRIPTION

The AI system, developed for retail store managers and staff, uses biometric technologies like fingerprint, facial, and iris recognition to make supermarket checkouts faster and more secure for customers.

BENEFITS

■ benefit enjoyed by
□ benefit not enjoyed by

	Customers	Store	Institutions and Environment
Reduction in checkout times	■	■	□
Reduction of identity theft and fraudalent transactions	■	■	□
Reduction in the need for human labor at checkout points	□	■	□
Optimization of inventory levels	□	■	□
Reduction in the need for physical payment methods	■	■	■

RISKS   MITIGATION STRATEGIES

■ risk faced by
□ risk not faced by

Capability Risks

Risk	Mitigation Strategy	Customers	Store	Institutions and Environment
Customer data leak	Regular updates with the latest security patches	■	■	■
Delays during power and network disruptions	Maintaining traditional, non-biometric payment methods and checkout methods	■	■	□

Human Interaction Risks

Risk	Mitigation Strategy	Customers	Store	Institutions and Environment
Unauthorized customer behaviour tracking	Explicit opt-in consent mechanisms for using records of purchases	■	■	■
Customer unfamiliarity	Assistance to unfamiliar customers	■	■	□

Systemic Impact

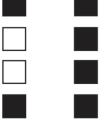| Risk	Mitigation Strategy	Customers	Store	Institutions and Environment
Digital exclusion	Assistive technologies including voice-activated systems and adaptive interfaces	■	■	■

SYSTEM'S DATA

■ applicable   □ not applicable

	Potentially employed for future uses	Personally identifiable information
Essential		
Facial images	■	■
Iris images	□	■
Fingerprint images	□	■
Payment information	■	■
Non-essential		
Records of purchases	■	■

PERFORMANCE OF MODELS ON DATA

Data	Model	Version	Accuracy
Facial images	FR3DNet	3.0	92%
Iris images	HR-IRII	2.2	89%
Fingerprint images	VGGNet	1.1.1	95%
Payment information	RFC	5.5	94%
Records of purchases	Logistic Regression	8.1	45%

REPORTING RISKS

Helpline: 0XXX XXX XXX
Reporting portal: report-risk@com
Mail: XX Main Street,
XXX-XXX Contry Z

REGISTERED OFFICE

Name of the company
XX Main Street,
XXX-XXX Contry X

CERTIFICATES

GDPR Compliant

PCI DSS Compliant