

	Technique	References	Usability								Deployability					Security											
			Memorywise-Effortless	Scalable-for-Users	Nothing-to-Carry	Physically-Effortless	Easy-to-Learn	Efficient-to-Use	Infrequent-Errors	Easy-Recovery-from-Loss	Accessible	Negligible-Cost-per-User	Server-Compatible	Platform-Independence	Mature	Non-Proprietary	Resilient-to-Physical-Observation	Resilient-to-Targeted-Impersonation	Resilient-to-Throttled-Guessing	Resilient-to-Unthrottled-Guessing	Resilient-to-Internal-Observation	Resilient-to-Leaks-from-Other-Verifiers	Resilient-to-Phishing	Resilient-to-Theft	No-Trusted-Third-Party	Requiring-Explicit-Consent	Unlinkable
Secret	Pin/password				●		●	●	○	●	●	●	●	●	●	●		○						●	●	●	●
Secret	Pseudo Pressure	[25]			●		●			●	●	●	●		●			●						●	●	●	●
Graphical based Password	Recall based technique	[26],[27],[28],[29],[30],[31],[32]			●		●	○	○	●		●		●		●		●				○		●	●	●	●
Graphical based Password	Recognition based technique	[33],[34],[35]			●		●	○	○	●		●		●	○	●		●				○		●	●	●	●
Physical Biometric	Finger Print	[7][8]	●	●	●	●	●	○	○		●	●	●	●	●	●	●	●	●	●		○		●	●	●	○
Physical Biometric	Iris Recognition	[36]	●	●	●	●	●	●	●		●	●	●	●	○	●	○	●	●	●		○		●	●	●	○
Physical Biometric	Voice recognition	[33] [34]	●	●	●	●	●	○			●	●	●	●	○	●			●	●		○		●	●	○	○
Physical Biometric	Face Recognition	[37]	●	●	●	●	●	○	●		●	●	●	●	○	●		●	●	●		○		●	●	○	○
Physical Biometric	Palm Vein Authentication System	[38]	●	●	●	●	●	●	●		●	●	●	●		-	●	●	●	●				●	●	●	●
Physical and Behavioral Biometric	Brain Wave Based Authentication	[39]			●					-	●						●	●	●	●				●	●	●	●
Behavioral Biometric	Gestures Recognition	[40]	●	●	●			-			●	●	●			●		○	●	●				●	●	●	●
Behavioral Biometric	Keystroke-dynamics	[41]	●	●	●		●	○			●	●	●			●		○	●	●				●	●	●	●
Behavioral Biometric	Context Based Authentication System	[42],[43]	●	●	●	●	●	●			●	●	●			●	●	●	●	●				●	●	●	●
MFA	One time password	[44]	●	●	●		●		○		○	○		●	●	○	●	●	●	●	○	●	●			●	●
MFA	Google 2-Step	[45]			●		●	○	○	○	○			●	●		○	○	●	●		●	●	●	●	●	●
MFA	Password and Location based	[14]			●		●	●	○	○	●	●	●	●		●			●	●		○		●	●	○	○
MFA	LocBiometrics	[17]			●		●				●	●		●		●	●	○	●	●	○	●	●	●		●	●
MFA	This scheme		●	●	●		●	●	○		●	●	●	●		●	●	○	●	●	○	●	●	●	●	●	●