

5.Click Create Election				
Project Name: Online Voting System		Test Designed by:	Susmita Ghosh	
Test Case ID: TC_15		Test Design date:	31/12/2025	
Test Priority (Low, Medium, High): High		Test Executed by:		
Module Name: IP Monitoring		Test Executed date:		
Test Title: Verify admin can block suspicious IP address				
Description: This test case validates the system's ability to block a suspicious IP address to prevent unauthorized access and protect system integrity.				
Precondition: Admin is logged in and the suspicious IP is detected in the monitoring list.				
Dependencies: Admin login is required, with IP Monitoring enabled and suspicious IP detection active.				
Test Steps	Test Data	Expected Results	Actual Results	Status (pass/Fail)
1.IP Address: 192.168.10.45	IP Address: 192.168.10.45	The IP is blocked, the block status is shown, and access is immediately denied.		
2.Block Reason: Multiple failed login attempts	IP Address: 192.168.10.45			
Project Name: Online Voting System				
Test Case ID: TC_16		Test Designed by:	S. M NAHID HASAN ZISAN	
Test Priority (Low, Medium, High):High		Test Design date:	1/1/2025	
Module Name: Backup & Recovery		Test Executed by:		
Test Title: Verify automatic scheduled backup execution		Test Executed date:		
Description: Test whether admin can manually trigger system backup				
Precondition: Admin account exists, the system is running normally, and the backup schedule is configured.				
Dependencies: Backup schedule must be configured in the system.				
Test Steps	Test Data	Expected Results	Actual Results	Status (pass/Fail)
1.Log in as Admin	Backup Schedule: Daily at 02:00 AM	Backup runs automatically at the scheduled time, the backup timestamp is updated, and no system interruption occurs.		
2.Wait for scheduled backup time				
3.Monitor backup service status				
4.Check backup timestamp on dashboard				
Project Name: Online Voting System				
Test Case ID: TC_17		Test Designed by:	S. M NAHID HASAN ZISAN	
Test Priority (Low, Medium, High):High		Test Design date:	1/1/2025	
Module Name: Backup & Recovery		Test Executed by:		
Test Title: Verify automatic scheduled backup execution		Test Executed date:		

Test Title: Verify admin-triggered manual backup				
Description: Test whether admin can manually trigger system backup				
Precondition: Admin is logged in System is operational				
Dependencies: Admin must be logged in and system running.				
Test Steps	Test Data	Expected Results	Actual Results	Status (pass/Fail)
1.Navigate to Backup & Recovery page	Admin credentials	Backup process starts successfully, a success message is shown, and the backup timestamp updates correctly.		
2. Click Run Backup button				
3.Confirm backup action				
4.Observe backup completion message				
Project Name: Online Voting System		Test Designed by:	S. M NAHID HASAN ZISAN	
Test Case ID: TC_18		Test Design date:	1/1/2025	
Test Priority (Low, Medium, High):High		Test Executed by:		
Module Name: Backup & Recovery		Test Executed date:		
Test Title: Verify backup restore with admin authentication				
Description: Test whether system restores backup only after admin authentication				
Precondition: Valid backup exists admin account is active				
Dependencies: A valid backup must exist for restore.				
Test Steps	Test Data	Expected Results	Actual Results	Status (pass/Fail)
1.Log in as Admin	Admin Password: Admin@123	Authentication is verified, the backup is restored successfully, and the system resumes normal operation.		
2.Go to Backup & Recovery page				
3.Click Restore Backup				
4.Enter admin password				
5.Confirm restore				
Project Name: Online Voting System		Test Designed by:	S. M NAHID HASAN ZISAN	
Test Case ID: TC_19		Test Design date:	1/1/2025	
Test Priority (Low, Medium, High):High		Test Executed by:		
Module Name: Data Recovery		Test Executed date:		
Test Title: Verify encrypted data integrity after recovery				
Description: Test whether restored data remains encrypted and intact				
Precondition: Backup restore completed successfully				

Dependencies: Backup must have been successfully restored.				
Test Steps	Test Data	Expected Results	Actual Results	Status (pass/Fail)
1.Backup restore completed successfully	Encrypted user records	All data remains encrypted, hash values validate correctly, and no plaintext sensitive data is found.		
2.Access restored vote data	Encrypted vote records			
3.Verify encryption and hash values				

Project Name: Online Voting System		Test Designed by:	S. M NAHID HASAN ZISAN	
Test Case ID: TC_20		Test Design date:	1/1/2025	
Test Priority (Low, Medium, High):High		Test Executed by:		
Module Name: Backup & Recovery		Test Executed date:		
Test Title: Verify restore restriction for unauthorized users				
Description: Test whether non-admin users are blocked from restoring backups				
Precondition: User logged in without admin role				
Dependencies: User must have non-admin role assigned.				
Test Steps	Test Data	Expected Results	Actual Results	Status (pass/Fail)
1.Log in as non-admin user	User Role: Observer	Access is denied, a security warning message is displayed, and the restore action is blocked.		
2.Attempt to access Backup & Recovery module				
3. Try clicking Restore Backup				

Project Name: Online Voting System		Test Designed by:		
Test Case ID: TC_21		Test Design date:		
Test Priority (Low, Medium, High):High		Test Executed by:		
Module Name:		Test Executed date:		
Test Title:				
Description:				
Precondition:				
Dependencies:				
Test Steps	Test Data	Expected Results	Actual Results	Status (pass/Fail)

Project Name: Online Voting System		Test Designed by:		
Test Case ID: TC_22		Test Design date:		
Test Priority (Low, Medium, High):High		Test Executed by:		
Module Name:		Test Executed date:		
Test Title:				
Description:				
Precondition:				
Dependencies:				