Test Report for the HRM System

# Report Summary

Project Name: HRM System Development  
Testing Period: Dec 12, 2024 – May 8, 2025  
Report Date: May 10, 2025  
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# 1. Summary of Testing Activities

• Test Plan Execution: Executed a total of 34 test cases.  
• Test Phases Covered: Functional Testing, UI Testing, Integration Testing.  
• Testing Tools Used: Manual Testing.

# 2. Test Results

## Test Case Execution

• Total Test Cases: 33  
 ○ Passed: 33  
 ○ Failed: 0  
 ○ Blocked: 0

## Defect Summary

• Total Defects Logged: 10  
 ○ Critical: 0  
 ○ High: 2  
 ○ Medium: 3  
 ○ Low: 5  
• Defects Fixed: 10  
• Defects Remaining: 0

# 3. Metrics

• Test Coverage: 88%  
• Defect Density: 0.03 defects per function point  
• Defect Detection Rate: 1.5 defects per day  
• Test Effort: 250 hours

# 4. Risks and Issues

## High Priority Issue

• Description: Leave encashment calculation fails for overlapping fiscal years.  
• Impact: High; incorrect salary disbursement may occur.  
• Mitigation: Patch scheduled in next release; temporary manual override implemented.

## Medium Priority Issue

• Description: Activity logs not filtering accurately by user and module.  
• Impact: Medium; affects audit trail clarity.  
• Mitigation: Fix scheduled for upcoming sprint.

# 5. Recommendations

• Leave Module: Review edge cases in leave encashment logic for boundary dates.  
• Activity Logs: Improve filter logic and validate query results.  
• Regression Testing: Perform regression tests after fixes.

# 6. Detailed Test Results

• Employee Management: 95% passed, 5% failed.

• Address Management: 100% passed.

• Leave Encashment: 98% passed, 2% failed, 0% blocked.

• Salary Management: 95% passed, 5% failed, 0% blocked.

• Roster Management: 100% passed.

• Attendance: 100% passed.

• Activity Log: 90% passed, 10% failed.

• Blood Bank: 100% passed.

# 7. Next Steps

• Fix remaining defects in Leave and Activity modules.  
• Conduct full regression testing across HRM modules.  
• Schedule performance and security validation cycles before deployment.

# 8. Conclusion

Manual testing for the HRM application was completed with the majority of test cases passing successfully. Some issues were found and logged for resolution. Further verification and retesting are advised

**Prepared by**  
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