**BUSINESS REQUIREMENTS   
DOCUMENT TEMPLATE**

# PROJECT DETAILS

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| PROJECT NAME | | |
| School ERP System | | |
| CREATOR | | |
| Sinchana A S - 4GH21CS045  Swathi M N - 4GH21CS054  Varshini C - 4GH21EC054 | | |
| -DOCUMENT NO. | DATE | VERSION NO. |
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| 1. EXECUTIVE SUMMARY SNAPSHOT |
| The School ERP (Enterprise Resource Planning) system is designed to streamline and automate various administrative and academic processes within a school. This BRD outlines the structure, modules, and key functionalities of the system. The ERP covers login management, student and faculty administration, course management, academic performance tracking, notifications, and complaints handling. The intended audience includes project developers, school management, and academic advisors. The document ensures clarity in project execution, facilitates better collaboration, and enables efficient development. |

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| 2. PROJECT DESCRIPTION |
| Currently, most school operations such as student record management, faculty coordination, course handling, and assignment submissions are managed manually or via multiple disconnected tools. These approaches are prone to errors and inefficiencies. The proposed School ERP System will digitize and unify these operations, offering a centralized platform that enhances accessibility, transparency, and effectiveness. |

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| 3. PROJECT SCOPE | |
| IN-SCOPE ITEMS | OUT-OF-SCOPE ITEMS |
| Item 1: User authentication and profile management for Admin, Faculty, and Students | Integration with third-party learning platforms |
| Item 2: CRUD operations for students, faculty, courses, assignments, complaints | Mobile application (initial release) |
| Item 3: Notification system for users | Payment gateway integration |
| Item 4: Attendance and results management | Integration with third-party learning platforms |
| Item 4: Assignment uploads and downloads |  |

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| 4. BUSINESS DRIVERS | |
| **Business Driver 1:** | Increase administrative efficiency by automating manual processes |
| **Business Driver 2:** | Enhance data accessibility and security via a centralized platform. |
| **Business Driver 3:** | Improve communication among students, faculty, and administration. |
| **Business Driver 4:** | Provide real-time insights into student performance and institutional records. |

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| 5. PRESENT PROCESS UNKNOWN  NO  YES  UNKNOWN  NO  YES  UNKNOWN  NO  YES  UNKNOWN  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO |
| * Requirements collection. * Sketching of the project Prototype. * Complaints and queries are handled informally or via paper-based logs. * Assignments are distributed physically and collected in-person. * No unified system for tracking performance, attendance, or schedules. |

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| 6. PROPOSED PROCESS UNKNOWN  NO  YES  UNKNOWN  NO  YES  UNKNOWN  NO  YES  UNKNOWN  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO |
| * A login-based system with role-specific dashboards * Admin can manage all users and content in the system * Faculty can handle academic content, track attendance, and send updates * Students can access course materials, submit assignments, and raise complaints * Notifications system keeps all users updated |

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| 7. FUNCTIONAL REQUIREMENTS UNKNOWN  NO  YES  UNKNOWN  NO  YES  UNKNOWN  NO  YES  UNKNOWN  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO |
| * A login-based system with role-specific dashboards * Admin can manage all users and content in the system * Faculty can handle academic content, track attendance, and send updates * Students can access course materials, submit assignments, and raise complaints * Notifications system keeps all users updated |

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| – PRIORITY | | |
| **VALUE** | **STATUS** | **DESCRIPTION** |
| 1 | Immediate | The requirement is critical to the project’s success. Without fulfilling this requirement, the project is not possible. |
| 2 | High | The requirement is high priority re the project's success, but the project could still be implemented in a minimum viable product (MVP) scenario. |
| 3 | Moderate | The requirement is important to the project’s success, as it provides value, but the project could still be implemented in an MVP scenario. |
| 4 | Low | The requirement is of low priority, but the project’s success is not dependent upon it. |
| 5 | Prospective | The requirement is out of the project’s scope and is included as a possible component of a prospective release and/or feature. |

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| – CATEGORIES (RC1) | | | |
| **ID** | **REQUIREMENT** | **PRIORITY** | **RAISED BY** |
| FR1 | Admin can log in/log out | 1 | Admin |
| FR2 | Admin manages faculty (CRUD) | 1 | Admin |
| FR3 | Admin manages students (CRUD) | 1 | Admin |
| FR4 | Admin responds to complaints | 1 | Admin |
| FR5 | Admin manages assignments and subject notes | 1 | Admin |
| FR6 | Admin manages courses and student programs | 1 | Admin |
| FR7 | Admin sends notifications | 2 | Admin |
| FR8 | Admin manages profile and password | 3 | Admin |
| FR9 | Student login/logout | 1 | Student |
| FR10 | Student views faculty and programs | 2 | Student |
| FR11 | Student submits/view complaints | 2 | Student |
| FR12 | Student views attendance, results, notes, assignments | 1 | Student |
| FR13 | Student uploads assignments | 2 | Student |
| FR14 | Student inquiries | 3 | Student |
| FR17 | Faculty views programs, adds content | 2 | Faculty |
| FR18 | Faculty views/upload assignments | 2 | Faculty |
| FR19 | Faculty views/upload results | 2 | Faculty |
| FR20 | Faculty sends messages to students | 2 | Faculty |
| FR21 | Faculty profile and password management | 3 | Faculty |

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| 8. NON-FUNCTIONAL REQUIREMENTS UNKNOWN  NO  YES  UNKNOWN  NO  YES  UNKNOWN  NO  YES  UNKNOWN  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO | |
| **ID** | **REQUIREMENT** |
| NFR1 | System must ensure role-based secure access |
| NFR2 | The interface must be user-friendly and responsive |
| NFR3 | Data should be stored and retrieved using MySQL database |
| NFR4 | System should support concurrent access by multiple users |
| NFR5 | Passwords should be encrypted |

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| 9. GLOSSARY UNKNOWN  NO  YES  UNKNOWN  NO  YES  UNKNOWN  NO  YES  UNKNOWN  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO | |
| **TERM/ABBREVIATION** | **EXPLANATION** |
| ERP | Enterprise Resource Planning |
| CRUD | Create, Read, Update, Delete |
| MySQL | Relational Database Management System |

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| 10. REFERENCES UNKNOWN  NO  YES  UNKNOWN  NO  YES  UNKNOWN  NO  YES  UNKNOWN  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO | |
| Provide links to all referenced resources (websites, documents, etc.) throughout this document. | |
| **NAME** | **LOCATION** |
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| 11. APPENDIX |
| * Frontend: HTML, CSS, JavaScript, Bootstrap * Backend: Spring Boot (Java) * Database: MySQL * Tools: IDE Eclipse, XAMPP Server, Postman (API Testing), GitHub |