# PRISMA 2020 Checklist for Systematic Review

**Title:** Enterprise Resource Planning Systems in the Era of Intelligent Computing: A Comprehensive Survey of AI Integration, Security Frameworks, and Emerging Paradigms (2020â€“2026)

## PRISMA 2020 Main Checklist

| Section/Topic | # | Checklist Item | Location |
|---|---|---|---|
| **TITLE** | | | |
| Title | 1 | Identify the report as a systematic review. | Page 1 (Title) |
| **ABSTRACT** | | | |
| Abstract | 2 | See the PRISMA 2020 for Abstracts checklist. | Page 1 (Abstract) |
| **INTRODUCTION** | | | |
| Rationale | 3 | Describe the rationale for the review in the context of existing knowledge. | Section 1.1 |
| Objectives | 4 | Provide an explicit statement of the objective(s) or question(s) the review addresses. | Section 1.2 |
| **METHODS** | | | |
| Eligibility criteria | 5 | Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses. | Section 1.3, Supplementary S2 |
| Information sources | 6 | Specify all databases, registers, websites, organisations, reference lists and other sources searched or consulted to identify studies. | Section 1.3 Phase 1 |
| Search strategy | 7 | Present the full search strategies for all databases, registers and websites, including any filters and limits used. | Section 1.3 Phase 1, Supplementary S1 |
| Selection process | 8 | Specify the methods used to decide whether a study met the inclusion criteria of the review. | Section 1.3 Phase 2-3, Supplementary S2 |
| Data collection process | 9 | Specify the methods used to collect data from reports, including how many reviewers collected data from each report. | Section 1.3 Phase 4, Supplementary S3 |
| Data items | 10a | List and define all outcomes for which data were sought. | Section 1.3 Phase 4, Supplementary S3 |
| | 10b | List and define all other variables for which data were sought. | Section 1.3 Phase 4, Supplementary S3 |
| Study risk of bias assessment | 11 | Specify the methods used to assess risk of bias in the included studies. | Section 1.3 Phase 3 |
| Effect measures | 12 | Specify for each outcome the effect measure(s) used in the synthesis or presentation of results. | Sections 3-9 (domain-specific) |
| Synthesis methods | 13a | Describe the processes used to decide which studies were eligible for each synthesis. | Section 1.3 Phase 5 |
| | 13b | Describe any methods required to prepare the data for presentation or synthesis. | Section 1.3 Phase 5 |
| | 13c | Describe any methods used to tabulate or visually display results of individual studies and syntheses. | Sections 3-10, Tables I-III, Figures 1-5 |
| | 13d | Describe any methods used to synthesize results and provide a rationale for the choice(s). | Section 1.3 Phase 5 |
| | 13e | Describe any methods used to explore possible causes of heterogeneity among study results. | Section 10.2 |
| | 13f | Describe any sensitivity analyses conducted to assess robustness of the synthesized results. | Section 11 (Limitations) |
| Reporting bias assessment | 14 | Describe any methods used to assess risk of bias due to missing results in a synthesis. | Section 11 (Limitations) |
| Certainty assessment | 15 | Describe any methods used to assess certainty (or confidence) in the body of | Section 1.3 Phase 3 |

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| | | evidence for an outcome. | |
| **RESULTS** | | | |
| Study selection | 16a | Describe the results of the search and selection process. | Section 1.3, Figure (PRISMA Flow Diagram) |
| | 16b | Give numbers of studies screened, assessed for eligibility, and included in the review, with reasons for exclusions at each stage. | PRISMA Flow Diagram, Supplementary S2 |
| Study characteristics | 17 | Cite each included study and present its characteristics. | References, Supplementary S2-S3 |
| Risk of bias in studies | 18 | Present assessments of risk of bias for each included study. | Section 1.3 Phase 3, Supplementary S2 |
| Results of individual studies | 19 | For all outcomes, present, for each study: summary statistics and effect estimate and confidence interval. | Sections 3-9, Tables I-III |
| Results of syntheses | 20a | For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies. | Sections 3-10 |
| | 20b | Present results of all statistical syntheses conducted. | Sections 3-10, Tables I-III |
| | 20c | Present results of all investigations of possible causes of heterogeneity among study results. | Section 10.2 |
| | 20d | Present results of all sensitivity analyses conducted. | Section 11 (Limitations) |
| Reporting biases | 21 | Present assessments of risk of bias due to missing results for each synthesis assessed. | Section 11 (Limitations) |
| Certainty of evidence | 22 | Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed. | Section 1.3 Phase 3, Sections 3-9 |
| **DISCUSSION** | | | |
| Discussion | 23a | Provide a general interpretation of the results in the context of other evidence. | Section 11.1-11.2 |
| | 23b | Discuss any limitations of the evidence included in the review. | Section 11.4 |
| | 23c | Discuss any limitations of the review processes used. | Section 11.4 |
| | 23d | Discuss implications of the results for practice, policy, and future research. | Sections 11.2-11.3 |
| **OTHER INFORMATION** | | | |
| Registration and protocol | 24a | Provide registration information for the review, including register name and registration number. | N/A (Not pre-registered) |
| | 24b | Indicate where the review protocol can be accessed. | N/A |
| | 24c | Describe and explain any amendments to information provided at registration or in the protocol. | N/A |
| Support | 25 | Describe sources of financial or non-financial support for the review. | Not applicable |
| Competing interests | 26 | Declare any competing interests of review authors. | None declared |
| Availability of data, code and other materials | 27 | Report which of the following are publicly available and where they can be found: template data collection forms; data extracted from included studies; data used for all analyses; analytic code; any other materials used in the review. | Data Availability Statement |

# Notes

1. This systematic review was conducted following PRISMA 2020 guidelines.
2. Single-author review: All screening, data extraction, and analysis performed by one researcher.
3. Search period: January 2020 to January 2026
4. Total studies included: 147 peer-reviewed publications
5. Databases searched: IEEE Xplore, ACM Digital Library, ScienceDirect, SpringerLink, Google Scholar