|  |  |
| --- | --- |
| Chad Software, LLC  4202 E Fowler Ave  Tampa, FL 33620 | Software Requirements Specification  (CPMS) |
| Organization Requesting Service  Consortium for Computing Sciences in Colleges Midwest (CCSCMW) | Date  06/17/2022 |
| Preparer  Name: David Alvarez  Title: Systems Analyst  Phone: (813) 407-0772  Email: davidj398@yahoo.com | Key Point of Contact  Name: Dr. Steve Smith  Title: CCSCMW Papers Chair  Phone: (123) 456-7890  Email: steve.smith@ccsc.org |
| Functional Requirements   |  |  |  | | --- | --- | --- | | Category | Priority | The system shall permit a Papers Chair to… | | Mandatory | 1 | Register/Login | | Mandatory | 1 | Automate reviewer registration process | | Mandatory | 1 | Automate author registration process | | Mandatory | 1 | Automate the matching of reviewer to paper process | | Mandatory | 1 | Automate paper distribution process | | Mandatory | 1 | Automate paper scoring process | | Mandatory | 1 | Automate the report generation process | | Mandatory | 1 | Validate correct match of reviewer/paper | | Mandatory | 1 | Automate paper submission process | | Mandatory | 1 | Automate the compilation of paper scores summary report, authors report, reviewers report and comments | | Mandatory | 2 | Send deadline reminder alerts to Reviewers | |  |  |  | | Category | Priority | The system shall permit an Author to… | | Mandatory | 1 | Register/Login | | Mandatory | 1 | Upload papers | | Mandatory | 1 | Select the topics that closely describe their papers | | Mandatory | 1 | Submit papers | | Mandatory | 1 | Allow to retrieve forgotten password | | Mandatory | 2 | Modify contact information | |  |  |  | | Category | Priority | The system shall permit a Reviewer to… | | Mandatory | 1 | Register/Login | | Mandatory | 1 | Select the topics that they are most knowledgeable in | | Mandatory | 1 | Accept digital papers assigned to them | | Mandatory | 1 | Review papers | | Mandatory | 1 | Score/Rate papers | | Mandatory | 1 | Insert comments | | Mandatory | 1 | Submit completed reviews | | Mandatory | 2 | Allow to retrieve forgotten password | | Mandatory | 2 | Modify contact information | | |
| Non-Functional Requirements   |  |  |  | | --- | --- | --- | | Category | Priority |  | | Mandatory | 1 | Availability: The system shall be available 24/7 for test | | Mandatory | 1 | Compatibility: The system shall be compatible with CCSCMW’s existing server platforms and with all Internet Browsers | | Mandatory | 1 | Robustness: The system shall not permit user to input bad data | | Mandatory | 1 | Reliability: The system must accurately match reviewers and papers and score papers without error | | Mandatory | 1 | Security: The system shall require login credentials for access | | Mandatory | 1 | Usability: The system shall be intuitive and easy to use | | Mandatory | 1 | Stable: The system shall not exhibit behavior that may hinder system users and affect mandatory functional requirements | | Mandatory | 1 | Efficiency: The system shall complete tasks in a timely and costly manner | | Mandatory | 1 | Scalability: The system shall be able to support any future increase of data throughput and users | | Optional | 1 | Accessibility: The system shall be fully usable by those with poor vision | | Optional | 2 | Accessibility: The system shall be fully usable by those with poor hearing | | |
| Constraints (Operational and Technical)  Operational: The CPMS must be fully operational before the start of the next paper submission process occurring in January. All development costs must not exceed the established CCSCMW budget.  Technical: The CPMS system must run on CCSCMW’s existing server and use existing database management system. | |
| Standards  *The CPMS must be developed using our standard programming languages (C#, ASP.NET, SQL). The CPMS must follow the coding and quality standards established by our software development organization. The CPMS must follow the de facto user-interface design standards associated with modern software systems.* | |