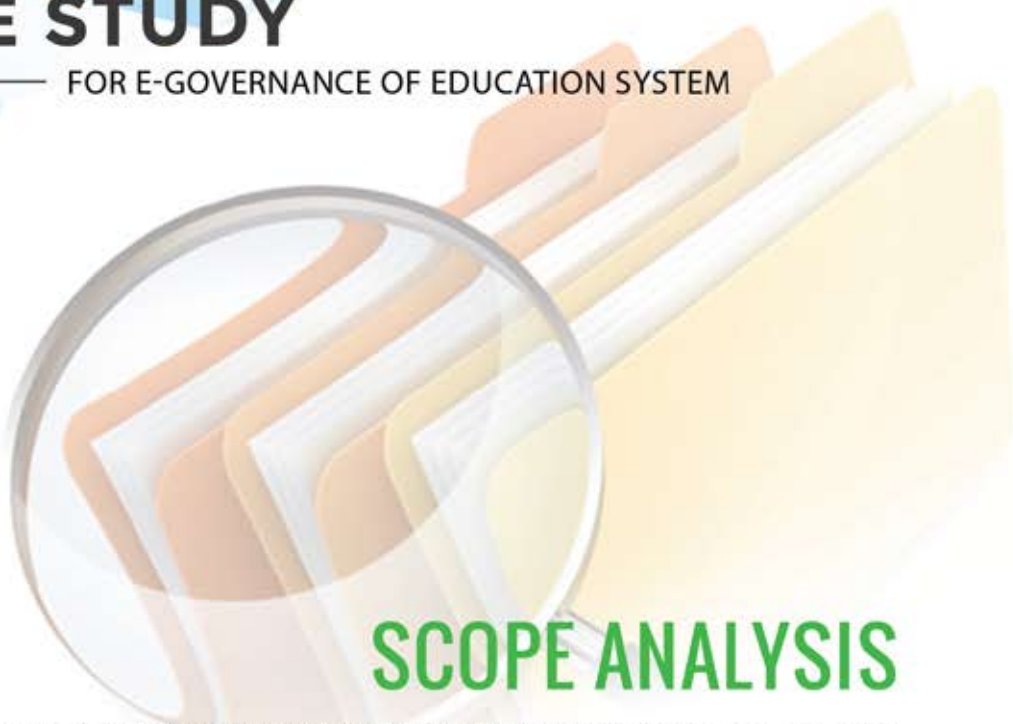


CASE STUDY

FOR E-GOVERNANCE OF EDUCATION SYSTEM

OBJECTIVE

Primary objective of this case study is to analyze the testing performed for e-Governance of Education System application Which is a web-based & mobile application



SCOPE ANALYSIS

e-Governance of Education System application contains the high level modules as Principal, Staff, Admin, Student/Parent and Alumni. Each module has unique Dashboard with configurable functionality.

TESTING APPROACH

- Test plan design with all the necessary information related to scope, estimation and delivery
- Reviewing the requirement documents – Project scope related documents will be reviewed by the tester and requirement walkthrough with the client/BA personnel can be scheduled
- Brainstorming session will be conducted internally on the project requirements
- Test case design which will include functional, compatibility and regression test suite
- Test execution, Defect reporting using Zoho tool
- Following testing will be considered

Accessibility	Compatibility	Content	Functional	Performance
Reliability	Scalability	Security	Usability	

- Defect metrics preparation with defect priority & severity
- QA sign off with a stable build tested in QA environment
- Deliverables released along with release sign off

CHALLENGES/SOLUTIONS DURING TESTING

- No specific test process followed initially, later we proposed with a test process
- Adhere with estimated deadlines for complex projects with additional efforts
- Maintain the Clarification Tracker to post and resolve the clarifications and give solutions
- Frequent requirement changes

VALUE ADDED TO THE CLIENT

- Introduced a formal test process to increase the quality standards and to yield standardized work flow
- Identifying the requirement gaps which reduced the functional requirement slippage at the initial phase itself
- Suggested few requirements that were not captured in the BRD which turned out be new features

e-Governance of Education System application contains the high level modules as Principal, Staff, Admin, Student/Parent and Alumni. Each module has unique Dashboard with configurable functionality.

FEW METRICS

TEST ARTIFACTS

No. of manual test cases developed & Executed 2500+

DEFECT SUMMARY

TOTAL DEFECTS LOGGED	430
NO OF P1 DEFECTS	280
NO OF P2 DEFECTS	105
OTHER DEFECTS	45
SUGGESTIONS WHICH TURNED OUT AS NEW FEATURE	27