Effective requirement implementation leads to successful delivery of software. The requirement engineering (RE) is very difficult when implemented locally but the case is worst in global software development (GSD). There exist challenges such as ‘Lack of effective communication’, ‘Organizational change’, ‘Lack of coordination and collaboration’, ‘Lack of knowledge-sharing and awareness’ in GSD and to minimize the effect of these challenges success factors such as ‘Support of collaborative tools’, ‘Global project management’, ‘Requirement Engineering modelling’, and ‘Proper negotiation and discussion’ are suggested by many authors. To decrease the effect of challenges and to successfully implement success factors, practices and solutions are needed. The objective of this research is to find the practices needed to successfully implement RE process. Systematic Literature Review (SLR) is conducted for the identification of these practices.


17. C. Gutwin, R. Penner, and K. Schneider, ‘Group Awareness in Distributed Software


35. D. M. Fernández and S. Wagner, ‘Naming the pain in requirements engineering: A
design for a global family of surveys and first results from Germany’, Inf. Softw. Technol., vol.
during the requirements elicitation process in GSD projects’, Requir. Eng., vol. 15, no. 4, pp.
pp. 462–471.
39. A. Hoffmann and C. Lescher, ‘Collaboration and Intercultural Issues on Requirements:
in Global Requirements Elicitation RE-GSD Methodology’, CLEI Electron. J., vol. 11, no. 1,
2008.
42. J. Hanisch and B. Corbitt, ‘Impediments to requirements engineering during global
44. R. E. Gallardo-valencia and S. E. Sim, ‘Continuous and Collaborative Validation : A
Field Study of Requirements Knowledge in Agile’, 2010

Index Terms

Computer Science

Software Engineering

Keywords

Keywords: Practices/Solutions, Systematic literature review, Global software development,
Requirement engineering.