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Using Business Process Reengineering to Improve and Optimize Project

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Abstract

The study focuses on the application of Business Process Reengineering (BPR) to address the issues experienced with the Project Portfolio Management system. The objective of the research is to examine and analyze the current business Project portfolio management processes to identify redundant activities/inputs. To apply BPR methodology to reengineer the identified business process to achieve dramatic results with respect to improve quality of workflow through by elimination on disintegration, and to ensure simple and streamlined processes. To increase efficiency in managing project portfolio. And to develop and maintain a culture of continuous improvement and maintain it. The research adopts a qualitative approach to explore and explain the application of Business Process Reengineering in address issues experienced with the Project Portfolio Management system.

Keywords
BPR, Engineering, Industry, Project and CPI.

Biographies
Ngaka Mosia is a lecturer at the University of South Africa. He holds a Master of philosophy in Engineering Management degree from the University of Johannesburg. Ngaka has presented various national and international conference papers and published several journal papers. He is a member of SAIIE, IEOM, NADEOSA and SASEE and has more than 20 years' industry experience on various levels.

Kemlall Ramdass is a full Professor and associate director of quality in the School of Engineering in the college of science, engineering and technology. He is the first full professor in the department Industrial Engineering in the University of South Africa. He earned a master's in engineering management from the University of Johannesburg and PhD in Engineering Management from University of Johannesburg. He has published journal and conference papers. His research interests include manufacturing, simulation, optimization, reliability, scheduling, manufacturing, and lean. He is a member of IEOM, SAIIE, ECSA and SASEE.

Koketso Masenya is a lecturer in the department of industrial engineering, in the college of science engineering and technology, at the University of South Africa**.** She has taught courses in production management and entrepreneurship and innovation for engineers. Ms. Koketso Masenya is an emerging researcher and member of woman in engineering. She is a member of IEOM and SAIIE.