



BLACK BELT CERTIFICATION

I hereby certify that:

Karanja Murage

*has completed a 120-hour training on advanced topics related to
Six Sigma and Lean Manufacturing at a Black Belt
level and has satisfactorily demonstrated proficiency in this body
of knowledge being approved in the final test.*

A stylized, handwritten signature in white ink, belonging to Prof. Dr. Marcelo Machado Fernandes.

Prof. Dr. Marcelo Machado Fernandes

Lean Six Sigma Master Black Belt

ASQ Certified MBB – 65316044

Minitab Certified Trainer



15/06/2024