



**LEAN HIERARCHICAL  
FUNCTION DEPLOYMENT FOR  
PROJECT-BASED  
PRODUCTION LINE**

**WAN HASRULNIZZAM WAN MAHMOOD  
INTAN BAZLIAH MOHD  
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## LEAN HIERARCHICAL FUNCTION DEPLOYMENT FOR PROJECT-BASED PRODUCTION LINE

The aim of the book is to introduce a new approach known as Lean Hierarchical Function Deployment (LHFD) where Analytic Hierarchy Process (AHP) was originally developed for making the decision making for the complex problem while Quality Function Deployment (QFD) was developed for the design of process and development. This LHFD methodology was focused and elaborated more on the extended AHP and QFD with modelling simulation used for finding the relationship between lean production line practices and lean manufacturing strategies. Two case studies were included to validate the lean production essential parameter using LHFD model, especially for project based production line. These findings have significant implication, theoretically and practically for translating the strategy and policies on preparing the deployment approach as a sub activity in the LHFD model, especially to absorb any changes or uncertainty in productivity issues.



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