



University of Bradford eThesis

This thesis is hosted in [Bradford Scholars](#) – The University of Bradford Open Access repository. Visit the repository for full metadata or to contact the repository team



© University of Bradford. This work is licenced for reuse under a [Creative Commons Licence](#).

**THE DEVELOPMENT OF A HYBRID KNOWLEDGE-
BASED SYSTEM FOR DESIGNING A LOW VOLUME
AUTOMOTIVE MANUFACTURING ENVIRONMENT**

N. M. Z. NIK MOHAMED

PhD

UNIVERSITY OF BRADFORD

2012

**THE DEVELOPMENT OF A HYBRID KNOWLEDGE-
BASED SYSTEM FOR DESIGNING A LOW VOLUME
AUTOMOTIVE MANUFACTURING ENVIRONMENT**

The Development of A Hybrid Knowledge-Based
(KB)/Gauging Absences of Pre-Requisites (GAP)/Analytic Hierarchy Process (AHP)
System for the Design and Implementation of a Low Volume Automotive
Manufacturing (LVAM) Environment

N. M. Z. NIK MOHAMED

Submitted for the degree of
Doctor of Philosophy

School of Engineering, Design and Technology

University of Bradford

2012