VAAL UNIVERSITY OF TECHNOLOGY
Inspiring thought. Shaping talent.

DIPLOMA IN INDUSTRIAL ENGINEERING
WORK INTEGRATED LEARNING
EVALUATION OF EXPOSURE

Student Number	Student Name	Company Name

Industrial engineering technicians work in a variety of industries and businesses. It is more than manufacturing – it also encompasses service industries, with many IE technicians employed in entertainment industries, shipping and logistics businesses, healthcare organizations, Information Technology, and financial services. IE students can do their work-integrated learning at any of these industries and therefore, no specific tools, techniques and learning areas can be prescribed for WIL. This document shows which of the many different tools, techniques and learning areas the student was exposed to during their work-integrated learning. No diploma application will be approved if the student had not been exposed to six (6) months of applicable in-service training.

The student has been exposed to the practical application of the following learning areas during his/her work integrated learning period (A minimum of six (6) required):

Health and Safety		First Aid		Workshop Processes			
Forecasting		Capacity Planning		Scheduling			
Inventory Management		Logistics and Distribution		Quality Management			
Project Planning & Control		Productivity Improvement		Design			
Facility Layout		Work Measurement		Method Studies			
Decision Analysis		Ergonomics		Automation			
Material Handling		Human Factors		Maintenance			

The following techniques were applied during the work integrating learning period (A minimum of 4 required):

Forecasting		Scheduling		MRP and MPS			
JIT and Inventory		Economic Analysis		Critical Examination			
Value Analysis		Creative Thinking		Time Study			
Facility Layout		Activity Sampling		Process Charting			
Feasibility Studies		Computer-Aided Design		Work Environment Design			
Reliability Studies		Overall Equip. Effectiveness		Equipment monitoring unit			

The following tools were used during the application of the abovementioned techniques (A minimum of six (6) required):

Stopwatches		Pre-designed Documents		Document Boards			
Scientific Calculators		Microsoft Word		Microsoft Excel			
Microsoft Project (basic)		Microsoft PowerPoint		Microsoft Visio			
MODAPTS		Quantitative Analysis		Qualitative Analysis			

Please note the following comments:

Markers Signature	Initials and Surname	Date