

- Complex decisions - dynamic, unknown factors
- No standard rules for making decisions
- Rely heavily on human expertise & experience

- Data Collection

Microsoft Excel - MTProject_WorkShop

File Edit View Insert Format Tools Data Window Help

75%

D21

Manufacturing Technology Projects Prioritisation Process									
1	Project:								
2	Date:								
3	Project Cost :								
4									
5	Prioritisation Criteria				Rating	Weighting	Weighted score	Max Possible	% Ranking
6					Score				
7	Financial Benefits					10.00%	0		
8	Impact on solving identified manufacturing problems					10.00%	0		
9	Impact on critical products					25.00%	0		
10	Impact on consistency of product quality					30.00%	0		
11	Opportunity to deploy technology across the network					10.00%	0		
12	Speed to implement					15.00%	0		
13						100.00%	0	10	0.00%
14									
15									
16	Risk Assessment		Probability of occurrence (1 = low, 5 = high)	Impact of risk (1=low, 5 = high)	Risk Rating (RPN)				
17	Technology novelty risk				0				
18	Resource risk				0				
19					0				
20									
21	Prioritisation Score:								0.00%
22	Assessed % Risk:								0.00%

Sheet1 / Sheet2 / Sheet3 /

Ready

An AI Decision Support Tool

- Use AHP/ANP to capture evaluation criteria from domain experts
- Apply AI models to process assessment scores from domain experts
- Deduce reasoning from AI models to provide justifications

