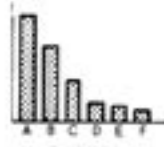
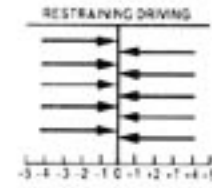




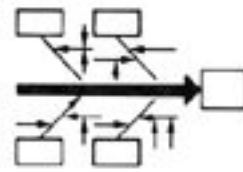
CHARTS AND GRAPHS



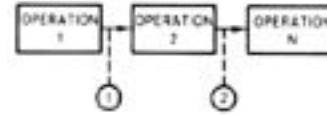
PARETO



FORCE FIELD ANALYSIS



CAUSE-AND-EFFECT ANALYSIS



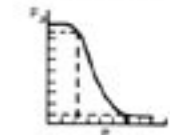
DATA GATE IDENTIFICATION

GATE	PARAMETER	DATA	CONTROL
1			
2			
3			
4			

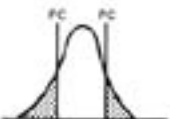
CONTROL OPTIMIZATION PLAN

$$S = \sqrt{\frac{\sum (X_i - \bar{X})^2}{n-1}}$$

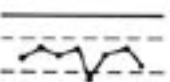
STATISTICS



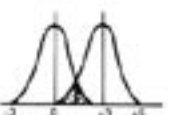
ACCEPTANCE SAMPLING



PRE-CONTROL



CONTROL CHARTS



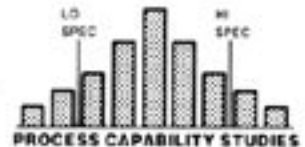
VALIDATION



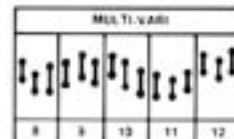
THE LOGIC FILTERS

FREQUENCY	ACTION MATRIX	
	SEVERITY	

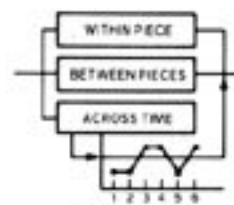
CORRECTIVE ACTION MATRIX



PROCESS CAPABILITY STUDIES



MULTI VARI STUDIES



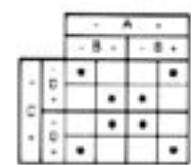
RUNS TEST



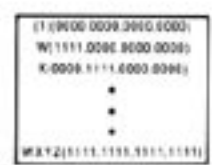
RESPONSE SURFACE



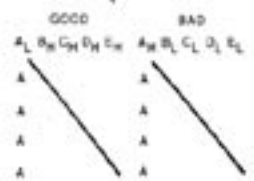
FULL FACTORIAL DESIGNS



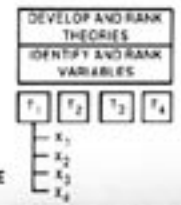
FRACTIONAL DESIGNS



GROUP SCREEN DESIGNS

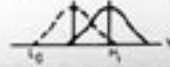


COMPONENT INTERCHANGE



THEORY DEVELOPMENT

- DEFINE PROBLEM
- CONDITIONS
- EXTENT
- LEVEL OF PERFORMANCE
- TIME FRAME
- STANDARDS



PROBLEM IDENTIFICATION