

IE3100R System Design Project, Department of Industrial & Systems Engineering **APJ PROMOTION EFFECTIVENESS** A COLLABORATION BETWEEN HP AND NUS

## PROBLEM DEFINITION AND OBJECTIVE

HP distributes products to end user through channel partners and grants price adjustment and discount to partners to encourage sell through/sell out motion, which is called **back-end promotion**.

1.11	PARTNER					
	Shipment	Stock	Promotion to	>		
1		up	stimulate sales out	1		
		-				

HP measures promotion effectiveness by tracking the proportion of low payout programs (programs with payout lower than a certain value). In Asia-Pacific Japan region(APJ), there are a large percentage of promotions that drive little rebates. Therefore, the objectives of this project are to identify the critical factors that influence promotion effectiveness and recommend preferred practices for future promotion programs in HP.





## **RESEARCH METHODOLOGY**

- publications
- HP staff



- ➡ Focus on Singapore due to diverse effects of the same factor across APJ
- Break down data into groups, observe and test the significance of factors
- Aggregate similar groups and conclude effects of factors on a large scale
  - Excel to plot relations between various factors and low payout ratio/

Understand the Project Scope

**Brainstorm Possible Factors** 

## Identify Critical Factors



promotion effectiveness	reques	st inventory stock up	sales results unsatisfying	routine process	inventory	adopted by competitors	(fixed duration)	partners in program	partners	partners' inventory level	
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## RECOMMEDATIONS

- Initiate more promotions during peak period
- Control the numbers of short-term promotions, promote long term promotions
- Setup different criteria for different product lines
- Hold more information sharing session among program owners and encourage them to learn from each other
- Increase rebate amount for ineffective promotions
- Revise promotion effectiveness measurement system, include other indicators like the reduction of inventory level and introduce normalization

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