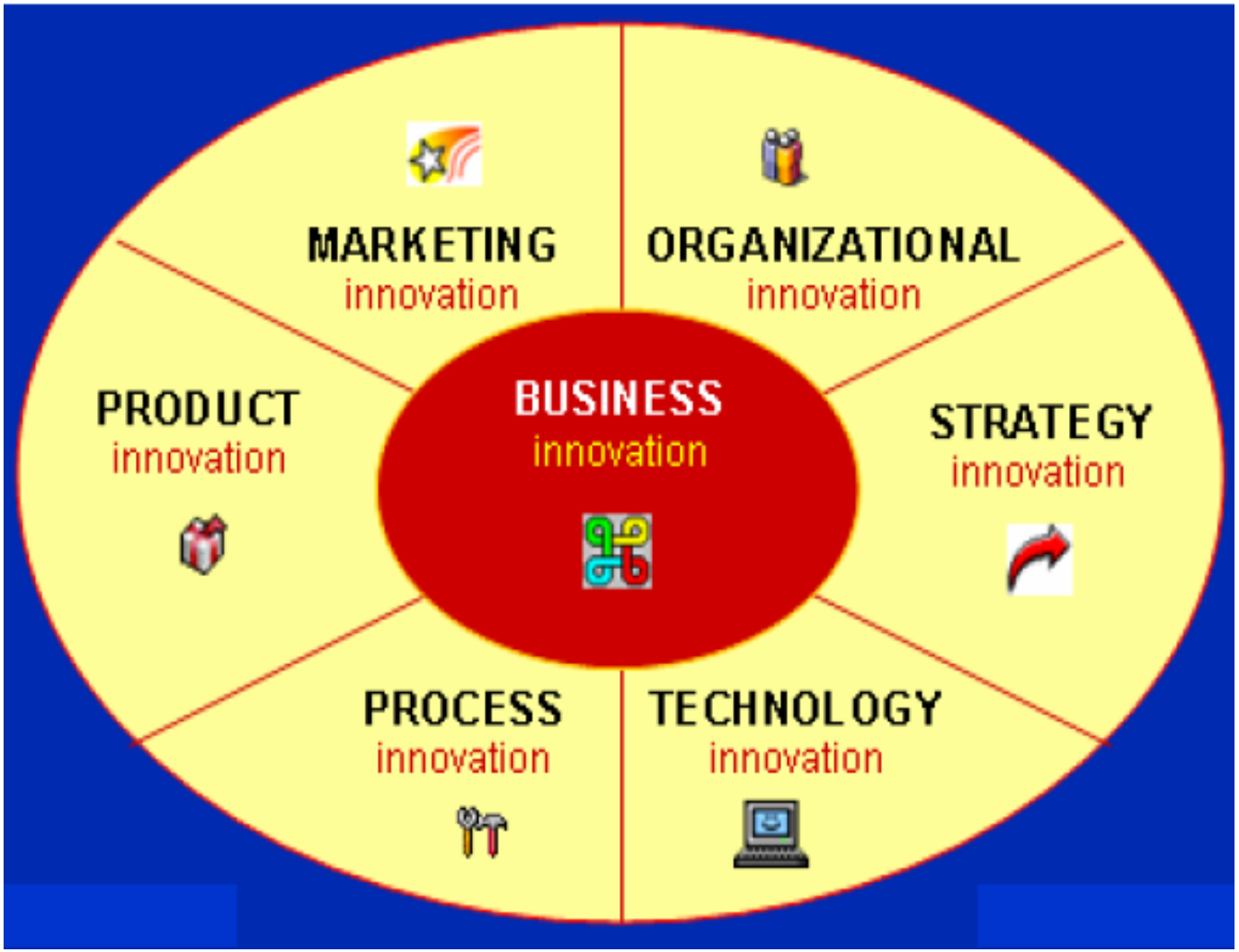
SYSTEMATIC APPROACH TO INNOVATION



Source : Resource Productivity Consulting Services

ASIT

Advanced
Systematic
Inventive
Thinking

TOOLKIT

dibtagroup
"EAST + WEST" LEARNING SOLUTIONS

IKV #1 : SELECTING THE PROJECT

IKNOWVASI PROJECT :……..…… Date: Prepared by :

THE PROBLEM TO BE ADDRESS:

BUSINESS IMPACT:

POSSIBLE COST SAVING:

PROJECT TEAM :

LEADERS: :……

DRIVER :……

KM :……

MEMBERS

……

……

……

……

PROJECT PLAN :

STAGE	DATE										
1											
2											
3											
4											
5											
6											

UNDERSTANDINGTHE PROBLEM

Date:

Prepared by :

EXPECTED PERFORMANCE:

ACTUAL PERFORMANCE:

PERFORMANCE VARIATION:

PARTNERSHIP SELECTION:

POSSIBLE CAUSES:

IS IT A BIG CONCERN FOR MY BOSS?

IS IT WITHIN MY CONTROL?

CAN I GET THE BOSS CONSENT?

?

DO I HAVE THE CAPABILITY?

LOOKING AT THE THE PROBLEM:

Date: Prepared by :

PROBLEM:

PROBLEM OBJECTS :

1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

A : Aggravating Factor B : Neutral Factor B : Benefiting Factor

ENVIRONMENTAL OBJECTS :

1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

B : Neutral Factor B : Benefiting Factor

4A- LOOKING FOR UNIFICATION SOLUTIONS:

Date: Prepared by :

WANTED HAPPENING:

UNWANTED HAPPENING

UNIFICATION POSSIBILITIES:

#	The selected object	will	The action	Y/N/K
1		*will*		
2		*will*		
3		*will*		
4		*will*		
5		*will*		
6		*will*		
7		*will*		

Y : Yes, will work **N : No, will not work** **K : KIV, Maybe will work**

POSSIBLE SOLUTION:

4B- LOOKING FOR MULTIPLICATION SOLUTIONS:

Date: Prepared by :

WANTED HAPPENING:

UNWANTED HAPPENING

MULTIPLICATION POSSIBILITIES:

#	The selected object	Will Do	The action	Y/N/K
1		*will do*		
2		*will do*		
3		*will do*		
4		*will do*		
5		*will do*		
6		*will do*		
7		*will do*		

Y : Yes, will work **N : No, will not work** **K : KIV, Maybe will work**

POSSIBLE SOLUTION:

dibta group

4C- LOOKING FOR DIVISION SOLUTIONS:

Date: Prepared by :

SELECTED PROBLEM OBJECT

OBJECT PARTS:

BREAKING SYSMMETRY POSSIBILITIES:

PARTS ARRANGEMENT A:

Y : Yes, will work N : No, will not work K : KIV, Maybe will work

PARTS ARRANGEMENT B:

Y : Yes, will work N : No, will not work K : KIV, Maybe will work

PARTS ARRANGEMENT C:

Y : Yes, will work N : No, will not work K : KIV, Maybe will work

4D- LOOKING FOR BREAKING SYMMETRY SOLUTIONS:

Date: | Prepared by :

SELECTED PROBLEM OBJECT

OBJECT VARIABLES:

BREAKING SYSMMETRY POSSIBILITIES:

SYMMETRY IN SPACE:

Y : Yes, will work **N : No, will not work** **K : KIV, Maybe will work**

SYMMETRY IN TIME:

Y : Yes, will work **N : No, will not work** **K : KIV, Maybe will work**

SYMMETRY IN GROUP:

Y : Yes, will work **N : No, will not work** **K : KIV, Maybe will work**

4E- LOOKING FOR OBJECT REMOVAL SOLUTIONS:

Date: Prepared by :

SELECTED PROBLEM OBJECT

OBJECTS IDENTIFIED:

OBJECT REMOVAL POSSIBILITY:

#	The selected object	will be removed	by	Y/N/K
1		‘’		
2		‘’		
3		‘’		
4		‘’		
5		‘’		
6		‘’		
7		‘’		

Y : Yes, will work **N : No, will not work** **K : KIV, Maybe will work**

POSSIBLE SOLUTION:

THE PROPOSED SOLUTIONS:

Date:

Prepared by :

IMAGE OF THE SOLUTION

DIFFERENCE IN FORM:

DIFFERENCE IN FIT:

DIFFERENCE IN FUNCTION:

COST BENEFIT ANALYSIS

EXPT. COST OF SOLUTION	
EXPT. SAVING FROM SOLUTION	
EXPT. COST BENEFIT FROM SOLUTION	

IKV # 6 : REPORTING THE IMPACT OF THE INNOVATION

QUANTITATIVE IMPACT

KPI	KPI # 1	KPI # 2	KPI # 3
Before Project			
After Project			
Improve -ment			

Before	After	Saving (RM)

QUALITATIVE IMPACT

Before Project	
After Project	
Improvement Observed	

Reviewed and Approved by:

NAME : .....

POSITION : .....

DATE : .....

Project Coach: