SMAC is SMART

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SMAC IS SMART. ARE PEOPLE TOO?

-Jayaprakash Puttaswamy, 19th Oct 2012

WE WILL DISCUSS

- **CONTEXT** (5 mins)
  - BI Implementation
    - Challenges
    - End Realities

- **DETAILS** (5 mins)
  - Root Cause (for BI project failures)
  - SMAC Specifics

- **CONCLUSION** (6 mins)
  - Agile Approach
    - Adoption Strategies
    - Delivery Strategies

INTERPRET THE PICTURES!

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ga·mi·fi·ca·tion [gay-muh-fi-kay-shuhn]
integrating game dynamics into your site,
service, community, content or campaign,
in order to drive participation.
(see Bunchball)

Gamification

Behavioral
Economics

Game
Design

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Image Sources:
http://iwep.blogspot.in/2010/11/gamification-of-online-world.html
http://realmolo.blogspot.in/2012/09/gamification.html
http://myengaming.com/2012/04/27/4-tips-for-keeping-your-gamified-community-motivated/
http://shawnsantos.tsia.com/index.php/top-social-media-trends-gamification-to-visual-content/

BI Implementation : challenges

Key challenges

◎ Business users of DW/BI system often don't know what they can, or should expect from the system

◎ Organizations view a DW/BI system as an IT application rather than a joint venture between business stakeholders and IT developers

◎ Lack of expertise and experience in BI tools & technologies

◎ Inadequate staff with specialized skill set and multiple DW/BI skills

BI IMPLEMENTATION : END REALITIES

◎ Users get more education about BI towards the project end

◎ Business requirements get changed or more refined often or at the end

◎ Users' memories of early requirements become fuzzy

BI IMPLEMENTATION : END REALITIES

- ◎ Developers would have built based on the initial snapshot of user requirements

- ◎ There would no guarantee on quality of BI system behavior due to lack of testing automation

- ◎ Users would have set high expectations anticipating a new and useful tool

- ◎ The blame game starts between different vendors involved

PROJECT FAILURES : ROOT CAUSE

◎ Disconnect between user and developer expectations due to multiple vendors & stakeholders with diverse and disparate technical skills

Smac projects : relevance
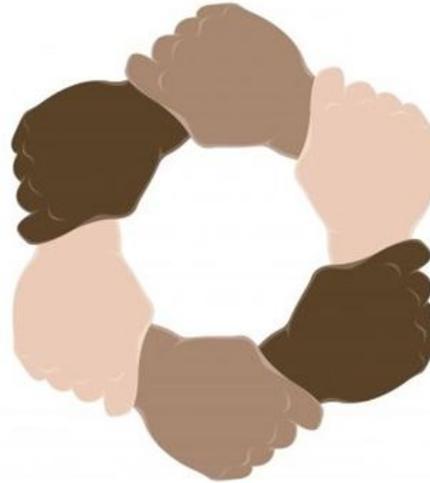

⊚ **Relevance to SMAC Implementations**

 ⊙ Plethora of variations in use cases and endpoints

 ⊙ Understanding and deriving strategies for integrating various SMAC technologies

 ⊙ Abstractions that bring together those different technologies

 ⊙ API development and integration challenges

 ⊙ Lack of collaboration between engineering teams, third party SMAC technology vendor teams and the customers

Image Source: http://economictimes.indiatimes.com/photo/14321323.cms

SOLUTION APPROACH : GO AGILE!

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◎ **What do we mean by "Go Agile"?**

- ⊙ Tools & technology selection using agile way
- ⊙ Agile engineering practices
- ⊙ Emergent design architecture

Image Source: http://www.freedigitalphotos.net/images/view_photog.php?photogid=659

SOLUTION APPROACH : GO AGILE!

- ◎ **What do we mean by "Go Agile"?**
  - ⊙ Achieving high degree of collaboration amongst all people concerned
  - ⊙ Influencing the mind-set change across management teams and engineering teams
  - ⊙ Defining new roles or changing existing roles
  - ⊙ Adoption strategies

Image Source: http://www.freedigitalphotos.net/images/Teamwork_g304-Symbol_Hands_p24799.html

AGILE APPROACH : ADOPTION STRATEGY

◎ **Agile BI adoption strategies**

- ⊙ Bottom-up approach
- ⊙ Top-down approach
- ⊙ Organizational alignment
- ⊙ Agile education and training initiatives
- ⊙ Enabling external coaching
- ⊙ Introducing change agents

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Image Source: http://www.freedigitalphotos.net/

AGILE APPROACH : DELIVERY STRATEGY

◎ **Agile BI delivery strategies**

- ◉ Multiple levels of planning
  - ○ Visioning and roadmap
  - ○ Release planning
  - ○ Iteration planning
  - ○ Daily planning

- ◉ Use of agile engineering practices
  - ○ Emergent design approach
  - ○ TDD/BDD
  - ○ Continuous Integration & Version Control of BI systems
  - ○ Agile Build strategy
  - ○ Test Automation strategies

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Image Source: http://lucille-ossai.blogspot.in/2012/03/communications-strategy-paving-way-to.html

About me

Jayaprakash (often called **JP**) is an entrepreneur & consultant with expertise on **BI Consulting** and **Agile Strategies**

- ◎ Co-founder and director at Aritha Consulting Services Pvt. Ltd.
- ◎ Agile Consultant, Coach and Trainer
- ◎ Practicing agile from past 11 yrs (RUP, XP, Scrum, Lean & Kanban)
- ◎ Trained & coached over 250 professionals across 40 agile teams
- ◎ Driven org-wide agile transformation for large, global enterprises
- ◎ + Strategic mindset
- ◎ + Servant leadership

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Food for thought:
What it takes to implement Agile BI?

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SUCCESSFUL BI IMPLEMENTATION REQUIRES US TO "BE AGILE".