Designs on E-Learning International Conference

Innovating the collaborative future of global fashion business

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This project explores the future of fashion business education

This presentation is in three parts:

- What triggered the research
- How things worked out
- How we did it
Chaos of a redesign

New conceptual model
Synchronised Apparel Product Development Cycle

PLM Scenario

Line Planning
- Year (N-1) Business Results
- Statistics from ERP (revenue segmentation, store performances...)
- Development of collection structure for Year N
- Validation of styles to be returned based on collection structure defined
- Definition of assortment blocks (a given style will hit the store)
- Receive demand from MC
- Receive technical feedback from QC

Design
- Trend Search - ideas for new theme/fabrics/styles
- Receive info on approx number of styles to develop per product line
- Fabric Design
- Develop StoryBoards
- Send RFQ to shortlisted suppliers
- Send digital print of fabrics to 3 shortlisted suppliers
- Size Spec, POM, Table, Label, Packaging...
- Based on input from suppliers, validate in MC

Product Devt
- Receive demand in MC (to-do list)
- For validated styles, show development of technical specifications
- Validate in MC
- Designers develop the style in detail (color/fabric/accessories)
- Validate in MC
- Valued fabric designs are printed out on Sapphire Digital Printers
- Validate in MC
- Receive notification in MC
- Send digitally printed fabric to 3 shortlisted suppliers

Sourcing
- Receive demand in MC (to-do list)
- Launch RFQ - using basic spec package, and requesting price based on time delay, quality, conditions of payment and transportation
- Shortlisted vendors will be given access to product spec, including pattern files
- Validate in MC
- Based on input from suppliers, validate in MC
- Valued fabric designs are printed out on Sapphire Digital Printers
- Validate in MC
- Receive notification in MC

Remote Manufacturer
- Vendor directly access RFQ & Spec Pack via web. Immediate response from Vendors on price, time...
- Receives a MC to-do list in his PDM
- Receives notification in MC
- Go ahead for production
- Production Run

Fabric Supplier Quality Control
- Receives RFQ for Fabric Suppliers
- Response to RFQ
- Iterations with QC for validation
- The Supplier responds with price
- The Supplier responds with production delay, and other metrics immediately, and in a short delay, responds to the Spec Sheet with a 3DVS file
- Receives validation in MC for go through to production
- Receives a list of slightly modified patterns.

Proximty Supplier
- Via Line Planning, the decision is available to all concerned in Design dept.
- Via Master Calendar, a to-do list is initiated.
- The Supplier directly accesses the Spec Sheet via Web.
- The Supplier responds with price
- The Supplier responds with production delay, and other metrics immediately, and in a short delay, responds to the Spec Sheet with a 3DVS file
- Receives validation in MC for go through to production
- Receives a list of slightly modified patterns.

PLM Scenario

- Marketing/Design validation of virtual prototype
- Gain real-time view of collection advancement
- Show tracking of data on styles adopted versus dropped, other LP metrics...
- Surprise change in trend, need to immediately create a variant for collection in store
Walltexx

WALLTEXX Mission Statement

WALLTEXX's mission is to serve as a non-profit organization working to fulfill hospitals need to create a safe and comfortable environment for children within their care.

WALLTEXX aims to improve children's experiences within a hospital environment, whilst reducing their anxiety.

Our Team

Earth Kids
How Does it Work?

Charm Activated

Call Answered
15 Sec

Calls Next of kin

Next of kin deals with the situation

Police are alerted through our company's automated system.

Call not Answered

Calls Next of kin

Call not Answered

Call not Answered

Prototype

3-D Model

Bracelet Attachment

Tracking Device and Bluetooth

Activation T-bar

Speaker and Audio Circuit

Silver Pendant Design

The Collection

Raise the Alarm

Customer Profile

Students

Females

16-45

Work/College/University Commuters

City Commuters

Sex attack at station
Software used
The learning design

12 weeks, (2 x 2 hour taught sessions per week plus self-directed (x2 recommended)

Pre-loaded Wiki
PLM visual as overview
Belbin questionnaire
Tuckmann Model
Previous projects (depth)
Role profiles (more than members)

Lectures topical content
Lecture on team effectiveness
External speakers - opportunities - real life perspective
Proposal form for submission week 5

Pre-Preparation / Team Formation
Prepare
 Bring info on trends & product shows to share

Team
 Meet . Bring Belbin self perception
 Contract/evaluation of peers. Communication

Allocate Roles

1

Confirm product for development

Prototype

Formalise formative feedback to prevent ‘drift’

Presentations to panel

Group mark allocation

2

Reflection
Team de-brief

Personal reflection log include evidence if petitioning against a group mark

3

Forming team task / icebreaker
Example of a team contract
Peer review guide
Facebook group or Prezi collaborate
Tutor available end of every session. 30 mins “team time” week 1-5
Common problems encountered
IT Manager consultancy session
Other specialist sessions:
- Finance
- Product performance

Constructed using Oliver et al (2007) temporal sequence framework for role-based learning designs
Key Aspects

1. Planning and preparation
2. Team project
3. Reflection and evaluation
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1. Planning and preparation
2. Team project
3. Reflection and evaluation

Resources

Tasks

Support

Pre-loaded wiki
1. Planning and preparation

2. Team project

3. Reflection and evaluation
Key Aspects

- Resources
- Tasks
- Support

1. Planning and preparation
2. Team project
3. Reflection and evaluation
Use of external consultants

1. IT Managers meet with a consultant
2. Overview of main providers PLM range of technologies in apparel/soft products.
3. Students research cloud technologies as alternatives and then disseminate relevant information, leading their team from their position of ‘expert’
4. Lead their group to consider choices of social media for improving on and adapting on industry PLM software providers solutions.
Okayyy, so this is the one I want to use....it turns out i have the rubbish version of imovie so my editing isn't the best.

I used Google sketch up and cyber link power director software. Its not perfect but its alright for a first attempt at software i had no knowledge even existed!!!!!!!!!!!!

Keeping in touch through Facebook group messaging was convenient, yet I feel using the ‘wiki’ could have been a more professional way of exchanging ideas and thoughts as Facebook could often be distracting.

‘Keeping in touch through Facebook group messaging was convenient, yet I feel using the ‘wiki’ could have been a more professional way of exchanging ideas and thoughts as Facebook could often be distracting.’
Outcomes

Cloud Computing
everything and the kitchen sink

Outcomes – additional benefits

Future
Students as practitioners to local businesses
Thank you for your time and attention

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References
