

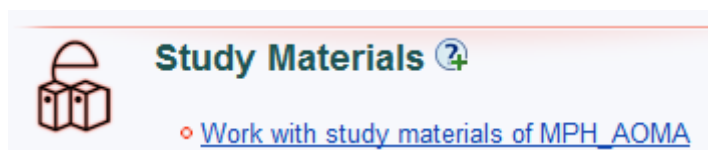
MPH_AOMA (Enterprise Resource Planning Systems) – questions autumn 2012

Created by : Ing. J.Skorkovský,CSc. KPH ESF MU BRNO, Czech Republic ; 1730@mail.muni.cz;
skorka@cmail.cz; jaromir.skorkovsky@navertica.co, tel : +420731 113517
 Date : 22.11.2012
 Version : I.

All questions could be studied with the help of related study materials handed over to students during lessons held in Brno (Autumn 2012)

Will be shortly reviewed (explained) during last lessons (5.12.2012). Important parts of below specified questions may be found in your Seminar works.

Resources:



and see below copied list fro Study

material.

ESF:MPH_AOMA Operations Management (Autumn 2012)			
In another term: Autumn 2012, Autumn 2011, Autumn 2010			
Operations			
Display preview: 1-1. Display the folder contents as gallery			
	File or folder	Uploaded/Created by	Uploaded/Created
	Study materials posted under the course ESF:MPH_AOMA /MPH_AOMA/		28. 8. 2012
	Learning Materials /um/		15. 9. 2011
	ROPOT (Revision, Opinion Poll and Testing) /odp/		15. 9. 2011
	Homework Vaults /ode/		15. 9. 2011
	Course-Related Instructions /op/		15. 9. 2011
	Applying principles MS Dynamics NAV 20090320 Applying_p...090320.ppt	Skorkovský, J.	5. 12. 2011
	Assignment of Operations Management seminar work 20121025 Assignment...121025.doc	Skorkovský, J.	26. 10. 2012
	Assignment of 2nd Operations Management Seminar Work for Erasmus Assignment...111109.doc	Skorkovský, J.	9. 11. 2011
	Basic budgets and analysis Basic_budgets_and_analysis_20090417.doc	Skorkovský, J.	23. 11. 2011
	Basic ERP architecture -introduction Basic_ERP_...110215.ppt	Skorkovský, J.	21. 9. 2011
	Basic ERP architecture 20121010 Basic_ERP_...121010.ppt	Skorkovský, J.	10. 10. 2012
	Basic ERP diagram (purchase-sales)- PMPINSA_PMPINS 20090305 Basic_ERP_...090305.ppt	Skorkovský, J.	5. 12. 2011
	Boston matrix and Product Life Cycle Boston_matrix_UK.ppt	Skorkovský, J.	16. 11. 2011
	Boston_matrix_UK 20121031 Boston_matrix_UK_20121031.ppt	Skorkovský, J.	31. 10. 2012
	BPM_I power point AOMA_01.ppt	Skorkovský, J.	31. 10. 2011
	CONWIP principles MPH AOMA CONWIP_principles_MPH_AOMA_20121114.pptx	Skorkovský, J.	yesterday
	Critical_Chain_ENG_I_20121024 Critical_Chain_ENG_I_20121024.ppt	Skorkovský, J.	24. 10. 2012
	Demonstration of processes in ERP AOMA_02.ppt	Skorkovský, J.	31. 10. 2011
	Drum_Buffer_Rope Theory Drum_Buffer_Rope_ENG_20080108.ppt	Skorkovský, J.	30. 11. 2011
	ERP project activities latest version (5 new slides from 1-5) ERP_projec...121003.ppt	Skorkovský, J.	3. 10. 2012
	ERP project activities_20121010 ERP_projec...201010.ppt	Skorkovský, J.	10. 10. 2012
	Guidance Store System Guidance_Store_System.pptx	Skorkovský, J.	21. 5. 2012
	Hurwitz and related decision making methods 20120816 Hurwitz_an...20816.pptx	Skorkovský, J.	7. 11. 2012
	Hurwitz_and_related_decision_making_methods_20121114.pptx	Skorkovský, J.	14. 11. 2012

	Installation of MS Dynamics NAV 5-Guide Installati...20208.pptx	Skorkovský, J.	3. 10. 2012	
	Introduction to MS Dynamics ERP NAV 5-part five Payment Introducti...101110.doc	Skorkovský, J.	16. 11. 2011	
	Introduction to MS Dynamics ERP NAV 5-part four version 2 Introducti...101103.doc	Skorkovský, J.	16. 11. 2011	
	Introduction to MS Dynamics ERP NAV 5-part one Introducti...121017.doc	Skorkovský, J.	17. 10. 2012	
	Introduction to MS Dynamics ERP NAV 5-part six Analysis Introducti...111116.doc	Skorkovský, J.	16. 11. 2011	
	Introduction to MS Dynamics ERP NAV 5-part three version 2 Introducti...101020.doc	Skorkovský, J.	12. 10. 2011	
	Introduction to MS Dynamics ERP NAV 5-part two Introducti...101013.doc	Skorkovský, J.	5. 10. 2011	
	Ishikawa fishbone diagram Ishikawa_fishbone_diagram_ENG_20111109.ppt	Skorkovský, J.	9. 11. 2011	
	Ishikawa_fishbone_diagram_ENG_20121031 Ishikawa_f...121031.ppt	Skorkovský, J.	31. 10. 2012	
	Kepner-Tregoe Methodology Kepner-Tregoe_Methodology_Miki_version_1_20120723.pptx	Skorkovský, J.	7. 11. 2012	
	Lot (batch) tracking Lot_batch_tracking_20120521.doc	Skorkovský, J.	21. 5. 2012	
	MS Dynamics NAV Nothing simpler II MS_Dynamic...21003.pptx	Skorkovský, J.	3. 10. 2012	
	Opravný soubor pro případ chyby 1935 vcredist_x86.exe	Skorkovský, J.	3. 10. 2012	
	Order processing diagram Order_processing.png	Skorkovský, J.	31. 10. 2011	
	Pains and benefits Pains_and_benefits_ESF-MU_ENG_version_I_20090223.ppt	Skorkovský, J.	23. 11. 2011	
	Pareto analysis-simplified 20100929 Pareto_ana...100929.ppt	Skorkovský, J.	9. 11. 2011	
	Project activities - general description ERP_projec...111004.ppt	Skorkovský, J.	5. 10. 2011	
	Questions MPH_AOMA 20111205 Questions_MPH_AOMA_20111205.doc	Skorkovský, J.	5. 12. 2011	
	SEMINAR WORK for MPH_AOMA Autumn 2012 Assignment...20913.docx	Skorkovský, J.	13. 9. 2012	
	Seminar work 2011 Assignment	Skorkovský, J.		
	Assignment of Operations_Management_seminar_work_20111012.doc	Skorkovský, J.	12. 10. 2011	
	TOC TOC_PMPINSA_English_Version_20121017.ppt	Skorkovský, J.	17. 10. 2012	
	Top ten benefits Toptenbenefits.pdf	Skorkovský, J.	31. 10. 2011	

Below listed material (are including in the copy of the student material above as well) have to be used for MS Dynamics NAV 5.0 studies. Mind you, that access to ERP system MS Dynamics NAV 5.0 ENG version is possible in all public computer rooms.

Introduction to MS Dynamics ERP NAV 5-part one

Introduction to MS Dynamics ERP NAV 5-part two

Introduction to MS Dynamics ERP NAV 5-part three selling : simple business case

Introduction to MS Dynamics ERP NAV 5-part four

Introduction to MS Dynamics ERP NAV 5-part five

Introduction to MS Dynamics ERP NAV 5-part six (Analysis)- was presented to students during lesson 21.11.12

Applying principles MS Dynamics NAV (which was uploaded to the study material 5.12.2011).

Basic ERP diagram (purchase-sales) – PWP (which was uploaded to the study material 5.12.2011).

Introduction PWP ERP Basic and very simplified principle - basic architecture. Without slides containing NAV screens->will be substituted by PWP presentation NAV Nothing Simpler – done 5 slides. Seminar work student's presentations 2nd part based on teacher's assignment.

Entities which were presented during lessons and which comprises basic elements for the questions.

ERP (NAV): relations between tables, What is the table, Short Hands (F3, F5, F6, Ctrl-F5, Shift-F5 and impacts of use of these key combination), working area (where you can see data)

Cards, Form types, Searching Engine, Purchase Order (further PO) a Sales Order (further SO) creation, Lists and a meaning of it, F3, F5, F6, F7, Ctrl-F5 and Shift-F5, headers and lines as the basic structure of NAV documents, Availability of Items, History of the Customer, Overdue warning

ERP (NAV): Selling and purchasing processes and its impacts to General ledger (G/L Entries) and Item ledger and Vendor and Customer ledger. How to access and what is the main role and use of these data records.

ERP (NAV): CRM->Pareto analysis, Profiles of the company and person, Segmentation, Purchasing and Selling->Applying principles. What is CRM.

ERP (NAV): Payment by use of Journals, Vendor and Customer applying, Transfer of an amount from one account to another, cancelling (reverse) transaction

ERP (NAV): analysis and its setup and use of it. Resource data for analysis, line and columns templates and basic principles of setup. Matrix structure of the analysis output. Export calculated data to Excel

Listing of Theory Resources – will be used below to show you mapping knowledge - resources (see copy of the Study material list above)

- A. ERP project activities
- B. Pains and benefits ESF-MU_ENG_version_I
- C. Critical Chain ENG
- D. TOC_PMPINSA_English_version 20121017
- E. Applying principles MS Dynamics NAV 20090320
- F1. Boston Matrix and Product Life Cycle (PLC)
- F2. Ishikawa fishbone diagram ENG
- G. Pareto Analysis Simplified
- H. CONWIP principles
- I. Drum Buffer Rope Theory
- J. Hurwitz criterion and related decision making methods
- K. Kepner-Tregoe Methodology

ERP Resources (practice)

- L. Demo version of MS Dynamics NAV 5.0 W1
- M. 1st Part of Helping material
- N. 2nd Part of Helping material
- O. 3th Part of Helping material –selling (simple business case)
- P. Basic ERP diagram Purchase Sales uploaded 05.12.2011
- Q. Basic ERP Architecture uploaded 20121010
- R. 4th part of Helping material
- S. 5th part of helping material (Exercise for payment of the open entries)
- T. 6th part of helping material (Analysis)
- U. MS Dynamics NAV Nothing Simpler uploaded 03.10.2012.

Theory Questions (resources A-K):

Structure of the theory question:

Number	Description :	Resource (slides if required)
1.	What is required by competitive ERP markets: A, B, F1 (innovation, road map, PLC,..)	
2.	Name some reason for change the old ERP system: A and B	
3.	Name key activities of the implementation project (project entries): A	
4.	What is a Gantt chart: A and C (your seminar works as well)	
5.	Evaluation of the project result. How we can know, that the Project was successful? : A, C and your seminar works	
6.	Which knowledge is necessary for project management? : A ,C	
7.	Simplified chart (diagram) of ERP functions (using feedback, entries, decisions,..) : A, P	
8.	Specify the basic concept of the Theory of Constraints : D, (C)	
9.	TOC metrics : D	
10.	Cost World and Throughput World : D	
12.	TOC five steps: D	
13.	Basic trees (Thinking process tools) – Current Reality Tree, Evaporating Cloud Tree and Future Reality Tree: D	
14.	Project and its budget: C	
15.	What is bad multitasking? : C	
16.	Critical path and Critical Chain: C	
17.	Use of project buffer (buffer management concept) : C	
18.	Pains and benefits (examples): B	
19.	Ishikawa fishbone diagram: F2	
21.	Boston matrix and Product Life Cycle (PLC) : F1	
22.	Pareto analysis: G	
23.	Use of Kepner-Tregoe methodology : K	
24.	Basic principles of Hurwitz Criterion : J	
25.	Basic principles of Drum-Buffer-Rope production philosophy : I	
26.	Basic principles of CONWIP production philosophy : H	

Practice Questions (resources L-U)

1. Modularity of the ERP systems
2. Main windows (forms) used in ERP and syntax for Debits and Credits (posted General Ledger Entries)
3. Users modification of the ERP windows (Hide and Show column, moving column)
4. Main tables (Item, Customer, Vendor and Account) and relations between tables (Look-Up)
5. Purchase of a chosen Item and impacts of F11 (posting) -> Item and Vendor entries, G/L entries
6. Sale of a chosen Item and impacts of F11 (posting) -> Item and Customer entries, G/L entries
7. Explain applying principles (General ledger and Item ledger)
8. Payment of the open entry (Customer or Vendor) by use of the Financial Journal
9. Contact Card and its profile and use of it (Marketing or CRM section)
10. Explain and show Inventory Location and bins, Show and explain Transfer Order
11. Show preset (lines and columns)Sales Analysis and explain the construction of the matrix and resource data