



PRAISE Meeting

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The PRAISE Book

Chapter on “Technical Aspects”

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Summary

- Chapter “Technical Aspects”

Technical Aspects	High level description of platform components, user interface and usability, technical representation of knowledge.	PdT/YHS/U HI	10
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- Goal of the chapter
- Contents



Goal

- High level description of platform components
 - Bodington VLE
 - Case Study Data Base
 - Ontology and Semantic Elaboration
- User interface and usability
- Technical representation of knowledge.



Chapter Outline

- Introduction
- Case Study Database Subsystem
 - Case Study Architecture
- Virtual Learning Environment Subsystem
 - Bodington System
- Semantic Indexing service subsystem
 - Concepts and words
 - Concepts and languages
 - Relations
 - Ontology
 - Ontology Development
 - H-DOSE



1. Introduction

- Recall of the technical requirements
- General architecture of the system
- 1 1/2 pages



2. Case Study Database Subsystem

- Description of the CSDB application
- Adapted from YHSV documentation
- Case study structure, allowed functionalities, language issues
- 2 pages



3. Virtual Learning Environment Subsystem

- Description of the Bodington VLE
- Adapted from Bodington on-line documentation
- Design principles, user interface, accessibility, administration
- 2 pages



4. Semantic Indexing service subsystem

- Describes the part that connects Case Studies and Didactical modules, based on “intelligent” search using Ontology
- Conceptual indexing: concepts vs words, multilingual approach, relations amongs concepts, ontologies
- Technical platform: H-DOSE design principles and features, use and integration in CABLE/PRAISE
- 6 pages