



Software Development, Consultancy & Professional IT Education

Contact Information

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Company Mission

The mission of IPT is to bring together motivated people, proven theoretical models, and state-of-the-art information and communication technologies to facilitate our partner's productivity, human resource qualification, and intellectual capital growth.

We Develop Customized Solutions for Our Clients

- Business modeling and use-case based system requirements specification using the industry standard Unified Modeling Language (UML™).
- Object-oriented and Agent-oriented software design and development using Unified Modeling Language.
- Scalable and reliable software products based on multi-tier and service oriented architectures (SOA), and open, platform-independent technologies like Java™¹ SE/EE 5/6, Open ESB, BPEL, RIA with Java FX.
- Online, face-to-face, and blended learning courses and tools, learning objects, learning support agents, and semantic web technologies.

Business Consulting Services

- UML™-based Software Development Process (Open UP) – practical realization in SME software companies.
- E-Learning - international standards, specifications and platforms (IEEE LTSC, IMS, ADL SCORM, etc.).
- Knowledge Management and Social Semantic Web – new generation of adaptive architectures and tools based on intelligent, multi-agent technologies, and Semantic Web standards: W3C Resource Description Framework & OWL Web Ontology Language.
- Distributed Web Services & Business Process Management - standards & specifications (SOAP, WSDL, UDDI, ebXML, BPMN, BPEL).

¹ Java™ is trademark of Sun Microsystems, Inc. All other trademarks are properties of appropriate owners.



IT Courses

- Professional IT courses:
 - Programming in Java™ in 2 parts: Basics of Java programming language & Graphical and Network Applications in Java
 - Java™ Web Programming: Servlets™, JSP™, JSF, JSTL, AJAX
 - Java™ Enterprise Technologies (Java™ EE 5) - EJB™, Web Services, JAXP, JNDI™, JTA™, JMS™, JAAS™, Persistence API
 - Web 2.0 & RIA Development with AJAX
 - Unified Modeling Language (UML™) - Graphical Notation and Applications
 - Software Development Process Using UML™
 - Architectural Design of Software Applications (Reusable Design Patterns)
 - XML Technologies & Applications
- Courses for web designers:
 - Web Design
 - Multimedia Technologies
- Courses for beginners
 - Ubuntu Linux for Users
 - Open Office Package

Reference Projects

IPT is experienced in the area of UML and Java-based software development, multi-agent systems, and semantic web ontologies.

Selection of projects:

E-ACADEMIA (Electronic Adaptive Courseware Authoring and Delivery using Multiple Intelligent Agents): develop a software architecture and system for collaborative and adaptive courseware delivery based on psychological and pedagogical principles (<http://e-acad.com/>).

Internet TV – VOD & UGC: development of Video-on-Demand and User-Generated-Content for web-based TV portal using state-of-the-art Java Portlet 2.0 & JavaScript Portlets.

The I-Track: next generation integrated and interactive vehicle tracking system using GPS, Google Maps, AJAX and Web 2.0 mashups.

HiControl: next generation integrated and interactive home automation platform based on wireless communication between multiple intelligent agents (devices).