



September 2008 EVENT

Event Theme

Presenters

Topic
Summaries

Estimating

Emmanuel Gonnet

Consultant, GEM-UP CONSULTING INC.

Carolyn Swadron

Senior Manager, Quality Assurance, CIBC

Estimating software-intensive projects

This presentation will introduce the main estimation techniques:

- Expert judgment (i.e. wideband Delphi)
- Analogous
- Task-based (i.e. WBS)
- Algorithmic (i.e. Function points)
- Model-based (i.e. COCOMO)

The presenter will give practical examples of each and explain the "COCOMO cone".

The presenter will then focus on modern (Rational) Unified Process methodology and demonstrate how an integrated methodology enables consistent estimation at all stages of the projects. This section will focus on "Use Case Point" techniques.

Throughout the presentation, Emmanuel will enable debates on advantages/drawbacks of the various techniques when applied to Greenfield projects, maintenance projects, web-based and embedded/algorithmic systems.

Estimating Your Way To Success

We all face increasing demands to deliver more within aggressive timeframes. Having accurate estimates is critical for determining the time and effort that you need to deliver a product, and the feasibility of a desired delivery date. Having a history of accurate estimates and actual results is excellent ammunition for justifying your needs and pushing back on unrealistic requests. It also provides insight into prime areas for process improvement. Unfortunately, few organizations take the time to establish procedures and baseline data needed to produce realistic and consistently correct estimates. And fewer still have a clear understanding of how to do this.

This presentation describes the process that CIBC's Internet Channel Delivery Quality Assurance (QA) team followed to establish estimating procedures and guidelines based on type, size and complexity of deliverables, and to collect the data necessary to develop increasingly accurate estimates. Currently Carolyn's QA team produces estimates that average within 4% of actual effort and 7% of actual duration. Although the estimating examples relate to QA process, the approach applies to any type of project / deliverable. In addition, the presentation will review how to use estimates and actual metrics to identify candidates for ongoing process improvement.

Biographies

Emmanuel started his career as a software developer for a global telecom group. Promoted to project management and presales, Emmanuel estimated multi-million payphone, public transit and multimedia projects.

Later in his career, Emmanuel directed software engineering companies and continued to learn about software estimation through bids on government or B2B contracts. Techniques used included expert judgment, component-based and function-point methods.

Lately, Emmanuel started-up GEM-UP Consulting and specializes in Unified Process methodologies. Through this practice, Emmanuel has developed more expertise in web development scenarios and use-case point techniques.

Carolyn Swadron is Senior Manager, Quality Assurance for CIBC's Internet Channel Delivery Group. She leads a team of 15 QA professionals responsible for certification of Online Banking applications. In addition to CIPS I.S.P. certification and an Honours BSc. in Applied Mathematics from University of Toronto, she has experience in quality assurance, process reengineering, project management, CMM, development support, methodologies and standards, and application development. Carolyn has worked in a variety of industries including finance, insurance, retail, healthcare, education and government. Her current focuses include People Change Management and process reengineering.

Date / Time

Tuesday, September 23, 2008 05:30 pm – 08:30 pm

Note: Light supper included prior to presentations.

Location

Auditorium, IBM Canada
3600 Steeles Avenue East
(northeast corner of Steeles & Pharmacy)
Markham, Ontario L3R 9Z7

Free Visitor parking available (follow signs)

The following public transportation is also available:

TTC
167 Pharmacy North
53 Steeles East
353 Steeles East
York Region
224B Esna Park
VIVA Green

Registration

<http://www.TorontoSPIN.com> \$20.00 at the door

Future Events

October 2, 2008 (Networking event)

Thanks to IBM Canada Ltd. for providing the location for this event.