Project Management

UVa Conference:
Advancing Improvement and Innovation
October 15, 2008
Virginia Evans, PMP
Agenda

- Background
- PM According to PMI
  - PMBOK Guide
  - Application to Projects
- PM at UVa
- PM Certifications
- Questions
Background

- Project Management Institute (PMI) founded in 1969
- Project Management Professional (PMP)—1984
- Other PMI certifications:
  - CAPM (Certified Associate in Project Mgmt.)
  - PMI-RMP (PMI Risk Management Professional)
  - PMI-SP (PMI Scheduling Professional)
  - PgMP (Program Management Professional)
- Project Failures and Growth of PMPs…
Background: IT Project Failures

From Study of 30,000 IT Projects:

<table>
<thead>
<tr>
<th></th>
<th>1994</th>
<th>2003</th>
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<tbody>
<tr>
<td>Project Time Overruns</td>
<td>222%</td>
<td>63%</td>
</tr>
<tr>
<td>(over original estimate)</td>
<td></td>
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<tr>
<td>Project Cost Overruns</td>
<td>189%</td>
<td>49%</td>
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<tr>
<td>Project Success Rate</td>
<td>16%</td>
<td>28%</td>
</tr>
<tr>
<td>(on time, on budget,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>within scope)</td>
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<tr>
<td>Failed Projects</td>
<td>31%</td>
<td>23%</td>
</tr>
</tbody>
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Source: Standish Group International – CHAOS Chronicles, 2001
Background: Growth in PMP Certification

<table>
<thead>
<tr>
<th>Year</th>
<th># PMPs</th>
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<tbody>
<tr>
<td>1984</td>
<td>10,000</td>
</tr>
<tr>
<td>1989</td>
<td>10,000</td>
</tr>
<tr>
<td>1998</td>
<td>5,000</td>
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<tr>
<td>2004</td>
<td>300,000</td>
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<td>2008</td>
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PM According to PMI

- Expertise
- Definitions
- PM Processes
- PM Knowledge Areas
- Application to Projects…
PM According to PMI
Expertise Needed on Project

PM According to PMI

■ Definitions:
  ● Project:
    “A project is a temporary endeavor undertaken to create a unique product, service, or result.”

  ● Project Management:
    “Project Management is the application of knowledge, skills, tools and techniques to project activities to meet project requirements.”
PM According to PMI

- Project Management Processes:
  - Initiation
  - Planning
  - Executing
  - Monitoring and Controlling
  - Closing
PM According to PMI

PM Knowledge Areas:

- Project Integration Management
- Project Scope Management
- Project Time Management
- Project Cost Management
- Project Quality Management
- Project Human Resources Management
- Project Communications Management
- Project Risk Management
- Project Procurement Management
PM According to PMI

- Application to real-life projects...
PM at UVa

- UVa Policy (vs. VITA oversight)
  - https://policy.itc.virginia.edu/policy/policydisplay?id=IRM-010
  - Policy includes Link to UVa Project Calculator and PM Guidelines:
    - http://www.itc.virginia.edu/policy/pm
PM Certifications

- PMI:
  - PMP is “Gold Standard”
- Commonwealth of Virginia:
  - PM Overview Training
  - Core Processes Test
  - Facilitating Processes Test
PM Certifications

- PMP Certification Eligibility Requirements:
  - Bachelor’s Degree:
    - 35 hours PM education
    - 3 years PM experience
    - 4,500 hours documented PM experience
  - High School Diploma:
    - 35 hours PM education
    - 5 years PM experience
    - 7,500 hours documented PM experience
PM Certifications

■ Obtaining PMP Credential:
  ● Application Process (detailed!)
  ● Multiple-choice Exam:
    ■ 4 hours; 200 questions
    ■ Pass/Fail (~82% is pass)
  ● Credential Maintenance:
    ■ Renew every 3 years
    ■ 60 hours continuing education to renew
Project Management

- Questions???

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