**Sidebar 9.4: Knowledge Map Template of “Internet of Things(IoT)”**

# KM Name: Internet of Things(IoT)

1. **KM Nickname: None**
2. **KM Domain/Subject/Topic Description:** Internet of Things(IoT**)**.
3. **EBTs/Goals:** Name the EBTs of the “**SPM**” and provide a short description of each EBT and organize your answer in table 9.4.1:

Table 9.4.1: EBTs of “**SPM**”

|  |  |
| --- | --- |
| EBTs/Goals | Description |
| Allocation | The process of parceling out a monetary budget , a technology budget, system requirements, software requirements, effort or any other quantity that can be subdivided and assigned to  elements of a process or a system |
| Utilization |  |
| Need | . |
| Management |  |
| Analysis |  |
| Tracking |  |
| Assessment |  |
|  |  |

1. **BOs/Properties:** Name the BOs of the “**SPM**” and provide a short description of each BO and organize your answer in table 9.4.2:

Table 9.4.2: BOs of “**SPM**”

|  |  |
| --- | --- |
| BOs/Capabilities | Description |
| Activity | An element of work performed during the course of a project. An activity normally has an expected duration, an expected  cost, and expected resource requirement. Activities can be subdivided into tasks. |
| Assumption | A condition accepted as true but which cannot be verified at the current time or which would be too expensive to verify at the current time |
| Authority | The power to make and implement decisions that must be made  to fulfill one ’ s responsibilities . |

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| --- | --- |
| Baseline | A work product that has satisfied its predetermined acceptance criteria and has been placed under version control. Baselines provide the basis for future work during software development and maintenance. Synonymous with Baselined work product . |
| Constraint | A limitation imposed by external agents on some or all of the operational domain, operational requirements, software requirements, project scope, monetary budget, technology budget, resources, completion date , and platform technology . |
| Contract | A statement of understanding between two or more parties. A contract may be informal or legally binding (i.e., formal). See  also Acquirer, Memo of understanding , and Statement of work |
| Event | Crisis -- An event that halts or seriously impedes progress . |
| Critical path | The process of determining the set of (one or more) longest  paths through a schedule network . |
| Defect | A fl aw in a work product that renders it incorrect, incomplete,  and/or inconsistent. See also Error and Failure . |
| Risk |  |
| Scope |  |
| Resource |  |
| Project |  |
| Milestone |  |
| Task |  |
| Party |  |
|  |  |

1. **Knowledge Map Non-Functional Requirements (Quality Factors).** Organize your answer in table 9.4.3:

Table 9.4.3: “**SPM**” Quality Factors

|  |  |
| --- | --- |
| Quality Factors | Description |
|  |  |
|  |  |

1. **Knowledge Map (Core Knowledge):** Map each EBT to its BOs of the “**SPM**” and organize your answer in table 9.4.4:

Table 9.4.4: Knowledge Map of “**SPM**”

|  |  |
| --- | --- |
| EBTs | BOs |
| Tracking | Party, Actor, Criteria, mechanism, Data, Entity, Media |
| Assessment | Party, Actor, Criteria, mechanism, Outcome, Log, Reason, Type, Entity, Media |

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References:

* 1. Stellman, Andrew; Greene, Jennifer (2005). *Applied Software Project Management*. O'Reilly Media. ISBN 978-0-596-00948-9.
  2. <http://en.wikipedia.org/wiki/Software_project_management>
  3. <http://www.dovico.com/glossary_project_management.aspx>