**Process Models Case Study**

**RAD Model:**

Link

https://kuscholarworks.ku.edu/bitstream/handle/1808/9664/Shetty%2c%20Kanaka%20EMGT%20Field%20Project.pdf?sequence=1&isAllowed=y

Case Study (Summary)

There is a need for greater productivity and reduced complexity in the area of web application software development and implementation. This is the underlying theme behind “Rapid Application Development.”

The case study tells about the development of web presence of a small business known as “Beverly Flowers”. Despite the fact that this company scales as a small business but as to compete in the market, provide home service and et cetera urges them to develop their online application.

Since, the business is small and does not have handsome investment, and needs to have their website done as soon as possible. The Software developers decided to apply the RAD model, so as to satisfy customers with minimum budget, team, investment and quick output.

Justification

According to the application needs, (RAD) model fits the best as these all needs are the key features of this model, which are:

* No time for free planning
* Quick development
* Low budget development
* Less Resources Usage
* Client Satisfaction
* Smart Investment
* Et cetera

**Unified Process Model:**

Link

<https://www.ibm.com/developerworks/rational/library/4474.html>

Case Study (Summary)

IBM was developing a software for FORD. This development included huge collaboration of teams in IBM. Due to multiple teams collaborating, managing project deliverables across the teams became a task to handle. As each team has its own set of deliverables related to the project.

There were also issues of building a team, and assigning them the right job relative to their skill set. Also, project scalability and its risks were another ignored lemmas.

Justification

As there were issues with customization, therefore using RUP became the best suitable model as it outstanding customization to the project with no specific time limit to be defined.

Moreover, as RUP provides clear definitions of project modules, it became suitable to consider it. The RUP model is based on a unified model that is understood by all the I.T stakeholders. Therefore, it helped IBM to make development collaborative as FORD management’s interference was also the issue to resolve. Eventually, using this model every developer and employee got its job and deliverables well defined.

**Agile Model:**

Link

https://www.scaledagileframework.com/cisco-case-study/

Case Study (Summary)

Cisco IT were facing issue that is periodic major releases as well as challenges in subscription billing platform and WebEx app releases for Samsung tables. Low scale agile model was used in the company in one team or another but, mainly model was waterfall. So, to change the development style they adopted agile framework to cope up with the issues. Using agile framework they got benefits explained in justification.

Justification

As agile framework can be scaled to higher organizations as well, so they used the version scaled agile framework, to have fast releases of soft wares. As agile caters continuous delivery, their delivery issue got resolved. Speeding up releases was also the possible dimension that resolved under agile as agile framework is best for speedy development. Eventually, their Increase productivity issue got fixed and also improved the quality as it is agile that has good interaction of testing and development.

**V-Model:**

Link

https://link.springer.com/chapter/10.1007/978-3-319-58610-6\_3

Case Study (Summary)

In this case study automotive software development is done using V-model as the automotive software development is basically developed on the basis of Vehicle\_Supplier+Client terms.

Justification

The V-model is used and justified as:

* The automotive software need parallel verification and validation to satisfy clients through their feedback and help developers to nullify any mistake

**Spiral Model:**

Link

Case Study (Summary)

Justification

**Prototyping Model:**

Link

Case Study (Summary)

Justification

**Incremental Model:**

Link

Case Study (Summary)

Justification

**Waterfall Model:**

Link

Case Study (Summary)

Justification