**What is Kanban Process?**

The prerequisite to understand Kanban is to first understand what is JIT. It is basically a manufacturing philosophy used for applying right quality in right time and place when needed. When Kanban is used with pull system, we say that JIT is being implemented. Kanban Methodology is a work scheduling system that maximizes the productivity of a team by reducing idle time. Idle time can occur within any process, workflow or procedure can usually be traced back to opportunities within the process itself. It focuses on the reduction of waste in all informs over-production, unnecessary motion, defects, over processing & waiting.

**Components Of Kanban:**

Vital component of Kanban is Kanban Card. It is used to move materials from an outside supplier to the production facility. The card indicates the signal that there is a depletion of product, parts etc. When received the Kanban will faster the replenishment of product.

Another main component is *3 bin systems* for the supplied parts, where there is no in-house manufacturing. It contains removable card containing the product details and other relevant information. The main benefit for using the 3-bin system is that the process will never run out of product and could be describe as a closed loop in that it provides the exact amount required so there will never be an oversupply.

**Kanban With Agile Methodology:**

Kanban and iterative processes are used together as complementary processes which are used together for good performance also Kanban is used when there is a large development cycle of a software. All the 12 principles of Agile methodology are being followed by Kanban process therefore we can say that it is an example of Agile methodology being an incremental methodology and not an iterative process.

**Implementation Of Kanban Through Real Life Example:**

Let’s think being a project manager who’s managing multiple projects who has to keep track of every step and progress of the project. Planning is the most vital part of project management, as if the whole project can meet failure if planning is not done in the initial stage. It is important for not only the project manager to monitor the whole project but the whole team has to monitor it in every stage to keep a know how of what’s going on in every stage. For this concern a Kanban board is used for best monitoring purpose. It also ensures that process policies are being followed and as in line with project.

**If We Conclude:** Kanban methodology helps the software development team to detect problems in system workflow quiet early in the process which helps to knock out problems involving waste and are fixed at once before continuing the process. Key features of Kanban are:

* Eeffective tool in improving the productivity
* Optimizes the process of software development
* Reduces wastage, provides continuous feedback delivery to customer and increases efficiency.