**Resource levelling**

Resource levelling is a project management technique used to examine unbalanced use of resources (usually people or equipment) over time, and for resolving over-allocations or conflicts.

**Two Main approaches of Resource Levelling:**

**Time-constrained approach –** In this case importance will be given on completing the project within a specified (imposed) date

**Resource-constrained approach –** In this approach, the project must be completed with limited available resources even if this means extending the project duration. .

**Two ways of levelling :**

* By delaying a task until the assigned resource has time to work on it.
* By splitting a task so that part of a task is done when planned and the rest of it is done later when the assigned resource has time Resource levelling

Resource allocation is used to assign the available resources in an economic way. It is the scheduling of activities and the resources required by those activities while taking into consideration both the resource availability and the project time.

**Steps to make resource decisions in a rational way:**

* Identify/design alternatives Identify and structure the organization’s goals and objectives
* Prioritize the objectives and sub-objectives
* Measure each alternative’s contribution to each of the lowest level sub-objectives
* Find the best combination of alternatives, subject to environmental and organizational constraint