

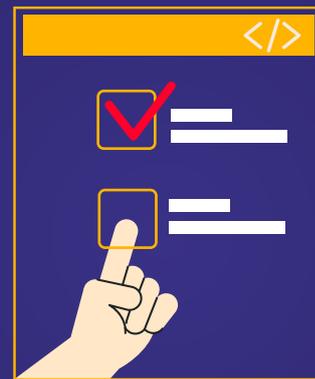
AI-Driven Resource Management Tool's Capabilities Checklist



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 PREDICTIVE CAPABILITIES
 RISK MANAGEMENT

AI



 FLEXIBLE PLANNING
 BALANCING WORKLOAD

Find a perfect solution for globally distributed teams
and a multi-project environment

This checklist will help you understand how artificial intelligence makes resource and project management software more effective. And if you're looking for an AI-driven resource management solution and have an eye on some, just check their capabilities against this list and find out if they support advanced RM functionalities. Use it to find a perfect AI-driven tool for your business.

Flexible planning and replanning

Modern AI-driven software should be capable of prioritizing tasks across all projects. This means that all projects should be considered as an integral whole and priorities should be built taking into account all relations and dependencies between them. When something unpredicted happens to a project, the AI-driven tool automatically recalculates the priorities in real time.

Smart resource allocation

A resource or project manager can't analyze and keep in mind all the availability and capacity data as well as the skills of all resources. Artificial intelligence plays a crucial role here as it can collect and process all this information. Modern AI-driven tools suggest the best resource allocation alternatives for any project case with regard to all current project details.

Balancing employees' workload

To prevent project team members from being overloaded or idle, their workload should be properly managed throughout the whole project life cycle. AI ensures flexibility in both resource planning and allocation. It processes all project data in real time with regard to historical information and makes resource workload and demand predictions, so a project/resource manager can keep project resources as productive as possible.

Predictive capabilities

The human brain can't process extra-large datasets and make reliable predictions. Forecasting opportunities is the most valuable thing artificial intelligence is capable of in project management. So what can AI-driven tools predict?

Demand levels

Bottlenecks

By analyzing past and current data, predictive analytics makes assumptions about the number of required resources and detects bottlenecks before they arise in the real environment.

Predictive-based risk management

Based on the predictions made, an AI-driven tool suggests variants of mitigating risks and resolving bottlenecks to ensure the projects' success.

Virtual assistants

Virtual assistants are a means of delivering information to a user, which is gathered and analyzed with the help of machine learning and predictive analytics. They can warn about possible bottlenecks, overload or idleness of employees, mistakes in logging working hours, availability changes, and many more.

Proactive assistants

These assistants warn about threats or mistakes, e.g. when someone hasn't updated their working hours/tasks or has taken a task regardless of the suggested priority list.

Reactive assistants

They can answer questions that users may ask, just like Siri in Apple devices. For example, "What's the most important task?", "What task should I take next?", "May I have a day off without any harm to the project flow?", etc.