

## Manual Progress Tracking

viAct automate construction monitoring



Cumbersome & Time-consuming



Requires More Manpower



Inaccurate



Scope for Human Prejudices & Biasness



## Automated Progress Tracking



Accurate & Error-free



Saves Time & Labour



Instant Site Visibility to all the Stakeholders



Better Transparency in Workflow



Visual Documentation of Jobsite Progress



According to a study conducted by Project Management Institute (PMI), [44%](#) of projects led by high-performing organizations are facilitated using predictive analytics. From providing meaningful suggestions to detecting work patterns in a team, the significance of artificial intelligence (AI) in project management grows every day. AI is now an inevitable virtual partner for a project manager.

With the integration of AI, the need for human intervention in routine project management tasks has become minimal. AI empowers project managers by helping them drive this [digital transformation](#) forward.

Numerous AI-based project management tools have been developed, in recent years, to ensure that project managers are not overburdened by their responsibilities. Keep reading to learn which AI-powered project management tools you can leverage in 2021.

**You may also like:** [Project Management Certification Salary: What to Expect in 2021?](#)

## 7 Project Management Processes to Augment With AI

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# 7 Project Management Processes to Augment With AI

The genesis of the field of project management can be traced to hardships that arose from having to manage multiple complex projects and people. Project management is no easy feat; managers tackle diverse projects with diverse needs while sustaining environments for people to work in unison. Ultimately, the **project goals** should align with the objectives of the business.

A process as complex as project management can always use more ease and efficiency. This is why AI is now an integral part of the domain. Here are 5 project management processes you can augment with AI:

## 1) Predictive Analytics



**Pull**

Extract the data from where it lives.



**Prepare**

Clean, refine, and prepare it.



**Pick**

Identify what to predict.



**Predict**

Create the prediction.



**Plan**

Develop a plan of action.

Project management, without a doubt, deals with an immense amount of data. From customer information to project details, project managers have to wade through a sea of data that can be mined for information. To convert this raw data into valuable business insights, they leverage artificial intelligence. Not only does this help develop cognitive solutions for algorithms, but it also helps project teams pay attention to customer value creation.

## **2) Understanding the Project**

According to a study conducted by [Geneca](#), 31% of organizations reported that the primary reason for their project failure was the lack of a collective vision. It is imperative for a project team to understand the ins and outs of their projects and be on the same page about project requirements. AI can be incredibly supportive to project managers in this context. Machines can never have cognitive bias, nor will they derail the project's growth trajectory by over-focusing on a certain area. That is, AI will not make prejudiced predictions. Project managers can rely on project insights provided by AI.

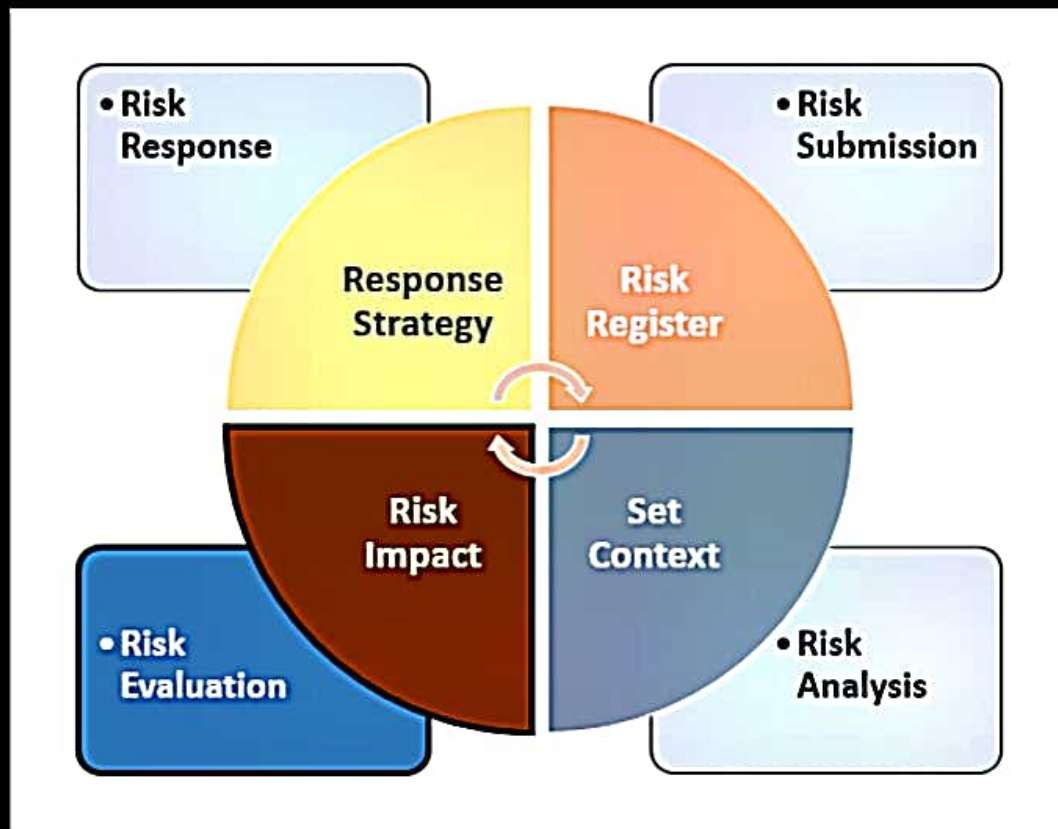
## **3) Prediction and Mitigation of Risks**

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### 3) Prediction and Mitigation of Risks

Another study shows that 70% of projects are bound to fail. Projects fail due to a wide variety of reasons: scope creep, dearth of resources, and lack of support from stakeholders are some common culprits.



Source: [Zilicus](#)

By using the best project management tools available in the market, project managers can detect potential risks and address them prudently. AI gives them enhanced proactive control over projects, including better administration and productivity. As a result, projects attain enhanced visibility across various spectrums. This allows them to mitigate minor risks before they grow into greater risks.

#### **4) Automation of Tasks**

When provided with enough data, AI can automate repetitive tasks that usually discourage humans. Mundane, hefty tasks do not tire machines! Though the actual scope of such tasks could vary depending on the nature of the project, AI can reduce the need for human intervention in carrying out routine tasks. This certainly enables **project managers** to work on more complex, yet important tasks.

#### **5) Interpretation of Project Management Data**

Artificial intelligence software is capable of handling huge chunks of data; by scanning through data from various sources, it can provide actionable insights and meaningful information. Not only does AI take over the time-consuming process of collating huge amounts of data, but it also detects patterns that are invisible to human eyes. AI software is adept at identifying connections in data. The data is then structured, inconsistencies are identified, and connections are established. With AI, project managers can extract valuable information from the largest data sets.

## 6) Prioritization of Tasks

	Urgent	Not urgent
Important	<b>DO</b> Important and urgent	<b>SCHEDULE</b> Important and not urgent
Not Important	<b>DELEGATE</b> Not important and not urgent	<b>ELIMINATE</b> Not important and not urgent

Source: [Kissflow](#)

When working in large teams, it may be slightly unrealistic to expect things to go well all the time, especially when it comes to prioritizing tasks. With artificial intelligence, project managers receive ample assistance in helping teams understand their priorities. By providing appropriate data, the AI system can help managers make decisions about which tasks need more focus.



## 7) Resource Allocation

Project management is a complex process that involves multiple departments and domains. Effective resource allocation is a central factor that influences the growth trajectory of projects. But, non-biased checks on the lack of resources are not always achievable. This is where AI steps in. AI performs non-prejudiced inspections, based on rules laid out by project managers, to deduce the shortage of resources. Based on the inferences made from this process, project managers can allocate resources accurately.

**You may also like:** [PMP Certification: A Step-by-step Guide for Beginners in 2021](#)

## 8 AI-powered Project Management Tools You Can Leverage in 2021

The trick to [becoming a better project manager](#) is by streamlining workflow, facilitating the delivery of reliable outcomes, and, of course, coaching team members to maximize their productivity. But, during the process, project managers end up tending to an array of administrative tasks that rob them of their time.



## Leverage in 2021

The trick to becoming a better project manager is by streamlining workflow, facilitating the delivery of reliable outcomes, and, of course, coaching team members to maximize their productivity. But, during the process, project managers end up tending to an array of administrative tasks that rob them of their time.

Thanks to artificial intelligence, the cognitive solutions provided by AI systems help project managers gain more actionable insights into risk mitigation, stakeholder engagement, and management of project constraints. These systems also automate mundane tasks, thereby saving time and money.

Here are the top project management tools that you can leverage in 2021:

### **1) ProofHub**

ProofHub is one of the most efficient agile project management tools that help project managers with project management, resource management, collaboration, and task management. It is an exceptional cloud-based, multi-purpose tool that comes with all the features a project team needs to deliver projects within time constraints.