

**Automating Microsoft Project Power of Macros**

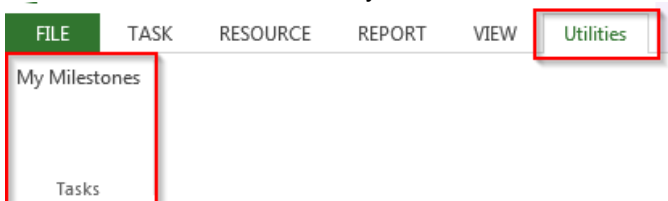
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**Part 1**

1. Create a plan as per the details provided below

	i	Task Mode	Task Name	Duration	Predecessors
1			Analysis/Software Requirements	10.5 days	
2			Conduct needs analysis	5 days	
3			Draft preliminary software specifications	3 days	2
4			Develop preliminary budget	2 days	3
5			Review software specifications/budget with team	4 hrs	4
6			Incorporate feedback on software specifications	1 day	2
7			Develop delivery timeline	1 day	6
8			Obtain approvals to proceed (concept, timeline, budget)	4 hrs	7
9			Secure required resources	1 day	8
10			Analysis complete	0 days	9

- Record a macro named "My\_Milestones" to highlight all the milestones of the current plan
- Add a custom ribbon with a "My Milestones" button



**Part 2 – Sub-routines**

- Update the notes of few tasks. Create a sub-routine named "Clear Notes" that erases the notes of all the tasks
- Create a sub-routine to update the duration of all tasks with 5% buffer time and round the duration. For example, 3.7 days should be rounded to 4 days
- Create a sub-routine named "Ready" that checks whether the task is ready to start. This means they are ready to start only if all the immediate predecessors are at least 80% complete or that they have no predecessors

**Part 3 – Event Handling**

- Write event handlers for all the project events to display alerts to know the order in which they are executed
- Write an event handler that adds the current date to the project Comments field whenever the project is opened.
- Write an event handler that cancel's any edits done to the baseline start, baseline finish, baseline work, baseline cost, baseline duration fields to be changed