

# Project Planning & Control

## *Lesson 7*

### *Project Monitoring & Control –*

### *Typical Project Time Monitoring Process, Levels and Frequency of updates*

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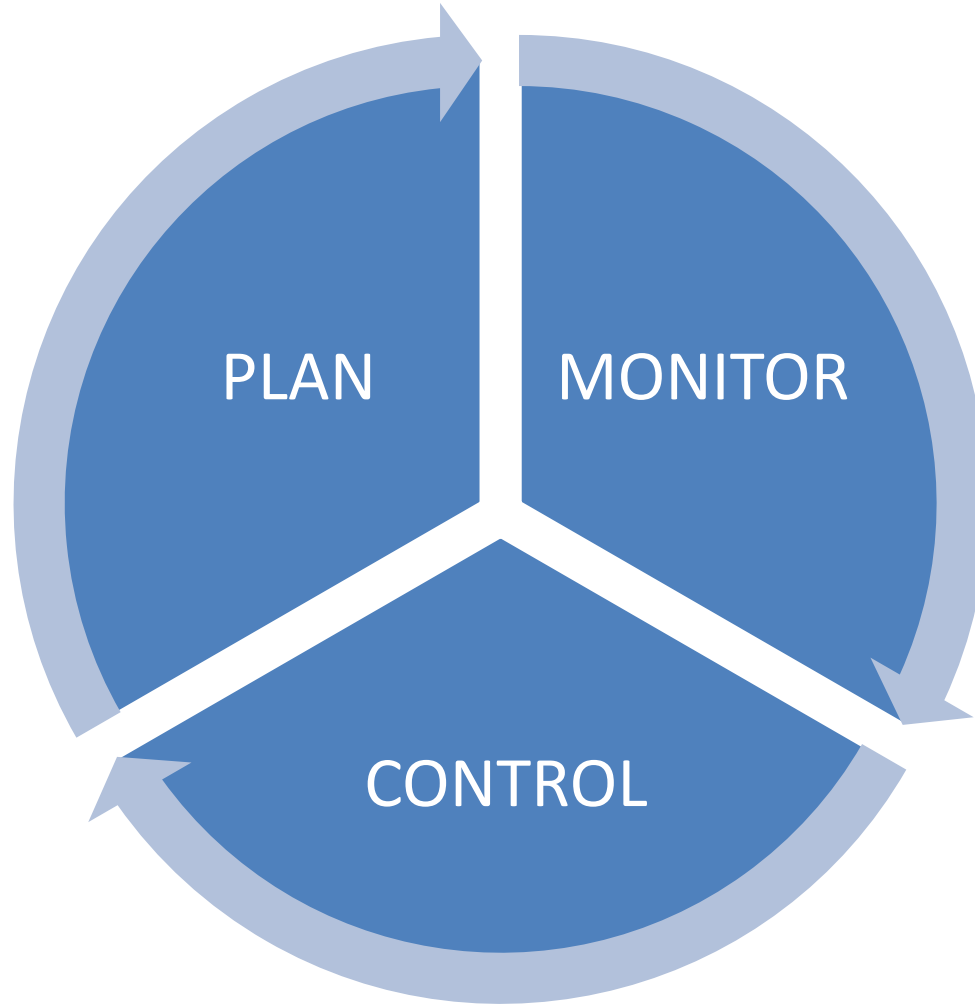
*I.I.T. Madras*



# LECTURE OUTLINE

1. Need for Project Monitoring & Control
2. Monitoring and Control Processes (BIS 15883)
3. Schedule Update Frequency & Levels
4. Work Progress Measurement – Determining % Complete at Activity Level
5. Examples

# Plan-Monitor-Control Cycle



***"In preparing for battle I have always found that plans are useless,  
but planning is indispensable."***

***-Dwight D. Eisenhower***

# Trip Example

**Objective** travel from  
IIT Madras to  
Chennai Central Station  
Within 40 minutes

**Plan** travel:

Mode- Auto/Taxi/Car

Route: Google map- shown  
Planned Duration 31 min.

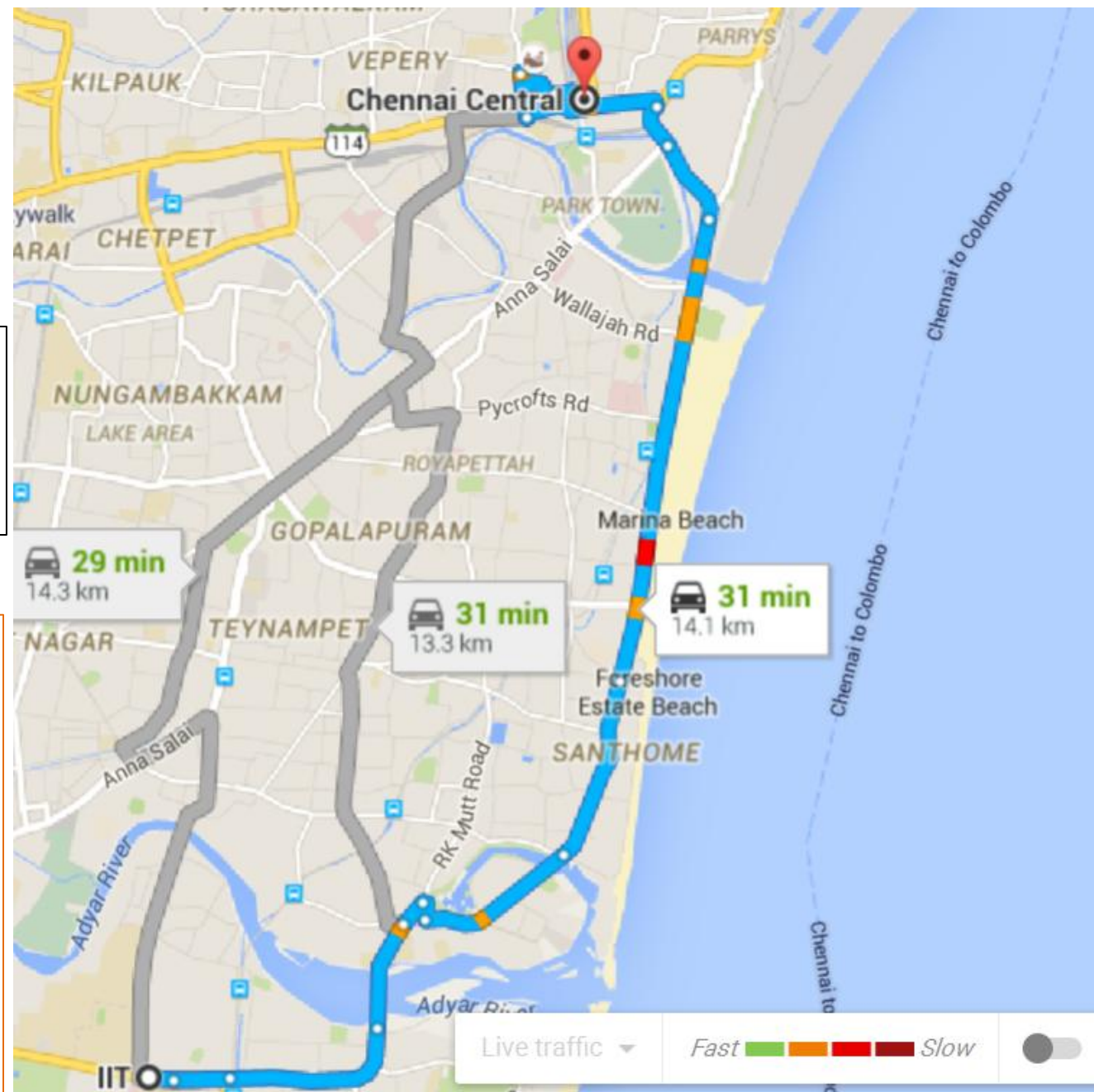
**TRAVEL STARTS.....**

Will you monitor progress ?  
Why ? How ? When ?

What are potential  
disruptions to the plan ?

What is your control  
strategy ?

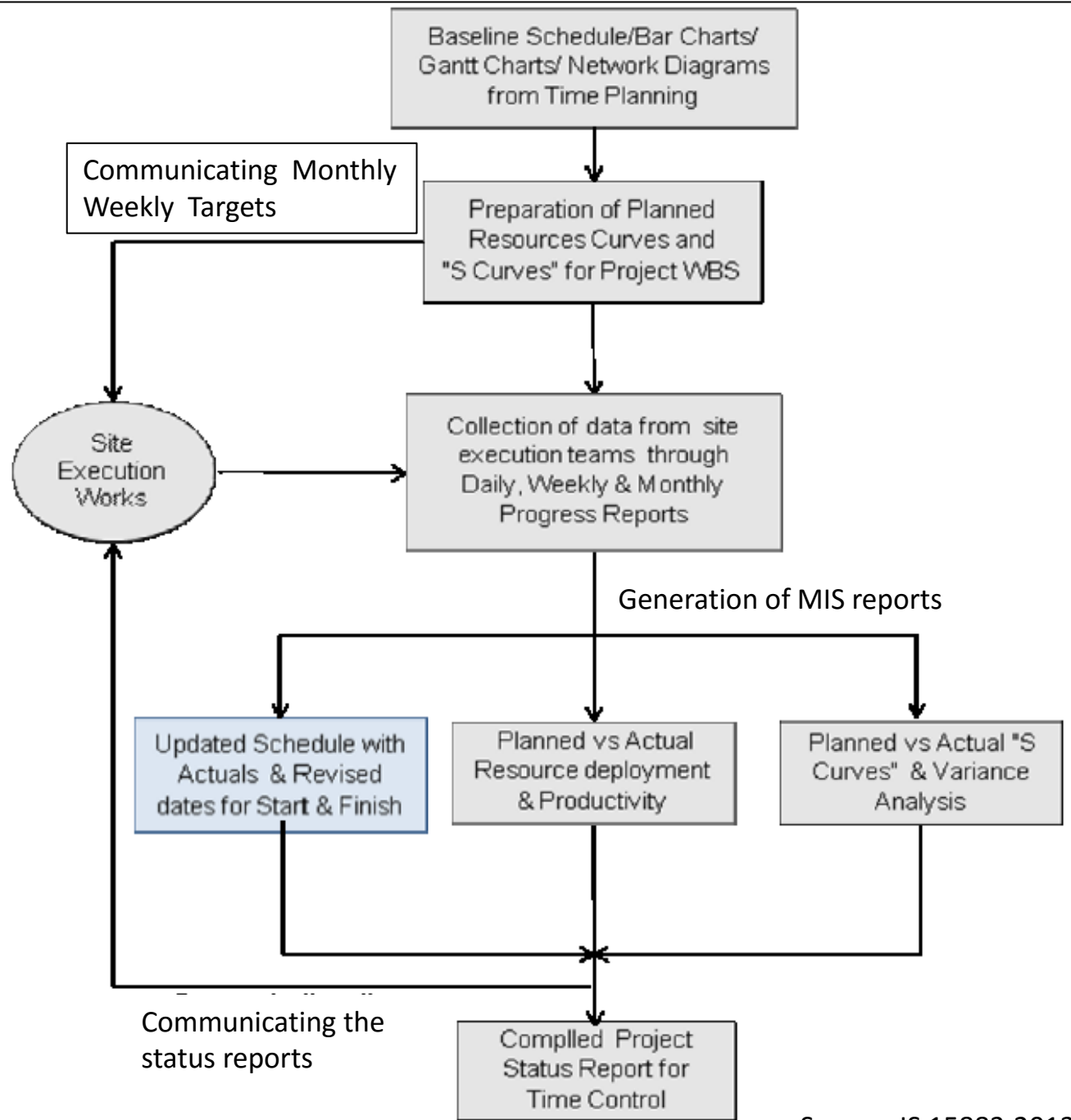
If no GPS/location update  
was available ?



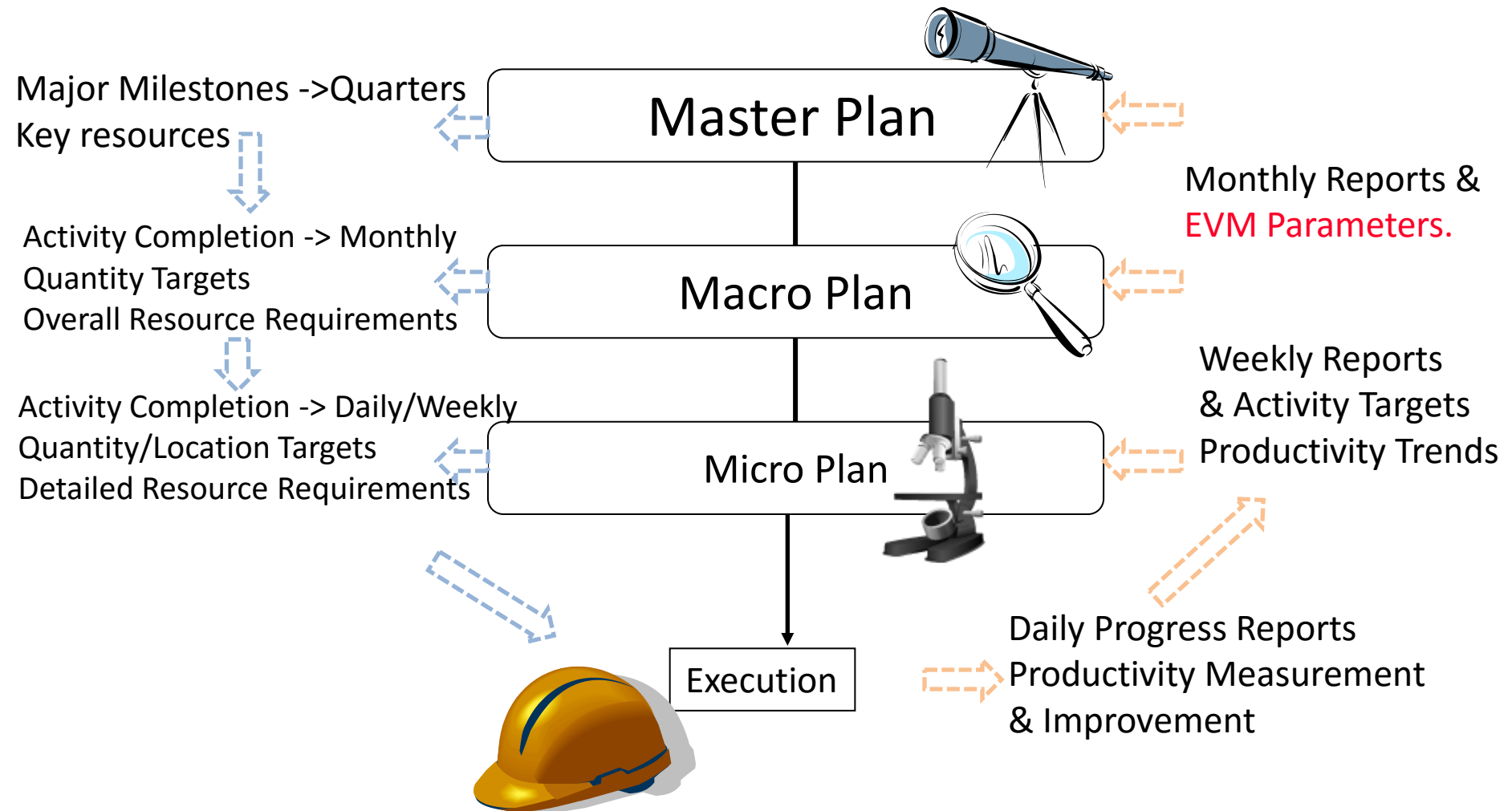
# Typical Project Time Monitoring Process

## "BASELINE PLAN"

*The initial approved plan to which deviations will be compared as the project proceeds*



# Planning & Monitoring Levels



# Frequency of Macro Schedule Update

- Based on Project Duration and Criticality of Project.

Weekly/ Bi-Weekly/Monthly is Typical

- Required level at which monitoring and control can be effectively done.

*Too frequent* - High overhead- no value  
Vs  
*Infrequent* - inadequate information to monitor and control

- Billing cycle

Schedule updates only for bill generation!!  
Not for planning & monitoring!!!

Only for finding delay responsibility!!

- Contractual Requirements – Delay analysis