Project Status Report
JPL Parallel SPICE Implementation
As of 02/22/2021

Project Status Summary   Percent Complete: 0%

🟩	**Scope**	We have had no issues with the scope of the project
🟧	**Schedule**	We are doing everything we can to deliver the project on time
🟩	**Quality**	We have categorized the entire function catalog of SPICE and are once again making progress
🟩	**Issues**	

Work Planned For Last Week

- Improve task dispatch engine to better support SPICE call polymorphism
- Merge the marshalling and dispatching modules of the project

Work Planned For This Week

- Merge the marshalling and dispatching modules of the project
- Use our new SPICE function knowledge to improve our automatic code generation suite. Our generated code should now be more reliable.

Open Issues

- We have partially resolved our major issue from last week. We now have a full classification document for all the SPICE functions. Now we need to make sure that we properly utilize this data to improve the project code and get back on schedule.

Deliverables and Milestones

Milestone	Planned	Forecasted	Actual	Status
Understand SPICE in a Java Context	10/12/2020	10/19/2020	10/19/2020	100%
Understand the scope of the project	10/12/2020	10/19/2020	10/19/2020	100%
Develop a preliminary design for parallelizing SPICE functions in Java	10/12/2020	02/12/2021	-	50%
Automating the coverage of the SPICE Library	01/25/2021	03/05/2021	-	5%
Deliverable	Planned	Forecasted	Actual	Status
Create a requirements document	10/19/2020	10/19/2020	10/19/2020	100%
Create a design document	10/19/2020	03/05/2021	-	45%
Develop a preliminary prototype of the user-side of ParSPICE	11/02/2020	02/12/2021	-	80%
Develop a preliminary prototype of the engine-side of ParSPICE	11/02/2020	02/12/2021	-	80%
Develop a prototype of ParSPICE with both the client-side and engine-side components	01/24/2021	03/12/2021	-	0%

Key Performance Indicators

- **Schedule** - Project is on Schedule
    - Schedule Variance (SV):   +/- 14 days