

Team Status and Communication Plan

Team Name: S24-15

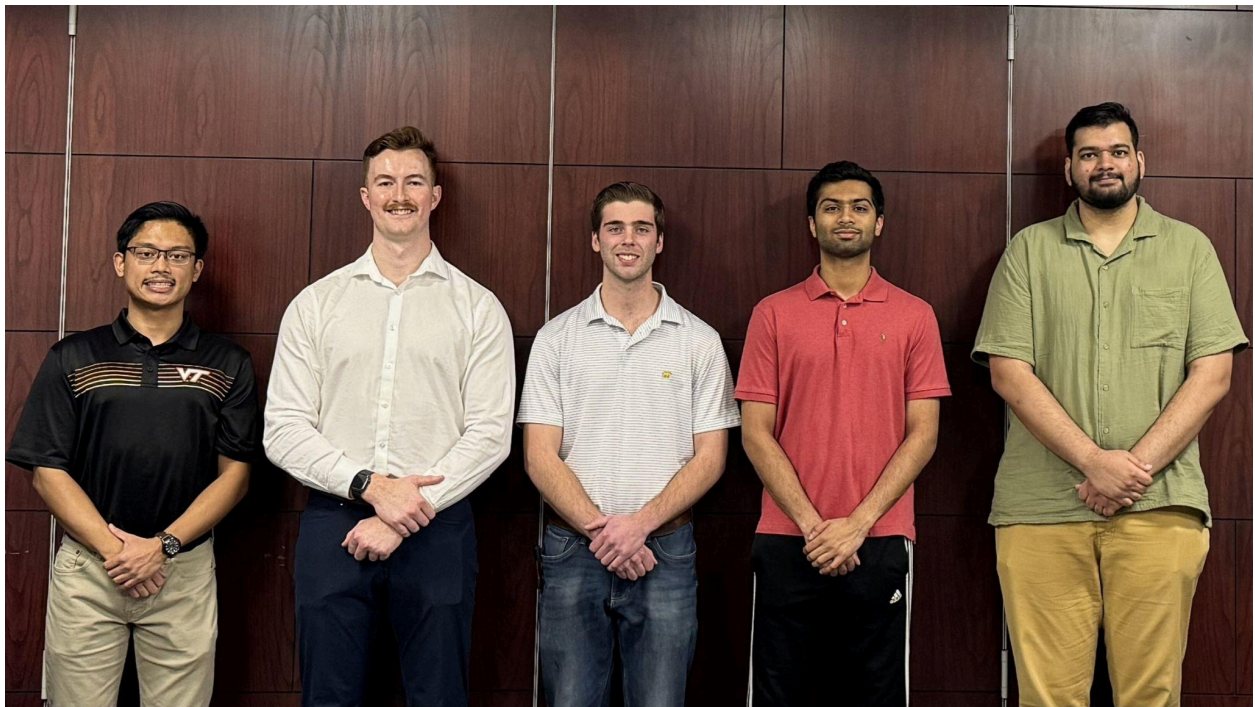
Project Name & Sponsor: SCADA System Development for Oversight of all Mars

Facilities with Sponsor Joe Adams

SME and Customer Info: SME - Joe Adams, wjadams@vt.edu Customer - Walter

Taraila, walter.taraila@vaspace.org

Team Picture:



Team Status and Communication Plan

Updated Project Plan:

Subsystem Breakdown:

Thomas Langley: Hardware set-up and connections[Client and Communications], GUI [Operations VM]

Sagar Ranga: Virtual Machines (SQL [historian], security [free iPA VM], operations VM [UI], developer VM), integration of all VMs [Hypervisor], one program [GUI]

Ryan Clarke: SQL Database, Historian VM, Azure, Sensors

Patrick Aguda: Sensors and Relay Devices, client and communications

Nithin Kumar: System Security and Sensors

Meeting Schedule:

Weekly Team Meetings via Discord (in-person as needed): 3:00 - 4:00 pm Mondays,

3:00 - 3:30 pm Wednesdays (alternate with customer meeting), 1:30-2:30 pm Fridays

Bi-Weekly Mentor/SME Meetings in WHIT 457B: (Dr. Adams) 1:00 - 1:30 pm Thursdays

Bi-Weekly Customer Meetings via Teams: 3:00 - 3:30 pm Wednesdays

Milestone Deadlines:

Brochure Page for Expo: *March 20, 2024*

Prototype Demo: *March 22, 2024*

Draft Poster for Review: *April 4, 2024*

Team Status and Communication Plan

Draft Presentation: *April 4, 2024*

Final Expo Poster: *April 12, 2024*

Project Binder Draft: *April 15, 2024*

****Expo Presentation: *April 17, 2024***

Final Project Binder: *April 26, 2024*

Final Disposition of Assets: *May 1, 2024 - done once Walter signs off (no more TPR/IPRs)*

Subsystem Deadlines:

Software:

- GUI: (Draft) February 16, 2024, (Final) TBD
- VMs:
 - Historian: February 16, 2024
 - Operations: February 16, 2024
 - Security: March 1, 2024
 - Developer: February 16, 2024
- SQL Database: February 23, 2024

Hardware:

- Setup and connections: March 16, 2024
- Final integration: March 23, 2024

Team Status and Communication Plan

Gantt Chart:

https://docs.google.com/spreadsheets/d/1kDebebe3OHZBaM0GfUQJyNQeZI3woXODu_aTn_w_-J90/edit?usp=sharing

WBS NUMBER	TASK TITLE	START DATE	END DATE	PCT OF TASK COMPLETE	PHASE SIX [01/16-02/02]												PHASE SEVEN [02/06-02/23]												PHASE EIGHT [02/26-03/15]												WEEK 25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
					WEEK 16					WEEK 17					WEEK 18					WEEK 19					WEEK 20					WEEK 21					WEEK 22					WEEK 23					WEEK 24																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
					M	T	W	R	F	M	T	W	R	F	M	T	W	R	F	M	T	W	R	F	M	T	W	R	F	M	T	W	R	F	M	T	W	R	F	M	T	W	R	F	M	T	W	R																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
5	Implementation and Verification																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

WBS:

https://docs.google.com/presentation/d/1yIhtIkYbLmN-iAZZCIs5zPOMdgwHb7tY3qRHU_AJDlhg/edit?usp=sharing

