CougSat-1					V1.5.1				End: 17-Jan-22	
Milestone Collection of tasks that mark important dates	**Component** Subsystem assembly	**Type** Primary discipline	**Critical Path** Last component of the milestone	**Start** Component commencing	**Build** Design, implement, fabricate, assemble, etc.		**Test** Functional, performance, validation, etc.		**Margin** Excess buffer for the unexpected	
CougSat-1 Flight Unit	CougSat-1 Flight Unit	Assembly		23-Aug-21	14 weeks	29-Nov-21	2 weeks	13-Dec-21	3 weeks	3-Jan-22
	EPS V3.1	Hardware		23-Aug-21	4 weeks	20-Sep-21	4 weeks	18-Oct-21	2 weeks	1-Nov-21
	Battery Testing	Hardware		23-Aug-21	2 weeks	6-Sep-21	4 weeks	4-Oct-21	2 weeks	18-Oct-21
	Structure V1.1	Hardware		23-Aug-21	4 weeks	20-Sep-21	4 weeks	18-Oct-21	2 weeks	1-Nov-21
	Avionics V1.1	Hardware	**Critical Path**	23-Aug-21	8 weeks	18-Oct-21	4 weeks	15-Nov-21	2 weeks	29-Nov-21
	Solar Panel V2.1	Hardware		23-Aug-21	4 weeks	20-Sep-21	2 weeks	4-Oct-21	2 weeks	18-Oct-21
	+X Panel V1.1	Hardware		23-Aug-21	8 weeks	18-Oct-21	2 weeks	1-Nov-21	2 weeks	15-Nov-21
	Comms V1.1	Hardware		23-Aug-21	4 weeks	20-Sep-21	6 weeks	1-Nov-21	2 weeks	15-Nov-21
	Backplane V3.2	Hardware		23-Aug-21	2 weeks	6-Sep-21	2 weeks	20-Sep-21	2 weeks	4-Oct-21
	-Z Panel V1.0	Hardware		23-Aug-21	4 weeks	20-Sep-21	2 weeks	4-Oct-21	2 weeks	18-Oct-21
	Germination Chamber	Hardware		23-Aug-21	6 weeks	4-Oct-21	4 weeks	1-Nov-21	2 weeks	15-Nov-21
	Germination Board V1.0	Hardware		23-Aug-21	8 weeks	18-Oct-21	2 weeks	1-Nov-21	2 weeks	15-Nov-21
	Camera Board V1.1	Hardware		23-Aug-21	4 weeks	20-Sep-21	2 weeks	4-Oct-21	2 weeks	18-Oct-21
Software Test	Day in the Life Test	Software		23-Aug-21	16 weeks	13-Dec-21	3 weeks	3-Jan-22	2 weeks	17-Jan-22
	IHU - C&DH Controller	Software	**Critical Path**	23-Aug-21	10 weeks	1-Nov-21	4 weeks	29-Nov-21	2 weeks	13-Dec-21
	ADCS Controller	Software	**Critical Path**	23-Aug-21	10 weeks	1-Nov-21	4 weeks	29-Nov-21	2 weeks	13-Dec-21
	Comms Controller	Software	**Critical Path**	23-Aug-21	10 weeks	1-Nov-21	4 weeks	29-Nov-21	2 weeks	13-Dec-21
	IFJR	Software	**Critical Path**	23-Aug-21	10 weeks	1-Nov-21	4 weeks	29-Nov-21	2 weeks	13-Dec-21
	PMIC - EPS Controller	Software	**Critical Path**	23-Aug-21	10 weeks	1-Nov-21	4 weeks	29-Nov-21	2 weeks	13-Dec-21

Important Dates

Name	Description	Date
Radio Licensing Forms	All RF regulatory documents completed and being processed by regulatory bodies (FCC)	1-Mar-20
Battery Qualification	Testing the batteries per the testing plan	8-Mar-20
Flight Unit Integration	All flight ready hardware assembled, wiring harnesses installed	29-Nov-21
Vibration Test	Mechanical test to ensure launch surviability, **only critical hardware fixes will be installed**	6-Dec-21
Software Integration	All flight ready software installed, **only critical bug fixes will be installed**	13-Dec-21
Day in the Life Test	A duration test of the flight unit in simulated space environment	3-Jan-22
Nanoracks Handover	Delivery to launch provider	17-Jan-22