Milestone	Component	Type	Critical Path	Start	Build		Test		Margin	
Collection of tasks that mark important dates	Subsystem assembly	Primary discipline	Last component of the milestone	Component commencing	Design, implement, fabricate, assemble, etc.		Functional, performance, validation, etc.		Excess buffer for the unexpected	
CougSat-1 Flight Unit	CougSat-1 Flight Unit	Assembly		23-Aug-21	22 weeks	23-Jan-22	4 weeks	23-Feb-22	2 weeks	9-Mar-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		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	**Critical Path**	23-Aug-21	11 weeks	7-Nov-21	9 weeks	9-Jan-22	2 weeks	23-Jan-22
	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	19 weeks	31-Dec-21	7 weeks	21-Feb-22	2 weeks	7-Mar-22
	IHU - C&DH Controller	Software	**Critical Path**	23-Aug-21	10 weeks	1-Nov-21	7 weeks	17-Dec-21	2 weeks	31-Dec-21
	ADCS Controller	Software	**Critical Path**	23-Aug-21	10 weeks	1-Nov-21	7 weeks	17-Dec-21	2 weeks	31-Dec-21
	Comms Controller	Software	**Critical Path**	23-Aug-21	10 weeks	1-Nov-21	7 weeks	17-Dec-21	2 weeks	31-Dec-21
	IFJR	Software	**Critical Path**	23-Aug-21	10 weeks	1-Nov-21	7 weeks	17-Dec-21	2 weeks	31-Dec-21
	PMIC - EPS Controller	Software	**Critical Path**	23-Aug-21	10 weeks	1-Nov-21	7 weeks	17-Dec-21	2 weeks	31-Dec-21

CougSat-1   V1.5.2   End: 9-Mar-22

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	14-Feb-22
Vibration Test	Mechanical test to ensure launch surviability, **only critical hardware fixes will be installed**	18-Feb-22
Software Integration	All flight ready software installed, **only critical bug fixes will be installed**	17-Dec-21
Day in the Life Test	A duration test of the flight unit in simulated space environment	21-Feb-22
Nanoracks Handover	Delivery to launch provider	23-Feb-22