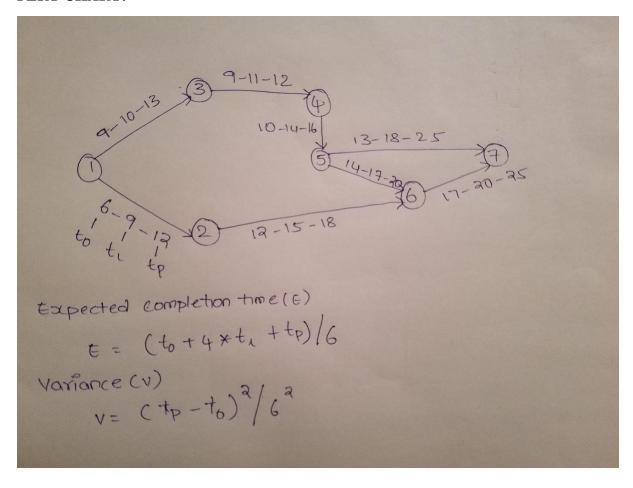# CRITICAL PATH ANALYSIS AND PERT CHART

TASK LIST:

S.NO	TASK	DEPENDENT
1	High level Analysis	
2	Selection of hardware platform	1
3	Detail analysis of core module	1
4	Programming for core modules	3
5	Quality Assurance for core modules	4
6	Core module training	2,5
7	Deployment	5,6

PERT CHART:

Expected completion time (E)

$$E = (t_0 + 4 \times t_\iota + t_P)/6$$

Variance (v)

$$v = (t_P - t_0)^2/6^2$$

S.NO	Activity	Optimistic (TO)	Most likely (TL)	Pessimistic (TP)	Variance (V)	Expected Completion Time(E)
1	1-2	6	9	12	1	9
2	1-3	9	10	13	1	10
3	2-6	12	15	18	1	15
4	3-4	9	11	12	0.25	10.8
5	4-5	10	14	16	1	18.66
6	5-6	14	17	20	1	17
7	5-7	13	18	25	4	18.3
8	6-7	17	20	25	1.78	20.33