







	,			
Tasks	Periodicity	Deadline	Execution	vie of
Buttoni	Soms	50 N	2	uo hs
Buttons	5 ms	soms	2	uo hs
Periodic Transmitter	100 ms	100 ms	(loo As
Reciver	20 ms	roms	5	180 115
bools	10 000	io mo	10	5 Ms
Load 2	looms	looms	` \	12.5ms

* My Per Period is = looms

* The execution time was calculated from Keil Simulation Using

* Took Set Application Task Tag and GPI65

Cot 16 10 5 20 15 TU 30 5 40 15 TU 50 15 TU 60 TS 4 70 TS 80 TS TU 90 5 100

3) CPU load: - = totalexecution fine / hyper-period
= 2(40 Ms) + 2(40 Ms) + 5(180 Ms) + 1(100 Ms) + 10(5 ms) +
1(17.5 ms) / (100 ms) = 63-16 Ms pc

4) System 3 chedul abolity: 4 UC n(2^1(11n)-1)
0163 C 0173 H

sched alable Task Anaily Sts Button 1 = 304 + 150/20) 1404 + (50/10/5m-25, 3/ms yes Button2, 30 M+ (50/50) 30M+ (50/20) 140 M+ (50/10) 5m Les = 25.34 mis < 50 Periodic (100/50) 30H + (100/50) 30M + (100/20) 140 H + (100/10) 54/ +94 N = 50.914m.5 < 100 405 U A/0/ 1 (100 /50) 30/ + (100 / 50) 30 / + (100 / 50) 140/ +1)00/(0) 5/ +94 N=50.914m = 100 Jes 5m +0 -5 ms < 10 load 1 (100/50)30H+(100/50/30H+(100/20)(40/4+(100/10)7 m yes load 2 +944+12.5m=63.414m.5 < 100