Doctype:	Pages:
Progress report	1(1)
Date:	Ver:
2003-05-16	1.0

Progress report 5

Summary

We have implemented everything that is required in the order. We have now focused on documentation and packing everything on the CD for delivery.

Events since previous report

- Milestone passed: Controller design ready.
- Milestone passed: Everything implemented in the DSP.

What happens next

• Documentation for the final review and delivery.

Current time scale

D Task Name	03 Mar 17 03 Mar 24 03 Mar 31 03 A SSMTWTFSSMTWTFSSMTWTFSSMT	Apr 07 03 Apr 14 03 Apr 21 03 Apr 20 WITESSMITWITESSMITWITESSMITWITE	103 May 05 10 FISIS MITHVITIFISIS M	3 May 12 03 May 19 00 11 MTTESS MTTWTTESS M
¹ Project management				
4 MS: Project plan	♦ 03-20			ſ
⁵ Modelling the system				
8 MS: System modeled	♦ 03-21			
⁹ Design regulator				-<
15 MS: Balancing controller ready	♦ 03-28			
10 MS: Pendulous controller ready	0182			
15 MS: Controller design ready		• 04.08		
18 MS: Controller with safety features			♦ 05-06	
15 MS: Controller completed				♦ 05-14
	1		<u> </u>	
27 MS: The pendulous can balance	1	01.08	F F	
21 MS: The pendulous can swing		♦ 04.11		
28 MS: Swing and balance			♦ 05-06	
MS: Everything implemented in DSP				05-16
31 Presentations				
3 MS: Midterm review		♦ 04 10		
36 MS: Final review				♦ 05-20
3 Documentation				
44 MS: Final written report & CD				÷ 05-23
S Progress report	00 00	0 e	0.0	0

Other

We have a working system for delivery. The advanced anti wind-up for the PIDcontroller did not work so we went back to the simplest idea we had in the beginning. We have also investigated the consequences with lower sampling frequencies.