

Project Specification

1. Basic Details

Student Name:	The Invisible Man
Draft Project Title:	Corporate Anti-Virus for PC's
Course and Year:	Bsc Computer Science Year 4
Project Supervisor:	University of Portsmouth

2. Outline of Project Environment

The information within the project is aimed at company technical support staff to provide reasonable solutions that save time and money in the event of a computer virus outbreak. This could apply to new or existing companies that use computer technology as part of their working routine.

The anti-virus tool developed is to be used in the Windows 95/98/NT operating system platforms to warn any user of possible macro viruses. As a result, this will appeal to companies and home users that share and read documents originated elsewhere. The Internet medium is suitable to distribute the application to a British audience until improvements are made that allow international use with different language versions of Word.

3. The problems to be solved

Problem 1 - Information awareness:

Where there is lack of information awareness, the wrong decisions are made that can jeopardise valuable company time and data in the event of a virus. The project aims to inform support staff about the risks involved with computer viruses, and how to limit the damage to valuable work data. A guideline for preventative attack in a company anti-virus policy solves the mystery of how to go about virus protection with practical examples.

Problem 2 - Anti-virus tool:

The design of a word document virus scanner makes the project challenging and useful. It is directed towards any company that share their work via E-mail, networks and disk, safeguarding word document distribution. It will examine a document and warn the user of suspicious macro names used by these viruses. On user request, it will attempt to disable the virus macrocode.

4. Breakdown of tasks

Task	Duration	Description
A	5 Days	Find the history of the computer virus
B	5 Days	Download viruses and info then categorise
C	3 Days	Download virus scanners & test features / use
D	10 Days	Research & create anti-virus policy
E	5 Days	Research & analyse macro virus workings
F	5 Days	Design word anti-virus tool structure
G	15 Days	Find reusable pre-written code modules
H	20 Days	Design & code interface and engine
I	3 Days	Speed up the file scanning routines
J	5 Days	Test scanner with live viruses & present results
K	5 Days	User documentation
L	2 Days	Technical documentation (code comments)
M	6 Days	Help file design & implementation
N	1 Day	Integrate help files into program & test
O	5 Days	Network virus disaster prevention
P	5 Days	Locate available anti-virus training seminars
Q	5 Days	URL links and book titles to further knowledge
R	30 Days	Project dissertation from notes & references

5. Project Deliverables

Guidelines for a company anti-virus policy

Design anti-virus tool GW-Scan with pseudo code

Implementation of code using Visual Basic 5 &
Technical Documentation to show internal program workings and structures

Testing GW-Scan with analysis of results

User Documentation to allow a novice user to detect and remove word viruses

User Documentation in Help File Format

Project Dissertation

6. Requirements

Hardware requirements – Windows 95/98/NT PC
Software requirements - Visual Basic 4 & 5
Office 4.3, 95, 97, 2000 (word versions)
Large collection of word Virii
Large collection of executable Virii
Dr Solomon's Anti-Virus Toolkit
Mcafee Anti-Virus 3 (trial version)
Norton Anti-Virus 5 (trial version)
Microsoft Project 4.1 For Win95

Access to the Internet (Web, Newsgroups and E-mail)

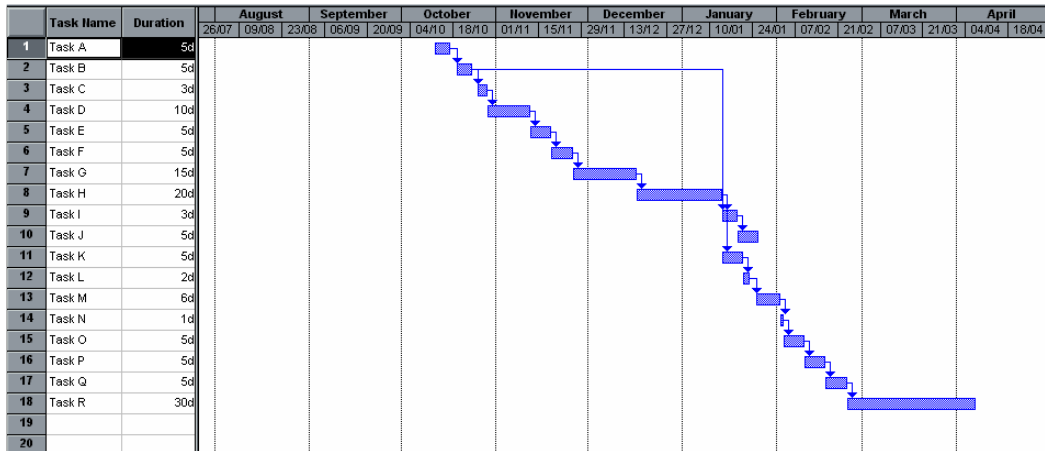
Access to project supervisor

7. Project Plan

Gantt chart of Corporate Anti-Virus from Oct 98 to Apr 99
You can open the gantt chart with MS-project by double clicking:



Microsoft Project 4.1
Project



8. Signatures

	Signature	Date
Student:		
Project Supervisor:		