DAMASCAS USER MANUAL

Version 0.1 [Alpha]

DeciGen™ Solutions

Your solution to help generate decision
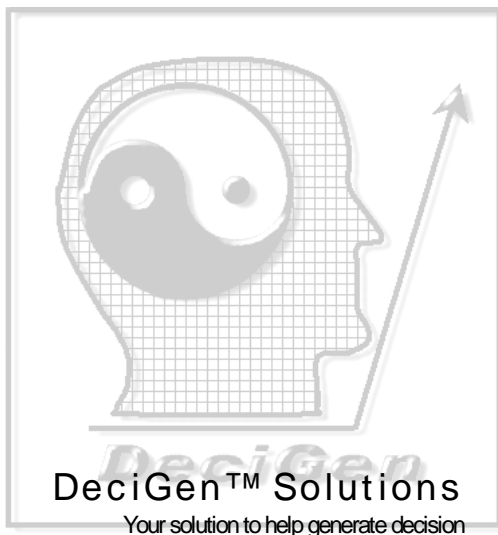
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Introduction

DAMASCAS is a open source decision support system to generate optimum staff allocation after considering task requirement, skill and competency of your staff. It will also consider availability of manpower while planning the task allocation.

DAMASCAS will improve your team effectiveness and reduce the time wasted to distribute work, thereby increasing availability of your work force.

It is meant for first line supervisors - BPO team leaders, shop supervisor, office staff head, project leader. Who are faced with problem of day to day staff allocation to various tasks.

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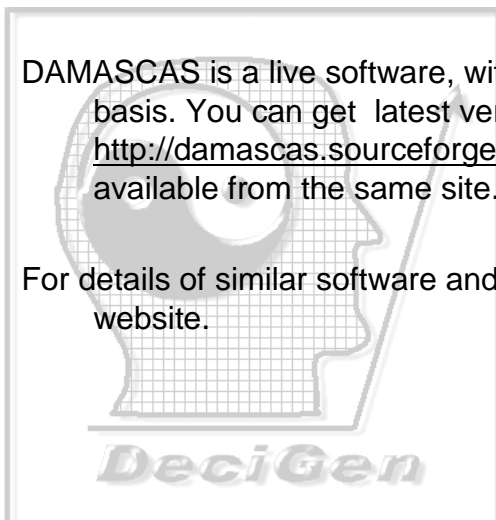
DAMASCAS requires information on work requirement, staff availability and skill database. It will find optimal assignment of various tasks to your workforce to ensure maximum work is allocated to highly skilled staffs.

It can respond to changes in your staff availability and work requirement and always find good allocation to ensure work is distributed to best skilled staff so that overall team productivity will always be maximum.

Downloading & Latest Version

DAMASCAS is a live software, with many modification begin done on almost daily basis. You can get latest version of DAMASCAS from http://damascas.sourceforge.net. Source code of DAMASCAS is also available from the same site.

For details of similar software and other services visit the DeciGen Solutions website.

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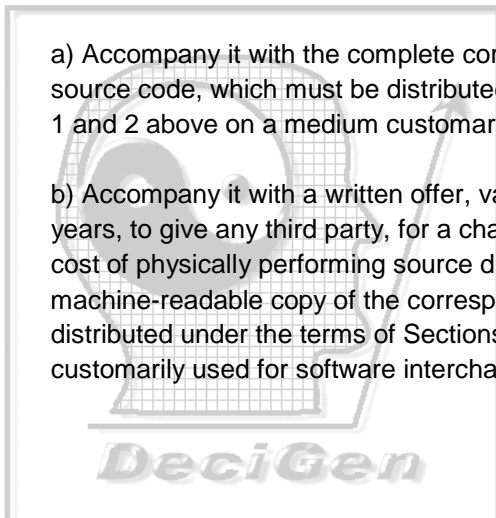
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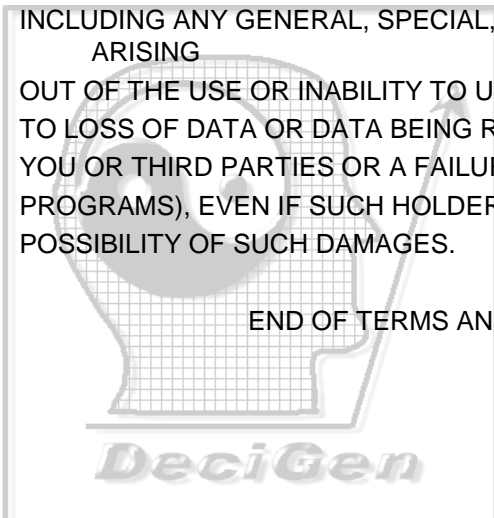
Installation

To install DAMASCAS run the setup file by double clicking it. This will show the flash screen and open the install directory. Please select any suitable directory as per your choice, and click on start setup.

You will be presented with the user license. If the terms are acceptable to you, click on 'I agree' and software will be installed in your selected directory. The setup program will also create a program group in your start menu.
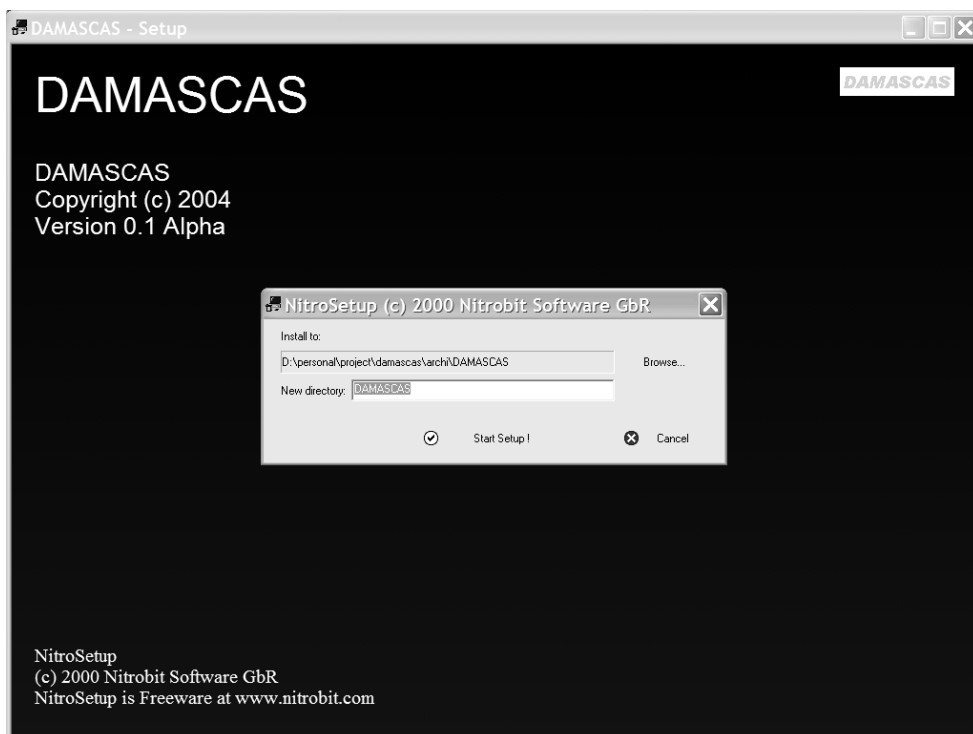
File Opening
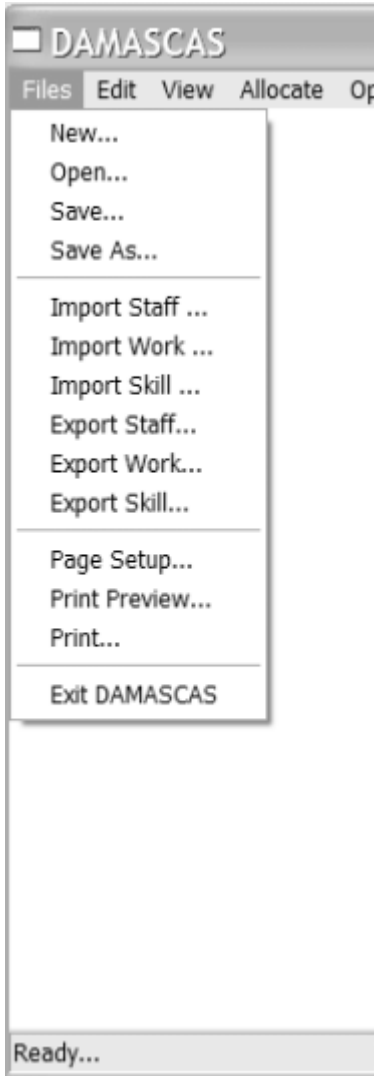
You can get data from DAMASCAS (*.dam) files or import it from other files.

DAMASCAS can import data in comma separated value (.csv) from other program. This will allow you to easily integrate it with your existing programs like attendance system or Manpower planning system.

File open or Import menu option brings up a file open dialogue box.

Display Reports

DAMASCAS shows four views of the data: Staff, Work, Skill and Allocation

DAMASCAS

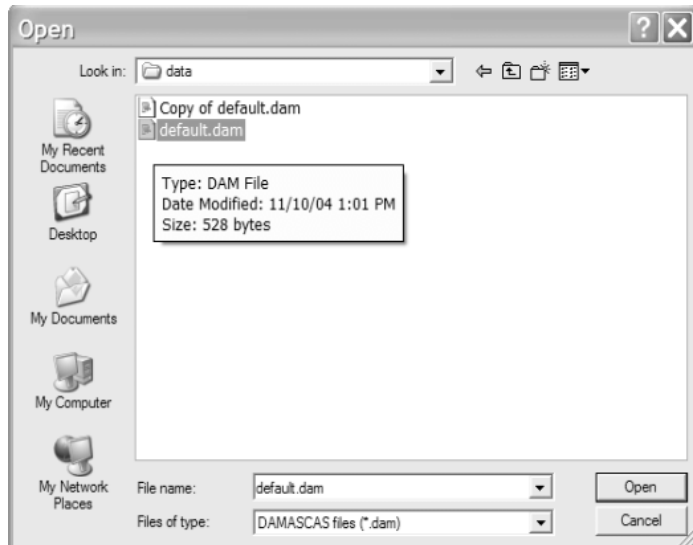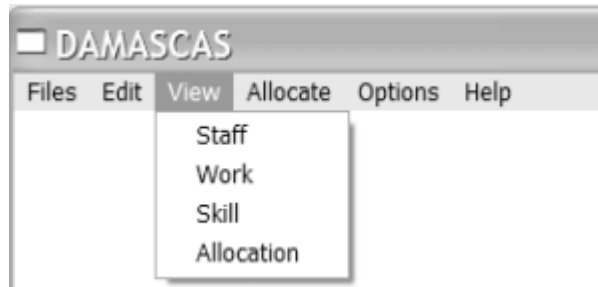Files | Edit | View | Allocate | Options | Help

Staff
Work
Skill
Allocation

DAMASCAS

Files | Edit | View | Allocate | Options | Hel

NAME	Present
Rajiv	N
Kunal	Y
Stafford	N
Greta	Y
Martin	Y
Peter Sen	Y
Cooper Jhon	N
Bhatia	Y
Sujit	Y
Ajit Pal	Y
Stephen Brad	N
Cristopher Robo	Y
Maria Buffa	Y
Jhon Paul	Y

To view Staff availability select View>Staff. All absent staffs are marked red.

Skill-wise staff requirement for the work is visible through View>Work

DAMASCAS

Files | Edit | View | Allocate | Options | Help

SKILL	REQUIRED
Perl coding	5
Documentation	2
Web Design	3

DAMASCAS

Files | Edit | View | Allocate | Options | Help

NAME	SKILLS REQUIREMENT	A 5	B 2	C 3
Rajiv		5	0	2
Kunal		3	0	0
Stafford		3	0	2
Greta		0	0	5
Martin		1	0	3
Peter Sen		2	3	2
Cooper Jhon		0	3	5
Bhatia		0	5	2
Sujit		0	4	0
Ajit Pal		3	0	3
Stephen Brad		4	0	3
Cristopher Robo		5	0	4
Maria Buffa		5	0	5
Jhon Paul		5	0	2

Skill Legend:
A - Perl coding
B - Documentation
C - Web Design

Skill availability of the staff along-with work requirement can be viewed in Skill view. Select View>Skill to select this view. All absent staffs are indicated in red. If allocation has been done the allocated staff/skill cell is highlighted with green.
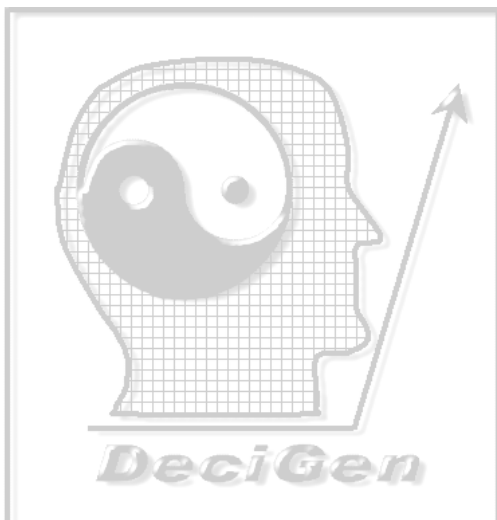
Display Allocation

After all relevant data are loaded in the system you have to run Allocation by selecting "Allocation" from menu option.

This will find the best assignment of tasks for each of your staff. This allocation is done based on information available in skill matrix.

DAMASCAS tries to allocate task to the best skilled staffs.

After allocation has been done skill matrix will show the allocations by highlighting the cells that has been allocated

DAMASCAS

Files Edit View Allocate Options Help

NAME	SKILLS REQUIREMENT	A 5	B 2	C 3
Rajiv		5	0	2
Kunal		3	0	0
Stafford		3	0	2
Greta		0	0	5
Martin		1	0	3
Peter Sen		2	3	2
Cooper Jhon		0	3	5
Bhatia		0	5	2
Sujit		0	4	0
Ajit Pal		3	0	3
Stephen Brad		4	0	3
Cristopher Robo		5	0	4
Maria Buffa		5	0	5
Jhon Paul		5	0	2

Skill Legend:
  A - Perl coding
  B - Documentation
  C - Web Design

Data Preparation

For staff allocation three types of data are required

1. List of staffs along with their presence: This can be imported through a comma separated list. First field should indicate the staff name and second field should indicate attendance status. All present staff should have 1 after their name and all absent staffs should have 0

2. Work requirement: This is again a comma separated list. First field should indicate the skill name and second field should indicate total staff requirement for that skill

3. Skill matrix: This is a comma separated list of skill of your staffs in 0 to 10 scale. Each line indicate skill for one staff. Skill columns must match in the order Skills are entered in work data file. I.e. first column is for first item in work data, second column for second item and so on. Higher number indicate higher skilled staff. Provide data for all work category and all staffs, otherwise the program may generate run time error or give erroneous results

Registration

If you are regular user of the software, please register it by visiting DeciGen Solutions site http://www.decigensolutions.com/register?prog=damascas

It helps us to keep track of the users and their need and profile. This helps our future software development.

By registering you will be able to get personalized support for the software. You will also get information on updates and have access to online tutorial of the software.

SUPPORT

If you require any personalized support or customized development on the software please contact us at address provided at end of this manual

Acknowledgement

We want to acknowledge the support of following person/organization that made it possible to create and reach this programs to you.

Sourceforge.net for making available a beautiful site for support of open source software.

Free Pascal team specially M/s Michaël Van Canneyt & Florian Klämpfl for making available an excellent PASCAL compiler freely.

Colin Laplace of Bloodshed.net for developing a good IDE for FPC.

Makers of Nitrobit Software for the packaging and distribution software.

We also want to thank many users of the software who have made valuable suggestion and pointed out bugs.

Version History

- 0.01 – Alpha release of software. Sans print and data edit features

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