

Truancy

Time & Attendance Module

&

introducing

Perfact

Pandemic problem

- Such are the issues of both short and long term effects on the infrastructure of New Zealand that the government is looking for solutions to this problem of TRUANCY

Refer to “Sunday” TV documentary dated 30 April 2006, TV ONE - 1930

TV One News item Sunday 11 June 2006

Trials to be extended
to other cities

20 people
prosecuted in
South Auckland

Principal indicates that he
would prefer alternative to
prosecution



- Preferable to avoid Prosecution – lose/lose for everybody
- Lengthy delays to navigate through the legal process – resources stretched
- Expensive for NZ Government, College, Board of Trustees, and caregiver

- This presentation is not a discussion on the attributes or failures of truancy
- Moreover it is a pragmatic and cost effective SOLUTION for the problem of truancy in New Zealand
- It is not a recommendation for monitoring (Big Brother) and subsequent punishment for truancy
- Moreover it is an incentive to the potential truant by introducing aspects of achievement through proactive involvement and education using the tool of the internet and smartcard
- Through PERFACT it is also an encouragement for the caregiver to become actively involved with the educational institute

Perfact - **P**erformance and **a**ttendance by **c**ard **t**ransfer

Definition:

- “Electronic record keeping system” to accurately chart school pupil’s attendance.
- A generational advance on the manual record keeping using a class roll/register.
- A computerised system which is accessible by school, pupils or caregivers at anytime, or anywhere in the world, and which has an up to date record of attendance [and absenteeism].
- It can be used in a way that redeemable awards can be accumulated for attendance.
- It enables and interacts with caregivers and school administration.

Personalised progressive target graph

(via College web site)



- Name: Justin Davies -Train
- Logon ID
- Password

Preferred option - student is involved through team college activity

Linked Card option

- Extended family and friends can be “linked” to the student’s target and can participate in scheme
- Encourages team [peer] ethic
- Encourages a fun element into the attendance to school, rather than mandate
- Makes acceptance to critical mass much easier and can work in favour of the School/College with additional loyalty element, thus minimising the Truancy problem - “it’s **COOL** to go to **SCHOOL**”

Student Loyalty Purse

The screenshot displays the UniShow software interface. The window title is "UniShow - [UniSho1]". The menu bar includes "File", "Card", "Edit", "View", "Window", and "Help". The interface is divided into several sections:

- Card Information:** A table with two columns: "Field" and "Contents".
- Purses:** A table with columns: "Id", "Code", "Balance", "Maximum", and "Last TSN".
- Audit Log:** A table with columns: "Id", "Code", "Balance", "Amount", "Date/Time", "Terminal ID", and "Sequence".

A red circle highlights the "Id" column in the Purses table, with a red arrow pointing to a yellow box labeled "Purses".

Field	Contents
✓ Size	1 KBytes
✓ Status	Active
✓ Type	Consumer (0)
✓ Sequence	1
✓ Version	0
✓ Card Serial	0000000082084B4E

Id	Code	Balance	Maximum	Last TSN
✓ 21	NZD	1	500000	90
✓ 02	PTS	0	5000	0
✓ 23	ACC	0	500000	0

Id	Code	Balance	Amount	Date/Time	Terminal ID	Sequence
21	NZD	12192	-12191	24/12/05 09:43	0028	90
21	NZD	77722	-65530	24/12/05 09:42	0028	89
21	NZD	143252	-65530	24/12/05 09:42	0028	88
21	NZD	208752	-65500	24/12/05 09:40	0028	87
21	NZD	273752	-65000	24/12/05 09:39	0028	86
21	NZD	338752	-65000	24/12/05 09:38	0028	85

For Help, press F1

Personalised progressive target graph

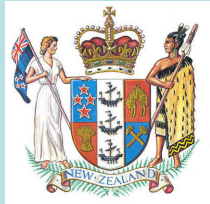
(via student's cell phone)



- Name: Justin Davies -Train
- Logon ID
- Password

This option is personal rather than team involvement

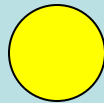
Student Card



Kiwi College of attendance



date of birth



12345678 csn

Your brand here

- Additional revenue can be made from investor's branding rights

Card operation



- Card cannot be 'skimmed' or copied
- Audible sound avoids double entry
- Visual display avoids double entry

School Performance and Attendance (Perfact)

[card data](#)
[user data](#)

TABLE: card data [Export to Excel](#) [Export to Word](#) [Export to XML](#)

Search (*) [Show all](#)

Exact phrase All words Any word

[Add](#)

csn (*)	type	status (*)	issue	card size (*)	expiry date	issued date	issued at (*)	issuer (*)	reissued	hot	id				
00000000C4909137	0	Active	1	1K		24/9/2004	8/9 Bridge Street	GIS	No	No	2001	View	Edit	Copy	Delete
00000000C4909444	0	Active	1	1K		24/9/2004	8/9 Bridge Street	GIS	No	No	2003	View	Edit	Copy	Delete
00000000C4F29037	0	Active	1	1K		12/10/2005	8/9 Bridge Street	GIS	No	No	8001	View	Edit	Copy	Delete
00000000D47C9037	0	Active	1	1K		24/9/2004	8/9 Bridge Street	GIS	No	No	9001	View	Edit	Copy	Delete
00000000D47C9055	0	Active	1	1K		24/9/2004	8/9 Bridge Street	GIS	No	No	2002	View	Edit	Copy	Delete
01800000F3B60A29	1	Active	1	16K		24/9/2004	8/9 Bridge Street	GIS	No	No	2	View	Edit	Copy	Delete
01800000F3C70E67	1	Active	1	16K		24/9/2004	8/9 Bridge Street	GIS	No	No	1	View	Edit	Copy	Delete

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Card Status

School Performance and Attendance (Perfact)

[card data](#)
[user data](#)

TABLE: user data [Export to Excel](#) [Export to Word](#) [Export to XML](#)

Search (*) [Show all](#)

Exact phrase All words Any word

id	title (*)	first name (*)	last name (*)	dob	sex (*)	initials (*)	address (*)	post code (*)	tel (*)	mob (*)	fax (*)	form (*)	adm no (*)	daily spend	MAL	MAL date from (*)	MAL date to (*)	MAL time from (*)	MAL time to (*)	user group (*)	updated	csn
2001		Justin	Davies-Train	18/9/1988	M							11PM	2351	300	No	23/08/2004	23/08/2004	/08/2004	/08/2004	Student	No	
2002		Maria	Smith	18/9/1988	F							11PM	2351	300	No	23/08/2004	23/08/2004	/08/2004	/08/2004	Student	No	
2003		Julie	Simpson	18/9/1988	F							11PM	2351	300	No	23/08/2004	23/08/2004	/08/2004	/08/2004	Student	No	
8001		Craig	Morrison	30/8/1975	M							English		400	No	23/08/04	23/08/04	23/08/04	23/08/04	Teacher	No	
9001		TEMPORARY	CARD	1/1/2000	-									300	No	04/07/05	04/07/05	08:00:00	14:00:00	Temporary	No	

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Records 1 to 5 of 5

Card Personalisation

School Performance and Attendance (Perfact)

[card data](#)
[user data](#)

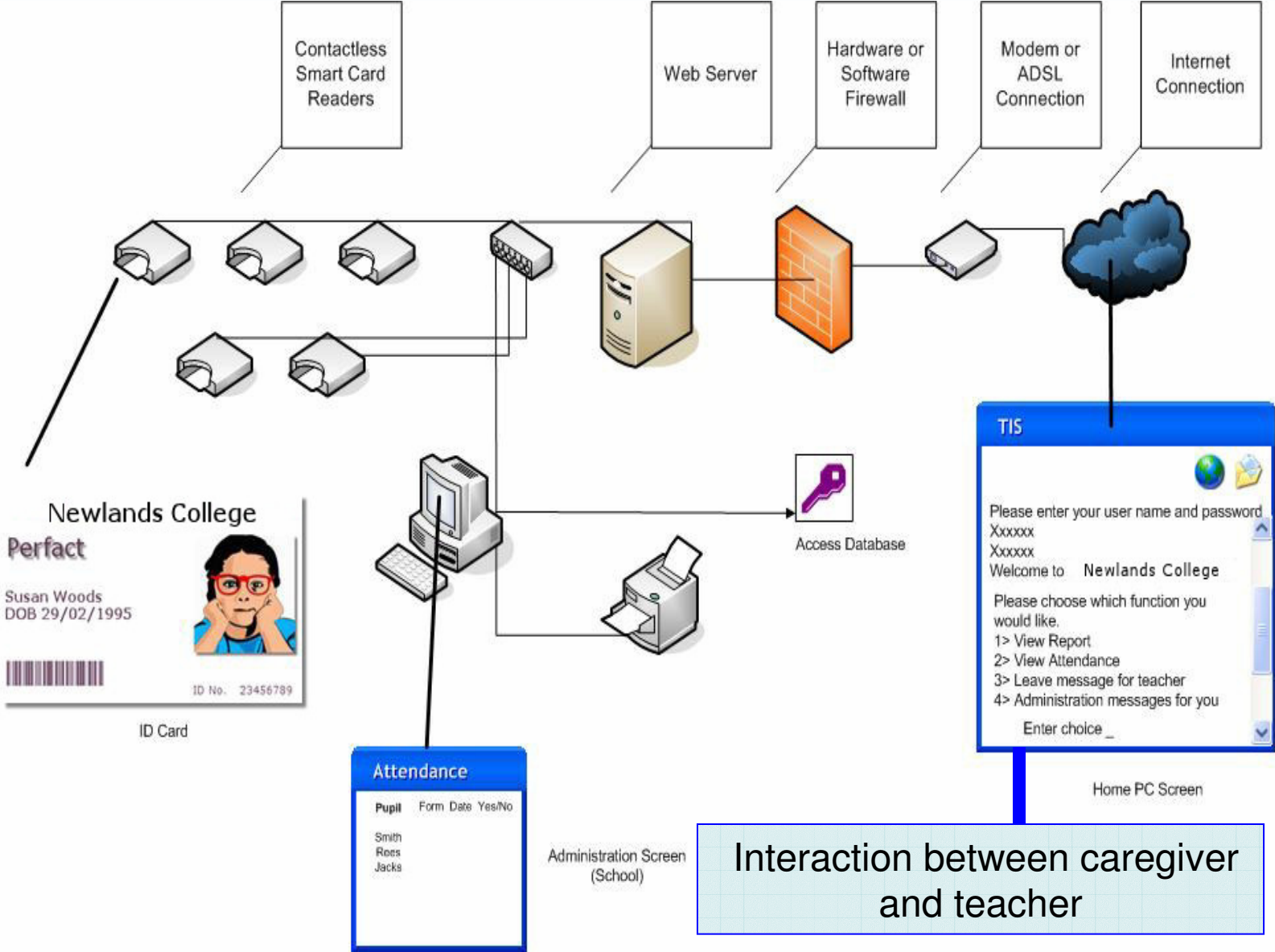
View TABLE: card data

[Back to List](#) [Edit](#) [Copy](#) [Delete](#)

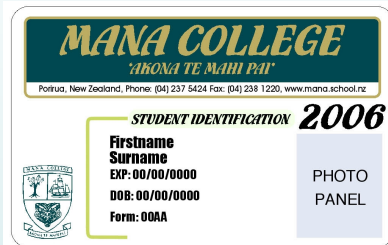
csn	00000000C4909137
type	0
status	Active
issue	1
card size	1K
expiry date	
issued date	24/9/2004
issued at	8/9 Bridge Street
issuer	GIS
reissued	No
hot	No
id	2001

Administration editing

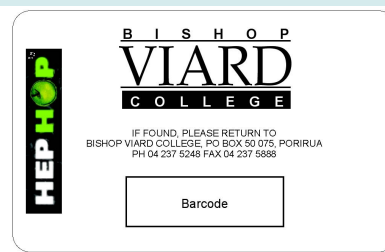
Perfact - *P*erformance and *a*ttendance by *c*ard *t*ransfer



Reference Sites



- Currently two local (Wellington) colleges are signed up and are using the Hep – Hop student ID card



N.B. Hep – Hop [Healthy Eating Points] programme

The technology has been proven by MyIP Group Ltd

Rhythm & Vines (Gisborne) 28 December 2005 – [National Business Review \(17 February 2006\)](#)

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February 17, 2006 RETAIL \$8.50

EDITOR'S CHOICE

A weak Pulse

It seems like a good idea – good enough for about 100 investors to stump up over \$4 million. So will Pulse Utilities manage to convince electricity companies of its value before it's too late? **5**

Smart alecs

Get ready for the backlash from the privacy weenies; smart-card shopping is already here. Find out how 5000 people spent up large over the holidays and completely avoided the banking system **6**

False fallout

A widely feted piece of research on the cost of war, said to mount up to a \$1.7 trillion bill, would be really useful if it were actually correct. Sure, war is bad but it can also be really good **8**

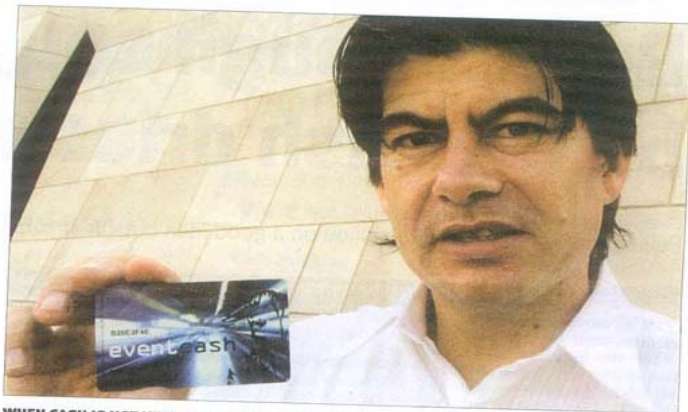


Junior unions

If there has been one thing holding back the union movement of late, and no, it's not the Labour government, it has been its ability to attract younger, more militant members. Until now, that is. Meet the new face of the union movement, albeit with a couple of old organisers **10**

Top service

With the country's increasing focus on harnessing high-end tourists, it's about time someone stepped up to ensure they get the appropriate treatment. Enter former stock exchange boss Eion Edgar, who makes one hell of a doorman **60**



WHEN CASH IS NOT KING: Darren Whitaker-Barnett with an "Eventcash" card

Smart card first for My IP

Kate McLaughlin

A Wellington company has completed what it believes is the first contact-less chip smart card e-payment system in New Zealand.

At a two-day New Year event in Gisborne, My IP Group managed more than 20,000 transactions for some 5000 people using its specially developed "Eventcash."

Rhythm & Vines concert-goers loaded money on to the smart cards and used them instead of cash. Each transaction bypassed the standard banking system, avoiding merchant or cardholder fees, with a transaction time of less than a second.

My IP designed and built the solution within an eight-week time frame set down by the organisers.

My IP director Darren

Whitaker-Barnett said he has fielded a number of inquiries about the service since.

"It's a big event. They handle a lot of cash and they're at a size now where they needed to add more structure around money handling," he said.

My IP consists of two Wellington-based directors, Mr Whitaker-Barnett and Ted Woodley, who have spent the past year setting up their business.

They have a partnership with UK-based smart card company, General Information Systems (GIS). GIS acts as My IP's development shop in return for licence fees.

GIS has been in business since 1985. Among other things, it has developed and manufactures the London Underground "Oyster Card" transport pass. And a second GIS partner company in Brazil

develops smart cards for the Brazilian government.

My IP can take advantage of GIS's existing systems and intellectual property while adding its own.

"We're small enough to be flexible. We can develop turnkey solutions in a very short period of time, yet we have one of the leading development teams in the world in the UK," Mr Whitaker-Barnett said.

"We don't just do the cards. We do the software development and terminal development, get the terminals built by contractors, do all the reporting and if need be we run the system on behalf of customers."

Mr Whitaker-Barnett said My IP is developing a number of new smart card applications, including loyalty cards and education applications.

tion plan to unveil a road up to six new power stations on the lower Waitaki River.

Three years later in March 2004, after being swamped by waves of

ch a' Average Joe seeks safety in gold

energy

But most of the easy money has been made, broker says

Amy Patterson

New Zealand's only specialist precious metals broker is attracting hordes of Mum and Dad investors wanting to diversify their portfolios ahead of a possible recession.

Commonwealth Precious Metals Group buys and sells gold, silver, platinum and palladium for investors.

Director Carlton Brown, who founded the Auckland-based company in 2002, said there had been a significant upswing of investor interest in precious metal commodities since October when the price of gold was tipped to increase from \$US473.65 an ounce to \$US500 an ounce.

That forecast proved correct, with gold continuing to trade above that mark at \$US545.50/oz this week.

Investors were also looking to diversify after Reserve Bank governor Alan Bollard raised the official cash rate.

Mr Brown, who wouldn't be specific about numbers but said his retail clientele was "in the thousands," said when other markets levelled off, investors looked for alternatives.

"The precious metals market has taken on a totally new outlook for investors. It's a safe haven in times of crisis," Mr Brown said.

"The average investor now is looking to this market. It's no longer just big net wealth individuals."

ABN Amro Craigs research analyst Brett Orsler said the mining boom in Australia over the past three years has raised the profile of the industry as an investment. New Zealand is undergoing a gold mining boom of its own, as reported in last week's *National Business Review* (Feb 10).

"The Mum and Dad investors have been attracted to the metals and mining sector," Mr Orsler said.

To PAGE 2

- 21,000 transactions over five days with NO transaction fees

- Robust technology – performed flawlessly throughout the entire festival over five days

- Average age of party goers - 21 years [mainly post graduate students] Ideal for persons to 'test' the system

- Early card loads were small \$2.50, \$3.75. By end of first day typical card loads were at maximum of \$200

- Within 15 minutes on completion of festival eventcash terminals reported turnover for the event [other systems took 14 days to reconcile]

- So successful, that next years event has mandated ONLY smartcard. All other forms of payment/pseudo currency will be outlawed

URL:<http://www.myipgroup.com>

Contact details:

EMJ [Ted] Woodley IEng FIIE

Consultant

0272-555-464/04-2328532

email: bivid@actrix.co.nz



Ted Woodley founded B&I Electronics Ltd in 1981. An electronics engineer, registered with the Council of Engineering Instructions (CEI) in London, UK, he has over 46 years in consumer electronics in New Zealand, and the United Kingdom.

Ted has been involved with smart cards for nearly 12 years, in that time he has been:-
First in the world to receive cash transactions across the internet [TCP/IP] using a smartcard from a site in the UK to NZ
First in Australasia to interface a photocopier using a smartcard
First in Australasia to interface a building access module using a smartcard