

The Use of PBS SPMP i-GSA System: The Perception Towards Users' Attitudes and The Design of The System

Nor Hayati Fatmi Talib¹, Ima Rahayu Abd Rahman² & Bani Hidayat Mohd Shafie³

Politeknik Banting Selangor^{1,2} & IPG Kampus Pendidikan Islam Bangi³

norhayati.fatmi@polibanting.edu.my

ABSTRACT

The PBS SPMP i - GSA System is a database for the implementation of Student Generic Attribute (GSA) at Banting Selangor Polytechnic (PBS). A pilot study was conducted to see to what extent the perception of users; their attitude towards the use and the design of the PBS SPMP i - GSA System. The instrument was adapted from Januddin (2010) and Philip Hallinger (2010) to construct attitude, while the design of constructs was adapted from Kamaruzzaman Ismail (2012). The study was conducted at Banting Selangor Polytechnic (PBS) which involved 47 respondents who used the system. The findings showed that overall users' perception of both aspects in the study had high mean score which; with a mean score of 3.68 (SD=0.64) for the attitudes towards the use of the system and with the mean score of 3.92 (SD=0.60) for the system design. The study is expected to help the respective team in improving the PBS SPMP i - GSA system to be an easy and efficient GSA data base for PBS students.

THE BACKGROUND OF THE STUDY

Malaysia has taken various steps in the education system to make it more powerful, meet the national needs and be competitive in global markets. Various policies and planning framework were introduced at the various stages in our education system to produce quality human capital at international level, including the National Long-Term Plan (RMK- 10), Education Development Master Plan (PIPP 2006-2010), Vision 2020, The *Malaysian Education Blueprint for Higher Education* (PPPM 2015-2025) and many more.

Polytechnic as one of the higher education institutions has also taken various steps to support government's efforts in producing balanced graduates and a holistic human capital with high employability. The aspects to be emphasized are developing students' generic skills and their academic performance. According to Hall (2008), human capital management is a sub-set to the human resource management. Sanguinetti (2004) argued that generic skills should be emphasized as it is a part of the development of human capital besides the mastery of knowledge and other skills.

Banting Selangor Polytechnic (PBS) has been responsible in producing graduates with generic skills or known as Student Generic Attribute (GSA) by introducing the formula of excellence; $E = f \{A+G+C\}$. E is the main goal of PBS; which is graduates employability; A is the Academic Achievement; which is the excellence in academic and technical skills, which are important element in working; G is Student Generic Attributes (GSA), which is also contributes to the employability; and C is the collaboration network with the industry, which my increase the chances of students in getting jobs.

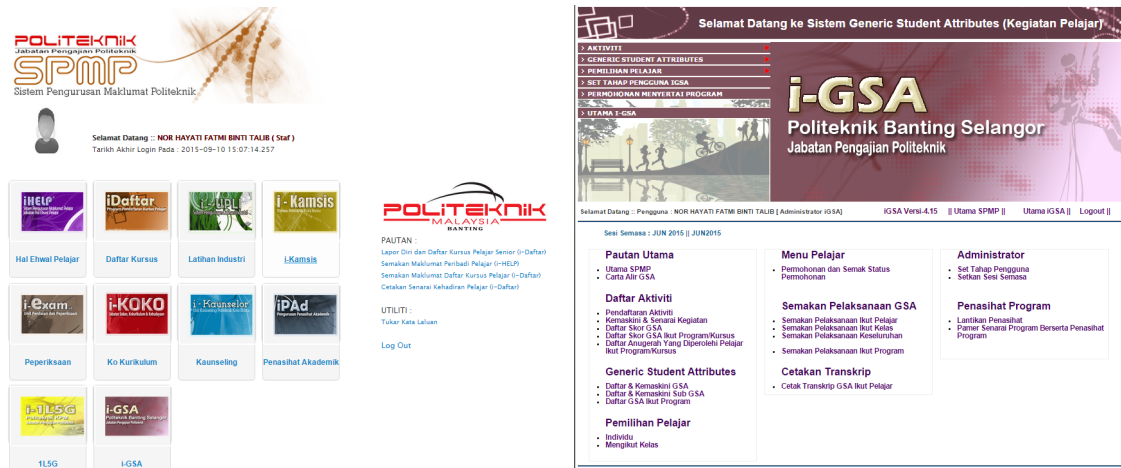
For the success of the 'G' aspect, many initiatives have been implemented including the i-GSA

system which was introduced in June 2014 as a main GSA database of PBS. The effort to strengthen the implementation of the GSA in PBS was professionally supported by and by all parties involved in the planning, implementation and monitoring stages. This study is conducted to gather information and feedback from users for the improvement of the PBS SPMP i - GSA system to make it more efficient and easy to be used. The information about the weaknesses, strengths, needs, opportunities and other details will be identified in order to ensure the development process of PBS GSA implementation are successful.

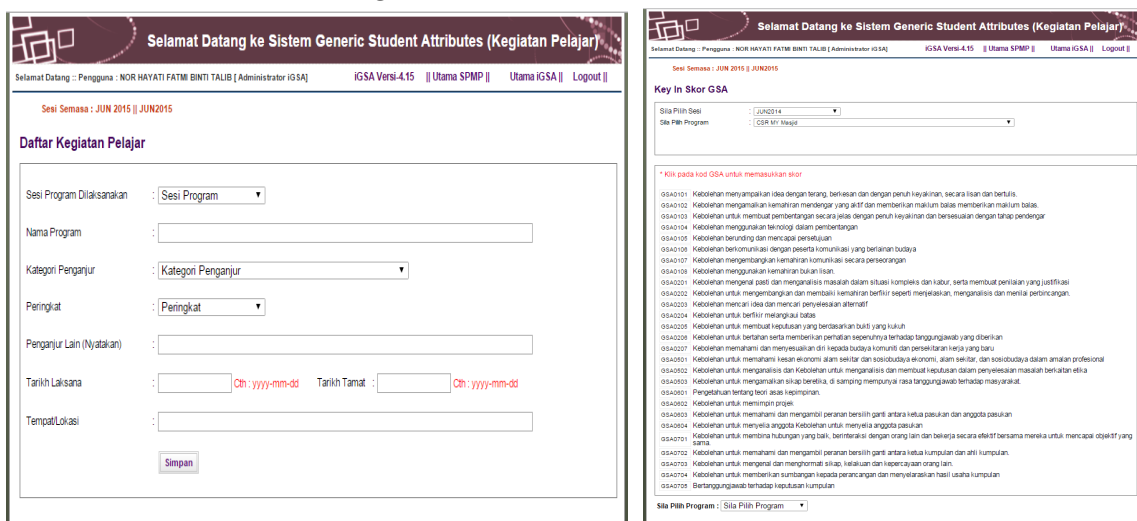
THE PBS SPMP I-GSA SYSTEM

I-GSA system has been positioned as one of the windows in the Student Information Management System (SPMP) developed by few officers in PBS who are assisted by 3 officers of the Student Affairs Department of Kota Bharu Polytechnic (PKB). The system relied mainly on the concepts and instruments from Seri Bunian (2012). Below are some of the applications generated in PBS i-GSA SPMP system.

The Front Page



The Window for Activities Registration and GSA Score key-in



Sila Pilih Program : LUKMA

Pemilih Sesi: 0- Tidak 1- Sangat Rendah 2- Rendah 3- Sedikit 4- Tinggi 5- Sangat Tinggi

No	No.Pend	Nama Peserta	GSA0101					GSA0102					GSA0103					GSA0104					GSA0105				
			1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
1	24DM13P2014	ABU HUDA FAH BIN ABU BAKAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	24DM13P2008	AZRA SYAZMINA BINTI ROSLAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	24DM13P2005	BARAHAINI BINTI MUHAMMAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	24DM13P2021	MOHAMMAD AKMAL ADHA BIN MOHAMMAD ROSLI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	24DM13P2015	MOHAMMAD ARIFF HUSNAN BIN MOHAMMAD BAKRUL MUKAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	24DM13P2011	MOHAMMAD UZZAT ARAAFI BIN ASMAT AJIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	24DM13P2007	MOHD NORZAIN BIN OTMAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	24DM13P2016	MUHAMMAD ALI IMAN BIN MOHD SALLEH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	24DM13P2012	MUHAMMAD AMRUL BIN JAMIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	24DM13P2020	MUHAMMAD ATEFULLAH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	24DM13P2014	MUHAMMAD FAZLI BIN ROHIZAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	24DM13P2023	MUHAMMAD HAFED BIN SULAIMAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	24DM13P2028	MUHAMMAD NUR HARIZ BIN MOHAMMAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	24DM13P2018	MUHAMMAD ARIFF BIN MOHD BAGDI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	24DM13P2020	MUHAMMAD AMIN MUQADDIM BIN AZMI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	24DM13P2029	MUHAMMAD AZZAD BIN MOHD AZHAFI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	24DM13P2015	MUHAMMAD BAKAR UDDIN BIN DAYARA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

The Window for GSA Register, Check and Update

Selamat Datang ke Sistem Generic Student Attributes (Kegiatan Pelajar)

Selamat Datang : Pengguna : NOR HAYATI FATMI BINTI TALIB (Administrator IGSA) IGSA Versi-4.15 || Utama SPMP || Utama IGSA || Logout ||

Sesi Semasa : JUN 2015 || JUN2015

Tambah GSA dan Kemaskini GSA

Susunan	Kod GSA	Nama GSA	Generic Student Attribute (GSA)	Kemaskini	Padam
1	GS41	KEMAHIRAN KOMUNIKASI	Kemaskini	Padam	
2	GS42	PEMILIRAN KRITIS DAN KEMAHIRAN MENYELESAIKAN MASALAH	Kemaskini	Padam	
3	GS43	PEMBELAJARAN BERTERUSAN & PENGURUSAN MAKLUMAT	Kemaskini	Padam	
4	GS44	KEMAHIRAN KEUSAHAWAJIAN	Kemaskini	Padam	
5	GS45	MORAL DAN ETIKA PROFESIONAL	Kemaskini	Padam	
6	GS46	KEMAHIRAN KEPIMPINAN	Kemaskini	Padam	
7	GS47	KEMAHIRAN KERJA BERPAJUKAN	Kemaskini	Padam	

Selamat Datang ke Sistem Generic Student Attributes (Kegiatan Pelajar)

Selamat Datang : Pengguna : NOR HAYATI FATMI BINTI TALIB (Administrator IGSA) IGSA Versi-4.15 || Utama SPMP || Utama IGSA || Logout ||

Sesi Semasa : JUN 2015 || JUN2015

Semakan Permohonan Dan Permohonan Menyertai Program

No	Nama Program	Pengantar	Tarikh Mula	Tarikh Tamat	Tempat	Status	Mohon	Batal	Mohon
1	PAMERAN PROJEK KEAJURUTERAN MEKANIKAL	Jabatan Kejuruteraan Mekanikal	05 Oct 2015	05 Oct 2015	Lobi Bangunan Staf				
2	BUSKERPRENEUR	Unit Kaushahaman	03 Oct 2015	03 Oct 2015	DATARAN PANTAI MORIB				
3	KEM BIRO TATANEGARA	Unit Kurikulum	03 Oct 2015	03 Oct 2015	KEM BINA TANJUNG RHU SEPANG				
4	MALAM PRA-GRADUASI SESI JUN 2015	Jabatan Penyelenggaraan Pemasar	03 Oct 2015	03 Oct 2015	BANTING				
5	ENGLISH CAMP CUM EDUCATIONAL TRIP TO SINGAPORE POLYTECHNIC	Jabatan Pengajaran AM	11 Dec 2015	14 Dec 2015	POLITEKNIK BANTING SELANGOR				

Selamat Datang ke Sistem Generic Student Attributes (Kegiatan Pelajar)

Selamat Datang : Pengguna : NOR HAYATI FATMI BINTI TALIB (Administrator IGSA) IGSA Versi-4.15 || Utama SPMP || Utama IGSA || Logout ||

Sesi Semasa : JUN 2015 || JUN2015

Pemilihan Pelajar

Sila Pilih Sesi : JUN2015

Sila Pilih Program : ENGLISH CAMP CUM EDUCATIONAL TRIP TO SINGAPORE POLYTECHNIC

Sila Pilih Jawatan : Jawatan

Sila Pilih Kelas : DAKSA

No	Nama	No.Pend	Jawatan	Status	Pilih	Batal Pilih
1	MOHD NOR AKMAL BIN ZAINUDDIN	24DAM14P2001	-	-		
2	MUHAMMAD ZULZAFRI BIN JAMIL	24DAM14P2002	-	-		
3	BIRENDRA KUMAR A/L RAMASAMY	24DAM14P2003	-	-		
4	MUHAMMAD ARIFF BIN IDERIS	24DAM14P2004	-	-		
5	SURYAPRAKASH A/L CHANDRAN	24DAM14P2005	-	-		
6	MUHAMMAD EFFENDI BIN MOORI	24DAM14P2006	-	-		
7	MUHAMMAD ZULHAJRI BIN MAZLAN	24DAM14P2007	-	-		
8	AZRIEL BIN BAINI	24DAM14P2008	-	-		
9	ARISHAND A/L BALAN	24DAM14P2009	-	-		
10	SYAHRIL BIN MO FADZIL	24DAM14P2010	-	-		
11	MUHAMMAD SHAHRIZAL AZWAN BIN AHMAD YANI	24DAM14P2012	-	-		
12	ALIFF FITRI BIN MOHD YUNUS	24DAM14P2013	-	-		
13	DINESH A/L BALAN	24DAM14P2015	-	-		
14	SHATHESH A/L LOBANATHAN	24DAM14P2016	-	-		
15	MUHAMMAD SHAHUDDIN BIN JAIDIN	24DAM14P2017	-	-		
16	NALI SYAMMI BINTI LUKMAN	24DAM14P2018	-	-		
17	MUHAMMAD SOLIHAN BIN ROSLI	24DAM14P2019	-	-		
18	IZZAT SYAFI BUDIN BIN ZAMRIERI	24DAM14P2021	-	-		
19	MURIZAH BINTI ABDULLAH	24DAM14P2022	-	-		
20	CHIN KIM BOON	24DAM14P2023	-	-		
21	MUGUNTHAN A/L KANESAN	24DAM14P2024	-	-		
22	UGAANTARUN A/L SUGUMAR	24DAM14P2025	-	-		
23	DARVIN RAJ A/L K.K VELAATHAN	24DAM14P2026	-	-		

The Window to Elect the Program Advisor & Show Programs/Activities

Selamat Datang ke Sistem Generic Student Attributes (Kegiatan Pelajar)

Selamat Datang : Pengguna : NOR HAYATI FATMI BINTI TALIB (Administrator IGSA) IGSA Versi-4.15 || Utama SPMP || Utama IGSA || Logout ||

Sesi Semasa : JUN 2015 || JUN2015

Lantik Penasihat Program Pelajar

Sila Pilih Sesi : JUN2015

Sila Pilih Program : (PROGRAM BESTARI) SOLAT KOLABORASI PPS DAN KIKIL

Sentral Penyarah Mengikut Abjad : [PK]

No	Nama Staf	No KP	Lantik	Batal Lantik
1	ADIBAH HASANAH BINTI ABD HALIM	85004020068		
2	MUWAINA JASMIN BINTI HUSSIN	821214015100		
3	LIYANA BINTI IBRAHIM	820214075178		
4	MUHAMMAD SAFWAN B ABDULLAH	730831715109		
5	NOR HAYATI FATMI BINTI TALIB	702428115010		
6	NORMURINI BINTI MOHAMMAD	781022105455		
7	NUR AZMAH BINTI MOHAMMAD SALEH	778801109322		
8	SANTHY AIP SUBBARAU	74011707828		
9	SITI MARTINI BINTI MUSTAPHA	710525035350		

Selamat Datang ke Sistem Generic Student Attributes (Kegiatan Pelajar)

Selamat Datang : Pengguna : NOR HAYATI FATMI BINTI TALIB (Administrator IGSA) IGSA Versi-4.15 || Utama SPMP || Utama IGSA || Logout ||

Sesi Semasa : JUN 2015 || JUN2015

Semakan Program dan Penasihat Program

No	NAMA PROGRAM	TARIKH PROGRAM	PENASIHAT
1	ENGLISH CAMP CUM EDUCATIONAL TRIP TO SINGAPORE POLYTECHNIC	11/20/2015 - 14/12/2015	POLITEKNIK
2	PAMERAN PROJEK KEAJURUTERAN MEKANIKAL	05/10/2015	JABATAN POLITEKNIK
3	BUSKERPRENEUR	03/10/2015	POLITEKNIK
4	KEM BIRO TATANEGARA	03/10/2015	POLITEKNIK
5	MALAM PRA-GRADUASI SESI JUN 2015	03/10/2015	POLITEKNIK
6	ENGLISH CAMP CUM EDUCATIONAL TRIP TO SINGAPORE POLYTECHNIC	11/20/2015 - 14/12/2015	POLITEKNIK
7	PROGRAM BERTARI SOLAT KOLABORASI PPS DAN KIKIL	12/06/2015 - 16/06/2015	POLITEKNIK
8	PROGRAM TOWARDS REAL GUIDE	11/08/2015 - 13/08/2015	POLITEKNIK
9	SURVEI MENGENAI DESAIN PAKSIORAS & LABELING	12/05/2015	POLITEKNIK
10	PROGRAM BERTARI SOLAT KOLABORASI PPS DAN KIKIL	12/06/2015	POLITEKNIK

The Window to Check the Individual, Class and Overall GSA Achievement

The screenshot displays the 'Selamat Datang ke Sistem Generic Student Attributes (Kegiatan Pelajar)' window. It includes a navigation bar with 'GSA Versi 4.15', 'Utama SPMP', and 'Utama IGSA'. The main content area is titled 'Semakan GSA Ikut Pelajar' and shows a list of students with their respective scores across various GSA categories. A summary table on the right, titled 'Semakan GSA Keseluruhan Pelajar Bagi Semua Jabatan', provides an overview of scores for different departments.

The Window to Check the Implementation of GSA

This screenshot shows the 'Semakan Program Yang Telah Dilaksanakan Bagi Sesi JUN 2015' window. It lists various programs such as 'PROGRAM TERORI DAN PRAKTIKAL PARAMOTOR' and 'PROGRAM KEMAHIRAN MENYELAKAT'. Each program entry includes its ID, name, start date, and status. A second table below shows 'Program Yang Belum Dilaksanakan Bagi Sesi JUN 2015', listing programs like 'ENGLISH CAMP' and 'PAMERAN PROJEK KEJURUTERAAN MEKANIKAH'.

The Window to Print Certificates & Transcripts

The screenshot shows the 'Cetak Transkrip GSA Ikut Pelajar' window. It features a search bar for selecting a class and a list of students. Below the list, there are options to print certificates and transcripts in HTML, PDF, or Excel format. The student list includes names like 'AHMAD KHAIRI BIN MOHD ZUKRI' and 'AHMAD SUFIAN BIN SUHAIMI'.

TRANSKRIP GENERIC STUDENT ATTRIBUTES

NAMA	AHMAD KHAIRI BIN MOHD ZUKRI
NO METRIK	24DAM12F1005
NO ID	94020915221
KEMASUKAN	JUN 2012
PROGRAM	DIPLOMA KEJURUTERAAN PENYENGAHAN PESAWAT
TEKNIK PEJAJAN	0
JUMLAH AKTIVITI YANG DIERTAI	1

BIL.	AKTIVITI	JAWATAN	PERINGKAT	ANUGERAH	SESI
1.	ENTREPRENEURSHIP RACE 2014	PESERTA	POLITEKNIK		JUN2014

PELAJAR DATAS TELAH MEMENUHI SYARAT MINIMUM BAGI PENILAIAN GENERIC STUDENT ATTRIBUTES (GSA) DAN LAYAK UNTUK DIANUGERahkan SUIJ. GSA

LT. KOL. BERSUKTU (PA) HJ. ZULKIFLI BIN MD SALLEH
PENGARAH
POLITEKNIK BANTING SELANGOR
MALAYSIA

THE OBJECTIVES

This study aims to look at the user acceptance of the i-GSA system in general. This study particularly aims to:

- i. Identify the users' attitudes towards the use of PBS SPMP i - GSA.
- ii. Identify the users' perception towards the design of PBS SPMP i – GSA.

THE METHODOLOGY

This study is a pilot study for a quantitative survey which conducted after a year the system was introduced at Banting Selangor Polytechnic. There were 47 respondents of the 64 academic staff at PBS took part in this study. The instrument used was The instrument used was adapted from Januddin (2010) and Philip Hallinger (2010) to construct attitude, while the design of constructs was adapted from Kamaruzzaman Ismail (2012). Analysis of reliability coefficient using the coefficient alpha was conducted with Cronbach alpha values of 0.965 (attitude) and 0.961 (Design). The instrument uses 5-point Likert scale to measure the agreement.

The data was analyzed using the Statistical Package for Social Science (SPSS) software version 18.0. Descriptive analysis was used using frequency, percentage, mean, mode, and standard deviation. The data is interpreted in Table 1 as follows:

Table 1: *Interpretation of the mean score in the independent and the dependent variables*

MEAN SCORE	INTERPRETATION
1.00 – 1.80	Very Low
1.81 – 2.60	low
2.61 – 3.40	Medium
3.41 – 4.20	High
4.21 – 5.00	Very High

Source: The scale used is modified from the clarification retrieved from J.P.A form (Performance) 3/2002 (annual assessment form of government staff performance) and adaptation from Education Planning and Research Division (2006).

THE FINDINGS

A. Respondent Profile

This research involves 47 participants from the population of 67 staff who use the i-GSA system. The profiles are as in Table 2:

Table 2: *Respondent Profile*

Item	Category	Frequency	Percent
Department	Aircraft Maintenance Department	13	27.7%
	Mechanical Engineering Department	15	31.9%
	General Studies Department	8	17.0%
	Mathematics, Science & Computer Dept	8	17.0%
	Student Affairs Department	3	6.4%
Sex	Male	19	40.43
	Female	28	59.57

Source: Field Study

Table 2 shows that, there were 15 respondents (31.9%) from Mechanical Engineering Department, 13 respondents (27.7%) from Aircraft Maintenance Department, 8 respondents (17.0%) from General Studies Department and Mathematmics, Science & Computer Department and also 3 respondents (6.4%) from Student Affairs Department. Most of the respondents were female; 28 respondents (59.57%) as compared to male; 19 respondents (40.43%).

B. The Attitude towards the use of PBS SPMP i-GSA System

Table 3: *describes the findings of users' attitude towards the use of PBS SPMP i - GSA System*

CODE	ITEM	FREQUENCY SCALE N=47					MEA N	SD	LEVEL
		1	2	3	4	5			
THE KNOWLEDGE									
A5	All sources in PBS SPMP i-GSA are sufficient to be use in implementing GSA.			11	28	8	3.94	0.64	H
A10	I do not feel burdened using PBS SPMP i-GSA	1	5	10	18	13	3.79	1.04	H
A12	I will accept any tasks which involve the use of PBS SPMP i-GSA willingly			5	24	18	4.28	0.65	VH
TOTAL							4.00	0.62	H
THE SKILLS									
A6	I feel pleasant and comfortable to use PBS SPMP i-GSA.	2	1	11	24	9	3.79	0.93	H
A8	I am skillful in using PBS SPMP i-GSA	2	2	20	17	6	3.49	0.93	H
A11	I use PBS SPMP i-GSA confidently, therefore I don't stop myself from using the system	1	2	11	21	12	3.87	0.92	H
TOTAL							3.71	0.82	H
THE READINESS									
A1	The use of PBS SPMP i-GSA ease my work in implementing GSA at PBS.			7	28	14	4.11	0.63	H
A7	The software used in PBS SPMP i-GSA does not confuse me	1	2	19	16	9	3.64	0.92	H
A9	The use of PBS SPMP i-GSA does not confuse my mind.	2	3	17	17	8	3.55	0.99	H
TOTAL							3.77	0.72	H
THE USEFULNESS									
A2	The PBS SPMP i-GSA system is used in the process of GSA implementation at PBS.			6	25	16	4.21	0.66	VH
A3	The use of PBS SPMP i-GSA enable me to key-in the GSA data properly.		2	5	27	13	4.09	0.75	H
A4	The process of updating my data is more effective with the use of PBS SPMP i-GSA.	1		12	26	8	3.85	0.78	H
TOTAL							4.05	0.62	H
OVERALL TOTAL							3.88	0.64	H

Source Field Data
SD Standard Deviation
H High
VH Very High

The results in Table 3 shows the user's attitude towards the use of PBS SPMP i - GSA as a whole is at a high level mean score which; the mean score is 3.88 (SD = 0.64) . In detail, all items are at the high level except item Q2; *the PBS SPMP i - GSA is useful for the implementation of the GSA in PBS* (4:21 score mean : SD = 0.66) and items Q12; *I would accept any tasks that require me to use PBS SPMP i - GSA* (mean score 4.28 ; SD = 0.64) were at a very high level . The lowest score was for item Q8; *I am skillful in using PBS SPMP i - GSA* (3:46 Min score ; SD = 0.93)

If we look at each element discussed under the users' attitude in using PBS SPMP i - GSA system which includes four aspects; the knowledge , the skills , the readiness and the usefulness, mean scores ranged from 3.71 to score 4:05 . The highest mean score is for the aspect of the usefulness which the mean score was 4:05 (SD = 0.62) , followed by the knowledge aspect; mean score 4.00 (SD = 0.62) , the readiness with the mean score of 3.77 (SD = 0.72) and the skills with the mean score of 3.71(SD = 0.82) . Respondents had a perception that the use of PBS SPMP i - GSA system is useful, they know how to use, they are ready and able to use it. This finding indicates that users are very positive about the system being developed but need assistance or trainings in using it.

C. The Presentation Layout of the Design

Table 4: *The Presentation Layout of the Design in PBS SPMP i-GSA System*

KOD	ITEM	FREQUENCY SCALE					MEAN	SD	LEVEL	
		N=47								
		1	2	3	4	5				
DESIGN										
D2	The screen design enables to grab and hold my attention.			3	14	24	6	3.70	0.78	H
D5	The tables/diagrams used are attractive			2	10	27	8	3.87	0.74	H
D11	The menu in the PBS SPMP i-GSA system helps me to go to the correct window option easily.			1	9	29	8	3.94	0.67	H
	TOTAL							3.84	0.64	H
TEXT										
D3	The texts can be read clearly without problem				7	31	9	4.04	0.59	H
D12	The operating procedures in graphic format help me to proceed to the next action.			1	10	28	8	3.91	0.69	H
	TOTAL							3.98	0.52	H
COLOUR										
D4	The choice of color used is suitable and impressive.				8	28	11	4.06	0.64	H
	TOTAL							4.06	0.64	H
INTERACTIVE										
D9	The PBS SPMP i-GSA system make my work easy with the complete instruction manual.			1	12	23	11	3.94	0.76	H
D10	The navigation buttons in the PBS SPMP i-GSA give me option to navigate to other section easily			2	10	24	11	3.94	0.79	H
	TOTAL							3.94	0.75	H
INTERFACE										
D7	The user interface design is easy and efficient to be operated.	1	1	7	27	11		3.98	0.82	H
D8	The user interface design is fully functional and highly motivate me to use the PBS SPMP i-GSA system	1	3	9	25	9		3.81	0.90	H
	TOTAL							3.89	0.60	H
TECHNICAL										
D1	The PBS SPMP i-GSA system can be used easily			2	12	23	10	3.87	0.78	H
D6	The Response period is suitable for the users' needs				8	30	9	4.02	0.61	H
	TOTAL							3.95	0.60	H
OVERALL TOTAL								3.92	0.60	H

Source Field Data

SD Standard Deviation

H High

VH Very High

The findings in Table 4 shows the users' perceptions towards the design of PBS SPMP i -GSA which was generally at a high level with a mean score of 3.92 (SD = 0.60). All items are also at high level between the mean score of 3.70 (SD = 0.78) for the item D4; *The choice of color used is suitable and impressive* showed the highest mean score which is 4:06 (SD = 0.64). If

we look at each element discussed under the design that includes six aspects of the presentation of the design; text, color, interactive, interface, technical, mean scores ranged from 4:06 until 3.84. The highest score is for *the color* with the score of 4:06 min (SD = 0.52), followed by *the text* with the mean score of 3.98 (SD = 0.52), mean score of the technical aspect is 3.95 (SD = 0.60), the interactive with the mean score of 3.94 (SD = 0.75), the interfaces with the mean score of 3.89 (SD = 0.60) and the mean of the design aspect is 3.84 (SD = 0.64). These findings demonstrate that the design of PBS SPMP i-GSA system need to be upgraded to make it more attractive, easy to use, complete with guidelines and able to encourage users to use the system comfortably.

THE IMPLICATION

The technological advancements have provided many advantages and facilities to the people and makes most of the works run smoothly (Tan 2003) . This research found that the analysis results in this research have shown that the perception levels towards the two constructs are in the high classification. The results of this study would provide relevant input to the respective person in the system to make the necessary improvements to strengthen the developed system. The data obtained from this study are preliminary data. Further studies are required to get more information, in gathering more accurate and precise details about the system.

APPRECIATION

The Director (Zulkifli Md. Salleh) and PBS staff as well as the Student Affairs Department Officer, Kota Bharu Polytechnic (Azmi Juadi @ Rosbi, Azmi Ayup & Mohd Faizul Abd. Rahman)

REFERENCES

- Alias Baba. 1999. *Statistik Penyelidikan Dalam Pendidikan Dan Sains Sosial*. Bangi: Penerbitan UKM
- Bahagian Perancangan dan Penyelidikan Dasar Pendidikan. 2006. *Laporan Kajian Penilaian Graduan NPQL*. Putrajaya: Kementerian Pelajaran Malaysia.
- Hall, B. W. 2008. *The New Human Capital Strategy: Improving the Value Of Your Most Important Investment – Year After Year*. Washington: American Management Association. <http://www.never.edu.au/publications/1721/html>.
- Januddin Awang. 2010. *Kesediaan ICT Asas Jurulatih Pusat Latihan Tentera Laut Diraja Malaysia*. Tesis Doktor Falsafah, Fakulti Pendidikan Universiti Kebangsaan Malaysia.
- Kamaruzzaman Ismail. 2012. *Pembangunan dan Penilaian Perisian Bahasa Perancis (Easifrench) Berasaskan Web*. Tesis Doktor Falsafah, Fakulti Pendidikan Universiti Kebangsaan Malaysia.
- Mohd. Majid Konting. 2005. *Kaedah penyelidikan pendidikan*. Kuala Lumpur: Dewan Bahasa dan Pustaka.
- Philip Hallinger. 2010. *Using Faculty Evaluation to Improve Teaching Quality: A Longitudinal Case Study of Higher Education in Southeast Asia*. Springer Science and Business Media. Hong Kong Institute of Education, 22, 253-274.
- Sanguinetti J. 2004 *Generic Skills For Employability: Education Colonisation Or Education Opportunity*. Generic Skills paper for AARE
- Seri Bunian. 2012. *Pengesahan Instrumen Kemahiran Generik: Analisis Faktor Pengesahan*. Journal of Quality Measurement and Analysis JQMA Julai 2012 8 (1) 2012, 111-122.

- Tan, Y. G. 2003. *Educational Web Publishing: Design, Creation and Management*. Singapore: Pearson Prentice Hall.
- Van Dalen , D. P. 1993. *Memahami penyelidikan pendidikan: satu pengenalan, Ed. ke-4*. Terj. Abdul Fatah Abd Malik dan Mohd Majid Konting. Serdang: Penerbitan Universiti Pertanian Malaysia.