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

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### 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

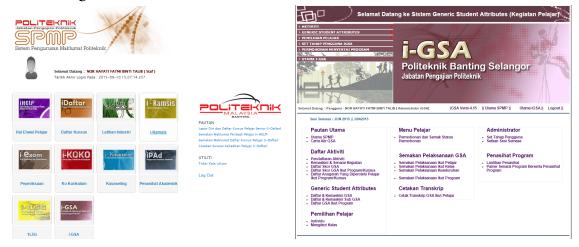
#### The Use of PBS SPMP i-GSA System: The Perception Towards Users' Attitudes and The Design of The System

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

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# The Window for GSA Register, Check and Update

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2	GSA2 GSA3	PEMIKIRAN KRITIS DAN KEMAHIRAN MENYELESAIKAN MASALAH PEMBELAJARAN BERTERUSAN & PENGURUSAN MAKLUMAT	Kemaskini Padam Kemaskini Padam	2 BUSKERPREI	VEUR	Unit Keusahawanan	03 Oct 2015	03 Oct 2015	DATARAN PANTAI MORIE		0
4	GSA4 GSA5	KEMAHIRAN KEUSAHAWANAN MORAL DAN ETIKA PROFESIONAL	Kemaskini Padam Kemaskini Padam	3 KEM BIRO TA	TANEGARA	Unit Ko-Kurikulum	03 Oct 2015		KEM BTN TANJUNG RHU SEPANG		0
8	GSA6 GSA7	KEMAHIRAN KEPINPINAN KEMAHIRAN KEPINPINAN	Kemaskini Padam	4 MALAM PRA-	3RADUASI SESI JUN 2015	Jabatan Penyenggaraan Pesawat	03 Oct 2015	03 Oct 2015	BANTING		0
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3	BIRENDRA KUMAR A/L RAMASAMY	24DAM14F2003			•	0
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5	SURIYAPRAKASH A/L CHANDRAN	24DAM14F2005	-	-	•	•
٥	MUHAMMAD EFFENDI BIN HODRI	24DAM14F2008				
7	MOHAMAD DZULHAIRI BIN MAZLAN	24DAM14F2007	-	-	•	•
8	AZRUL BIN BAIN	24DAM14F2008	-	-		
9	ARISHAND A/L BALAN	24DAM14F2009			•	
10	SYAHRIL BIN MD FADZIL	24DAM14F2010	-	-		
11	MOHAMAD SHAHRIZAL AZWAN BIN AHMAD YANI	24DAM14F2012	-	-	•	0
12	ALIFF FITRI BIN MOHD YUNUS	24DAM14F2013	-	-		
13	DINESH A/L BALAN	24DAM14F2015	-	-	•	•
14	SHATHIESH A/L LOGANATHAN	24DAM14F2016	-	-		
15	MUHAMMAD SHALIHUDDIN BIN JAIDIN	24DAM14F2017			•	•
16	NAILI SYAMMIMI BINTI LUKMAN	24DAM14F2018	-	-		
	MOHAMAD SOLIHIM BIN ROSLI	24DAM14F2019	-		•	•
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## The Window to Elect the Program Advisor & Show Programs/Activities

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

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## The Window to Check the Implementation of GSA

-	Selamat Datang ke Sist	tem Generic S	tudent Attributes (Kegiatan Pelajar)	24	PROGRAM MEMPERKASA USAHAWAN MUDA	04/08/2018	1. ASIAH BINTI YUNOS (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)
-	atang - Pengguna : NOR HAYATI FATMI DINTI TALIB (Administrator in		Versi-4.15    Utama SPMP    Utama iGSA    Logout	20	PROGRAM MEMPERKASA USAHAWAN	04/05/2015	1. ASIAH BINTI YUNOS (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)
-	atang :: Pengguna : NOR HATATI PATMI BINTI TALIB (Administrator P si Semasa : JUN 2015    JUN2015	054 1054	Versi-4, 15    Grania SPMIP    Grania IGSA    EGgour	20	KEM KEMAHIRAN MENYELAMAT	01/05/2015	1. PAHZALIZA BINTI AHMAD AFPANDI (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)
a	kan Program Yang Telah Dilaksanakan Bagi	Sesi JUN 2015		27	PROGRAM CAKNA KREATIF	01/08/2015	1. NIK NOR RAIHAN BTE MD DAUD (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)
	Tiada Calon Pelajar Belum Mengisi Markah Telah Selesai Mengisi Markah			28	CAREER PREPARATORY COURSE	01/08/2015	1. ROHAYU BTE SES (TIADA JAWATAN) 2. SITI MARTINI BINTI MUSTAPHA (TIADA JAWATAN)
	Nama Program	Tarikh Pelaksanaan	Nama Pemilik Program Status Pelaksanaan	29	BENGKEL KREATIF & INOVASI	31/07/2015	1. ROHAYU BTE SES (TIADA JAWATAN) 2. TUAN SYARIFAH ATIFAH BINTI TUAN MAT 2IN (TIADA JAWATAN)
	PROGRAM TEORI DAN PRAKTIKAL PARAMOTOR	29/09/2015 hingga 29/09/2015	1. NORISZA DALILA BINTI ISMAIL (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)	90	BENGKEL APLIKASI STATISTIK PELAJAR SEM 3	30/07/2015	1. MOHD NASIRUDDIN BIN HUSHIM (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)
	PROGRAM ENTREPRENEURSHIP RACE PB201	19/09/2015 hingga 19/09/2015	1. MOHD ZAINI BIN ZAINUDIN (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)	31	BENGKEL KREATIVITI DAN INOVASI	20/07/2015 hingga 07/08/2015	1. NORMASLINA BT JAMIL (TIADA JAWATAN) 2. TUAN SYARIFAH ATIFAH BINTI TUAN MAT 2IN (TIADA JAWATAN)
	PROGRAM BESTARI SOLAT KOLABORASI PBS DAN KKKL	12/09/2015	1. NUR AZMAH BINTI MOHAMAD SALEH (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)	32	KEJOHANAN LIGA HOKI POLITEKNIK KPM 2018	20/07/2015 hingpa 03/05/2015	1. ADAM KHAIRY SIN ABU BAKAR (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)
	KURSUS KEUSAHAWANAN PACKAGING DAN LABELING	12/09/2015	1. MOHD ZAINI BIN ZAINUDIN (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)				1. ADAM KHAIRY BIN ABU BAKAR (TIADA
	KEM ILMU MEDAN PERANG	12/09/2018	1. FAHZALIZA BINTI AHMAD AFFANDI (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)	33	CSR IHVA RAMADHAN PISPA	09/07/2015	2: FAH2XLIZA BINTI AHMAD AFFANDI (TIADA JAWATAN) 3. MOHD ABWAD BIN OTHMAN (TIADA JAWATAN)
	KURSUS MEREKA DESION PACKAGING & LABELING	12/09/2015	1. MOHD ZAINI BIN ZAINUDIN (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)			05/05/2015	1. AINAL KAMALIA BT MOHD RAHIM (TIADA
	PROGRAM TOWARDS REAL GUIDE	11/09/2015 hingps 13/09/2015	1. NIK NOR RAIHAN BTE MD DAUD (TIADA JAVWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)	24	KEM TAHUNAN RELASIS 2015	hingpa 10/06/2015	2. MORAMMAD AZMIN BIN ZAINAL (TIADA JAWATAN) 3. SUZANA BINTI HUSSIN (TIADA JAWATAN)
	ENGINEERING CAREER DAY AND FAIR	05/09/2015	1. ROHAYU BTE SES (TIADA JAWATAN) 2. UMA DEVI AJE NADARAJAH (TIADA JAWATAN)	30	EKSPLORASI PERKONGSIAN KEUSAHAWANAN SISWA " KEUSAHAWANAN PENCENTUS MAHASISAWA BERINOVASI"	02/08/2015 hingge 04/05/2015	1. MOHD ZAINI BIN ZAINUDIN (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)
	BENOKEL ASAS PNEUMATIC & HIDRAULIC	04/09/2015 hingpa 05/09/2015	1. NOOR LIZA WATI BINTI OTHMAN (TIADA JAWATAN) 2. ROMAVU BTE SES (TIADA JAWATAN)	00	EX- FACTOR COMPETITION	02/05/2015 hingga 04/05/2015	1. HUWAINA JASMIN BINTI HUSSIN (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)
	BENGKEL ASAS PNEUMATIC & HYDRAULIC	04/09/2015 hingga 06/04/2015	1. NOOR LIZA WATI BINTI OTHMAN (TIADA JAWATAN) 2. SUZANA BINTI HUSSIN (TIADA JAWATAN) 2. UMA DEVI AP NADARAJAH (TIADA JAWATAN)				Jumlah : Dil Program Tiada Calon Pelaj Jumlah Program Yang Belum Iki Sic Jumlah Program Yang Telah Selesai Isi Sic Jumlah Keseluruban Progra
	BENGKEL ASAS BINA FE PAGE DAN WEB PERNAGAAN	29/08/2015	1. MOHD ZAINI BIN ZAINUDIN (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)		Program Yang Belum D	ilaksanakan Ba	di Sesi JUN 2015
	PROGRAM LAWATAN KE EMKAY	27/08/2015	1. ASIAH BINTI YUNOS (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)	80.	Nama Program	Tarikh	Nama Pemilik Program Statu Pelakaa
	PROGRSM KAU DAN AKU TIADA BEZANYA	22/08/2015	1. NIK NOR RAIHAN BTE MD DAUD (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)	1.0	ENGLISH CAMP CUM EDUCATIONAL TRIP TO SINGAPORE POLYTECHNICS	11/12/2016 hingge 14/12/2015	1. ROHAYU BTE SES (TIADA JAWATAN)
	BERSAMANU AL-QURAN	22/08/2015	1. FAHZALIZA BINTI AHMAD AFFANDI (TIADA JAWATAN) 2. MUHAMMAD SAFWAN B ABDULLAH (TIADA	2	PAMERAN PROJEK KEJURUTERAAN MEKANIKAL	06/10/2015	1. LIM YEE KAI (TIADA JAWATAN) 2. ROSEDHLA BINTI RAMLI (TIADA JAWATAN) 3. SUZANA BINTI HUSSIN (TIADA JAWATAN)
			3. SUZANA BINTI HUSSIN (TIADA JAWATAN) 1. RDHAYU BTE SES (TIADA JAWATAN)	3	BUSKERPRENEUR	03/10/2016	1. MOHD ZAINI BIN ZAINUDIN (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)
	PERTANDINGAN MOBILE ROBOT	17/08/2018	2. UMA DEVI A/F NADARAJAH (TIADA JAWATAN)		KEM BIRO TATANEGARA	03/10/2015	1. FAHZALIZA BINTI AHMAD AFFANDI (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)
	KURSUS USAHAWAN A+	15/08/2015	1. PAHEALIZA BINTI AHMAD APPANDI (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)		MALAM PRA-ORADUASI SESI JUN 2015	03/10/2015	1. NORISZA DALILA BINTI ISMAIL (TIADA
	BENGKEL ADOBE PHOTOSHOP BASIC (IKLAN PRODUK)	15/08/2015	1. MOHD ZAINI BIN ZAINUDIN (TIADA JAWATAN) 2. ROHAYU BTE SES (TIADA JAWATAN)			00/10/2010	2. ROHAYU BTE SES (TIADA JAWATAN)
	KURSUS MEMBUAT PACKAGING DAN LABELING	15/08/2015	1. MOHD ZAINI BIN ZAINUDIN (TIADA JAWATAN) 2. SUZANA BINTI HUSSIN (TIADA JAWATAN)				Jumlah : Dil Program Tiada Calon Pela Jumlah Program Yang Belum Isi Sco Jumlah Program Yang Telah Selecai Isi Sco Jumlah Program Yang Telah Seseluruhan Progr

## The Window to Print Certificates & Transcripts

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7	24DAM12F1004	MEGGAVARMAN A/L RAJENDRAN	CE	TAK CETAK	CETAK
8	24DAM12F1013	MOHAMMAD ZULFAQAR BIN RAMLI	CE	ГАК СЕТАК	CETAK
9	24DAM12F1007	MUHAMMAD ALIF IKMAL BIN MOHD SALIHIN	CE	TAK CETAK	CETAK
10	24DAM12F1002	MUHAMMAD FARID BIN ZAINI	CE	TAK CETAK	CETAK
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BIL	AKTIVITI	JAWATAN	PERINGKAT	ANUGERAH	SESI
1.	ENTREPRENEURSHIP RACE 2014	PESERTA	POLITERNIK		JUN2014
PELAJAR DIAT	AS TELAH MEMERUHI SYABAT MINIMUM BAGI PENLAMA CENERIC STUDENT ATTABUTES (G SA) DAN LAYAK UNTUK DANUGERAHKAN SU	IL G SA			
PENGARAH	KUTU (PA) KAL ZULKIFLIBN MO SALLEH NTING SELANGOR NGOR				

## 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 0961 (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:

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

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

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:

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

Table 2: Respondent Profile

29

Source: Field Study

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

Table 2 shows that, there were 15 respondents (31.9%) from Mechanical Engineering Department, 13 respondents (27.7%) from Aircraft Maintanence Department, 8 respondents (17.0%) from General Studies Department and Mathetamtics, 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
J 8 J	5	5

CODE         ITEM         Itel 2         3         4         5         N         SD         LEVE           THE KNOWLEDGE           All sources in PBS SPMP i-GSA are sufficient to be use in implementing CSA.           A10         Id on to feel burdened using PBS         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           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         10         17         6         3.49         0.93         H           Itere FDS SPMP i-GSA confidently.           A11         therefore I don't stop myself from using 1         2         11         21         12         3.87         0.92         H           THE READINESS           THE READINESS            7         28	CODE	ITEM	FI	REQUE	NCY S	CALE N	=47	MEA	(D		
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       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         A6       PBS SPMP i-GSA       2       1       11       24       9       3.79       0.93       H         A8       I are skillful in using PBS SPMP i-GSA       2       2       10       17       6       3.49       0.93       H         I use PBS SPMP i-GSA       2       2       11       21       21       3.87       0.92       H         I use PBS SPMP i-GSA confidently,       1       2       11       21       21       3.87       0.92       H         the system       TOTAL       371       0.82       H       11       0.63       H       11       12       3.87       0.92       H         A1       The use of PBS SPMP i-GSA case my work in implementing GSA at PBS.       7       28       14       4.11       0.63       H </th <th>CODE</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>Ν</th> <th>3D</th> <th>LEVEL</th>	CODE		1	2	3	4	5	Ν	3D	LEVEL	
A5sufficient to be use in implementing GSA.112883.940.64HA10I on of feel burdened using PBS SPMP i-GSA151018133.791.04HA12I will accept any tasks which involve the use of PBS SPMP i-GSA-524184.280.65VHTOTAL-4.000.62HTHE SULLSA6I feel pleasant and comfortable to use PBS SPMP i-GSA.22201763.490.93HA8I am skillful in using PBS SPM i-GSA22201763.490.92HA11therefore I don't stop myself from using the system12.21121213.670.92HTHE NULLSThe use of PBS SPMP i-GSA case my work in implementing GSA at PBS72.8144.110.63HThe use of PBS SPMP i-GSA does not does not confuse me The use of PBS SPMP i-GSA does not confuse my mind.23171783.550.99HA2The use of PBS SPMP i-GSA system is used in the process of GSA implementation at PBS72.81.44.010.66VHA3The use of PBS SPMP i-GSA enable me to key-in the GSA system is used in teprocess of GSA implementation at PBS252.71.34.090.75HA4more effective with the			IE KN	OWLEI	OGE						
Allo       SPMP i-GSA       I	A5	sufficient to be use in implementing			11	28	8	3.94	0.64	Н	
A12       use of PBS SPMP i-GSA willingly       5       24       18       4.28       0.03       91         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       therefore I don't stop myself from using the system       1       2       11       21       12       3.87       0.92       H         A11       therefore I don't stop myself from using the system       1       2       11       21       12       3.87       0.92       H         A11       therefore I don't stop myself from using the system       1       2       11       21       12       3.87       0.92       H         A1       The use of PBS SPMP i-GSA case my work in implementing GSA at PBS.       7       28       14       4.11       0.63       H         A2       The use of PBS SPMP i-GSA does not confuse my mind.       1       2       19       16       9       3.65	A10		1	5	10	18	13	3.79	1.04	Н	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	A12				5	24	18	4.28	0.65	VH	
A6I feel pleasant and comfortable to use PBS SPMP i-GSA.21112493.790.93HA8I am skillful in using PBS SPMP i-GSA22201763.490.93HA11therefore I don't stop phyself from using the system121121123.870.92HA11therefore I don't stop phyself from using the system121121123.870.92HTHE USE TOTAL2112123.870.92HThe use of PBS SPMP i-GSA case my work in implementing GSA at PBS. The software used in PBS SPMP i-GSA does not confuse me23171783.550.99HA7The use of PBS SPMP i-GSA does not confuse my mind.23171783.550.99HA2The use of PBS SPMP i-GSA system is used in reso fruge soft GSA implementation at to key-in the GSA data properly. The process of GSA implementation at to key-in the GSA data properly. The process of updating my data is SPMP i-GSA.2527134.090.75HA4The use of PBS SPMP i-GSA enable me to key-in the GSA data properly. THE PROCESA122.6683.850.78HA5The use of PBS SPMP i-GSA. to key-in the GSA data properly. THE process of updating my data is SPMP i-GSA.122.6683.850.78HA4The use of PBS SPMP i-GSA <td></td> <td>TOTAL</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4.00</td> <td>0.62</td> <td>Н</td>		TOTAL						4.00	0.62	Н	
A6       PBS SPMP i-GSA.       2       1       11       24       9       5.79       0.93       H         A8       I am skillful in using PBS SPMP i-GSA confidently,       2       2       20       17       6       3.49       0.93       H         A11       therefore I don't stop myself from using       1       2       11       21       12       3.87       0.92       H         A11       therefore I don't stop myself from using       1       2       11       21       12       3.87       0.92       H         A11       therefore I don't stop myself from using       1       2       11       21       12       3.87       0.92       H         A1       The use of PBS SPMP i-GSA ases my       TOTAL       7       28       14       4.11       0.63       H         A7       The software used in PBS SPMP i-GSA       1       2       19       16       9       3.64       0.92       H         A7       The software used in PBS SPMP i-GSA ases my       1       2       3       17       17       8       3.55       0.99       H         A9       The use of PBS SPMP i-GSA system is used in       2       5       27       13<			THE	SKILLS	6						
A11I use PBS SPMP i-GSA confidently, therefore I don't stop myself from using TOTAL121121123.870.92HA1TOTALTOTAL3.710.82HA1The use of PBS SPMP i-GSA ease my work in implementing GSA at PBS.728144.110.63HA7The use of PBS SPMP i-GSA does not confuse me12191693.640.92HA9The use of PBS SPMP i-GSA does not confuse my mind.23171783.550.99HTOTAL728144.110.63HThe use of PBS SPMP i-GSA does not confuse my mind.12191693.640.92HTOTAL728144.110.63HTHE USEFUENESEThe use of PBS SPMP i-GSA does not confuse my mind.123171783.550.99HThe PBS SPMP i-GSA system is used in the process of GSA implementation at PBS.625164.210.66VHA3The use of PBS SPMP i-GSA enable me to key-in the GSA data properly. The process of updating my data is More effective with the use of PBS1122683.850.78HA4MOVERALL TOTAL4.050.62HOVERALL TOTAL4.050.62HOVE	A6	•	2	1	11	24	9	3.79	0.93	Н	
A11therefore I don't stop myself from using the system121121123.870.92HTOTAL3.710.82HTOTAL3.710.82HTHE READINESSA1The use of PBS SPMP i-GSA ease my work in implementing GSA at PBS.728144.110.63HA7The software used in PBS SPMP i-GSA does not confuse me confuse my mind.12191693.640.92HA9The use of PBS SPMP i-GSA does not confuse my mind.23171783.550.99HTOTAL728144.110.63HA9The use of PBS SPMP i-GSA does not confuse my mind.23171783.550.99HTOTALTOTAL571693.640.92HA2The PBS SPMP i-GSA system is used in the process of GSA implementation at PBS.625164.210.66VHA3The use of PBS SPMP i-GSA enable me to key-in the GSA data properly.2527134.090.75HA4more effective with the use of PBS1122683.850.78HOVERALL TOTAL4.050.62HSPMP i-GSA.4.050.62HSPMP i-GSA.55623	A8		2	2	20	17	6	3.49	0.93	Н	
TOTAL3.710.82HTHE READINESSA1The use of PBS SPMP i-GSA ease my work in implementing GSA at PBS.728144.110.63HA7The software used in PBS SPMP i-GSA does not confuse me confuse my mind.12191693.640.92HA9The use of PBS SPMP i-GSA does not confuse my mind.23171783.550.99HA2The PBS SPMP i-GSA system is used in PBS.THE USEFULNESS3.770.72HA2the process of GSA implementation at pBS.625164.210.66VHPBS.The use of PBS SPMP i-GSA enable me to key-in the GSA data properly. The process of updating my data is SPMP i-GSA.12527134.090.75HA4more effective with the use of PBS1122683.850.62HA4more effective with the use of PBS1122683.850.62HA4MOVERALL TOTAL4.050.62H10.66HA4MOVERALL TOTAL4.050.62HA5MOVERALL TOTAL4.050.62HA6MOVERALL TOTAL4.050.62HA6MOVERALL TOTAL4.050.62HA7MOVERALL TOTAL4.050.62HA6MOVERALL TOTAL4.050.64H <td>A11</td> <td>therefore I don't stop myself from using</td> <td>1</td> <td>2</td> <td>11</td> <td>21</td> <td>12</td> <td>3.87</td> <td>0.92</td> <td>Н</td>	A11	therefore I don't stop myself from using	1	2	11	21	12	3.87	0.92	Н	
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A9       confuse my mind.       2       3       17       17       8       3.55       0.99       H         TOTAL       3.77       0.72       H         THE USEFULNESS         THE USEFULNESS         A2       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       more effective with the use of PBS       1       12       26       8       3.85       0.78       H         SPMP i-GSA.         TOTAL       4.05       0.62       H         A4       more effective with the use of PBS       1       12       26       8       3.85       0.78       H         SPMP i-GSA.         TOTAL       4.05       0.62       H         Source       Field Data         SD       Standard Deviation         High	A7	The software used in PBS SPMP i-GSA	1	2	19	16	9	3.64	0.92	Н	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	A9		2	3	17	17	8	3.55	0.99	Н	
THE USEFULNESS The PBS SPMP i-GSA system is used inA2the process of GSA implementation at PBS.625164.210.66VHA3The use of PBS SPMP i-GSA enable me to key-in the GSA data properly. The process of updating my data is2527134.090.75HA4more effective with the use of PBS1122683.850.78HSPMP i-GSA.TOTAL4.050.62HOVERALL TOTAL3.880.64HSourceField DataSDStandard DeviationHHHigh		•						3.77	0.72	Н	
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A3       to key-in the GSA data properly. The process of updating my data is       2       5       27       13       4.09       0.75       H         A4       more effective with the use of PBS       1       12       26       8       3.85       0.78       H         SPMP i-GSA.       TOTAL       4.05       0.62       H         OVERALL TOTAL       3.88       0.64       H         Source       Field Data         SD       Standard Deviation         H       High	A2	the process of GSA implementation at			6	25	16	4.21	0.66	VH	
The process of updating my data is       12       26       8       3.85       0.78       H         A4       more effective with the use of PBS       1       12       26       8       3.85       0.78       H         SPMP i-GSA.       TOTAL       4.05       0.62       H         OVERALL TOTAL       3.88       0.64       H         Source       Field Data       Standard Deviation         H       High       H       H	A3			2	5	27	13	4.09	0.75	Н	
TOTAL4.050.62HOVERALL TOTAL3.880.64HSourceField DataSDStandard DeviationHHigh	A4	The process of updating my data is more effective with the use of PBS	1		12	26	8	3.85	0.78	Н	
OVERALL TOTAL3.880.64HSourceField DataSDStandard DeviationHHigh								4.05	0.62	Н	
Source Field Data SD Standard Deviation H High			AL					3.88		Н	
SD Standard Deviation H High						Sour	re l	Field Da	ta	·a	
H High											
8									a Deviation		
VH Very High								U			
						VH	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)

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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.

KOD	ITEM	FR	FREQUENCY SCAL N=47				MEAN	SD	LEVEL
		1	2	3	· 4	5		02	
	DESIGN	1							
D2	The screen design enables to grab and hold my attention.		3	14	24	6	3.70	0.78	Н
D5	The tables/diagrams used are attractive		2	10	27	8	3.87	0.74	Н
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	Н
	TOTAL						3.84	0.64	Н
	TEXT								
D3	The texts can be read clearly without problem			7	31	9	4.04	0.59	Н
D12	The operating procedures in graphic format help me to proceed to the next action.		1	10	28	8	3.91	0.69	Н
	TOTAL						3.98	0.52	Н
	COLOU	R							
D4	The choice of color used is suitable and impressive. TOTAL			8	28	11	4.06 4.06	0.64 0.64	H H
	INTERACT	IVE							
D9	The PBS SPMP i-GSA system make my work easy with the complete instruction manual.		1	12	23	11	3.94	0.76	Н
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	Н
	TOTAL						3.94	0.75	Н
	INTERFA	CE							
D7	The user interface design is easy and efficient to be operated.	1	1	7	27	11	3.98	0.82	Н
D8	The user interface design is fully functional and highly motivate me to use the PBS SPMP i-GSA	1	3	9	25	9	3.81	0.90	Н
	system						2.00	0.60	
	TOTAL TECHNIC	TAT					3.89	0.60	Н
D1	The PBS SPMP i-GSA system can be used easily	AL	2	12	23	10	3.87	0.78	Н
D1 D6	The Response period is suitable for the users' needs		2	12 8	23 30	9	4.02	0.78	Н
20	TOTAL			0	50	,	4.02 3.95	0.60	H
	OVERALL TOTAL						3.92	0.60	H
					C	т			
							Field Dat		
					SD	Standard Deviation			
					Η	Hi	igh		

## C. The Presentation Layout of the Design

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

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 Faidzul Abd. Rahman)

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