

CONSTRUCTION AND VALIDATION OF DECISION MAKING SKILL SCALE

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Abstract : The Investigator evaluated the reliability and validity of a tool for measuring decision making skill. The investigator preparing tool was dimensions vice. Investigator has developed the preliminary form of decision making skill scale for B.Ed students with 47 statements the investigator take care to avoid ambiguity and repetition of the statement. The preliminary form of decision making scale for given subject experts they are requested to check the clarity of statements and its appropriateness of the languages on the basis of criticisms and suggestion were reamed and 37 statements integrated. The investigator conducted a pilot study for establishing the qualities of a good tool. The scale was administrated to the too randomly sample of B.Ed students investigator collected data. The decision making skill tool has been constructed and validate.

Keyword : *Desiccation Making Skill, Investigator, Validity, B.Ed, Students.*

I. Introduction

A pilot study, pilot project or pilot experiment is a small scale preliminary study conducted in order to evaluate feasibility, time, cost, adverse events, and effect size in an attempt to predict an appropriate sample size and improve upon the study design prior to performance of a full scale research project. Pilot studies may not be appropriate for case studies. A pilot study is a mini –version of full scale study or a trial run done in preparation of the complete study. The latter is also called “feasibility” study. It can also be a specific pre- testing of research instruments, including questionnaires or interview schedule. The pilot study will thus follow after the researcher has a clear vision of the research topic and questions, the techniques and methods which will be applied, and what the research schedule will look like. It is “reassessment without tears”, trying out all research techniques and methods, which the researcher have in mind to see how well they will work in practice.

II. Decision Making Skill Meaning and definition

Decision making is a key skill I the workplace and is particularly important if you want to be an effective leader. Whether your deciding which parson to bire, which supplier to use, or which strategy to pursue, he ability to make a good decision with available to make a good decision with available information is vital.

The very problem situation involves the development of critical thinking competence, which is vital for any decision making the PBL teaching method aims at the acquisition by students of analytical knowledge and problem solving skills, which in turn offen require an ability to works as an effective member team.

Gresch, Helge, Hasselhorn, Marcus International journal in Education (2013)In this respect, well- structured decision-making processes are essential for elaborate reasoning foster decision –making competence, a computer based.

Stewart, David (2017) unprecedented rapidity of change occurring throughout the higher education sector linked to student mobility driven globalization momentum reinforces the benefits of attracting and cultivating the strongest students to contribute diversity of thought to leaning environments. Decision making is the process of identifying and selecting a course of action to Solve a specific problem.

III. Operational Definition of Decision Making Skill

The Operation definitions is the definition about variable that how it will be operated in the research.

Decision Making Skill

It is a ability of In Individual for among decision in fruitful way. The investigator defines decision making skill as.

IV. Identifying the Dimensions of Decision Making Skill

Students are face with a multitude of decision as consumers and in societal debates.

- ❖ Personality Decision Making Skill
- ❖ Self Determination Decision Making Skill
- ❖ Learning Disabilities Decision Making Skill
- ❖ Understand Strength and Weakness Decision Making Skill
- ❖ Socialization Decision Making Skill

The above said dimensions are explained briefly and as given below:

Personality

Decision making plays vital role in life of students. It diverts the students from falling into the trap that manages the students and save their career life the ability to distinguish between choice and needs, plays a vital role in the life of students. It promotes self determination on how to make good decisions and choices. Here are few strategies that are to be followed while taking decision they are as follows.

Self -determination

Self determination is a combination of knowledge belief, skills that enable students to become goal directed autonomous behaviour and even self regulated. This is enhanced with knowing and valuing one self, planning cutting, experiencing and learning from the outcomes.

Learning disabilities

These learning disabilities are experienced by the students for which they have to acknowledge the available resources. They should try to disclose their weakness with the concerned member as they may by to help the students.

Understanding strengths and Weakness

If the student is capable of understanding the strengths and weakness then they must try to make effective decisions and an alternative method to obtain it.

Socialization Skills

Socialization skills are usually decided learned from special education or through individual tutoring methods. Majority of students fails in effective decision making skills helps in understanding and learning the skills of making different alternatives. Those instructions enable the students to make them learn infused counseling of various programs, dealing with academic support classes the includes extra – curricular activities. This instruction provides effective choices for figuring the disabilities with the students.

V. Construction of Decision Making

Scale construction is a complex task to the investigator. It may be extended to several steps. They are

- ✓ Planning
- ✓ Preparation for preliminary forms
- ✓ Pre try out
- ✓ Editing
- ✓ Pilot study
- ✓ Item analysis
- ✓ Preparation for final form

Planning

The first and essential step of the term analysis is planning. In this step the investigator has deducted the dimension in which item could be prepared. The dimension are Personality, Self Determination, Learning Disability, Understanding strength and weakness, socialization Skills.

Preparation of Preliminary Form

Investigator has developed the preliminary form of Decision Making Skill Scale for B.Ed Students with 47 statement the investigator takes care to avoid ambiguity and repetition of the statements. Every statement hold five graded points such as “Always, Sometimes, Never and Nothing. Scoring for the positive statements, 3, 2, 1, 0 and for the negative statements the reverse of the score given as 1,2,3,0. 3for Always, 2 for Sometimes, 1 for Never and 0 for Nothing to Say. 1 for Never, 2 for Sometimes, 3 for always and 0 for Nothing to say.

Pre- tryout:

The preliminary form of Decision Making scale for high school was Given to the subjects experts in the field of education and psychology and the teachers. They are requested to check the clarity of statements and its appropriateness of the language .Based on their suggestions, the research tool was further edited and they are explained below.

Editing

Soliciting the response of the teachers at the pre try out stage, the editing of the developed research tool was partially completed. On the basis of criticisms and suggestions of the subject experts the 10 statements were removed and 37 statements integrated. The Preliminary Draft of Decision Making Skill is given below.

Table No.1

The preliminary draft of decision making skill

t. vz;	Şw;W	vg;nghjk;	vg;NghjhtJ	xU Nghjk; ,y;ly	Xd;Wk; ŞWtjw;F ,y;ly
1.	KbT vLf;Fk; nraYf;F Kd;du; gpur;ridapd; cz;ik epiyia mwpNtd;				
2.	KbTfs; vLg;gjw;F ed;F tiuaWf;fg;gl;l nray;ghLfis gpd;gw;WNtd;.				
3.	Kbit ehd; vLf;f Ntz;Lk; vd vz;zk; nfhz;ltd;.				
4.	Nju;T KbTfisf; fz;L tUe;jhky; tho;f;iff;F Njitahd KbTfis vLg;Ngd;.				
5.	Vjpu;fhyj;ij epidj;J gag;glkhl;Nld;.				
6.	#o;epiyf;F Vw;g Kbit vLg;Ngd;.				
7.	vLf;Fk; Kbtpy; ntw;wp fhz Ntz;Lk; vd;w vz;zk; nfhz;ltd;.				
8.	#o;epiyia fUj;jpy; nfhz;L Kbit khw;wpaikg;Ngd;.				
9.	vLf;Fk; Kbit clNd eilKiwg;gLj;j Kw;gLNtd;.				
10.	KbT vLg;gjpy; kw;wtu;fis <LgLj;j khl;Nld;.				
11.	vdJ nrhe;j mDgtj;jpd; mbg;gilapy; gpur;ridf;fhd rupahd jPu;it fz;lwpNtd;.				
12.	KbT vLg;gjw;F Kd;du; gy;NtW mDkhdq;fis fUj;jpy; nfhs;Ntd;.				
13.	Kbtpw;fhd mbg;gilf; fhuzq;fSf;F mjpf Kf;fpaj;Jtk; mspg;Ngd;.				
14.	KbT vLg;gjpy; Neu;ikAld; nray;gLNtd;.				
15.	vdJ mDgt mwpit nfhz;L jpwk; tha;e;j jPu;Tfis ngWNtd;.				
16.	vdJ Kbtpy; nfhz;L ntw;wp tpUk;GNtd;				
17.	vdJ Kbtpy; ,lu;ghL te;jhy;; kdKwpT milahky; mij mila Kaw;rpg;Ngd;.				

18.	vdJ Kbtpd; gpd;Gyj;ij Jy;ypakhf gupkhwpf;nfhS;Ntd;.				
19.	vdJ MSik gz;Gfspd; %yk; rpwe;j KbTfis ngWNtd;.				
20.	vdJ Kbit rpf;fy; Vw;gLj;jthW mik;Ngd;.				
21.	xU gpur;rpidf;fhd KbT vLf;Fk; Kd;du; mg;gpur;ridf;F njhlu;ghd gy topfis kjpg;gPl;L KbT vLg;Ngd;.				
22.	rpv rkaq;fspy; vdJ KbTfspd; cz;ik epiyia fz;L tpag;Ngd;.				
23.	KbT vLj;j gpd;du; mk;KbitNa ,Wjp vd;Ngd;. Vnddpy; vd;Dila KbT vLj;jy; nrayhdJ rupahdjhFk;.				
24.	gpur;ridapd; cz;ik epiyapd; mbg;gilapy; KbTvLg;Ngd;.				
25.	KbT vLg;gjpy; gpwu; kdk; ghjpf;fg;gLk; vd;gij fUj;jpy; nfhs;skhl;Nld;.				
26	vjpu;fhy NjitfSf;F Vw;g KbT vLg;Ntd;.				
27	Jzpr;ryhd KbTfis vLg;Ngd;.				
28	gpur;ridapd; midj;J nray;ghLfisAk; A+fpj;J KbTfis ngWNtd;.				
29	vdJ Kbtpy; re;Njfk; Vw;gl;lhy; gpur;ridf;fhd mDkhdq;fis Muha;e;J ghu;g;Ngd;.				
30	Rakhf rpe;jid nra;J KbT vLg;Ngd;.				
31	KbTfis Muha;e;J rup nra;Ntd;.				
32	KbT ngwkhy; Kaw;rpia iftplkhl;Nld;.				
33	jpl;lkpl;l nray;gl;L KbTfspy; ntw;wp ngWNtd;.				
34	ve;j KbTitAk; gy Nfhzq;fspy; Muha;e;J jPu;T fhz;Ngd;.				
35	KbTfis ngWtjw;fhd topKiwfis jpl;lkpl;LNgWNtd;.				
36	,lu;ghL Vw;gl tz;zk; jpl;lkpl;L nray;gLNdtd;.				
37	ve;j #oiyAk; fl;Lg;ghl;by; itj;jpUf;f KbT nra;Ntd;				
38	gbf;Fk; fhyj;ij rpwg;ghf Kbf;f jpl;lkpl;L nray;gLNdtd;.				
39	vdJ KbTit ntspg;gLj;Jk; Kd;du; mjw;fhd jpl;l;ij cUthf;fp nfhs;Ntd;.				
40	vdJ KbT \$Wk; NghJ mjw;fhd rupahd fhuzj;ij epUgpg;Ngd;.				
41	KbT vLg;gjw;F NghJkhd Neuk; nrytopg;Ngd;.				
42	jPu;T vLg;gjpy; ghypd NtWghl;il fUj;jpy; nfhs;skhl;Nld;.				
43	KbT vLg;gjpy; fUiz>md;G Nghd;w fhuzq;fSf;F ,lk; mspf;fhky; epiyahdtdhf ,Ug;Ngd;.				
44	rf cWg;gpdu;fsha; cs;stu;fSld; fye;Jiuahb KbT vLg;Ngd;.				
45	#o;epiyf;F Vw;g KbTfis eilKiwg;gLj;JNdtd;.				
46	midj;J KbTfis jd;dpr;irahf KbT vLg;Ngd;.				
47	KbTfis vLg;gjw;F Kd;G Mo;e;J rpe;jpg;Ngd;				

Pilot study

The investigator conducted a pilot study for establishing the qualities of a good tool. The scale was administered to the 100 randomly sample of B.Ed Students in Thanjavur district of Tamilnadu. The B.Ed Students were requested to mark their responds against the statements of Decision Making Skill scale and the investigator assured that the responses will be used for research purpose and it will be confidential. There was no time limit for responding but anymore can answer the statement of the scale with 55 to 60 minutes. The responded were collected and scored.

Item analysis

The Decision Making Skill scale is interval scale. Thus the investigator has used, to test for item selection. According to Edward (1965), the item value greater than 1.75 were retained and lower the critical value were rejected (cited in kamatchi,2013)The status of the items are given in the following table 2.

Table No 2
Item Analysis of Decision Making Skill scale

Dimensions	No. of Item Preliminary Forms	't' value	Item no in the final form	Results	New Item No. of Final Draft
Personality	1.	6.138	1	Retained	Positive
	2.	4.50	2	Retained	Positive
	3.	0.17	-	Rejected	Negative
	4.	1.88	3	Retained	Positive
	5.	2.50	4	Retained	Positive
	6.	4.51	5	Retained	Positive
	7.	3.44	6	Retained	Positive
	8.	3.69	7	Retained	Positive
	9.	1.80	8	Retained	Positive
	10.	2.36	9	Retained	Negative
Self Determination	11.	0.31	-	Rejected	Positive
	12.	3.11	10	Retained	Positive
	13.	5.21	11	Retained	Positive
	14.	2.62	12	Retained	Positive
	15.	1.76	13	Retained	Positive
	16.	0.93	-	Rejected	Positive
	17.	5.11	14	Retained	Positive
	18.	5.04	15	Retained	Positive
	19.	1.92	16	Retained	Positive
	20.	2.11	17	Retained	Positive
Learning Disability	21.				
		2.72	18	Retained	Positive
	22.	4.66	19	Retained	Positive
	23.	1.62	-	Rejected	Negative
	24.	1.03	-	Rejected	Positive
	25.	1.97	20	Retained	Negative
	26.	2.53	21	Retained	Positive
	27.	3.11	22	Retained	Positive
	28.	4.56	23	Retained	Positive
	29.	0.97	-	Rejected	Positive
Understanding Strength and Weakness	30.	1.77	24	Retained	Positive
	31.				
		0.12	25	Rejected	Positive
	32.	3.11	-	Retained	Positive
	33.	4.62	26	Retained	Positive
	34.	1.72	27	Rejected	Positive
	35.	1.82	-	Retained	Positive
	36.	1.92	28	Retained	Positive
37.	2.62	29	Retained	Negative	

	38.	2.01	30	Retained	Positive
	39.	1.63	31	Rejected	Positive
	40.	5.44	-	Retained	Positive
	41.	1.89	32	Retained	Positive
Socialization Skills					
	42	2.50	33	Retained	Positive
	43	1.40	-	Rejected	Positive
	44	3.66	34	Retained	Positive
	45	1.98	35	Retained	Positive
	46	3.12	36	Retained	Negative
	47	4.66	37	Retained	Positive

Preparation of final Draft

After item analysis the 37 items were retained for final tool of Decision Making Skill Scale.

Table No 3

Final Form of Decision Making Skill Scale.

S .NO	Dimension of Decision Making	Number of Items
1	Personality	1 to 10 (3 Rejected)
2	Self Determination	11 to 20 (11, 15 Rejected)
3	Learning Disability	21 to 30 (23,24,29 Rejected)
4	Understanding Strength and Weakness	31 to 41 (31, 34,39 Rejected)
5	Socialization Skills	42 to 47 (43 Rejected)
Total		37

The Final form of Decision Making is given below table

Table No. 4

Final Draft of Decision Making Skill Scale

t. vz;	Şw;W	vg;ngghJK;	vg;NghJhtJ	xU NghJK; ,y;Y	Xd;Wk; ŞWtjw;F ,y;Y
1.	KbT vLf;Fk; nraYf;F Kd;du; gpur;ridapd; cz;ik epiyia mwpNtd;				
2.	KbTfs; vLg;gjw;F ed;F tiuaWf;fg;gl;l nray;ghLfis gpd;gw;WNtd;.				
3.	Nju;T KbTfisf; fz;L tUe;jhky; tho;f;iff;F Njitahd KbTfis vLg;Ngd;.				
4.	Vjpu;fhyj;ij epidj;J gag;glkhl;Nld;.				
5.	#o;epiyf;F Vw;g Kbit vLg;Ngd;.				
6.	vLf;Fk; Kbtpy; ntw;wp fhz Ntz;Lk; vd;w vz;zk; nfhz;ltd;.				
7.	#o;epiyia fUj;jpy; nfhz;L Kbit khw;wpaikg;Ngd;.				
8.	vLf;Fk; Kbit clNd eilKiwg;gLj;j Kw;gLNtd;.				
9.	KbT vLg;gjpy; kw;wtu;fis <LgLj;j khl;Nld;.				
10.	KbT vLg;gjw;F Kd;du; gy;NtW mDkhdq;fis fUj;jpy; nfhs;Ntd;.				
11.	Kbtpw;fhd mbg;gilf; fhuzq;fSf;F mjpf Kf;fpaj;Jtk; mspg;Ngd;.				
12.	KbT vLg;gjpy; Neu;ikAld; nray;gLNtd;.				
13.	vdJ mDgt mwpiit nfhz;L jpwk; tha;e;j jPu;Tfis ngWNtd;.				
14.	vdJ Kbtpy; ,lu;ghL te;jhy;; kdKwPT milahky; mij mila Kaw;rpg;Ngd;.				
15.	vdJ Kbtpd; gpd;Gyj;ij Jy;ypakhf gupkhwpf;nfhs;Ntd;.				
16.	vdJ MSik gz;Gfspd; %yk; rpwe;j KbTfis ngWNtd;.				
17.	vdJ Kbit rpf;fy; Vw;gLj;jthW mikg;Ngd;.				
18.	xU gpur;rpidf;fhd KbT vLf;Fk; Kd;du; mg;gpur;ridf;F njhlu;ghd gy topfis kjpg;gPl;L KbT vLg;Ngd;.				
19.	rpy rkaq;fspy; vdJ KbTfspd; cz;ik epiyia fz;L tpag;Ngd;.				
20.	KbT vLg;gjpy; gpwu; kdk; ghjpf;fg;gLk; vd;gij fUj;jpy; nfhs;skhl;Nld;.				
21.	vjpu;fhy NjitfSf;F Vw;g KbT vLg;Ntd;.				
22.	Jzpr;ryhd KbTfis vLg;Ngd;.				
23.	gpur;ridapd; midj;J nray;ghLfisAk; A+fpj;J KbTfis ngWNtd;.				
24.	KbTfis Muha;e;J rup nra;Ntd;.				
25.	KbT ngwkhy; Kaw;rpia iftplkhl;Nld;.				
26.	jpl;lkpl;l nray;gl;L KbTfspy; ntw;wp ngWNtd;.				
27.	KbTfis ngWtjw;fhd topKiwfis jpl;lkpl;LngWNtd;.				
28.	,lu;ghL Vw;gl tz;zk; jpl;lkpl;L nray;gLNtd;.				
29.	ve;j #oiyAk; fl;Lg;ghl;by; itj;jpUf;f KbT nra;Ntd;				
30.	gbf;Fk; fhyj;ij rpwg;ghf Kbf;f jpl;lkpl;L nray;gLNtd;.				
31.	vdJ KbT ŞWk; NghJ mjw;fhd rupahd fhuzj;ij epUgpg;Ngd;.				
32.	KbT vLg;gjw;F NghJkhd Neuk; nrytopg;Ngd;.				
33.	jPu;T vLg;gjpy; ghypd NtWghl;il fUj;jpy; nfhs;skhl;Nld;.				
34.	rf cWg;gpdu;fsha; cs;stu;fSld; fye;Jiuahb KbT vLg;Ngd;.				
35.	#o;epiyf;F Vw;g KbTfis eilKiwg;gLj;JNtd;.				
36.	midj;J KbTfis jd;dpr;irahf KbT vLg;Ngd;.				
37.	KbTfis vLg;gjw;F Kd;G Mo;e;J rpe;jpg;Ngd;				

Qualities of the Decision Making Skill Scale:

The Qualities of the Decision Making Skill Scale is described below.

Validity

For finding the face validity the investigator has sent the tool to two associate professors in education and one school teacher who possesses M.Ed degree, and the suggestive alteration were made in the tool As directed by the subject experts. So the Decision Making tool has face validity.

Scoring procedure

Table no 1.3

Scoring Procedure of Decision Making Scale.

S.No	Item type	Scoring Procedure
1	Positive items	3for Always, 2 for Sometimes, 1 for Never and 0 for Nothing to Say
2	Negative items	1 for Never, 2 for Sometimes, 3 for always and 0 for Nothing to say

Conclusion

The Decision Making Skill tool has been constructed and validated by the Investigator & Research Supervisors.

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