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Analyzing the Content of Management Styles, Emotional Intelligence and Personality of Nursing Students Using MCDM DEMATEL

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Abstract

Nurse managers supervise fellow nurses They do, and the working conditions are safe They make sure to stay healthy, too As nurses develop professionally Helps focus patient care Contributes to the sense of teamwork. To be an effective leader, it is not enough to have Technical skills to perform the job. An Important management skills for a manager When not, a team has low morale and May be affected by demonic possession. Managing a Team performance reviews and Rather than being people managers a lot. Management skills include business planning, decision making, problem solving, communication, Delegation and time management an inclusive set of skills. Nurse Management is the provision of care to patients while maintaining best practices and organization of leading groups and nursing departments is the process. In which Decision Making Test and Evaluation Laboratory (DEMATEL) of complex system components a cause-and-effect chain is considered correct One of the best to identify. It values relationships Interdependence between factors and identification through visual structural modeling Important to see. Alternative: Time planning scores, Time attitude scores, Time spender scores, Total time management skill scores, State anxiety. Evaluation Preference: Time planning scores, Time attitude scores, Time spender scores, Total time management skill scores, State anxiety. The result it is seen that State anxiety is got the first rank where as is the Time attitude scores is having the lowest rank. The value of the dataset for Management skills in nursing in Test and evaluates decision making the lab shows that it results in State anxiety and top ranking.

Keywords:

Introduction

In this study, two groups were compared Effectiveness of CNA behavioral skills and in the behaviors of residents to improve Detailed behavior and assessment of consequences Effectiveness of management skills training program to assess. Each group received the same skill training. [1] Financial management of nurse managers in Ghana Limited data on the Ghanaian context to establish capabilities and contains research information. Nursing in Ghana Some studies to establish the important role of managers failed and their financial competence. [2] Essential to Nurses' Effectiveness of management skills expressed as skills Experience of teaching-learning process in development We can highlight a related study. Processes, Decision Making and Management. In more recent research, nursing management skills The authors pointed out the importance of establishing curriculum, [4] Based on this fact, focusing Turkish Nursing and Midwifery Students, Temp Management skills and age, gender and between factors such as anxiety levels Understand the relationship and thereby time management Making further recommendations on [5] Education Management of projects for these candidates Focusing not only on skills, but Essential to effective leadership People skills should also be improved. [6] The use of full-scale simulation to improve the work organization and people management skills required of nurses to be effective in the workplace has rarely been reported or described in sufficient detail to enable replication. [7] Consensus decision-making skills, communication and negotiation skills, conflict management skills and team leadership skills are essential for successful teamwork. PBL School integrates communication skills training in every institution [8] Critical thinking skills of nursing students are important With commercially developed tools measured. California Critical Thinking Inventory, California Critical Thinking Skills Test and Watson - Glaser Critical Thinking Appraisal in Literature Mainly cited. In [9]. the Current article, in Nursing in an Australian context Issues faced by management education providers And the challenges we reflect, and this Current trends and challenges imperatives. [11] Believing that personality is Conflict Management Strategies in a Romantic Relationship Compatibility affected the use, For example, people who believe that personality is immutable They are less vocal. conflict [12]. Time planning scores: A planar assembly takes and one-step A strong two-hander using translations A robust assembly providing assembly line We present a scheduling (RAP) algorithm.RAP also considers non-linear assembly operations. Time attitude scores: We Internal consistency, factor structure, and age invariance conducted the analyses. Findings, ATI-TA is a A theoretical six-factor structure, in different stages of adulthood Also gives reliable scores with adults indicates that Based on this evidence, ATI-TA is an adolescent and adult may be considered as the time of existence attitude scale. Time spender scores: Materialism with impulse buying positively related to money they also find that saving is negatively related Found:

Thus, large spenders were more impulsive and fewer spendthrifts were less. Money security with negative attitudes towards debt Related, and its effect on materialism it was especially strong for the low. Total time management skill scores: In fact, we only know of two sizes published in Britain and ese Post-teachers students' time management This widespread neglect of skills pointing out Time management is They are a skill that can be taught to students consider. State anxiety: The CSAI-2 is a 27-item inventory, which Cognitive state anxiety, physiological state anxiety and Self-efficacy in competitive setting measures. Credentials CSAI-2 proven Predictive validity is internally reliable is a tool.

Materials and methods

Attempts to present an index of factors influencing Management Performance of Expressway Construction Project and the symbolic method by the Dematel Research Method Upgrading. Expressway Construction Project Major Factors Affecting Managerial Performance to find out. [1] A method used Many industries and companies called DEMATEL is called economic and social value chain Identify important factors for moving This method was originally developed by Vehicle Factors affecting industries like It is used for identification [2]. Combine DEMATEL with Descriptive Structural Modeling (ISM). Logical relationships in failure subsystems intuitively represent a multilevel hierarchy System, one failure results in another failure Determines and deep failure subsystem identifies. [3] To improve the TYPE OF RESEARCH WHEN USING THE DEMATEL METHOD Another is expressed in two aspects a significant area is: collection of assessment information and Determination of limits. In this study, the magnitude of the impact HFLTS is used to collect; K-mediods clustering A subjective determination of the algorithmic threshold is substituted for this Instead of this, the standard setting structure, and the influence relationship is extended to more than two categories. [4] Demonstrate relationships between factors and the type and basis of relationships of their effects on each other's criteria Prioritize intensity. In addition, hybrid The most advantage of Fuzzy DEMATEL is that Considering the degree of ambiguity, It is also about dealing with ambiguity flexibly. [5] However, the DEMATEL instrument interscales Expresses relationship and type of relationships and Based on a critique of their implications gives priority. ISM is their bias and driving force Creates relationships through, but not through significance [6]. DEMATEL Method and Bayesian Network Bayesian To configure a combination of network structures Lays a solid foundation. This is the method A traditional Bayesian network architecture various properties and Improves scientific character. [7] Practical for visualizing A system of complex causal relationships and a system Clarify the essentials. It is Digraf and One based on matrix theory Systematic, and many other factors are cause and effect has the ability to divide into groups. to the system Analysis of direct and indirect relationships between By doing components, DEMATEL can obtain a better way to solve interrelated problems.[8]. Modified-DEMATEL method and fuzzy set theory MCDM used as tools. End makers use their past experiences and they tend to make judgments based on knowledge, and their assessments are often equally linguistic expressed in words. [9]. Actual data sourced from Indian GST DEMATEL in designing the hybrid method for the set Focus on approach and project outcome A software system for estimating factors is provided. [10] Lack of research that provides a quantitative understanding of the interactions between complex variables expressed. Construction projects. Experimentation and evaluation of decision-making in this research gap can be filled using the lab. The DEMATEL method is structured in complex causal relationships has become a popular method of visualization format. [1] For outsourcing to a telecom company A Fuzzy Integrated Multi-Criteria Decision Maker method, DEMATEL and Fuzzy ANP multi-criteria Evaluation using decision making techniques and Determining. For the specified key criteria to present the relationship between then, sub-criteria and local weights of the subscales causal-effect Based on relationships are computed by Fuzzy ANP approach. Revealed by DEMATEL method. [2]. When constructing In any strategy map, preferences are assigned among objectives Not necessarily crisp, and the domain of experts in an ambiguous environment It is very significant that knowledge can be extracted, and then such An extended fuzzy DEMATEL is proposed to handle ambiguities.[3] The DEMATEL technique now not best creates a correlation between each thing / criterion, but also the accuracy of the influence. Also used to benefit weight. Traditional ANP solves interdependent problems and is unbiased of functions (or so-known as dimensions), best in phrases of factors / standards. Therefore, we use those fundamental ANP ideas as a platform and with DEMATEL Together we resolve those issues when creating the shape of the trouble all interactions among elements in clusters are evaluated the use of paired comparisons. Objective Super-Matrix You can use the DEMATEL approach to create a community relationship map to create. Therefore, in keeping with the ANP's crucial, tremendous- by using pair-wise comparisons is to evaluate the standards inside the complete machine to create the matrix. Zoning leisure time, for dimensions and criteria it is important to set up a community of relationships between. DEMATEL-Entropy-TODIM to rank alternative sites is also used. DEMATEL method, entropy Weight method and TODIM method are different MCDM although widely used for problems, for us As far as known, all these three decision methods are LSWF are integrated and used for research. [19].

Alternative: Time management scores, time approach Marks, time waster marks, Total time management skills scores, state anxiety.

Time planning scores: A robust assembly sequence for assembly although planning can be done offline, Efficient algorithms are efficient for assembly Small in geometry, where design is simplified Changes increase strength and planning a single optimization cycle is performed. Therefore, Convolution Neural Networks Introducing capable of efficiently detecting high-scoring assembly functions using binary classification and giving their visual representation.

Time attitude scores: Developing Correctness of time perspective in childhood and one that enables reliable assessment Action, structure across the lifespan Very useful for understanding. Such action is critical to development Facilitates comparison of time perspectives between periods. Second, age developing time-approach profiles with ATI-TA scores in adult samples, this Useful for understanding relationships between constructs and academic and psychological outcomes.

Time spender scores: They are called value seekers. Secondly, those who have no money and no goods Consider; They are easy in their material desires Get involved. For them, the higher the price, the High-end products are positive attractions Have: These are big spenders. Thirdly, those who are tight on money, lack materialism, are reluctant to spend due to their lack of material desires.

Total time management skill scores: Now we come back Time management skills of students. Time management is for all students, especially part-time An important skill for students as well. In fact, A commonly held notion is that part-time and traditional students to mature students There are more complications than, as a result, time They have more problems with management skills.

State anxiety: For calibration model, for basketball game Approximately 15 minutes ago, volleyball 15 minutes before the first match of the match, or 15 minutes before the game, Tournament anxiety for participants Inventory-2 is provided. Personal game Competition. For the validation sample, the CSAI-2 was administered approximately 30 times minutes before the match. Before answering items on the CSAI-2, All participants were thorough in their responses An antisocial person who encourages honesty They read the desirable report.

Analysis and Discussion

TABLE 1. Management skills in nursing in DEMATEL

	Time planning scores	Time attitude scores	Time spender scores	Total time management skill scores	State anxiety	Sum
Time planning scores	0	23	1	12	8	44
Time attitude scores	14	0	21	5	11	51
Time spender scores	26	15	0	9	10	60
Total time management skill scores	27	31	6	0	17	81
State anxiety	28	19	7	11	0	65

TABLE 1 Management skills in nursing show the Time planning scores it is seen that State anxiety the highest value for Time attitude scores is showing the lowest value. Time attitude scores it is seen that Total time management skill scores are showing the highest value for Time spender scores is showing the lowest value. Time spender scores it is seen that Time attitude scores is showing the highest value for Time planning scores is showing the lowest value. Total time management skill scores it is seen that the Time planning scores is showing the highest value for Time attitude scores is showing the lowest value. State anxiety it is seen that the Total time management skill scores is showing the highest value for Time planning scores is showing the lowest value. Table 1 shows that DEMATEL laboratory in Alternative: Time management scores, time approach Marks, time waster marks, Total time management skills scores, state anxiety. Evaluation Preference: Time management scores, time approach Marks, time waster marks, Total time management skills scores, state anxiety.

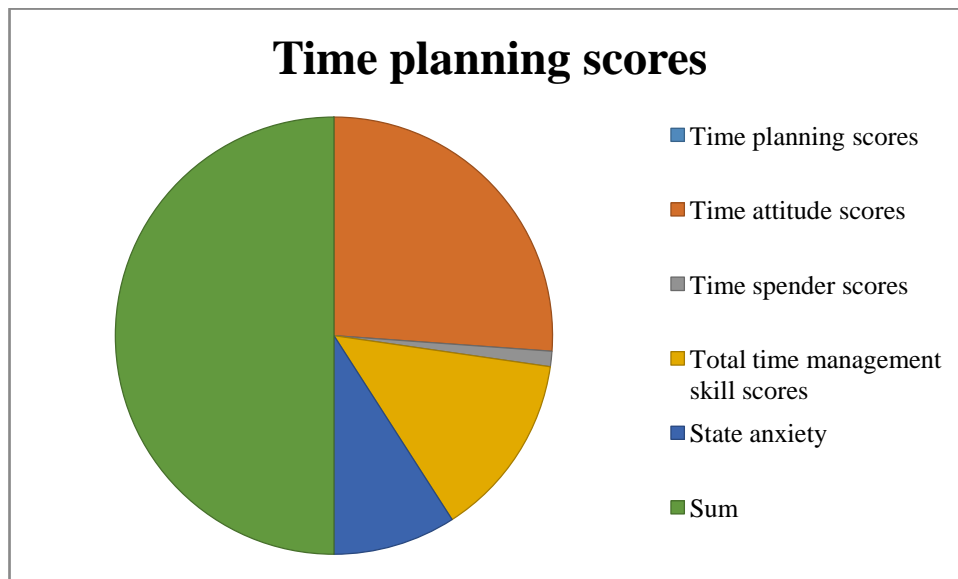


FIGURE 1. Management skills in nursing in DEMATEL

Figure 1 show that DEMATEL in Alternative: Time management scores, time approach Marks, time waster marks, Total time management skills scores, state anxiety. Evaluation Preference: Time management scores, time approach Marks, time waster marks, Total time management skills scores, state anxiety.

TABLE 2. Management skills in nursing in DEMATEL Normalisation of direct relation matrix

Normalisation of direct relation matrix					
	Time planning scores	Time attitude scores	Time spender scores	Total time management skill scores	State anxiety
Time planning scores	0	2.090909091	0.09090909	1.090909091	0.727272727
Time attitude scores	1.272727273	0	1.90909091	0.454545455	1
Time spender scores	2.363636364	1.363636364	0	0.818181818	0.909090909
Total time management skill scores	2.454545455	2.818181818	0.54545455	0	1.545454545
State anxiety	2.545454545	1.727272727	0.63636364	1	0

Table 2 shows that the Normalizing of direct relation matrix in Time management scores, time approach Marks, time waster marks, Total time management skills scores, state anxiety. The diagonal value of all the data set is zero.

TABLE 3. Management skills in nursing in DEMATEL calculate the total relation matrix

Calculate the total relation matrix					
	Time planning scores	Time attitude scores	Time spender scores	Total time management skill scores	State anxiety
Time planning scores	0	2.090909091	0.090909091	1.090909	0.727272727
Time attitude scores	1.27272727	0	1.909090909	0.454545	1
Time spender scores	2.36363636	1.363636364	0	0.818182	0.909090909
Total time management skill scores	2.45454545	2.818181818	0.545454545	0	1.545454545
State anxiety	2.54545455	1.727272727	0.636363636	1	0

Table 3Shows the Calculate the total relation matrix in Time management scores, time approach Marks, time waster marks, Total time management skills scores, state anxiety.

TABLE 4. I matrix

I					
1	0	0	0	0	0
0	1	0	0	0	0
0	0	1	0	0	0
0	0	0	1	0	0
0	0	0	0	1	0

Table 4 Shows the $T = Y(I - Y)^{-1}$, I= Identity matrix in Time management scores, time approach Marks, time waster marks, Total time management skills scores, state anxiety. is the common Value.

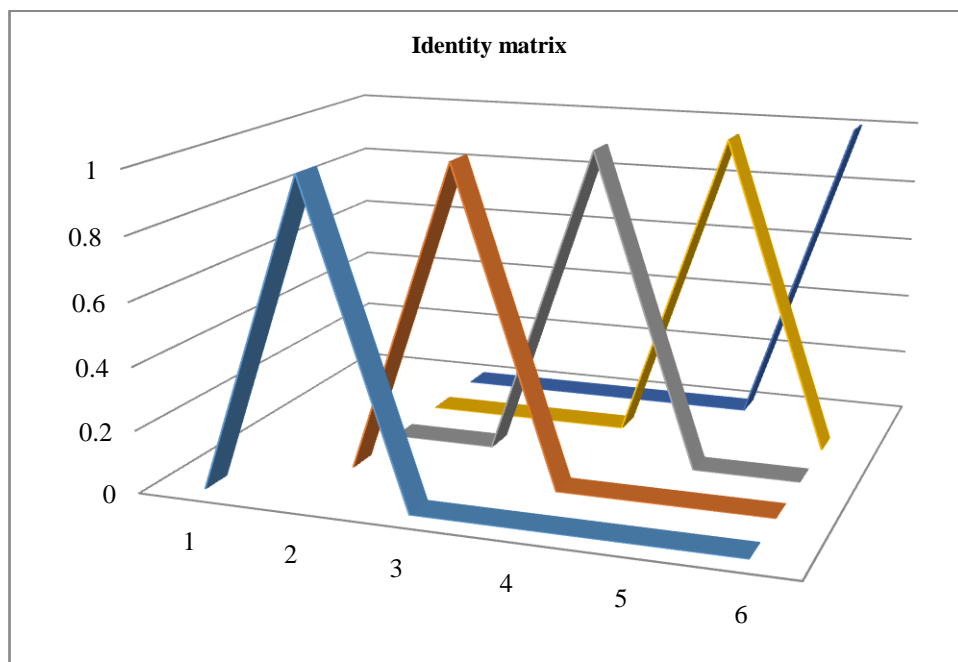


FIGURE 2. Identity matrix

Table 4 Shows the $T = Y(I-Y)^{-1}$, I= Identity matrix in Time management scores, time approach Marks, time waster marks, Total time management skills scores, state anxiety. Is the common Value.

TABLE 5. Y value

Y				
0	2.090909	0.090909	1.090909	0.727273
1.272727	0	1.909091	0.454545	1
2.363636	1.363636	0	0.818182	0.909091
2.454545	2.818182	0.545455	0	1.545455
2.545455	1.727273	0.636364	1	0

Table 5 Shows the Y Value in Time management scores, time approach Marks, time waster marks, Total time management skills scores, state anxiety. Is the Calculate the total relation matrix Value and Y Value is the same value.

TABLE 6. I-Y value

I-Y				
1	-2.09091	-0.09091	-1.09091	-0.72727
-1.27273	1	-1.90909	-0.45455	-1
-2.36364	-1.36364	1	-0.81818	-0.90909
-2.45455	-2.81818	-0.54545	1	-1.54545
-2.54545	-1.72727	-0.63636	-1	1

Table 6 Shows the I-Y Value Time management scores, time approach Marks, time waster marks, Total time management skills scores, state anxiety. Table 4 $T = Y(I-Y)^{-1}$, I= Identity matrix and table 5 Y Value Subtraction Value.

TABLE 7. (I-Y)-1 value

(I-Y)-1				
0.208337292	-0.05321	-0.16433	-0.03216	-0.10079
-0.186621017	0.150729	0.117212	-0.15104	-0.11187
-0.103488193	-0.2564	0.353944	-0.09213	-0.15228
-0.272470547	-0.17448	-0.24663	0.321172	-0.10049
-0.130358955	-0.21275	-0.23724	-0.08021	0.352806

Table 7 shows the (I-Y)-1 Value Time management scores, time approach Marks, time waster marks, Total time management skills scores, state anxiety. Table 6 shown the Minverse Value.

TABLE 8. Total Relation matrix (T)

Total Relation matrix (T)				
-0.791662708	-0.05321	-0.16433	-0.03216	-0.10079
-0.186621017	-0.84927	0.117212	-0.15104	-0.11187
-0.103488193	-0.2564	-0.64606	-0.09213	-0.15228
-0.272470547	-0.17448	-0.24663	-0.67883	-0.10049
-0.130358955	-0.21275	-0.23724	-0.08021	-0.64719

Table 8 shows that the total relation matrix the direct relation matrix is multiplied with the inverse of the value that the direct relation matrix is subtracted from the identity matrix.

TABLE 9. Ri & Ci value

Ri	Ci
-1.14217	-1.4846
-1.18159	-1.54611
-1.25035	-1.17705
-1.4729	-1.03438
-1.30776	-1.11263

Table 9 shows the Ri, Ci Value in Time management scores, time approach Marks, time waster marks, Total time management skills scores, state anxiety.

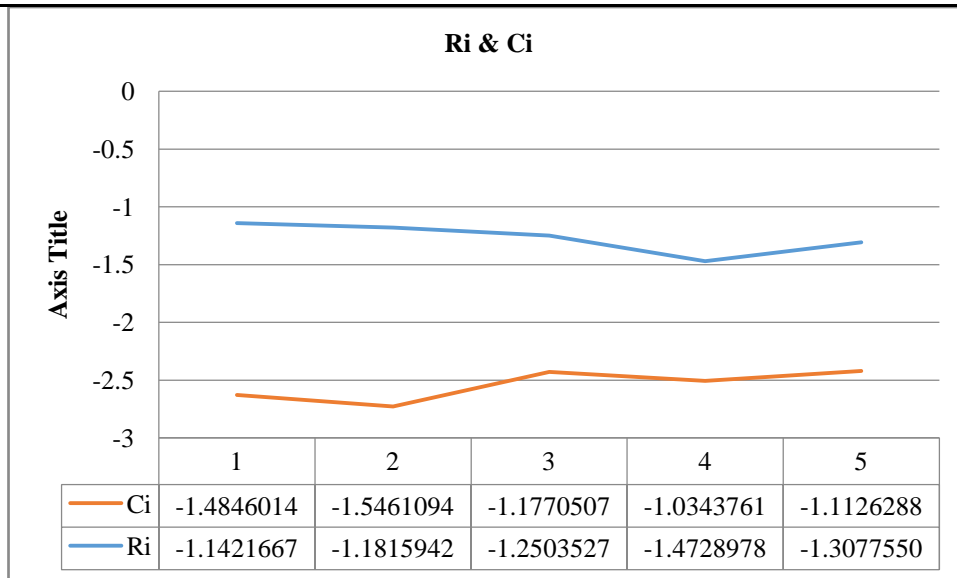


FIGURE 3. Ri & Ci

Figure 9 shows the Ri, Ci Value in Time management scores, time approach Marks, time waster marks, Total time management skills scores, state anxiety.

TABLE 10. RI+Ci & Ri-Ci & Rank &Identity

	Ri+Ci	Ri-Ci	Rank	Identity
Time planning scores	-2.62677	0.342435	4	cause
Time attitude scores	-2.7277	0.364515	5	cause
Time spender scores	-2.4274	-0.0733	2	effect
Total time management skill scores	-2.50727	-0.43852	3	effect
State anxiety	-2.42038	-0.19513	1	effect

Table 10 shows the Calculation of Ri+Ci and Ri-Ci to Get the Cause and Effect. the final result of this paper the State anxiety is in 1st rank cause, Time spender scores is in 2nd rank cause, Total time management skill scores is in 3rd rank effect, Time planning scores is in 4th rank effect and Time attitude scores is in 5th rank effect. The final result is done by using the DEMATEL method.

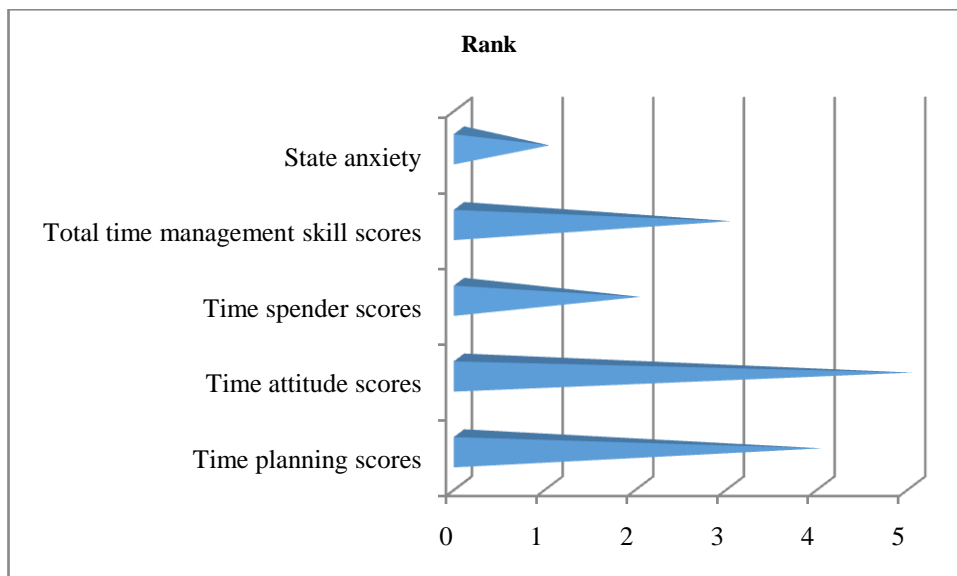


FIGURE 4. Rank

Figure 3 Shows the graphical representation the final result of this paper the State anxiety is in 1st rank, Time spender scores is in 2nd rank, Total time management skill scores is in 3rd rank, Time planning scores is in 4th rank and Time attitude scores is in 5th rank.

Conclusion

The result it is seen that State anxiety is got the first rank where as is the Time attitude scores is having the lowest rank. The use of full-scale simulation to improve the work organization and people management skills required of nurses to be effective in the workplace has rarely been reported or described in sufficient detail to enable replication. Consensus decision-making skills, communication and negotiation skills, conflict management skills and team leadership skills are essential for successful teamwork. PBL School integrates communication skills training in every institution. A robust assembly sequence for assembly although planning can be done offline, efficient algorithms are efficient for assembly Small in geometry, where design is simplified Changes increase strength and planning a single optimization cycle is performed. Now we come back Time management skills of students. Time management is for all students, especially part-time an important skill for students as well. In fact, A commonly held notion is that part-time and traditional students to mature students There are more complications than, as a result, time they have more problems with management skills. Demonstrate relationships between factors and the type and basis of relationships of their effects on each other's criteria Prioritize intensity. In addition, hybrid the most advantage of Fuzzy DEMATEL is that considering the degree of ambiguity, It is also about dealing with ambiguity flexibly. However, the DEMATEL instrument inters ales Expresses relationship and type of relationships and Based on a critique of their implications gives priority. ISM is their bias and driving force Creates relationships through, but not through significance. DEMATEL Method and Bayesian Network Bayesian To configure a combination of network structures Lays a solid foundation. This is the method A traditional Bayesian network architecture various properties and Improves scientific character.

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