

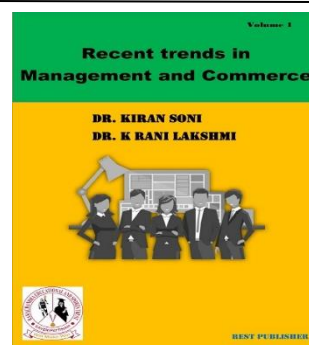


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Video-Driven Multimedia, Web-Based Training in the Corporate Sector: Pedagogical Balance and Component Effectiveness. Using the VIKOR method

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Abstract: Many is the plural form of A lot. A type of media called multimedia Moving information from one place to another makes it easier. Text with links and other tools, the user computer displays images, music and video based navigation, creation and Helps engage in communication. Media and material that employ a variety of data types, such as text, video, still images, cartoon, video, and interactive contents formats, are referred to as multimedia. Second, web innovation is the creation of a system that enables networked communication between two or more digital devices. Being the foundation of software, architecture, and other techniques, multimedia covers the ideas of efficient communicate. Text, picture, audio, video, and movement are the five primary components of multimedia. Research significance: To make a discussion more enlightening and interesting, multimedia mixes various text, voice, and image-based media. The tools and platforms Create and send this communication Uses are included in multimedia technology. Multimedia content transform the learning process It also helps to improve and retain better knowledge leads to Students are more engaged in the content Opportunities educational video can provide. Students from around the world You can learn from the syllabus available through video. Multimedia Schools, publishing, film and video conferencing Professionals are employed in Multimedia Developers It is possible to work as a Strobe producer, network administrators, publication, graphic designer, sound expert, cartoonist, editor, or product supplier. Mythology: Alternative: A1, A2, A3, A4, A5. Assessment option: Song search and suggestion, station design and upkeep, website performance, pricing, and advertising, as well as platform image and customer contacts (IR). Result: "from the result is based on Platform functionality of website (PF) are the result seen and got the first Rank, whereas the Platform image & customer relations (IR) got having the lowest rank". Conclusion: The Value of dataset for Image processing in VIKOR method shows that it results in Water and top ranking.

Keywords: Music search, recommendation, Platform functionality, Pricing, promotion.

1. INTRODUCTION

Social networks serve as visual descriptions of the connections between people and institutions in a society. Social network and connection analysis is a known field that has been found. Applications including computer science, biology, and in various fields sociology. Online community may be created online thanks to the Internet. The creation of tools that can assess the layout of networks is made easier by the technical architecture in those civilizations. [1] It is designed to be a fully complete platform for multimodal adaptation and distribution in multi-use scenarios, useable in streaming contexts, relying on XML and Wide Web concepts to develop feature adapting and packaging engines. Its methods for packing and adapting multimedia material rely on our paradigm for multimedia number of files.[2] In any case, the shift from a hypothetical to a real-world setting will highlight realistic possibilities for multimedia comprehension supported by Meaningful Web technologies. In order to bridge the semantic divide between image collection algorithms and multichannel data processing, it is my belief that this idea will be of essential benefit. [3] Investigated Voiceover of information presented in print form Cognition of the audience experiencing the presentation Impact of unwanted screen text on load. Additionally, In-depth quality related to multimedia information processing and Eye tracking technology to provide quantitative information Real-time recording of the eye movements of the audience using were made. [4] It is sad that this is the case since creating rich, controlled multimedia material can be quite expensive, and enabling annotation for rich output not only enhances document management, archives, and retrieval, also is but allows for greater reuse. We provide a method to label rich, structured multimedia material on the Web using Multimodal Metadata Order

(M3O). Giving it machine printable and machine intelligible expands its meaning. [5] A server can offer a variety of services. for specialized service roles. Moreover, QoS is heavily reliant on service provision, particularly when adapting to a changing consumer environment. Server QoS and Transport are used for the majority of multimedia web games. One the most crucial technologies to guarantee the success of an operation is QoS. [6] These new educational resources are available to students over the internet at all times and from any location. Multimedia technology can also make it easier to distribute educational information in flexible and varied ways. According to pedagogy, these enrichments are required to give pupils with various learning preferences individualized learning resources. [7] Regarding the causes of cyber incidents, Most secure protocols are determined to be vulnerable, and insider material leakage, a lack of expertise and equipment, and risk are also frequent. Other Otherwise put, deal with cyber incidents, Use them in practice as a security officer It is necessary to take timely action. Necessary technologies It is also necessary to create an environment for receiving. [8] This research focuses on the use of cognitive learning methods to assist students' multimedia learning. These teaching methods help students to digest the information they are learning by engaging in a variety of internal and visible activities. We start by identifying the primary types of assistance for teaching. The understanding of learning techniques from illustrated texts has been adapted to models of teaching, which we discuss. [9] Video-driven interactive web Cost advantages of training based on new ones can be utilized to develop skill learning, improve worker efficiency, and open up more options for accomplishment. The suggested research is video-driven Interactive; web-based cognitive-based teaching focuses on design techniques. Education is significant in the subject of cognition and instruction. [10] Multimedia, which consists Text, images, motion, video, song, special sounds, and other components, along with an endless amount of imaginative space contains and alters both how we learn and how we communicate information. A network revolution is occurring in current educational technology as a result of the Internet's expansion and quick diffusion. The fundamental building block of multimedia instruction in schools is the instruction and training of fundamental multimedia communication resource systems, including the core duties of creating multimedia teaching materials, managing multimedia information resources, and utilizing multimedia evidence resources. [11]

2. MATERIALS AND METHODS

Since there is in vertical handover and real-time Research papers using network selection VIKOR Nothing, they are more numerous Read the documentation, in the context of network selection Use the VIKOR method they gave us an idea. [1] Contradictory and sometimes conflicting solve problems in separate spaces with criteria Introduced VIKOR method for solving. VIKOR stands for multi criteria optimization and compromise decision Serbian abbreviation. [2] TOPSIS and VIKOR methods also give better results Gives, to choose our knowledge Best used are RF-MEMS switches dielectric material with the MODM approach MADM methods for selection This is the first time.[3] and Jurisprudence criteria, and VIKOR method provide the above five rankings Alternatives. Regulators can help Iran and other Islamic countries benefit from short-selling alternatives to the development of capital markets. [4] VIKOR method is another used in MCDM Method, it is designed to improve complexity there are several parameters in the settings. This is the method Ranking and proximity to the best option basically the best with different criteria Focuses on choice. [5] As usual in most MCDM techniques, VIKOR method is subjective in a fuzzy environment and expanded to accommodate imprecise data various fields.[6] Based on Hamming distance, PHESP sites A VIKOR method is proposed to sort. Various as per the type of decision making information need to be translated; the values of the variables are the same this method is in units very useful for unspecified problems will be. [7] The VIKOR method is a "closer" to the best solution a ranking index based on a specified metric Introducing. On the contrary, the basis of TOPSIS method the principle is that the chosen alternative is optimal "Short-distance" and "negative-optimal" from the solution must be "away" from the solution. [8]

Step 1. Determination of best and worst value

$$F_i^+ = \text{Max} (F_{ij})$$

$$F_i^- = \text{Min} (F_{ij})$$

Step 2. Normalization of S_j and R_j

$$S_j = \sum_{j=1}^m \left[\frac{w_j(f_i^+ - f_{ij})}{f_i^+ - f_i^-} \right]$$

$$R_j = \text{Max} \left[\frac{w_j(f_i^+ - f_{ij})}{f_i^+ - f_i^-} \right]$$

Step 3. Computation of Q_j for group of utility function

$$Q_j = \frac{v(S_j - S^+)}{(S^- - S^+)} + (1 - v) \left(\frac{R_j - R^+}{R^- - R^+} \right)$$

Step 4. Ranking of the alternative

Sorting of R_j , S_j and Q_j are made from their minimum value. Hence the three ranking list is obtained.

Step 5. Acceptance of Rank choice

Case 1: Acceptable advantages

$$Q(a(2)) - Q(a(1)) \geq D_Q$$

Where $D_Q = \frac{1}{j-1}$, where j is the number of alternatives.

Case 2: Choice of random acceptance stability, where Q_j is the best choice from S and R with $v \geq 0.5$

Condition: If any one of the conditions is not satisfied, then a set of compromise solution will be proposed and that is consist of:

1. Alternatives a1 and a2, if condition a2 is not satisfied
2. Alternative $a1, a2, a3, \dots, am$, if condition case 1 is not satisfied $a(m)$ is determined by the relation $Q(am) - Q1 < D_Q$ for maximum M (the position of these alternatives is in closeness)

They use Fuzzy AHP to weight the criteria used and textile suppliers in VIKOR mode Sorted out. AHP and TOPSIS methods for studying Connecting India's fashion apparel industry under uncertainty. [14] The linguistic VIKOR method for 2-tuple linguistic information and appearance Based on the basic principles of VIKOR model has first, to calculate linguistic information Concepts, functional formulas and distance 2-tuple we introduce the method. Linguistics we review some aggregation operator of number we do It is more scientific and reasonable to consider conflicting traits. [15] 700 mph flight speed Mach* 1.06 or 106% The plane is the moisture and temperature it has traveled 106% or 1.06 MACH* at the speed of local sounds reached The speed of sound at those levels is ~660 mph 770 mph of sound in dry, 68° F conditions Below speed. The formula for density is mass an object times its volume divided by the size. In equation form, it is $d = m/v$, D is density, m is mass, and v is the Size of the item. Standard units are kg /m³. Acoustic impedance: the passage of ultrasound waves through tissues Resistance to spread. Unique to each tissue type there is acoustic impedance. Acoustic impedance is Density and velocity of sound in tissue is the product.

3. ANALYSIS AND DISSECTION

TABLE 1. Multimedia web technologies in Determination of best and worst value

	Determination of best and worst value				
	A1	A2	A3	A4	A5
Music search & recommendation (SR)	0	2.545	2.964	2.709	2.727
Platform design & maintenance (PM)	2.491	0	2.764	2.709	2.836
Platform functionality of website (PF)	3	2.818	0	2.836	2.527
Pricing & promotion (PP)	2.527	2.436	2.491	0	2.527
Platform image & customer relations (IR)	2.673	2.764	2.782	2.709	0
Best	0	2.818	2.964	0	0
worst	3	0	0	2.836	2.836

Table 1 Multimedia web technologies shows the A1 it is seen that Music search & recommendation (SR) the Best value for Platform functionality of website (PF) is showing the worst value. A2 it is seen that Platform functionality of website (PF) is showing the Best value for Platform design & maintenance (PM) is showing the worst value. A3 it is seen that Music search & recommendation (SR) is showing the Best value for Platform functionality of website (PF) is showing the worst value. A4 it is seen that Pricing & promotion (PP) is showing the Best value for Platform functionality of website (PF) is showing the worst value. A5 it is seen that Platform image & customer relations (IR) are showing the Best value for Platform design & maintenance (PM) is showing the worst value. Alternative: A1, A2, A3, A4, A5. Assessment option: Music search & recommendation (SR), Platform design & maintenance (PM), Platform functionality of website (PF), Pricing & promotion (PP), Platform image & customer relations (IR).

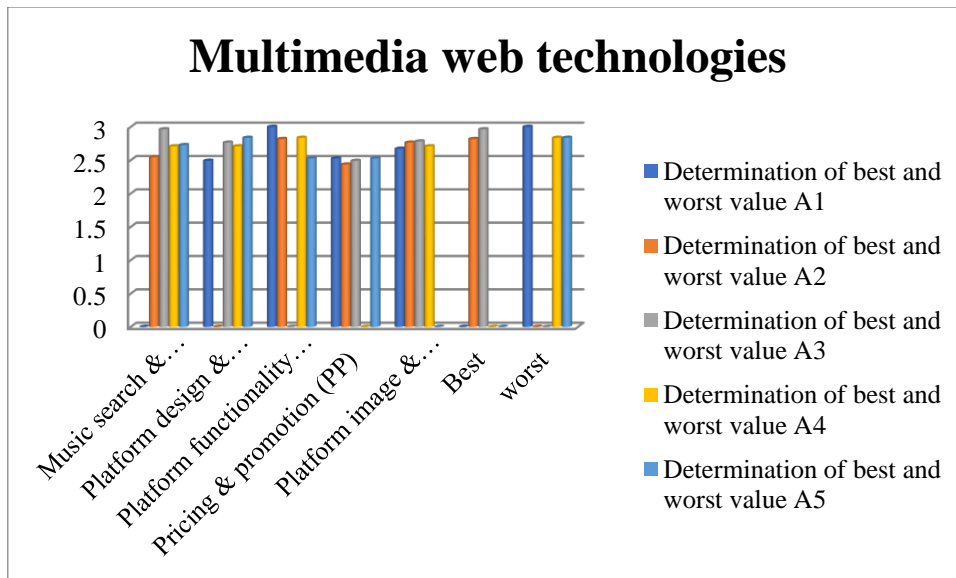


FIGURE 1. Multimedia web technologies

Figure 1 shows the Alternative: A1, A2, A3, A4, and A5. Assessment option: Music Search and Recommendation (SR), Platform Design and maintenance (PM), platform functionality of the website (PF), Price and Promotion (PP), Platform Image & Customer Relations (IR).

TABLE 2. Multimedia web technologies in Calculation S_j and R_j

Calculation S _j and R _j					S _j	R _j
0	0.024219	0	0.238805	0.240391	0.503415	0.240391
0.207583	0.25	0.016869	0.238805	0.25	0.963257	0.25
0.25	0	0.25	0.25	0.222761	0.972761	0.25
0.210583	0.033889	0.039895	0	0.222761	0.507129	0.222761
0.22275	0.004791	0.015351	0.238805	0	0.481696	0.238805

Table 2 shows the calculation of the S_j and R_j, it is calculated.

TABLE 3. Multimedia web technologies in Calculation S_j and R_j and Q_j

	S _j	R _j	Q _j
	1.223003	0.503415	0.202491
	1.702062	0.963257	0.990323
	1.695522	0.972761	0.995637
	0.952651	0.507129	0.025896
	0.959305	0.481696	0.00444
S+ R+	0.952651	0.481696	
S- R-	1.702062	0.972761	

Table 3 shows the S_j, R_j, Q_j by using the previous tabulation it is the sum of the value. S_j and R_j using the S+ R+ Minimum formula, S- R- Maximum formula.

TABLE 4. Multimedia web technologies in Rank

	Rank
Music Search & Recommendation (SR)	3
Platform Design and Maintenance (PM)	2
Website Platform Functionality (PF)	1
Price and Promotion (PP)	4
Platform Image & Customer Relations (IR)	5

Figure 3 shows the from the result is based on Platform functionality of website (PF) are the result seen and got the first Rank, whereas the Platform image & customer relations (IR) got having the lowest rank

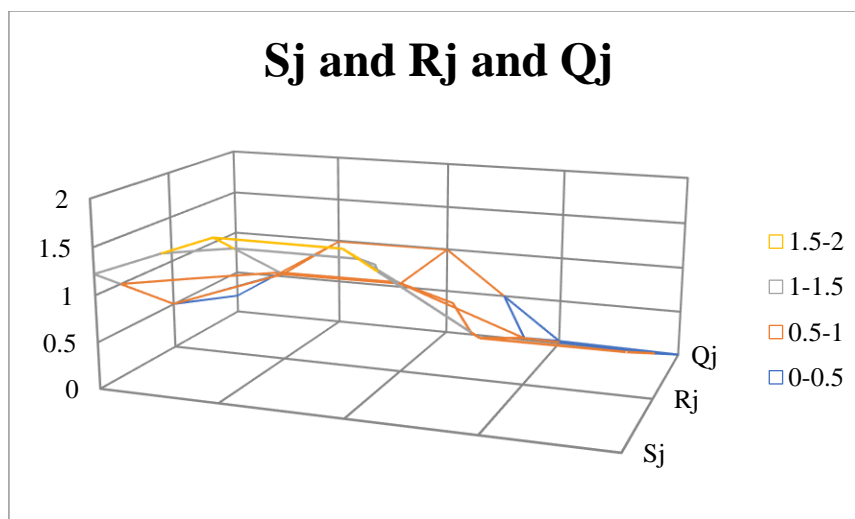


FIGURE 2. Multimedia web technologies in Calculation S_j and R_j and Q_j

Figure 2 shows the S_j , R_j , Q_j by using the previous tabulation it is the sum of the value. S_j and R_j using the $S+ R+$ Minimum formula, $S- R-$ Maximum formula.

4. CONCLUSION

Although the material in our concept application now covers a wide range of crucial subjects, most content is simply planned with regard to its fundamental metadata. Also, up to now, data modeling has mostly concentrated on merging the multimedia utterances, videos, and audio data—that are available in HMA. Include pertinent issues connected to the character's life and job rather than attaching titles to text excerpts. To address the present interoperability challenges brought on by the many uses of information formats in the varied modules of modern video detection systems, a layered information model was created. Ontology created especially for video detection systems makes up the top layer, which also contains Technical and analytical metadata. This concept with a bottom layer containing a set of metadata is attached concepts that are often used in checking. The operation of online resource services is unsatisfactory and may be toned back in many institutions, but there is space for significant reform in order to adapt to an expanding market. Only when library employees are capable and enthusiastic in reimagining the job of libraries will Internet innovation implementation be accomplished. We Aggressive to a standard target size of images Principles of transcending large images Adaptable, so it is very important offers significant savings for events. Tran coded images are JPEG Contains Quality Factors Converts images to a percentage of the original JPEG quality factors Policies provide storage for smaller files with loss in information quality.

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