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# Understanding Effects of Matrix Organization Using SPSS Statistics

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**Abstract:** *Matrix Organization, while being complicated, the matrix organisational structure helps achieve the fundamental goal, which is to boost productivity. It has a lot of benefits. These organisations are used by companies that offer a wide range of goods and services. It gives the company more flexibility and disrupts the routine. Employees cooperate with coworkers from diverse departments who are proficient in a variety of tasks. Whenever people from different departments work together, problems get solved faster. Even though everyone is exposed to a variety of roles from outside their primary profession, this does help to advance the workforce as a whole. A matrix organisation is one in which two or more people share administrative responsibility and responsibility. But, depending on whom you question and the field you work in, the significance of the term "matrix" differs greatly. There are frequently two chromatins of command in a matrix, one corresponding to functional departments and the other to project, market, or customer lines. Other chains of command may also exist, such as those based on location. The project leader may have a very powerful management position in a matrix organisational structure, or he may only have a facilitating role. To illustrate organisational ideas, a grid with a power balance between tasks versus function managers will first be examined. SPSS statistics is a data management, advanced analytics, multivariate analytics, business intelligence, and criminal investigation developed by IBM for a statistical software package. A long time, spa inc. was created by, IBM purchased it in 2009. The brand name for the most recent versions is IBM SPSS statistics. Co-operation, Confirmation, Avoidance, Competition, Effective management, Constructive conflict. The Cronbach's Alpha Reliability result. The overall Cronbach's Alpha value for the model is .683 which indicates 68% reliability. From the literature review, the above 49% Cronbach's Alpha value model can be considered for analysis. the outcome of Cronbach's Alpha Reliability. The model's total Cronbach's Alpha score is .683, which denotes a 68% dependability level. The 49% Cronbach's Alpha value model mentioned above from the literature review may be used for analysis.*

**Keywords:** *Confirmation, Avoidance, Competition, Effective management, Constructive conflict*

## 1. INTRODUCTION

Traditional news formats have reached their breaking point due to rising internal and external complexity. News releases from outlets like Reuters and NZZ.at, the financial crisis, climate change, or the "frenzy" to get interdisciplinary viewpoints on complicated problems like the refugee crisis create an expanding editorial board to cover "events". Beat structures are the main source of difficulties for cross-beat news stories in traditional media. An organizational structure known as a matrix is one in which a boss works to two different employees. This system is created by fusing project-based and functional frameworks, which is distinctive. Workers in one functional department report to the manager, and products in a separate business unit also are accountable to the supervisor (or project manager). United was one of the major, intricate undertakings of the decades that followed. An example of an organizational structure is the matrix. The benefit of a matrix is that different people working on a project can acquire expertise in several sectors, bringing a variety of experiences and information to the project. Each type of organizational design has advantages and disadvantages of its own. For instance, if the computer system is accepted, the projects will be less advanced than if the lagging proposed system mainly is chosen. THE MACHINE crafted to maximize the advantages of both kinds trying. Standard Products Co.'s history from functionality to a pure team structure Explains. To create innovative items, high technology is needed. Normal clearance procedures were followed in order to implement the process, and these products

swiftly can advertise it while maintaining a competitive edge. First free flowing is Confederation is another group that was founded with the aerospace industry in mind. Matrix system operation and planning based on institutional form selection Is growing, yet it is not confined to a fundamentals of power structure. Behavior Science research currently offers a middle ground between project and practical peaks that enables you to define options in forms. Organizational processes, perceptions of roles, and the method's approach structure. Support current hierarchical channels in full matrix technology Establishes appropriate, lateral channels of communication and prior knowledge to manipulate information Improvements in organizational decision-making have frequently been discovered by researchers. The establishment of these channels has an impact on the chains of command and the unity of command. Violates the established rules of government and When these demands go beyond the capacities of fundamental bureaucratic institutions, new, systematic, laterally communication channels are added to existing, systematic, hierarchical communication channels. The goal of creation is to expand a business's ability to process information. Other businesses In contrast to forms, a matrix system are a heterogeneous structure where lateral authority, influence, or communication can cover the traditional hierarchy. Two command chains are created by these overlays in the matrix, one practical with lines while the other utilizes project lines. The complicated nature of project planning in the real world of business, the system is frequently where many areas necessitate highly skilled technical support. Used. Although collagen gels shrank at both stages slightly more quickly than floating gels, fibroblasts did not. Shrink If the gelatin are floated in the middle, DNA production of diproplasts in pressed gelatin gels is reduced; nevertheless, if the gels are adhered to the exterior, and also the obstacle is the gel was unaffected by how severe the contraction was. Therefore, Cell shape and extracellular matrix organization in compression collagen gels Hypoblast extracellular growth can be independently controlled by matrix density. Previous researchers found that fibroblasts in gels produced DNA after collagen gel contraction. Shown fading, yet they still blend in contrarily, examine the elm components structure and cell as well as the contraction's size. Indistinguishable is also the shape. A recent study and a recent study as well. Investigate pronounced variations in migration patterns between three-dimensional environments. strong, reliant on displacement in vivo Furthermore, most of the current common random gait migrating models are based on two-dimensional motion and does not take into account the impact of similar matrix or proteolysis. Methods of Ladd Monte Carlo Utilization, directional stability, and velocity of matrix metalloproteinases We offer a sample for research. When a cell is given and moves in 3 components Simulations demonstrate the matrix's ability to be warped. Making digestion happen. Our matrix results provide two MMP models for speed as well as stability over whole size. Displays excellent sensitivity in 3D and operation is in excellent agreement with measurements-based experimental research. Many well-known management experts who have written about complex systems in recent years have started to dispute the idea of a matrix. Moreover, Waterman, Peters, and Phillips created the current variation of the matrix for organizational structure, which frequently created more issues than it resolved. Peters and McLaren on complicated structures and The Matrix, authors of the well-known book *Zn Search of Perfection*, give a lot of advice on what businesses to stay away from. In one instance, the project struggled to meet the deadline for providing new items since it diverted the team's attention. Peters and Waterman cite The Corporation. They claim that each worker may work on up to six projects within their area of limited specialization ". Nevertheless, the matrix system "always loses its innovativeness, usually just little over time. It soon turns bureaucratic and inventive while perpetually degenerating into anarchy these results demonstrate that proteins and HA have an extracellular interaction. Suggests that it is crucial for the cellular network's stability. Collagen (s) with HA are tightly connected in mouse and adult COC measurements. The particulars of the interactions needed for the polymeric matrix have not, however, been studied. TGFb is crucial for the development and repair of tendons. Despite being a part of the healing process, normal tendon development, or steady genetic expression, Smart3 is its downstream impact. Yet, nothing is known about the function of Smart 3. Extraction of Smad3 using animals lacking in Smad3 Disrupts Skeletal Anatomy and Normal Transcript and Protein throughout Developing and In Adults Muscles We demonstrate that it significantly affects. A turnover residue of amino acids, essential fats, nucleic acids, and carbohydrates connects molecules from within and outside of cells. Disorders of lipid storage consist of several clinically distinct inherited and acquired diseases. The fundamental and in the afflicted cells clinical symptoms of these illnesses due to the supplementary changes that take place. of fundamental alterations, materials, or metabolites Accumulation produces abnormalities, which seriously affect the structure and function of cells. Led Vivo is an expert on changes to the extracellular matrix's structure. In particular, we examined the shape of the rat pancreas at the following four images depict the growth (12 When examined using ultrasound, it was discovered that, with the exception of the early stages, the infant's pancreas remains surrounded by lamina in both the embryo and the newborn stage. Close communication between the neighboring mesenchymal cell and the endocrine cell is interfered with. The development of the endocrine cellular signaling process involves the formation of epithelial-mesenchyme 1. Speaks of contacts. Collagens fibrils frequently branch and accumulate in

the cleft (branch location) collagen are immune, especially in the area close to the cleft of both the neck and the pancreatic epithelium. Built-in, however the first pancreas is the continuous linear localization of these measures. Referred to in the bud. Branching histaorthritis dominates epithelial development in numerous organs, which

## 2. MATERIALS & METHODS

**Co-operation:** Cooperation and competition, in contrast, describe social contexts that have different consequences on interpersonal communication and conflict in particular, according to Deutsch. In co-operation, participants feel their aims are positively related in that each person's attainment helps others reach their goals. Goals are seen as being negatively related in competition because achieving one objective interferes with achieving another. Team members are working together when they want to finish the project quickly; they are competing when they want to prove to their boss than they are doing a better job than the other team members.

**Confirmation:** Laboratory research that suggested that confirmation improves the cooperative components in a relationship whereas verification amplifies the competitive elements also showed the potential benefit of this mix of strategies. One could also hypothesize that team members could be hesitant to fully engage in cooperative conflict management in the absence of affirming signs from the project manager. Perhaps the team member won't feel safe enough to make the kinds of risks that the cooperative conflict mode invites until they believe the project manager has validated their ability.

**Avoidance:** Experiments have also looked at how to minimize conflict by minimizing disparities. Those who avoid conflict avoid intense emotions of rage and irritation by withdrawing from discussions of it or rapidly settling disagreements. This is a clearly identifiable attitude to conflict. In companies, avoidance is frequently utilized. The findings back up the claim made by Deutsch and other researchers that open disagreement can be beneficial and useful.

**Competition:** rivalry has guided most of the social psychology work on conflict. Cooperation and competition, in contrast, describe social contexts that have different consequences on interpersonal communication and conflict in particular, according to Deutsch. Those who cooperate feel that their aims are positively related since achieving one's own goals aids in the accomplishment of others' goals. Goals are seen as being negatively related in competition because achieving one objective interferes with achieving another.

**Effective management:** The experiences of conflict and good management were thought to be positively associated to cooperative and confirming techniques, in particular. On the other hand, it was proposed that the exact same dependent variables would be adversely correlated with competitive and avoidant conflict management strategies. Regarding the impact of these four conflict resolution strategies on the third predictor variables, conflict intensity level, no predictions were made.

**Constructive conflict:** Yet, those who feel that the overt manifestation of conflict can yield constructive outcomes could counter that now the negative correlations only reflect that the project managers had the requisite skills to redirect the conflict energies into constructive paths. They can also contend that a few of the conflicts had more to do with a competitive than a cooperative environment.

**Methods:** Any of Statistics' numerous capabilities can be programmed using knock menus or a special 4GL language that is widely utilized. The benefits of using command syntax in programming include the ability to produce repeatable outcomes, streamline time-consuming tasks, and carry out complex data manipulation and analysis. Also, some complex applications can only be constructed using grammar and can't be accessed through the menu system. Moreover, the squeezing menu interface generates command syntax, which is visible in the output but must be made user-accessible by changing the default settings. You can also include them in a syntax file by using the "paste" button that may be found in each option. Programmers may run interactively or unattended using the production job facility that is offered. In addition, a "mega" language can.

## 3. RESULT AND DISCUSSION

TABLE 1. Reliability Statistics

Reliability Statistics		
Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.686	.493	5

Table 1 shows Cronbach's Alpha Reliability result. The overall Cronbach's Alpha value for the model is .686 which indicates 68% reliability. From the literature review, the above 49% Cronbach's Alpha value model can be considered for analysis.

**TABLE 2.** Reliability Statistic individual

	Cronbach's Alpha if Item Deleted
Co-operation	0.780
Confirmation	0.339
Avoidance	0.354
Competition	0.184
Effective management	0.411
Constructive conflict	0.156

Table 2 Shows the Reliability Statistic individual parameter Cronbach's Alpha Reliability results in Co-operation0.780, Confirmation0.339, and Avoidance0.354, and Competition0.184, Effective management 0.411, Constructive conflict 0.156.

**TABLE 3.** Descriptive Statistics

	N	Range	Minimum	Maximum	Sum	Mean		Std. Deviation
Co-operation	31	4	1	5	101	3.26	0.217	1.21
Confirmation	31	4	1	5	92	2.97	0.225	1.251
Avoidance	31	4	1	5	98	3.16	0.241	1.344
Competition	31	3	1	4	76	2.45	0.185	1.028
Effective management	31	3	2	5	96	3.1	0.199	1.106
Constructive conflict	31	4	1	5	96	3.1	0.219	1.221
Valid N (listwise)	31							

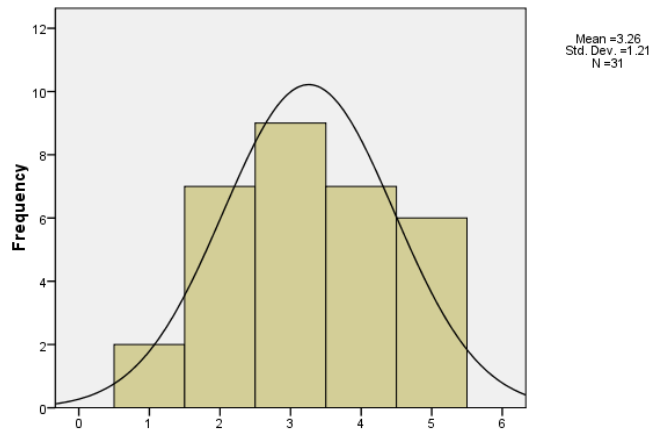
Table 3 shows the descriptive statistics values for analysis N, range, minimum, maximum, mean, standard deviation, Variance, Skewness, and Kurtosis. Co-operation, Confirmation, Avoidance, Competition, Effective management, Constructive conflict, this also using.

**TABLE 4.** Frequency Statistics

Statistics							
		A1	A2	A3	A4	A5	A6
N	Valid	31	31	31	31	31	31
	Missing	0	0	0	0	0	0
Mean		3.26	2.97	3.16	2.45	3.1	3.1
Std. Error of Mean		0.217	0.225	0.241	0.185	0.199	0.219
Median		3.25 <sup>a</sup>	2.89 <sup>a</sup>	3.31 <sup>a</sup>	2.47 <sup>a</sup>	2.95 <sup>a</sup>	3.00 <sup>a</sup>
Mode		3	3	4	3	2	2
Std. Deviation		1.21	1.251	1.344	1.028	1.106	1.221
Variance		1.465	1.566	1.806	1.056	1.224	1.49
Skewness		0.051	0.174	0.313	-0.058	0.429	0.157
Std. Error of Skewness		0.421	0.421	0.421	0.421	0.421	0.421
Kurtosis		0.915	0.734	1.075	1.092	1.241	1.063
Std. Error of Kurtosis		0.821	0.821	0.821	0.821	0.821	0.821
Range		4	4	4	3	3	4
Minimum		1	1	1	1	2	1
Maximum		5	5	5	4	5	5
Sum		101	92	98	76	96	96

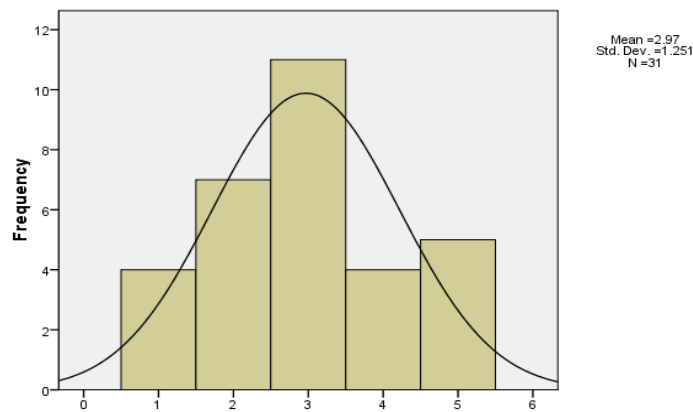
Table 4 shows the Frequency Statistics in Solar photovoltaic technology is Co-operation, Confirmation, Avoidance, and Competition, Effective Management, Constructive conflict curve values are given. Valid 31, Missing value 0, Median value 3.00, Mode value 3.

**Histogram Plot:**



**FIGURE 1.** Co-operation

Figure 1 shows the histogram plot for Co-operation from the figure it is clearly seen that the data are slightly Left skewed due to more respondents choosing 3 for Co-operation except for the 3 values all other values are under the normal curve shows model is significantly following a normal distribution.



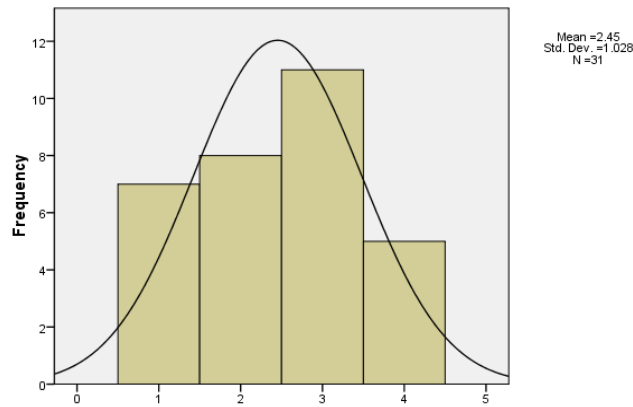
**FIGURE 2.** Confirmation

Figure 2 shows the histogram plot for Confirmation from the figure it is clearly seen that the data are slightly Left skewed due to more respondents choosing 3 for Confirmation except for the 3 values all other values are under the normal curve shows model is significantly following a normal distribution.



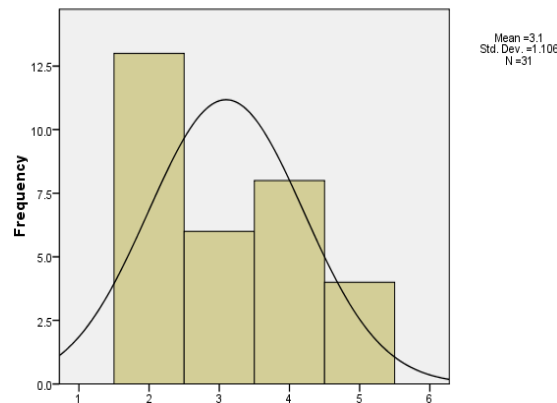
**FIGURE 3.** Avoidance

Figure 3 shows the histogram plot for Avoidance from the figure it is clearly seen that the data are slightly Left skewed due to more respondents choosing 4 for Avoidance except for the 4 values all other values are under the normal curve shows model is significantly following a normal distribution.



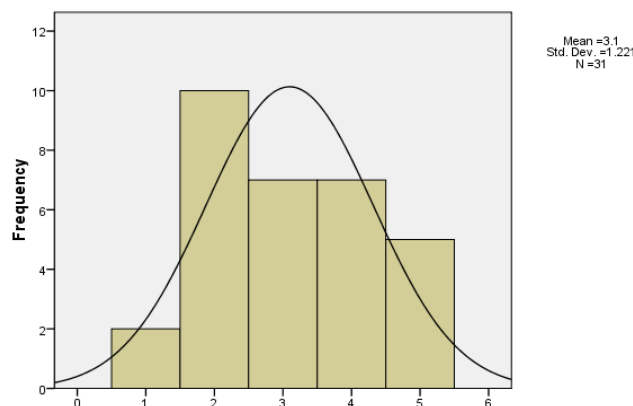
**FIGURE 4.** Competition

Figure 4 shows the histogram plot for Competition from the figure it is clearly seen that the data are slightly Left skewed due to more respondents choosing 3 for Competition except for the 3 values all other values are under the normal curve shows model is significantly following a normal distribution.



**FIGURE 5.** Effective management

Figure 5 shows the histogram plot for Effective management from the figure it is clearly seen that the data are slightly Left skewed due to more respondents choosing 2 for Effective management except for the 2 values all other values are under the normal curve shows model is significantly following a normal distribution.



**FIGURE 6.** Constructive conflict

Figure 6 shows the histogram plot for Constructive conflict from the figure it is clearly seen that the data are slightly Left skewed due to more respondents choosing 2 for Constructive conflict except for the 2 values all other values are under the normal curve shows model is significantly following a normal distribution.

**TABLE 5.** Correlations

Correlations						
	Co-operation	Confirmation	Avoidance	Competition	Effective management	Constructive conflict
Co-operation	1	0.072	0.26	.466**	0.08	0.231
Confirmation	0.072	1	0.116	0.193	0.214	0.111
Avoidance	0.26	0.116	1	0.127	0.123	0.092
Competition	.466**	0.193	0.127	1	0.098	0.123
Effective management	0.08	0.214	0.123	0.098	1	0.018
Constructive conflict	0.231	0.111	0.092	0.123	0.018	1

Table 5 shows the correlation between motivation parameters for Co-operation for Competition is having the highest correlation with Effective management is having lowest correlation. Next, the correlation between motivation parameters for Confirmation for Effective management is having the highest correlation with Constructive conflict having the lowest correlation. Next, the correlation between motivation parameters for Avoidance for Organic Photovoltaics is having the highest correlation with Perovskite Solar having the lowest correlation. Next, the correlation between motivation parameters for Competition for Co-operation is having the highest correlation with Effective management having the lowest correlation. Next, the correlation between motivation parameters for Effective management for Confirmation is having the highest correlation with Constructive conflict having the lowest correlation. Next, the correlation between motivation parameters for Constructive conflict for Co-operation is having the highest correlation with Effective management having the lowest correlation.

#### 4. CONCLUSION

The benefit of a matrix is that different people working on a project can acquire expertise in several sectors, bringing a variety of experiences and information to the project. Each type of organizational design has advantages and disadvantages of its own. For instance, if the computer system is accepted, the projects will be less advanced than if the lagging proposed system mainly is chosen. THE MACHINE crafted to maximize the advantages of both kinds trying. Standard Products Co.'s history from functionality to a pure team structure Explains. To create innovative items, high technology is needed. Normal clearance procedures were followed in order to implement the process, and these products swiftly can advertise it while maintaining a competitive edge. First free flowing is Confederation is another group that was founded with the aerospace industry in mind. Matrix system operation and planning based on institutional form selection Is growing, yet it is not confined to a fundamentals of power structure. Behavior Science research currently offers a middle ground between project and practical peaks that enables you to define options in forms. Organizational processes, perceptions of roles, and the method's approach structure. Support current hierarchical channels in full matrix technology Establishes appropriate, lateral channels of communication and prior knowledge to manipulate information Improvements in organizational decision-making have frequently been discovered by researchers. The establishment of these channels has an impact on the chains of command and the unity of command. In co-operation, participants feel their aims are positively related in that each person's attainment helps others reach their goals. Goals are seen as being negatively related in competition because achieving one objective interferes with achieving another. Team members are working together when they want to finish the project quickly; they are competing when they want to prove to their boss than they are doing a better job than the other team members. The Cronbach's Alpha Reliability result. The overall Cronbach's Alpha value for the model is .683 which indicates 68% reliability. From the literature review, the above 49% Cronbach's Alpha value model can be considered for analysis.

#### REFERENCES

- [1]. Galbraith, Jay R. "Matrix organization designs How to combine functional and project forms." *Business horizons* 14, no. 1 (1971): 29-40.
- [2]. Peters, Thomas J. "Beyond the matrix organization." *Business Horizons* 22, no. 10 (1979): 15-27.
- [3]. Kuprenas, John A. "Implementation and performance of a matrix organization structure." *International Journal of Project Management* 21, no. 1 (2003): 51-62.

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- [4]. Ford, Robert C., and W. Alan Randolph. "Cross-functional structures: A review and integration of matrix organization and project management." *Journal of management* 18, no. 2 (1992): 267-294.
- [5]. Striteska, Michaela, and Marketa Spickova. "Review and comparison of performance measurement systems." *Journal of Organizational Management Studies* 2012 (2012): 1.
- [6]. Barker, Jeffrey, Dean Tjosvold, and I. Robert Andrews. "Conflict approaches of effective and ineffective project managers: A field study in a matrix organization [1]." *Journal of Management Studies* 25, no. 2 (1988): 167-178.
- [7]. Nakagawa, Shigenori, Pamela Pawelek, and Frederick Grinnell. "Extracellular matrix organization modulates fibroblast growth factor signaling." *Journal of Cell Biology* 167, no. 2 (2004): 281-291.
- [8]. Barker, Thomas H., Gretchen Baneyx, Marina Cardó-Vila, Gail A. Workman, Matt Weaver, Priya M. Menon, Shoukat Dedhar et al. "SPARC regulates extracellular matrix organization through its modulation of integrin-linked kinase activity." *Journal of Biological Chemistry* 280, no. 43 (2005): 36483-36493.
- [9]. Garavello-Freitas, I., V. Baranauskas, P. P. Joazeiro, C. R. Padovani, M. Dal Pai-Silva, and Maria Alice da Cruz-Höfling. "Low-power laser irradiation improves histomorphometrical parameters and bone matrix organization during tibia wound healing in rats." *Journal of Photochemistry and Photobiology B: Biology* 70, no. 2 (2003): 81-89.
- [10]. S. Harshitha, Abrar Hussain, M. Ramachandran, Vimala Saravanan, "Benefits of Business Communication Skills and Application", /Recent trends in Management and Commerce 4(2), 2023: 64-74.
- [11]. Zaman, Muhammad H., Paul Matsudaira, and Douglas A. Lauffenburger. "Understanding effects of matrix protease and matrix organization on directional persistence and translational speed in three-dimensional cell migration." *Annals of biomedical engineering* 35, no. 1 (2007): 91-100.
- [12]. Lincoln, Joy, Ralf Kist, Gerd Scherer, and Katherine E. Yutzey. "Sox9 is required for precursor cell expansion and extracellular matrix organization during mouse heart valve development." *Developmental biology* 305, no. 1 (2007): 120-132.
- [13]. Jisha, L., P. Jayaprabha, S. Gnanawel, K. Gowtham Kumar, and P. Kogila. "Assessment of the Prevalence of Febrile Seizure and Associated Factors among Children: A Retrospective Study." *EXECUTIVE EDITOR* 11, no. 03 (2020): 3179.
- [14]. McCollum, James K., and J. Daniel Sherman. "The effects of matrix organization size and number of project assignments on performance." *IEEE Transactions on Engineering Management* 38, no. 1 (1991): 75-78.
- [15]. Gavish, Matan, and Ronald R. Coifman. "Sampling, denoising and compression of matrices by coherent matrix organization." *Applied and Computational Harmonic Analysis* 33, no. 3 (2012): 354-369.
- [16]. Camaioni, Antonella, Vincent C. Hascall, Masaki Yanagishita, and A. Salustri. "Effects of exogenous hyaluronic acid and serum on matrix organization and stability in the mouse cumulus cell-oocyte complex." *Journal of Biological Chemistry* 268, no. 27 (1993): 20473-20481.
- [17]. Bayne, Ellen Kahn, M. John Anderson, and Douglas M. Fambrough. "Extracellular matrix organization in developing muscle: correlation with acetylcholine receptor aggregates." *The Journal of cell biology* 99, no. 4 (1984): 1486-1501.
- [18]. N. Vinay, M. Sudha, M. Ramachandran, Chandrasekar Raja, "Maximizing the Benefits of Conflict Management In Business", Recent trends in Management and Commerce 4(2), 2023: 58-63.
- [19]. Berthet, Ellora, Carol Chen, Kristin Butcher, Richard A. Schneider, Tamara Alliston, and Mohana Amirtharajah. "Smad3 binds Scleraxis and Mohawk and regulates tendon matrix organization." *Journal of Orthopaedic Research* 31, no. 9 (2013): 1475-1483.
- [20]. Kogila, P. "Prevention of home accidents among mothers of toddler." *The Journal of Nursing Trends* 8, no. 3 (2017): 15-17.
- [21]. Merwin, June Rae, James M. Anderson, Olivier Kocher, Christina M. Van Itallie, and Joseph A. Madri. "Transforming growth factor beta1 modulates extracellular matrix organization and cell-cell junctional complex formation during in vitro angiogenesis." *Journal of cellular physiology* 142, no. 1 (1990): 117-128.
- [22]. Parisien, Marc, Alexander Samoshkin, Shannon N. Tansley, Marjo H. Piltonen, Loren J. Martin, Nehme El-Hachem, Concetta Dagostino et al. "Genetic pathway analysis reveals a major role for extracellular matrix organization in inflammatory and neuropathic pain." *Pain* 160, no. 4 (2019): 932-944.
- [23]. Lechguer, A. Nait, M. L. Couble, N. Labert, S. Kuchler-Bopp, L. Keller, H. Magloire, F. Bleicher, and H. Lesot. "Cell differentiation and matrix organization in engineered teeth." *Journal of dental research* 90, no. 5 (2011): 583-589.
- [24]. Gutu, Birhanu, Genevieve Legese, Nigussie Fikadu, Birhanu Kumela, Firafan Shuma, Wakgari Mosisa, Zelalem Regassa et al. "Assessment of preventive behavior and associated factors towards COVID-19 in Qellam Wallaga Zone, Oromia, Ethiopia: A community-based cross-sectional study." *PloS one* 16, no. 4 (2021): e0251062.
- [25]. ALROY, JOSEPH, MARK HASKINS, and DAVID E. BIRK. "Altered corneal stromal matrix organization is associated with mucopolysaccharidosis I, III and VI." *Experimental eye research* 68, no. 5 (1999): 523-530.
- [26]. Hisaoka, Masanori, Joji Haratake, and Hiroshi Hashimoto. "Pancreatic morphogenesis and extracellular matrix organization during rat development." *Differentiation* 53, no. 3 (1993): 163-172.
- [27]. Nehal Sreekumar, Abrar Hussain, M. Ramachandran, Vimala Saravanan, "A Study on Marketing and Communication in Banking Sector", Recent trends in Management and Commerce 4(2) 2023, 51-57.
- [28]. Dumas, Virginie, Aline Rattner, Laurence Vico, Eric Audouard, Jean Claude Dumas, Pierre Naisson, and Philippe Bertrand. "Multiscale grooved titanium processed with femtosecond laser influences mesenchymal stem cell adhesion and proliferation." *Journal of Biomedical Materials Research Part B: Applied Biomaterials* 82, no. 2 (2010): 381-391.
-



- cell morphology, adhesion, and matrix organization." *Journal of Biomedical Materials Research Part A* 100, no. 11 (2012): 3108-3116.
- [29]. Gandhi, Mohd Asif, Vusal Karimli Maharram, G. Raja, S. P. Sellapaandi, Ketan Rathor, and Kamlesh Singh. "A Novel Method for Exploring the Store Sales Forecasting using Fuzzy Pruning LS-SVM Approach." In *2023 2nd International Conference on Edge Computing and Applications (ICECAA)*, pp. 537-543. IEEE, 2023.
- [30]. Palanimuthu, Kogila, Eshetu Fikadu Hamba Yigazu, Gemechu Gelalcha, Yirgalem Bekele, Getachew Birhanu, and Birhanu Gutu. "Assessment of Stress, Fear, Anxiety and Depression on COVID-19 Outbreak among Adults in South-Western Ethiopia." *Prof.(Dr) RK Sharma* 21, no. 1 (2021): 440.
- [31]. Turner, Susan G., Dawn R. Utley, and Jerry D. Westbrook. "Project managers and functional managers: A case study of job satisfaction in a matrix organization." *Project Management Journal* 29, no. 3 (1998): 11-19.
- [32]. Khadilkar, Rohan J., Kevin YL Ho, Bhavya Venkatesh, and Guy Tanentzapf. "Integrins modulate extracellular matrix organization to control cell signaling during hematopoiesis." *Current Biology* 30, no. 17 (2020): 3316-3329.
- [33]. Shreya, Abrar Hussain, M. Ramachandran, Kurinjimalar Ramu, "Exploring VeriousTax Management and Board Responsibility", *Recent trends in Management and Commerce* 4(2) 2023, 44-50.
- [34]. Deb, Barnali, Krishna Patel, Gajanan Sathe, and Prashant Kumar. "N-glycoproteomic profiling reveals alteration in extracellular matrix organization in non-type bladder carcinoma." *Journal of clinical medicine* 8, no. 9 (2019): 1303.
- [35]. Forman-Rubinsky, Rachel, Jennifer D. Cohen, and Meera V. Sundaram. "Lipocalins are required for apical extracellular matrix organization and remodeling in *Caenorhabditis elegans*." *Genetics* 207, no. 2 (2017): 625-642.
- [36]. Rathor, Ketan, Shanker Chandre, Alagu Thillaivanan, M. Naga Raju, Vinit Sikka, and Kamlesh Singh. "Archimedes Optimization with Enhanced Deep Learning based Recommendation System for Drug Supply Chain Management." In *2023 2nd International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN)*, pp. 1-6. IEEE, 2023.
- [37]. Alexandrova, A., A. Ivanov, P. Chumakov, B. Kopnin, and J. Vasiliev. "Changes in p53 expression in mouse fibroblasts can modify motility and extracellular matrix organization." *Oncogene* 19, no. 50 (2000): 5826-5830.
- [38]. Gonçalves Trentin, Andréa, Cláudia Beatriz Nedel Mendes De Aguiar, Ricardo Castilho Garcez, and Marcio Alvarez-Silva. "Thyroid hormone modulates the extracellular matrix organization and expression in cerebellar astrocyte: effects on astrocyte adhesion." *Glia* 42, no. 4 (2003): 359-369.
- [39]. Aswini, S., S. Tharaniya, R. J. Joey Persul, B. Avinash Lingam, and P. Kogila. "Assessment of Knowledge, Attitude and Practice on Immunization among Primi Mothers of Children." *Indian Journal of Public Health Research & Development* 11, no. 3 (2020).
- [40]. Deutsch, Morton. "A theory of co-operation and competition." *Human relations* 2, no. 2 (1949): 129-152.
- [41]. V. Vineel Vijay, T. N. Harshitha, M. Ramachandran, Vimala Saravanan, "The Efficiency of Small Financial Institutions", *Recent trends in Management and Commerce* 4(2), 2023: 35-43.
- [42]. Christensen, David. "Measuring confirmation." *The Journal of Philosophy* 96, no. 9 (1999): 437-461.
- [43]. Rathor, Ketan, Jaspreet Kaur, Ullal Akshatha Nayak, S. Kaliappan, Ramya Maranan, and V. Kalpana. "Technological Evaluation and Software Bug Training using Genetic Algorithm and Time Convolution Neural Network (GA-TCN)." In *2023 Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS)*, pp. 7-12. IEEE, 2023.
- [44]. Herrnstein, Richard J. "Method and theory in the study of avoidance." *Psychological review* 76, no. 1 (1969): 49.
- [45]. Vickers, John. "Concepts of competition." *Oxford Economic Papers* 47, no. 1 (1995): 1-23.
- [46]. Rathor, Ketan, S. Vidya, M. Jeeva, M. Karthivel, Shubhangi N. Ghate, and V. Malathy. "Intelligent System for ATM Fraud Detection System using C-LSTM Approach." In *2023 4th International Conference on Electronics and Sustainable Communication Systems (ICESC)*, pp. 1439-1444. IEEE, 2023.
- [47]. Krishna, S. Rama, Ketan Rathor, Jarabala Ranga, Anita Soni, D. Srinivas, and Anil Kumar. "Artificial Intelligence Integrated with Big Data Analytics for Enhanced Marketing." In *2023 International Conference on Inventive Computation Technologies (ICICT)*, pp. 1073-1077. IEEE, 2023.
- [48]. Kotter, John P. "Power, Dependence, and Effective Management." *Harvard Business Review* 55, no. 4 (1977): 125-136.
- [49]. Deutsch, Morton. "Constructive conflict resolution: Principles, training, and research." *Journal of social issues* 50, no. 1 (1994): 13-32.