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# THE EFFECT OF LEGAL FRAMEWORK AND INTEGRITY ON INTENTION TO USE INTERNET OF THINGS

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#### ARTICLE HISTORY

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#### KEYWORDS

IoT, Legal Framework, Intention to Use, Health care

#### **ABSTRACT**

The aim of research is to specify the effect of legal framework and integrity on Intention to Use IoT. The primary data has been collected through the questionnaire. The secondary data has been collected from electronic websites, reports, books, Journals etc. The collected data has been statistically analyzed using appropriate statistical test. we used various statistical methods for reliability and hypotheses test such as cronbach's alpha, multiple linear regression test. After analyzing the data and testing the hypotheses, the study revealed that legal framework and integrity have a significant statistical impact on the Intention to Use IoT and which explains (13% and 23% respectively) of the variation in independent factor. The findings of the study revealed that a lot of respondents were females almost half of them (70.8%). In addition, 19.1% respondents are still not ready to use IoT. Some recommendations have been provided in the last section of this study.

## 1.0 INTRODUCTION

e are witnessing a new era of the world of the Internet era of modern communication model (the Internet of things), which is a network interconnection of daily life with very precise devices that make it able to communicate with a wide range of daily devices with each other and a good example of home appliance. Researchers are also working on developing a large number of applications to provide new services to users, such as medical assistance, cars, mobile health care and other applications in other areas. The Internet of Things has gained great interest from researchers from all over the world, where it will make the Internet more immersive and widespread through access to a wide range of devices as the researchers said that human life will become between truth and fiction The continents of the world is a small country in one place, the near future to communicate with users, companies and all departments. Therefore, the current study is going to answer the following research question what are the impacts of legal framework and integrity on intention to use IoT? Furthermore, the study aims to identify the impacts of legal framework and integrity on intention to use.

## 2.0 REVIEW OF LITERATURE

The study presented (Weber, 2015) challenges that may face the users of Internet of things to protect the privacy of individuals and also highlighted the growing need to protect the privacy of individuals and their rights, and as a result of the study must develop new legal approaches to protect users' data as well as use the minimum possible From personal data to its impact on users and enhance privacy transparency.

The study conducted (Hsu & Lin, 2016), an empirical examination of consumer adoption of Internet of Things services: Network externalities and concern for information privacy perspectives that the number of users of the Internet of things continues to increase for daily applications Research on the pilot survey of users was collected 508 users and the results indicated that the external factors of the network plays an important role in its impact on consumers and privacy concerns have a weak impact.

The study carried out (Fabiano, 2017) as an Internet of Things and Blockchain: Legal Issues, Privacy, and the Challenge for a Privacy Standard to consider legal issues related to data protection and privacy use and also discussed the European General Data Protection Regulation (GDPR) in increasing security measures to protect privacy data Legal privacy standards have an impact on increasing IoT usage. The study conducted by (Park et al., 2017), focused on Comprehensive Approaches to User Acceptance of Internet of Things in a Smart Home Environment) on the user experience and acceptance in the use of IoT technologies in the context of the home environment. The study also discussed the possible factors of acceptance and intention of use. Accept the intention to use the Internet of Things through the results of the data collected by the study.

Internet-of-Things and Smart Homes for Elderly Healthcare: An End User perspective (Pal et al., 2018) explains that the use of IoT in homes, health care for users and the intention of use. The study conducted an online survey of 254 users and analysed that the intention of use has a positive impact on the behavioural environment of care Health users.



(M. Farooque et al., 2021) assess the acceptance of social commerce by collecting data through questionnaires. The variables such as "Familiarity" (F), "Trust" (T), "Perceived usefulness" (PU), "Perceived ease of use" (PEU), "Intention to Purchase" (IP) were selected. The results indicated that all hypotheses were supported. The F, T and PEU, and PU were found to be positive and significant related to intention to purchase. Amongst the four, p value of F was found to be the lowest and PU was found to be the highest. This indicate F was strong indicator of IP as compared to others.

In other and general domain, the machine learning has also been adopted in various fields by the researchers' like for finding out customer agitate in a hypermarkets (M A Khan et al., 2016), also being used in the area of digital marketing (Alraja & Malkawi, 2015; Jamil & Mohammed, 2015). (Sayyad et al., 2020) (ALraja & Aref, 2015; Alraja & Said Kashoob, 2019; Mohammed Aref & Alshahri, 2021), studied of the Use of technology and technology acceptance. (Malkawi et al., 2010) studied the academic for e-examination process (Uddin et al., 2016), (Shanga et al., 2018).

Similarly, in healthcare domain (Junaid Farooque et al., 2016) (Chicha et al., 2021; Rasheed et al., 2021) the technology been used. The automobile industry is also much relient on use of technology and usage of advent techniques (M Aref, 2016)(Mohammed Ahmar Khan et al., 2016) (Abdul Rasheed, 2014; Abdul Rasheed & Alraja, 2015; M Aref, 2016; Mohammed et al., 2020). (Sable, G., Farooque, M. M. J., & Rajput, 2020) used semantic analysis for age prediction of opinions in social media. The technology acceptance is moderately high in the social media domain as studied by (Murtaza M Junaid Farooque & Aref, 2019) (Alraja et al., 2020) (Alkhaldi et al., 2017) (Murtaza Mohiuddin Junaid Farooque et al., 2020) (Alraja et al., 2019) (Junaid Farooque et al., 2016). The interesting studied have been conducted such as information system audition (Alraja & Alomian, 2013a), empowerment and analysing environment impact (Alraja & Alomian, 2013b; De et al., 2021). The use of technology for sustainable development is utmost important (Alraja, Hussein, et al., 2021; M Aref, 2016; Sayed et al., 2008). The various examples represented by (Khan, Sarfaraz; Saayad, Samee; Aref, 2015) and supported by technology play the significant role in usage of technology (Mohammed Ahmar Khan et al., 2016)(M A Khan et al., 2016). The study of SMEs via technological support have been studied (Alraja et al., 2020). The Use of IoT and other technologies can be adopted for betterment of mankind. (Alkhariji et al., 2021; Alraja, Barhamgi, et al., 2021; Bou-ChaayaKaram et al., 2021)(Mohammad Ahmar Khan et al., 2019).

## 3.0 METHODOLOGY

The study conducted a survey on the intention to use the Internet of Things and concerns. The results of the analysis reached answers in the privacy and security issues and have an impact on the management of personal information and protection of Internet. In this case, the legal variables and integrity of the use of the Internet of Things, which studied in the research the Effect of legal framework and integrity on Intention to Use IoT that the availability of the variable (legal) with the variable. Hence, the study suggested the following hypotheses:

H1: legal framework will have a direct positive influence on intention to use.

H2: integrity will have a direct positive influence on intention to use. The following methodology was adopted to evaluate and compare the different Translation software in comparison with human translators.

# 3.1 Population and sample

The sample of this study is the population of different cities at Dhofar Region to investigate the Omani people attitudes forward using. Data collected from 65 persons randomly. The primary data was collected through questionnaire.

# 3.2 Data Analysis

The collected was statistically analyzed using appropriate statistical test. The study used various statistical methods for reliability and hypotheses test such as cronbach's alpha, multiple linear regression test (Alraja et al., 2016; Alraja & Chikhi, 2015; Hussein et al., 2017) shown in table 1.

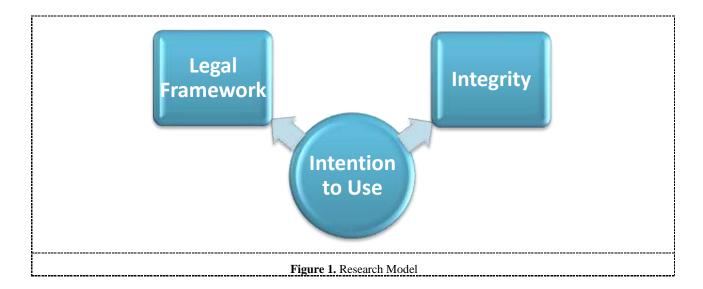
# 4.0 RESULTS

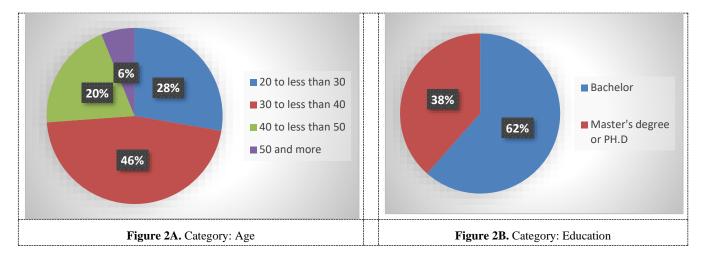
To make sure of the reliability of study tool and Cronbach's alpha was conducted (Alkhaldi et al., 2017; Alraja, 2015, 2016). The figure 1 shows the model used in the study. The descriptive analysis results have been shown in following tables.

**Table 1: Reliability Statistics** 

	Cronbach's Alpha	N of Items
Intention to use IOT	.897	2
Legal	.627	2
Integrity	.733	2







**Table 2: Descriptive Statistics** 

Variable	Mean	Standard Deviation
Legal	3.7308	0.89738
Integrity	4.1385	0.79798
Intention to use IOT	4.0154	0.78546

**Table 3A: Model Summary** 

Model	R	R Square	Adjusted R	Std. Error of
		_	Square	the Estimate
1	0.361a	0.130	0.116	0.73839

Predictors: (Constant), Legal



Table 3B: ANOVA a

Model		Sum of Squares	df	Mean Square	F	Sig.
	Regression	5.136	1	5.136	9.420	0.003
1	Residual	34.349	63	0.545		
	Total	39.485	64			

a. Dependent Variable: Intention to use IOT

Predictors: (Constant), Legal

Table 3C: Coefficients <sup>a</sup>

Model			ndardized ficients	Standardized Coefficients	t	Sig.
	•	В	Std. Error	Beta	_	
1	(Constant)	2.838	.395		7.193	.000
1	Legal	.316	.103	.361	3.069	.003

a. Dependent Variable: Intention to use IOT

**Table 4A: Model Summary** 

Mode	R	R Square	Adjusted	R	Std. Error of
1			Square		the Estimate
1	0.483a	0.233	0.221		0.69335

a. Predictors: (Constant), Integrity

Table 4B: ANOVA a

Model		Sum of Squares	df	Mean Square	F	Sig.
	Regression	9.198	1	9.198	19.134	0.000b
1	Residual	30.286	63	0.481		
	Total	39.485	64			

a. Dependent Variable: Intention to use IOT

Predictors: (Constant), Integrity

Table 4C: Coefficients a

Model			ndardized ficients	Standardized Coefficients	t	Sig.
		В	Std. Error	Beta		
1	(Constant)	2.049	0.458		4.478	0.000
1	Integrity	0.475	0.109	0.483	4.374	0.000

a. Dependent Variable: Intention to use IOT



#### 4.1 Hypothesis Testing

To test the hypotheses Simple Linear Regression and Multiple Regression Test was conducted.

First hypothesis: Simple Linear Regression used to test the first hypothesis, the results have been shown in tables 3a, 3b & 3c.

Depending on the results of regression analysis, Legal as it seen in table (14) affect directly ( $\beta$  = 0.361) on Intention to use IOT, as it shown from table (12) (R2 = 0.130) This means that Legal have been interpreted (13%) of the variance in Intention to use IOT , and also we noted from table (13) that the value of the statistical test (F = 9.420) is statistically significant at (P < 0.003).

Second hypothesis: Simple Linear Regression used to test the second hypothesis; the results have been shown in tables 4a, 4b & 4c. Depending on the results of regression analysis, Legal as it seen in table (17) affect directly ( $\beta=0.483$ ) on Intention to use IOT  $\,$ , as it shown from table (15) (R2 = 0.233) This means that Integrity have been interpreted (23.3%) of the variance in Intention to use IOT  $\,$ , and also we noted from table (16) that the value of the statistical test (F = 19.134) is statistically significant at (P < 0.000).

#### References

- Abdul Rasheed, M. A. (2014). Adoption of Data Mining Technique to find the Condition of an Automobile Machine. *ISSN:* 2289-7615Page13International Journal of Information System and Engineering, 2(1), 13–19.
- Abdul Rasheed, M. A., & Alraja, M. N. (2015). Data Mining Approach To Assess Condition Of Rotating Machine Using Sound Signal. *Journal of Theoretical and Applied Information Technology*, 80(1), 173–178. www.jatit.org
- Alkhaldi, F. M., Hammami, S. M., Kasem, S., Rashed, A., & Alraja, M. N. (2017). Enterprise System as Business Intelligence and Knowledge Capabilities for Enhancing Applications and Practices of IT Governance. International Journal of Organizational and Collective Intelligence (IJOCI), 7(2), 63–77. https://doi.org/10.4018/IJOCI.2017040105
- Alkhariji, L., Alhirabi, N., Alraja, M. N., Barhamgi, M., Rana, O., & Perera, C. (2021). Synthesising Privacy by Design Knowledge Towards Explainable Internet of Things Application Designing in Healthcare. *ACM Transactions on Multimedia Computing, Communications, and Applications (TOMM)*, 17(2s), 1–29. https://doi.org/10.1145/3434186
- Alraja, M. N. (2015). User Acceptance of Information Technology: A Field Study of an E-Mail System Adoption from the Individual Students' Perspective. *Mediterranean Journal of Social Sciences*, 6(6 s1), 19–25. https://doi.org/10.5901/mjss.2015.v6n6s1p19
- Alraja, M. N. (2016). The effect of social influence and facilitating conditions on e-government acceptance from the individual employees' perspective | Efekt Wpływu Społecznego Oraz Warunków Ułatwiających Akceptację E-Administracji Z Punktu Widzenia Indywidualnych Pracowników. Polish Journal of Management Studies, 14(2). https://doi.org/10.17512/pjms.2016.14.2.02
- Alraja, M. N., & Alomian, N. R. (2013a). The Effect of General Controls of Information System Auditing in the

## 5.0 FINDINGS

After analysing the data, it was found that legal and integrity have a significant statistical impact on the intention to use IOT, through the results of the analysis that we reached and the results of the hypotheses, and the study explains the difference in the independent variable. The study found that many respondents are almost ready to use IOT. In addition, there are individuals from the sample who are still unwilling to use IOT. Many people still prefer the traditional method. Therefore, we still need to focus on people's awareness about using the Internet of things and how they can benefit from using it.

#### 5.1 Recommendations & Limitations

At the end of this research, there are few recommendations or some suggestions as follows:

- Promote people's background on IOT
- Encourage people to use IOT by facilitating the instructions they need to use the system and making the tools easy to use.
  - Performance of Information Systems: Field Study. *Interdisciplinary Journal Of Contemporary Research In Business*, 5(3), 356–370. https://www.researchgate.net/publication/281465359
  - Alraja, M. N., & Alomian, N. R. (2013b). The Effect Of Information Technology In Empowerment Public Sector Employees: A Field Study. *Interdisciplinary Journal Of* Contemporary Research In Business, 5(1), 805–815. https://journal-archieves32.webs.com/805-815.pdf
  - ALraja, M. N., & Aref, M. (2015). Customer acceptance of ecommerce: Integrating Perceived Risk with TAM. International Journal of Applied Business and Economic Research, 13(2), 913–921.
  - Alraja, M. N., Barhamgi, H., Rattrout, A., & Barhamgi, M. (2021). An integrated framework for privacy protection in IoT Applied to smart healthcare. *Computers & Electrical Engineering*, 91, 107060. https://doi.org/10.1016/j.compeleceng.2021.107060
- Alraja, M. N., & Chikhi, B. (2015). Perceived Factors affecting Customers Attitudes toward Electronic Shopping: an Empirical Study. *International Journal of Economic Research*, 12(3), 815–823. http://serialsjournals.com/abstract/51627\_17.pdf
- Alraja, M. N., Farooque, M. M. J., & Khashab, B. (2019). The Effect of Security, Privacy, Familiarity, and Trust on Users' Attitudes Toward the Use of the IoT-Based Healthcare: The Mediation Role of Risk Perception. *IEEE Access*, 7, 111341–111354. https://doi.org/10.1109/ACCESS.2019.2904006
- Alraja, M. N., Hussein, M. A., & Ahmed, H. M. S. (2021). What affects digitalization process in developing economies? an evidence from SMEs sector in Oman. *Bulletin of Electrical Engineering and Informatics*, 10(1). https://doi.org/10.11591/EEI.V1011.2033
- Alraja, M. N., Khan, S. F., Khashab, B., & Aldaas, R. (2020).
  Does Facebook Commerce Enhance SMEs Performance?
  A Structural Equation Analysis of Omani SMEs. SAGE



- *Open*, 10(1), 215824401990018–215824401990018. https://doi.org/10.1177/2158244019900186
- Alraja, M. N., & Malkawi, N. M. M. A. (2015). E-Business adoption in banking sector: Empirical study. *Indian Journal of Science and Technology*, 8(27), 1–7. https://doi.org/10.17485/ijst/2015/v8i27/70739
- Alraja, M. N., & Said Kashoob, M. A. (2019). Transformation to electronic purchasing: an empirical investigation. TELKOMNIKA (Telecommunication Computing Electronics and Control), 17(3), 1209. https://doi.org/10.12928/telkomnika.v17i3.9390
- Alraja, M. N., Salim, B. F., Uddin, M. A., & Yousoof, M. (2016). The adoption of internet banking: Clients' perspective in Oman. International Review of Management and Marketing, 6(4).
- Aref, M. (2016). Fault reporting process of business information systems. *International Journal of Economic Research*, 13(5), 2277–2283. https://www.researchgate.net/publication/310490290\_Fau lt\_reporting\_process\_of\_business\_information\_systems
- Aref, Mohammed, & Alshahri, N. B. (2021). The Effect Of Introjected Perceived Locus Of Control And Trust On Intention To Use Ecommerce Applications. ACCESS Online Journal IJACSSEJournal-International Journal of Advanced Computer Systems and Software Engineering, 1(2), 16–21. https://journal.scientiaca.org/index.php/ijacsse/article/vie w/202
- Bou-ChaayaKaram, ChbeirRichard, Naser, A., ArnouldPhilippe, PereraCharith, BarhamgiMahmoud, & BenslimaneDjamal. (2021). δ-Risk: Toward Contextaware Multi-objective Privacy Management in Connected Environments. *ACM Transactions on Internet Technology* (*TOIT*), 21(2), 1–31. https://doi.org/10.1145/3418499
- Chicha, E., Bouna, B. Al, Nassar, M., Chbeir, R., Haraty, R. A., Oussalah, M., Benslimane, D., & Alraja, M. N. (2021). A
  User-Centric Mechanism for Sequentially Releasing Graph Datasets under Blowfish Privacy. ACM Transactions on Internet Technology, 21(1), 1–25. https://doi.org/10.1145/3431501
- De, S., Wang, W., Zhou, Y., Perera, C., Moessner, K., & Alraja, M. N. (2021). Analysing environmental impact of large-scale events in public spaces with cross-domain multimodal data fusion. *Computing*, 1–23. https://doi.org/10.1007/s00607-021-00944-8
- Fabiano, N. (2017). Internet of Things and Blockchain: Legal Issues and Privacy. The Challenge for a Privacy Standard. 2017 IEEE International Conference on Internet of Things (IThings) and IEEE Green Computing and Communications (GreenCom) and IEEE Cyber, Physical and Social Computing (CPSCom) and IEEE Smart Data (SmartData), 727–734. https://doi.org/10.1109/iThings-GreenCom-CPSCom-SmartData.2017.112
- Farooque, M., Al Marhoon, S., Al Harizi, S., & Aref, M. (2021).

  Critical Factors for Acceptance of Social Commerce: A
  Case Study in Oman. *The Journal of Asian Finance, Economics and Business*, 8(5), 657–665.

  https://doi.org/10.13106/jafeb.2021.vol8.no5.0657
- Farooque, Murtaza M Junaid, & Aref, M. A. R. (2019). Use of Social Networking Sites in Academics: A Review. *Computer Reviews Journal*, 5, 22–32. http://purkh.com/index.php/tocomp
- Farooque, Murtaza Mohiuddin Junaid, Abdul Rashed, M. A., Khan, M. A. I., FarajAllah, T. K. B., Abdul Rashed, M. A.,

- & Faraj Allah, T. K. B. (2020). Study Of Web Presence Of Omani Media Houses In Gcc A Data Science Prespective. *Allana Inst of Management Sciences, Pune, 10*(2), 9–13. http://www.aimsjournal.org/abstract.php?article id=8946
- Hsu, C.-L., & Lin, J. C.-C. (2016). An Empirical Examination of Consumer Adoption of Internet of Things Services. *Comput. Hum. Behav.*, 62(C), 516–527. https://doi.org/10.1016/j.chb.2016.04.023
- Hussein, M. A., Ahmed, H., & Alraja, M. N. (2017). The adoption of information and communication technology by small and medium enterprises in Oman: Case of Dhofar region. 

  Journal of Business and Retail Management Research (JBRMR), 11(3), 64–71. 

  http://www.jbrmr.com/admin/content/pdf/content\_65013 17-04-22-11-45-45.pdf
- Jamil, S. A., & Mohammed, A. (2015). Digital Oman-Paradigm Shift for Businesses in Oman. Leadership and Its Role in Preparing the Organization for Unprecedented Change. 2nd International Conference on Leadership and Its Role in Preparing the Organization for Unprecedented Change.
- Junaid Farooque, M. M., Aref, M., Khan, M. I., & Mohammed, S. (2016). Data Mining application in classification scheme of human subjects according to ayurvedic prakruti - temperament. *Indian Journal of Science and Technology*, 9(13), 1–4. https://doi.org/10.17485/ijst/2016/v9i13/84658
- Khan, Sarfaraz; Saayad, Samee; Aref, M. (2015). Performance Based Comparative Study of Sorting Algorithm. International Journal of Multidisciplinary Research, IV(7 (II)), 49–53.
- Khan, M A, Khan, M. I., Aref, M., & Khan, S. (2016). Cluster & Rough Set Theory Based Approach To Find The Reason For Customer Churn. *International Journal of Applied Business and Economic Research*, 14(1), 439–455.
- Khan, Mohammad Ahmar, Khan, S. F., BaOmar, T. A. T. B., & Ba Omar, A. R. M. A. (2019). Development & implementation of smart vehicle over speeding detector using IoT. *Advances in Science, Technology and Engineering Systems*, 4(2), 170–175. https://doi.org/10.25046/aj040222
- Khan, Mohammed Ahmar, Khan, M. A. I., Aref, M., & Farooque, M. (2016). E-marketing a boon for SMEs of Oman. International Journal of Applied Business and Economic Research, 14(1), 233–240.
- Malkawi, N. M. M. A., Alraja, M. N., & Alkhayer, T. (2010). Information Systems Auditing Applied Study at Banks Listed in the Damascus Stock Exchange Syria. European Journal of Economics, Finance & Administrative Sciences, 21, 119.
- Mohammed, T. S., Rasheed, M. A. A., Al-Ani, M. S., Al-Shayea, Q., & Alnaimi, F. B. I. (2020). Fault Diagnosis of Rotating Machine Based on Audio Signal Recognition System: An Efficient Approach. *International Journal of Simulation -- Systems, Science & Technology*, 21(1), 1–8.
- Pal, D., Funilkul, S., Charoenkitkarn, N., & Kanthamanon, P. (2018). Internet-of-Things and Smart Homes for Elderly Healthcare: An End User Perspective. *IEEE Access*, 6(May), 10483–10496. https://doi.org/10.1109/ACCESS.2018.2808472
- Park, E., Cho, Y., Han, J., & Kwon, S. J. (2017). Comprehensive Approaches to User Acceptance of Internet of Things in a Smart Home Environment. *IEEE Internet of Things Journal*, 4(6), 2342–2350. https://doi.org/10.1109/JIOT.2017.2750765



- Rasheed, M. A. A., Junaid Farooque, M. M., Acharya, H. S., Quadri, M. S. A., Abdul Rasheed, M. A., Farooque, M. M. J., Acharya, H. S., & Quadri, M. S. A. (2021). Mathematical Modelling of the Relationship between Two Different Temperament Classifications: During the Covid-19 Pandemic Mohammed. *Emerging Science Journal*, 5(1), 67–76. https://doi.org/10.28991/esj-2021-01258
- Sable, G., Farooque, M. M. J., & Rajput, M. (2020). Pretrained Deep Neural Networks for Age Prediction from Iris Biometrics (First). Taylo & Francis Group, CRC Press. https://www.taylorfrancis.com/chapters/edit/10.1201/978 1003079996-13/pretrained-deep-neural-networks-age-prediction-iris-biometrics-ganesh-sable-murtaza-mohiuddin-junaid-farooque-minakshi-rajput
- Sayed, B. T., Jabeur, N., & Aref, M. (2008). An Archetype to Sustain Knowledge Management Systems through Intranet. *International Journal of Information and Communication Engineering*, 2(638), 634–636.
- Sayyad, S., Mohammed, A., Shaga, V., Kumar, A., & Vengatesan, K. (2020). Digital Marketing Framework Strategies Through Big Data. In A. P. Pandian, T. Senjyu, S. M. S. Islam, & H. Wang (Eds.), Proceeding of the International Conference on Computer Networks, Big Data and IoT (ICCBI 2018) (pp. 1065–1073). Springer International Publishing.
- Shanga, V., Samee, S., Mohammed, A., & Vengatesan, K. (2018). Enhancing Empirical approach in teaching-learning using ICT. *International Journal of Pure and Applied Mathematics*, 118(20), 2727–2734.
- Uddin, M. A., Ahmar, F., & Alraja, M. N. (2016). E-Examinations for Management Students in Oman.

  International Journal of Applied Business and Economic Research, 14(1), 87–95. https://papers.ssrn.com/abstract=2959732
- Weber, R. H. (2015). Internet of things: Privacy issues revisited. Computer Law & Security Review: The International Journal of Technology Law and Practice, 31(5), 618–627. https://doi.org/10.1016/j.clsr.2015.07.002

