ISSN: 2347-65

<u>Bijay Kumar Kandel^{*}</u>

Dr. Jyotirmayee Acharya (Ph.D)**

ABSTRACT

This research study seeks to identify Nepalese Small Family Business (SFBs) owner/managers trust in information technology (IT). We use seven (7) attributes to determine trust. We analyze the attributes using descriptive analysis of SFBs in the Lumbini zone of Nepal. This study uses the results from a survey of 210 SFBs owner/manager. Instrument reliability was measured by Cronbach's alpha. The result indicates that Nepalese SFBs have trust in IT completely; the reason being, the result of statistical analysis on the data revealed that out of the seven attributes; 27 percent SFBs owner/managers strongly agreed that Email is helpful for business communication purpose; 26.7 percent were strongly agreed that they were happy with the technology; 25.7 strongly agreed that they resolve IT problem themselves of with help. 23.3 strongly agreed that IT can boost their business growth. Very few; i.e.10 percent of them strongly disagreed on use of phone/internet bill payment, and 6.7 percent are afraid of using IT.

Keywords: Information Technology; Adoption; Trust; Small Family Business; Nepal

A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories Indexed & Listed at: Ulrich's Periodicals Directory ©, U.S.A., Open J-Gage as well as in Cabell's Directories of Publishing Opportunities, U.S.A.

^{*} School of Management; Faculty of Computing, KIIT University, 751024, India

^{**} School of Management, Sri Sri University, 754006, India

<u>ISSN: 2347-6532</u>

I. INTRODUCTION

A large and growing body of research has examined the role of trust in business. Much of this research has looked at the nature of consumer trust placed in business supporting e-commerce (Kandel and Hota, 2012, Goudarzi et al., 2013; Liu and Datta, 2011; McKnight and Chervany, 2000). Trust in small business has also been explored (Parida, V., Westerberg, M., & Frishammar, J. 2012). What has been generally absent from these investigations, however, is a focus on the small family business and the information technology (IT) trust attributes. Further, specific to Nepalese small family businesses (SFBs) is yet to be researched. Therefore, this study objective of this research study is to identify Nepalese Small Family Business (SFBs) owner/managers trust attributes and perception in information technology (IT). We believe; country like Nepal, business is a social activity and IT is a tool which is an important part of the business progress. Distrust of what businesses do with information technology is an issue throughout the world, but where there may be good justification for such distrust, it could become a serious obstacle to IT growth and business benefits.

II. LITERATURE REVIEW

The concept of trust has been investigated widely across the spectrum of human relationships in many disciplines (Mayer et.al. 1995; McKnight and Chervany 2002; Venkatesh and Davis, 2000). According to Mayer, Davis and Schoorman, (1995); whether the object of trust is another person or an information technology, one trusts the other to the extent that one chooses to depend on the other and reconciles away fears by being willing to become vulnerable to the other without controlling the other. Formally, the overall trust concept means secure willingness to depend on a trustee because of that trustee's perceived characteristics (Rousseau et al., 1998). Researcher Rousseau et al., (1998) suggests three main types of applicable trust concepts: 1. trusting beliefs, 2. trusting intentions, and 3. trusting behaviors. Author, Floridi, (2008); says that the problematic nature of trust in technology becomes evident with the dissemination of information technologies (IT) and the subsequent information revolution, with which artefacts cease to be used mainly to perform physical and fatiguing tasks, and begin to be deployed to execute also intellectual works. Table [1] below; shows adaptation of McKnight et al.'s (2011) distinctions between trust in technology and trust in people.

A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories Indexed & Listed at: Ulrich's Periodicals Directory ©, U.S.A., Open J-Gage as well as in Cabell's Directories of Publishing Opportunities, U.S.A.



Volume 4, Issue 1

<u>ISSN: 2347-6532</u>

		Trust in people	Trust in technology
Contextual condition		Existence of risk or uncertainty,	Existence of risk or uncertainty,
		dependence on other people for	dependence on technology for
		achievement of outcomes	achievement of outcomes
Object of depe	ndence	People (moral agency, volitional	Technology (amoral and non-
		and non-volitional factors)	volitional factors only)
Nature of	Ability	The person possesses the	The technology possesses the
trustor's		competence to deliver the	needed functionality to achieve
expectations:		required outcome	the required outcome.
	Benevolence	The person demonstrates the	The technology is designed to
		will and volition to act caringly	serve the needs of the users.
		and considerately towards the	
		trustor.	
	Integrity	The person consistently acts in a	The technology functions
		manner that is acceptable to the	reliably and predictably without
		trustor.	failing.

Table 1: McKnight et al.'s (2011) distinction between trust in technology and trust in people

This study support McKnight et al.'s (2011) view of the distinction between interpersonal and technology trust. However, we add some points; e.g. trust is perception of human and information technology is a tool. Trust is also a human belief, and trust increases when benefits are more and decreases when risks are high.

A owner/manager's experience with technology and the length of time they have been using IT can be found to have a strong effect on the overall success of IT adoption (Tye and Chau, 1995; Teo et al., 2008). Owner/manager past experience with technology, in terms of exposure and learning, ultimately affects its future choices in adopting technology (Burgelman and Rosenbloom, 1989). This past experience can be measured through time since first acquisition, number and type of technologies or applications adopted, percentage of owner/manager's familiar with the technologies, and the current level of assimilation and integration of the technologies. Osterman (1994); Ichniowski et al. (1995); Freeman et al. (2007), found that younger businesses were more likely to adopt IT, as they have not yet had time to build up an

A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories Indexed & Listed at: Ulrich's Periodicals Directory ©, U.S.A., Open J-Gage as well as in Cabell's Directories of Publishing Opportunities, U.S.A.

International Journal of Engineering & Scientific Research

http://www.ijmra.us

IJESR

entrenched management or practices that would be threatened by the adoption or diffusion. McKnight et al. (2002) suggests that an individuals experiences with a specific technology build knowledge-based trust that influences post-adoption technology use. Lack of communication and involvement with consultant, owners and businesses (Venkatesh and Davis, 2000). Study by Venkatesh and Davis (2000) found that the initiative was a top-down one, distrust between the owners and that the businesses were not sufficiently consulted.

Gap in the Literature

Almost all of the previous studies [Goudarzi et al., 2013; Costante et al., 2012; Liu and Datta, 2011; Wong et al., 2009; Hsu and Wang, 2008; Chang, 2006; Kim and Prabhakar, 2004; Suh and Han, 2003; Pavlou, 2003; Luo, 2002; Lee and Turban, 2001; Fogg et al., 2001; De Ruyter et al., 2001; Bhattacherjee, 2004; McKnight and Chervany, 2000; Venkatesh and Davis, 2000] consider that trust has been dealt with from the customer's perspective. But, trust in specific SFBs has yet to be addressed. For this reason, the problem is that, to date there is no study on IT trust, SFB and Nepal. Therefore, the main aim of this study is to see Nepalese SFBs trust in information technology (IT) in districts in Lumbini Zone of Nepal.

For this study; the owner/manager's previous experience and feeling Table [2] is an essential factor in deciding the reliability of the IT.

	Attributes	References
a.	Feeling	Venkatesh et al. (2011); McKnight et al. (2002);
b.	Experiencing	McKnight and Chervany (2001)
Source	e: own compilation	

Table 2: Classification of Trust in Technology Attributes

III. METHODOLOGY

A. Quantitative Method

Here, to fully understand the IT trust of Nepalese SFBs, the quantitative method is used. Survey research approach was found to be suitable for identifying the frequency of certain characteristics amongst population or groups. As the study aims to test the perception of IT by

the SFBs, the total population of the study covered SFBs owner/manager only from selected districts of Lumbini zone, Nepal.

Review of statistics study conducted by Sharma (2012) suggests that up to 1990/91 total registered cottage industries under Department of Cottage and Small Industries were 47,426 which reached 2,16,663 in 2009/10 of which only 60.3 percent of small enterprises were found to be registered. Author also suggests that most of the micro-enterprises established so far are either agro-based, forest-based, or livestock-based and rest of them are metal based, weaving, and restaurant. All these mentioned categories are excluded in this research. Therefore, after excluding 65% this research estimated population is 34,153 SFBs in Gulmi, Palpa, Rupandhai and Kapilvastu; Nepal.

Sample Size

The population of the study covered four districts owners only from Gulmi, Kapilvastu, Rupandhai and Palpa. Sample size based on the criterion specified in Krejcie & Morgan's (1970), the adequate sample size for this level is 380 participants. However, while this research aims to achieve the optimum number of 380 readable responses, a sample size of 200 or over will be considered sufficient according to Table [1], which was based on the summary of several hundred studies representing a very broad sample size (Aaker et al. 2004; Hallal 2010).

	Table 3:	Seymour	Sudman recomme	ended guidelin	nes of the sample size
Details			141	Institutions	
Number	of s	ubgroup	National		Regional or special
analyses					
None or few			200 - 500		50 - 200
Average			500-1000		200 - 500
Many			1000+		500+

Source: adopted from Aaker et al. (2004)

A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories Indexed & Listed at: Ulrich's Periodicals Directory ©, U.S.A., Open J-Gage as well as in Cabell's Directories of Publishing Opportunities, U.S.A.

Volume 4, Issue 1

<u>ISSN: 2347-6532</u>

According to Hair (2010), factor analysis is an interdependence technique used to define the underlying structure among variables in the analysis, which are the building blocks of relationships. The authors recommend that the sample size should not be fewer than 50 but preferably 100 or larger. The suggested sample size (100 or larger) complies with Roscoe (1975) proposal that sample size larger than 30 and/or less than 500 are appropriate for most research projects (Sekaran 2000). Taking this into account, this study recognizes the possible limitations of the minimum sample sizes (insensitive) and very large sample sizes (overly sensitive) (Hair 2010) and, obtain more than the minimum recommended sample size i.e. two hundred ten (210).

This research used a rigorous simple random sampling procedure to collect data because randomization ensures that each member of the population has an equal chance of being selected (Creswell 2013; Iacovou, Benbasat, and Dexter 1995; Churchill and Iacobucci 2009). Randomization reduces sampling error to a minimum and improves the meaningfulness of gathered data (Bryman 2008). This research aim was to generalize the findings from employed sample to the population so a single-stage simple randomized sampling procedure was carried out to pursue this objective. Also, it was possible to access each unit of the population and sample the potential respondents directly (Creswell 2013).

<mark>Research Instru</mark>ments

The study used mainly primary data collected using structured questionnaires. The questionnaires were administered to SFB owners/managers. For ease of filling, the questions in the survey tool were mainly closed ended, but for the purposes of allowing respondents to provide data not captured in the questions, some open-ended questions were also included.

Data Collection

This section describes the actual data collection stage and analysis process. It will discuss the participant selection in which participants were selected, invited and interviewed. The field study took place between end of July September, 2015. Data collection methods for qualitative research usually consist of interview, observation, documents and audio visual materials (Creswell 2013). The main purpose of this research is to be helpful to the SFBs by virtue of observing the system. Some of the observations and intervention are made in the formal and

A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories Indexed & Listed at: Ulrich's Periodicals Directory ©, U.S.A., Open J-Gage as well as in Cabell's Directories of Publishing Opportunities, U.S.A.

informal settings of meetings and interviews. The survey method was used to collect primary data for the study. This method was used because of the wide area or the research study covered in the universe. Primary data was collected through the use of interview schedule. The questions covered personal, socioeconomic, institutional and other relevant variables too.

Questionnaire & Scale

The questionnaire covered seven questions about the Nepalese SFBs trust on IT. The seven questions are shown in Table [4] below.

Variable Code	Variable Description	Values			
TT1	I feel that IT can boost up my business growth	Likert	scale	[1=Strongly	disagree;
		5=Stron	igly agree]	
TT2	I use technology but I am afraid.	Likert	scale	[1=Strongly	disagree;
		5=Stron	igly agree]	
TT3	I prefer to talk to my suppliers and customers using Technology	Likert	scale	[1=Strongly	disagree;
		5=Stron	igly agree]	
TT4	I am very happy with the technology	Likert	scale	[1=Strongly	disagree;
		5=Stron	igly agree	•]	
TT5	I don't like to use phone/ Internet to pay bills.	Likert	scale	[1=Strongly	disagree;
		5=Stron	igly agree]	
TT6	Email is helpful for work related communication.	Likert	scale	[1=Strongly	disagree;
		5=Stron	igly agree]	
TT7	Solve IT related problems myself or with help.	Likert	scale	[1=Strongly	disagree;
		5=Stron	igly agree]	

Table 4 : Trust in Technology [TT]

Source: own compilation

Reliability of the study instrument

Table: 5 Cronbach Alpha Observed for Trust in Technology

Test scale	mean(unstandardized items)			
Average inter item covariance:	.693206			
Number of items in the scale:	4			
Scale reliability coefficient:	0.7825			
Source: own compilation				

A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories Indexed & Listed at: Ulrich's Periodicals Directory ©, U.S.A., Open J-Gage as well as in Cabell's Directories of Publishing Opportunities, U.S.A.

<u>ISSN: 2347-6532</u>

A reliability test was conducted to check for internal bias of the survey responses. First, 119 respondent results were used on a for reliability test. The Cronbach Alpha was observed to be 0.7825. According to Santos and Haubrich (1999) the Cronbach Alpha coefficient must be more than 0.73 to be reliable. Above presented results is above .7390 therefore the data was justified to be used for further analysis.

IV. DESCRIPTIVE ANALYSIS

Descriptive analysis was used to identify the Nepalese SFBs owner/manager's perception of IT adoption in their business. There were seven questions (1-7); having 1. Strongly disagree; 2. Disagree; 3. Neither; 4. Agree; and 5. Strongly agree answers.

A. Feel that IT can boost up my business growth.

Scale	Frequency	Percent
Strongly Disagree	23	11.0
Disagree	23	11.0
Neither	23	11.0
Agree	92	43.8
Strongly Agree	49	23.3
Total	210	100.0
S	ource: own compilation	

Table: 6 IT can Boost Business Growth

First: I feel that IT can boost up my business growth.

Result in Table [6] above presents; 11.0 percent or 23 respondents indicated strongly disagree; 11.0 percent or 23 respondents indicated disagree; 11.0 percent or 23 respondents indicated neither; 43.8 percent or 92 respondents indicated agree; and 23.3 percent or 49 respondents indicated strongly agree.

A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories Indexed & Listed at: Ulrich's Periodicals Directory ©, U.S.A., Open J-Gage as well as in Cabell's Directories of Publishing Opportunities, U.S.A.

IJESP

<u>ISSN: 2347-6532</u>

B. I use technology but I am afraid

Scale	Frequency	Percent	
Strongly Disagree	14	6.7	
Disagree	45	21.4	
Neither	48	22.9	
Agree	82	39.0	
Strongly Agree	21	10.0	
Total	210	100.0	

Table: 7	Afraid	\mathbf{to}	Use	\mathbf{IT}

Second: I use technology but I am afraid.

Result in Table [7] above presents; 6.7 percent or 14 respondents indicated strongly disagree; 21.4 percent or 45 respondents indicated disagree; 22.9 percent or 48 respondents indicated neither; 39.0 percent or 82 respondents indicated agree; and 10.0 percent or 21 respondents indicated strongly agree.

C. I prefer to talk to my suppliers and customers using Technology

Scale	Frequency	Percent
Strongly Disagree	8	3.8
Disagree	15	7.1
Neither	37	17.6
Agree	120	57.1
Strongly Agree	30	14.3
Total	210	100.0

Table: 8 | Talking about IT with Suppliers and Customers

Source: own compilation

Third: I prefer to talk to my suppliers and customers using Technology.

A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories Indexed & Listed at: Ulrich's Periodicals Directory ©, U.S.A., Open J-Gage as well as in Cabell's Directories of Publishing Opportunities, U.S.A. International Journal of Engineering & Scientific Research

http://www.ijmra.us

January 2016

Result in Table [8] above presents; 3.8 percent or 8 respondents indicated strongly disagree; 7.1 percent or 15 respondents indicated disagree; 17.6 percent or 37 respondents indicated neither; 57.1 percent or 120 respondents indicated agree; and 14.3 percent or 30 respondents indicated strongly agree.

<u>ISSN: 2347-6532</u>

D. I am very happy with the technology.

Table: 9 Very Happy with Technology				
Scale	Frequency	Percent		
Strongly Disagree	7	3.3		
Disagree	24	11.4		
Neither	33	15.7		
Agree	90	42.9		
Strongly Agree	56	26.7		
Total	210	100.0		
S	ource: own compilation	on		

Fourth: I am very happy with the technology.

Result in Table [9] above presents; 3.3 percent or 7 respondents indicated strongly disagree; 11.4 percent or 24 respondents indicated disagree; 15.7 percent or 33 respondents indicated neither; 42.9 percent or 90 respondents indicated agree; and 26.7 percent or 56 respondents indicated strongly agree.

E. I don't like to use phone/ Internet to pay bills.

Frequency	Percent	
21	10.0	
51	24.3	
32	15.2	
71	33.8	
35	16.7	
210	100.0	
	Prequency 21 51 32 71 35 210	Prequency Percent 21 10.0 51 24.3 32 15.2 71 33.8 35 16.7 210 100.0

Table: 10 Paying Bills Using Phone / Internet

Fifth: I don't like to use phone/ Internet to pay bills.

Result in Table [10] above presents; 10.0 percent or 21 respondents indicated strongly disagree; 24.3 percent or 51 respondents indicated disagree; 15.2 percent or 32 respondents indicated neither; 33.8 percent or 71 respondents indicated agree; and 16.7 percent or 35 respondents indicated strongly agree.

F. Email is helpful for work related communication.

Table. 11 Emain helpful for communication			
Scale	Frequency	Percent	
Strongly Disagree	11	5.2	
Disagree	24	11.4	
Neither	25	11.9	
Agree	93	44.3	
Strongly Agree	57	27.1	
Total	210	100.0	

Table: 11 Email Helpful for Communication

Source: own compilation

Sixth: Email is helpful for work related communication.

International Journal of Engineering & Scientific Research

A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories Indexed & Listed at: Ulrich's Periodicals Directory ©, U.S.A., Open J-Gage as well as in Cabell's Directories of Publishing Opportunities, U.S.A.

ISSN: 2347-653

G. Solve IT related problems myself or with help.

Table: 12 Resolving IT Related Problems	
Frequency	Percent
17	8.1
21	10.0
31	14.8
87	41.4
54	25.7
210	100.0
	12 Resolving IT Related Frequency 17 21 31 87 54 210

Seventh: Solve IT related problems myself or with help.

Result in Table [12] above presents; 8.1 percent or 17 respondents indicated strongly disagree; 10.0 percent or 21 respondents indicated disagree; 14.8 percent or 31 respondents indicated neither; 41.4 percent or 87 respondents indicated agree; and 25.7 percent or 54 respondents indicated strongly agree.

V. CONCLUSION

This study has met the objective of identifying Nepalese SFB owner/manager's trust in IT. Descriptive analysis of percent and frequency was used. The result of statistical analysis on the data revealed that out of the seven attributes; 27 percent SFBs owner/managers strongly agreed that Email is helpful for business communication purpose; 26.7 percent were strongly agreed that they were happy with the technology; 25.7 strongly agreed that they resolve IT problem

themselves of with help. 23.3 strongly agreed that IT can boost their business growth. Very few; i.e.10 percent of them strongly disagreed on use of phone/internet bill payment, and 6.7 percent are afraid of using IT. The result above shows that Nepalese SFBs have trust in information technology and they believe that IT can help them to grow when it is used.

VI. REFERENCES

- 1. Aaker, D. A., Kumar, V., Day, G. S., and Marcondes, R. C. (2004). Pesquisa de marketing. Atlas.
- 2. Bhattacherjee, A., Premkumar, G., (2004). Understanding changes in belief and attitude toward information technology usage: a theoretical model and longitudinal test. MIS Quarterly, 229-254.
- Bryman, A. (2008). Why do researchers integrate/ combine/mesh/blend/mix/ merge/ fuse quantitative and qualitative research. Advances in mixed methods research, pages 87–100.
- Burgelman, R. A., Rosenbloom, R. S., (1989). Technology strategy: an evolutionary process perspective. Research on technological innovation, management and policy 4, 1-23.
- 5. Chang, M. K., Cheung, W., Lai, V. S., (2005). Literature derived reference models for the adoption of online shopping. Information & Management 42 (4), 543-559.
- Churchill, G. A., Iacobucci, D., (2009). Marketing research: Methodological Foundations: Cengage Learning.
- Costante, E., Petkovic, M., den Hartog, J., (2012). Trust management and users trust perception in e-business. Handbook of Research on E-business Standards and Protocols: Documents, Data, and Advanced Web Technologies. Volume II 1, 321.
- Creswell, J. W. (2013). Research design: Qualitative, Quantitative, and Mixed Methods Approaches. Sage.
- De Ruyter, K., Wetzels, M., Kleijnen, M., (2001). Customer adoption of eservice: an experimental study. International Journal of Service Industry Management 12 (2), 184-207.

http://www.ijmra.us

A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories Indexed & Listed at: Ulrich's Periodicals Directory ©, U.S.A., Open J-Gage as well as in Cabell's Directories of Publishing Opportunities, U.S.A. International Journal of Engineering & Scientific Research

- 10. Floridi, L. (Ed.). (2008). The Blackwell guide to the philosophy of computing and information. John Wiley & Sons.
- 11. Fogg, B., Marshall, J., Laraki, O., Osipovich, A., Varma, C., Fang, N., Paul, J., Rangnekar, A., Shon, J., Swani, P., et al., (2001). What makes web sites credible?: a report on a large quantitative study. In: Proceedings of the SIGCHI conference on Human factors in computing systems. ACM, pp. 61-68.
- 12. Freeman, Richard B., and Lawrence F. Katz, eds. Differences and changes in wage structures. University of Chicago Press, 2007.
- 13. Frishammar, J., Lichtenthaler, U., & Rundquist, J. (2012). Identifying technology commercialization opportunities: the importance of integrating product development knowledge. Journal of Product Innovation Management, 29(4), 573-589.
- 14. Goudarzi, S., Ahmad, M. N., Zakaria, N. H., Soleymani, S. A., Asadi, S., Mohammad Hosseini, N., (2013). Development of an instrument for assessing the impact of trust on internet banking adoption.
- 15. Hair, J. F. (2010). Multivariate data analysis.
- 16. Hallal, J. (2010). Electronic commerce within Australian small enterprises context: implications and outcomes. epubs.scu.edu.au.
- Hsu, L.-C., Wang, C.-H., (2008). A study of e-trust in online auctions. Journal of Electronic Commerce Research 9 (4), 310-321.
- Iacovou, C. L., Benbasat, I., Dexter, A. S., (1995). Electronic data interchange and small organizations: adoption and impact of technology. MIS Quarterly, 465-485.
- Ichniowski, C., Shaw, K., Prennushi, G., (1995). The Effects of Human Resource management practices on productivity. Tech. rep., National Bureau of Economic Research.
- 20. Kandel, B. K., Hota, J., (2012). Information technology adoption in small family businesses for developing economies. IUP Journal of Entrepreneurship Development 9 (1).
- 21. Kim, K. K., Prabhakar, B., (2004). Initial trust and the adoption of b2c e-commerce: The case of internet banking. ACM sigmis database 35 (2), 50-64.
- 22. Krejcie, R. V. and Morgan, D. W. (1970). Determining sample size for research activities. Educ Psychol Meas.

A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories Indexed & Listed at: Ulrich's Periodicals Directory ©, U.S.A., Open J-Gage as well as in Cabell's Directories of Publishing Opportunities, U.S.A.

- Lee, M. K., Turban, E., (2001). A trust model for consumer internet shopping. International Journal of electronic commerce 6, 75-92.
- 24. Liu, X., Datta, A., (2011). A trust prediction approach capturing agents' dynamic behavior. In: Proceedings of the Twenty-Second international joint conference on Artificial Intelligence-Volume Volume Three. AAAI Press, pp. 2147-2152.
- Luo, Y., (2002). Contract, cooperation, and performance in international joint ventures. strategic Management Journal 23 (10), 903-919.
- 26. Mayer, R. C., Davis, J. H. and Schoorman, F. D., (1995) "An Integrative Model of Organizational Trust," Academy of Management Review (20:3), pp. 709-734.
- 27. McKnight, D. H. and Chervany, N. L., (2001-2002). "What Trust Means in E-Commerce Customer Relationships: An Interdisciplinary Conceptual Typology." International Journal of Electronic Commerce 6(2), pp. 35-59.
- 28. McKnight, D. H., Chervany, N. L., (2000). What is trust? a conceptual analysis and an interdisciplinary model.
- 29. McKnight, D. H., Chervany, N. L., (2001). Trust and distrust definitions: One bite at a time. In: Trust in Cyber-societies. Springer, pp. 27-54.
- 30. Osterman, P., 1994. Supervision, discretion, and work organization. The American Economic Review, 380-384.
- 31. Parida, V., Westerberg, M., & Frishammar, J. (2012). Inbound open innovation activities in high-tech SMEs: the impact on innovation performance. Journal of Small Business Management, 50(2), 283-309.
- Pavlou, P. A., (2003). Consumer acceptance of electronic commerce: integrating trust and risk with the technology acceptance model. International journal of electronic commerce 7 (3), 101-134.
- 33. Roscoe, J. T. (1975). Fundamental research statistics for the behavioral sciences [by] John T. Roscoe. Holt, Rinehart and Winston, New York, NY.
- 34. Rousseau, D. M., Sitkin, S. B., Burt, R. S. and Camerer, C., (1998) "Not So Different After All: A Cross-Discipline View of Trust," Academy of Management Review (23:3), pp. 393-404.

A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories Indexed & Listed at: Ulrich's Periodicals Directory ©, U.S.A., Open J-Gage as well as in Cabell's Directories of Publishing Opportunities, U.S.A.

- 35. Santos, J. A. C., Haubrich, J. G., (1999). Banking and commerce: a liquidity approach. BIS Working Papers 78, Bank for International Settlements. URL <u>https://ideas.repec.org/p/bis/biswps/78.html</u>
- Sekaran, U. (2000). Research methods for business: A skill-building approach. USA: John willey & sons.
- Sharma, S. R. (2012). Building a Bridge towards Development: Nepalese Economy in 2030. Nepal, 2030, 1-19.
- 38. Suh, B., Han, I., (2003). Effect of trust on customer acceptance of internet banking.Electronic Commerce research and applications 1 (3), 247-263.
- 39. Teo, T. S., Srivastava, S. C., Jiang, L., (2008). Trust and electronic government success: An empirical study. Journal of Management Information Systems 25 (3), 99-132.
- 40. Tye, E. M. N., Chau, P. Y., (1995). A study of information technology adoption in Hong-Kong. Journal of information science 21 (1), 11-19.
- 41. Venkatesh, V., Davis, F. D., (2000). A theoretical extension of the technology acceptance model: four longitudinal field studies. Management science 46 (2), 186-204.
- 42. Venkatesh, V., Thong, J. Y., Chan, F. K., Hu, P. J.-H., Brown, S. A., (2011). Extending the two-stage information systems continuance model: incorporating UTAUT predictors and the role of context. Information Systems Journal 21 (6), 527-555.
- 43. Wong, D., Loh, H. K. C., Yap, K., Bak, R., (2009). The moderating role of perceived risk on trust in e-banking.

A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories Indexed & Listed at: Ulrich's Periodicals Directory ©, U.S.A., Open J-Gage as well as in Cabell's Directories of Publishing Opportunities, U.S.A.