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The influence of IT leaders' leadership behaviour on IT governance performance in higher Education: A literature Review (Conference Paper)

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Abstract

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IT has become one of the most invested areas of organisations, especially in higher education institutions. To safeguard these IT investments and make the most out them, a good IT governance structure is required. It enables the higher education institutions to strive in the competition and to achieve strategic objectives. To have optimum governance in the institutions, IT leaders play the vital role of carrying the task of IT role models to implement the best approaches in the institutions. The purpose of this study is to explore the existing literature to find out the influence of IT leaders' leadership behaviour on IT governance performance in higher education context. It is aimed to find the linkage between IT leaders' leadership behaviour and IT governance performance in higher education to promote this area for future research. The literature review was done systematically to identify the articles relevant to the three variables, 'IT governance', 'IT leadership' and 'higher education'. The results indicated that there is an influence of IT leadership behaviour on IT governance in higher education. Literature showed that improper IT leadership was perceived as a barrier to ITG, IT leadership plays a vital role in effective ITG implementation and specific leadership capacities and skills are shown to promote ITG. However, there are few studies in this area and there is a lack of knowledge on how IT leadership can influence IT governance. © 2018 IEEE.

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-
- 1 Van Grembergen, W., De Haes, S.
Introduction to the Minitrack on IT Governance and its Mechanisms
(2018) *Hawaii International Conference on System Sciences*. Cited 2 times.
-
- 2 Henderson, J.C., Venkatraman, N.
Strategic alignment: leveraging information technology for transforming organizations
(1993) *IBM Systems Journal*, 32 (1), pp. 4-16. Cited 1611 times.
[View at Publisher](#)
-
- 3 De Haes, S., Van Grembergen, W.
Analysing the relationship between IT governance and business/IT alignment maturity
(2008) *Proceedings of the Annual Hawaii International Conference on System Sciences*, art. no. 4439133. Cited 68 times.
ISBN: 0769530753; 978-076953075-8
doi: 10.1109/HICSS.2008.66
[View at Publisher](#)
-
- 4 Bryant, S.M., Bagranoff, N.A.
(2004) *Core Concepts of Information Technology Auditing*. Cited 21 times.
1st edition. Hoboken, NJ: Wiley
-
- 5 Weill, P., Ross, J.
(2004) *IT Governance: How Top Performers Manage IT Decision Rights for Superior Results*. Cited 698 times.
Boston, MA, USA: Harvard Business School Press
-
- 6 Rau, K.G.
Effective governance of it: Design objectives, roles, and relationships
(2004) *Information Systems Management*, 21 (4), pp. 35-42. Cited 76 times.
doi: 10.1201/1078/44705.21.4.20040901/84185.4
[View at Publisher](#)
-
- 7 Peppard, J., Edwards, C., Lambert, R.
Clarifying the ambiguous role of the CIO
(2011) *MIS Quarterly Executive*, 10 (1), pp. 31-44. Cited 53 times.
<http://misqe.org/ojs2/index.php/misqe/article/viewFile/271/264>
-
- 8 Van Grembergen, W.
Introduction to the minitrack "IT governance and its mechanisms" HICSS 2002
(2002) *Proceedings of the Annual Hawaii International Conference on System Sciences*, 2002-January, art. no. 994349, p. 3097. Cited 39 times.
ISBN: 0769514359
doi: 10.1109/HICSS.2002.994349
[View at Publisher](#)
-

9 (2003) *Rolling Meadows*
https://www.isaca.org/restricted/Documents/26904_Board_Briefmg_fmnl.pdf

10 Haes, D., Grembergen, V.
W. IT governance and its mechanisms
(2004) *Information systems control journal*, 1. Cited 133 times.

11 Webb, P., Pollard, C., Ridley, G.
Attempting to define IT governance: Wisdom or folly?

(2006) *Proceedings of the Annual Hawaii International Conference on System Sciences*, 8, art. no. 1579684, p. 194a. Cited 138 times.
ISBN: 0769525075; 978-076952507-5
doi: 10.1109/HICSS.2006.68

[View at Publisher](#)

12 Selig, G.J.
(2008) *Implementing IT Governance - A Practical Guide to Global Best Practices in IT Management*. Cited 25 times.
Van Haren

13 Wilkin, C.L., Riddett, J.
IT governance challenges in a large not-for-profit healthcare organization: The role of intranets

(2009) *Electronic Commerce Research*, 9 (4), pp. 351-374. Cited 14 times.
doi: 10.1007/s10660-009-9038-0

[View at Publisher](#)

14 Gerrard, M.
(2010) *Defining IT Governance: The Gartner IT Governance Demand/Supply*. Cited 6 times.
Gartner Research

15 Ahlan, A.R., Ajayi, B.A., Hussin, H.
Role of governance, ethics and integrity in managing information technology resources: Muslim practitioner's view

(2013) *2013 5th International Conference on Information and Communication Technology for the Muslim World, ICT4M 2013*, art. no. 6518926. Cited 2 times.
ISBN: 978-147990134-0
doi: 10.1109/ICT4M.2013.6518926

[View at Publisher](#)

16 Weill, P., Woodham, R.
Don't Just Lead, Govern: Implementing Effective it Governance
(2002) *Social Science Research Network*
Rochester, NY, SSRN Scholarly Paper ID 317319, Apr.

- 17 Ajayi, B.A., Hussin, H.
Exploring information technology governance in a Malaysian public university: Providers' perspectives
- (2014) *2014 the 5th International Conference on Information and Communication Technology for the Muslim World, ICT4M 2014*, art. no. 7020627. Cited 5 times.
ISBN: 978-147996242-6
doi: 10.1109/ICT4M.2014.7020627
- [View at Publisher](#)
-
- 18 Tjong, Y., Adi, S., Prabowo, H., Kosala, R.
Benefits to implementing IT governance in higher education: (Systematic literature review)
- (2018) *Proceedings of 2017 International Conference on Information Management and Technology, ICIMTech 2017*, 2018-January, pp. 35-38. Cited 2 times.
ISBN: 978-153862930-7
doi: 10.1109/ICIMTech.2017.8273507
- [View at Publisher](#)
-
- 19 Carraway, D.
(2017) *Supporting Innovation through IT Governance*
ECAR Research Bulletin Retrieved April 8 2016
<https://library.educause.edu/~media/files/library/2016/4/erbl601.pdf>
-
- 20 Pirani, J.A., Salaway, R.
(2008) *Queensland University of Technology: Three Generations of IT Governance (and Counting)*
EDUCAUSE Center for Applied Research
<https://library.educause.edu/~media/files/library/2008/7/ecs0804-pdf.pdf>
-
- 21 Nugroho, H.
Conceptual model of IT governance for higher education based on COBIT 5 framework
- (2014) *Journal of Theoretical and Applied Information Technology*, 60 (2), pp. 216-221. Cited 19 times.
<http://www.jatit.org/volumes/Vol60No2/4Vol60No2.pdf>
-
- 22 Putri, R.E., Surendro, K.
A process capability assessment model of IT governance based on ISO 38500
- (2015) *2015 International Conference on Information Technology Systems and Innovation, ICITSI 2015 - Proceedings*, art. no. 7437673. Cited 2 times.
ISBN: 978-146736664-9
doi: 10.1109/ICITSI.2015.7437673
- [View at Publisher](#)
-
- 23 Ajayi, B.A., Hussin, H.
IT governance from practitioners' perspective: Sharing the experience of a Malaysian university
- (2016) *Journal of Theoretical and Applied Information Technology*, 88 (2), pp. 219-230. Cited 5 times.
<http://www.jatit.org/volumes/Vol88No2/4Vol88No2.pdf>
-
- 24 Aliyu, M.
Measuring IT Governance effectiveness using ITG diagnostic diamond: A case study of Information Technology Division, IIUM
- (2010) *Proceeding of the 3rd International Conference on Information and Communication Technology for the Moslem World: ICT Connecting Cultures, ICT4M 2010*, pp. C1-C6. Cited 5 times.
ISBN: 978-979194891-3
-

- 25 Ismail, N.A.
Information technology governance, funding and structure: A case analysis of a public university in Malaysia

(2008) *Campus-Wide Information Systems*, 25 (3), pp. 145-160. Cited 17 times.
doi: 10.1108/10650740810886321

[View at Publisher](#)
-
- 26 Gary, Y.
(2012) *Leadership in Organisations*
8 edition. Boston: Pearson
-
- 27 Hemphill, L.K., Coons, A.E.
Development of the leader behavior description questionnaire
(1957) *Leader behavior: Its description and measurement*, pp. 6-jR. Cited 196 times.
R M, Stogdill & A. E. Coons (Eds,) Columhus: Bureau of Business Research, Ohio State University
-
- 28 Maxwell, J.
(2012) *Developing the Leader Within You*. Cited 108 times.
1 edition. Nashville. Tenn.; London: Thomas Nelson Publishing
-
- 29 Winston, B.E., Patterson, K.
An integrative definition of leadership
(2006) *International Journal of Leadership Studies*, 1, pp. 6-66. Cited 56 times.
-
- 30 Tan, F.B., Gallupe, R.B.
Aligning business and information systems thinking: A cognitive approach

(2006) *IEEE Transactions on Engineering Management*, 53 (2), pp. 223-237. Cited 90 times.
doi: 10.1109/TEM.2006.872243

[View at Publisher](#)
-
- 31 Faraj, S., Sambamurthy, V.
Leadership of information systems development projects

(2006) *IEEE Transactions on Engineering Management*, 53 (2), pp. 238-249. Cited 78 times.
doi: 10.1109/TEM.2006.872245

[View at Publisher](#)
-
- 32 Hoch, D., Payan, M.
Establishing good IT governance in the public sector
(2008) *McKinsey on Government*, pp. 45-55. Cited 3 times.
-
- 33 de Haes, S., van Grembergen, W.
Exploring the relationship between it governance practices and business/it alignment through extreme case analysis in belgian mid-to-large size financial enterprises

(2009) *Journal of Enterprise Information Management*, 22 (5), pp. 615-637. Cited 32 times.
doi: 10.1108/17410390910993563

[View at Publisher](#)
-

- 34 Serfontein, K., Hough, J.
Nature of the relationship between strategic leadership, operational strategy and organisational performance ([Open Access](#))
(2011) *South African Journal of Economic and Management Sciences*, 14 (4), pp. 393-406. Cited 5 times.
doi: 10.4102/sajems.v14i4.21
[View at Publisher](#)
-

- 35 Lindström, Å., Johnson, P., Johansson, E., Ekstedt, M., Simonsson, M.
A survey on CIO concerns-do enterprise architecture frameworks support them?
(2006) *Information Systems Frontiers*, 8 (2), pp. 81-90. Cited 68 times.
doi: 10.1007/s10796-006-7972-0
[View at Publisher](#)
-

- 36 Kaur, J., Bahri, A.H.S.
Implementation of information technology governance in the Malaysian public sector practice
(2014) *Proceedings - Pacific Asia Conference on Information Systems, PACIS 2014*. Cited 3 times.
-

- 37 Boell, S.K., Cecez-Kecmanovic, D.
On being 'systematic' in literature reviews in IS
(2015) *Journal of Information Technology*, 30 (2), pp. 161-173. Cited 83 times.
<http://www.palgrave-journals.com/jit/>
doi: 10.1057/jit.2014.26
[View at Publisher](#)
-

- 38 Creswell, J.
(2011) *Educational research: Planning, conducting and evaluation quantitative and qualitative research*. Cited 4155 times.
(4th ed.). Upper Saddle River: Pearson Education
-

- 39 Jairak, K., Praneetpolgrang, P.
A holistic survey of IT governance in Thai universities through IT executive perspectives
(2011) *Communications in Computer and Information Science*, 252 CCIS (PART 2), pp. 435-447. Cited 7 times.
ISBN: 978-364225452-9
doi: 10.1007/978-3-642-25453-6_38
[View at Publisher](#)
-

- 40 Hicks, M., Pervan, G., Perrin, B.
A case study of improving information technology governance in a university context
(2010) *IFIP Advances in Information and Communication Technology*, 318, pp. 89-107. Cited 7 times.
ISBN: 978-364212112-8
doi: 10.1007/978-3-642-12113-5_6
[View at Publisher](#)
-

- 41 Ngqondi, T., Herselman, M.
The role of ITG in supporting use of e-learning strategies: A comparative study
(2014) *Proceedings of the European Conference on e-Learning, ECEL*, 2014-January, pp. 362-369. Cited 2 times.
<http://academic-conferences.org/ecel/ecel-home.htm>
ISBN: 978-191030967-4
-

□ 42 Barn, B.S., Clark, T., Hearne, G.
Business and ICT alignment in higher education: A case study in measuring maturity
(2013) *Building Sustainable Information Systems*, pp. 51-62. Cited 4 times.
Springer, Boston, MA

□ 43 Marks, A., Rezgui, Y.
IT leadership in higher education: The CIO candidate

(2011) *IT Professional*, 13 (3), art. no. 5518750, pp. 52-56. Cited 2 times.
doi: 10.1109/MITP.2010.102

[View at Publisher](#)

□ 44 Ajayi, B.A., Hussin, H.
IT governance from practitioners' perspective: Sharing the experience of a Malaysian university

(2016) *Journal of Theoretical and Applied Information Technology*, 88 (2), pp. 219-230. Cited 5 times.
<http://www.jatit.org/volumes/Vol88No2/4Vol88No2.pdf>

□ 45 Arshad, Y., Ahlan, A.R., Ajayi, B.A.
Intelligent IT governance decision-making support framework for a developing country's public university

(2014) *Intelligent Decision Technologies*, 8 (2), pp. 131-146. Cited 7 times.
<http://www.iospress.nl/journal/intelligent-decision-technologies/>
doi: 10.3233/IDT-130183

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