

Effect of E Governance in Quality of Higher Education

Dr. M. Sumathy¹, Shaneeb P²

¹Dean, Professor & Head, School of Commerce, Bharathiar University, Coimbatore 641046, India

²Ph.D Research Scholar, School of Commerce, Bharathiar University, Coimbatore 641046, India

Abstract: *Development of a country depends on reflect of that country's education. In India has seen massive growth in the higher educational sector. University have important role for the growth of higher education. During the past three decades there is tremendous increase in the number of colleges under universities in India. E governance has infinite function in the growth of educational sector. Application of e governance in education has led to new area of innovations. It enables our educational sector to reach at global level. This Study investigated university administrators' the perspective towards the application E governance for effective higher education. The sample used for the study consisted randomly selected 60 administrative staff from two different state university namely university of Calicut Kozhikode and Bharathiar university Coimbatore which selected by convenience sampling method. Questionnaires were prepared and administered, the responses were collected and analysed using Chi-square test. The results shows that university administrators have a positive perspective towards the application of E governance in effective administrative functioning by solving the problem of poor communication between administrative staff and external governing bodies and e governance helps to achieving effective planning and transparent development of higher education through universities.*

Keywords: E governance, Education, university administrators

1. Introduction

Education is the step by step process that assists learning or acquisition skill, knowledge, beliefs and values. A country's humanity power can show through the better education. E governance also have important role for empowerment of education. Electronic governance or "E-Governance" is the use of information and communication technologies in organizations to provide user services, to improve work efficiency, transparency and to promote democratic values; as well as a regulatory framework that facilitates information communication initiatives and promoting the knowledge society. The introduction of e governance applications in education is connected with changes, not only at the level of teaching and learning, but also in carrying out administrative tasks in educational institution. An e-Governance system provides numerous benefits over the educational conventional or manual system. In essence the purpose of E-Governance is to bring transparency and efficiency in the working of an institution. E-Governance is not just about hardware and software computer based system but it includes a whole lot of entities. The successful execution of e-governance system must always exist in the evolution of resolving the need for partners' changing needs. e governance is very essential for the generation of quality information and management of that information is required for effective decision making.

E Governance in Universities

University have important role in to their educational functioning. University is an institution for higher education and research which awarded academic degree in various discipline. In the present scenario university should require administrators or leaders in order to achieve their effective job performance. As the world changes, information and knowledge changes rapidly, teaching and learning processes as well as the administrative functions of universities also have to change. These function very important to all level of

education like primary, secondary higher level education. The introduction of E governance in universities is connected with changes, not only at the level of teaching and learning, but also in carrying out administrative tasks in universities. University may have various requirements which include computerization and management of processes such as admission, registration, student information, classes, attendance, time table, examinations, performance, attendance, library, salary and expenses, hostels, security and reports. The application of e governance can improve education quality, expand learning opportunities and make education accessible everywhere. This paper investigated university administrators' perspective towards the application E governance for effective higher education

2. Review of Literature

E-governance is using information and communication technologies (ICTs) at various levels of the government and the public sector and beyond, for the purpose of enhancing governance (Bedi, Singh and Srivastava, 2001). ICT applications can enhance poor people's opportunities by improving their access to markets, health, and education. (Cecchini and Scott, 2003). E-Governance has very important to track their educational functioning such as registration, admission, student information, classes, time table, salary and expenses, examination, performance, grades, hostels, security and reports. It also open a new ways of debating to the students Imparting education organizing and delivering information and services. (Charanjeetkaur & Premmehta, 2014).

E-Governance can also solved various other problems related to rural higher education and make better relationship between rural colleges and universities (Ranjeetha Kapoor and Nishta Kelkar, 2013). And also it will allow all the low-performing schools and colleges to reduce the gap with

better performing institutes through their administrative functions that will be help in the betterment of the higher education in the country and increase the number of employable students (Ashok Kumar,2012)

There are many benefits for both the students, learner and the teachers and administrative staffs including the promotion of shared working space and resources, better access to information, the promotion of collaborative learning and radical new ways of teaching and learning (Sudip Suklabaidya, AngshuMaanSen,2013)To gain the optimum impact of E-Governance in higher education, certain issues: why E governance implement the university administration, how E-Governance implementation could be effective; what the requirements are to achieve effective E-Governance implementation need to be addressed(Dr.Md. MahmoodAlam,2016)

Statement of the Problem

Higher education has become more complex due to the increase in the number of students’ enrolment as well as the number of disciplines being offered under different universities. Hence, university have more complex to achieve the set goals. This complexity make university administrators are sometimes faced with more challenge of managing university in a meaningful and productive way. Some of the problems faced include poor communication within external governing bodies and administrative staff of the universities and sometimes effective planning because most of the processes are still carried out manually. Hence, this paper looks at the administrators’ perspective towards the application of e governance in universities under higher education sector and there effective and transparent development.

Objectives of the Study

- 1) To check whether application of E governance helps to maintain good communication between their stakeholders.
- 2) To check whether E governance influence effective planning and transparent development of higher education sector

Research Hypotheses

The following alternate hypotheses were formulated for the purpose of this study:

- 1) H01. The application e governance will significantly solve the problem ofpoor communication within external governing bodies and administrative staff of the universities.
- 2) H02. E governance can significantly influence effective planning and transparent development of higher educational sector through universities.

3. Methodology

A. Population

Population of this study consisted from two state universities
 1 Calicut University, Kozhikode
 2 Bharathiar universities, Coimbatore

B. Sample and sampling Technique:

The sample for the study consisted of 60 administrative staff. Among these 35 from Calicut University and 25 from Bharathiar University Coimbatore .The Universityand administrative staffs are selected as sample by using convenience sampling method.

Research Instrument

The paper entirely based on descriptive research. The research instrument was a four – point Likert rating scale of Strongly Agree, Agree, Don’t know, Disagree andStrongly Disagree.

Validation

The questionnaire was validated by experts in the field measurement and evaluations were made by the colleagues in the department. Their opinion also considers and was used in modifying the final copy of the instrument.

Method of Data Collection

Data’s were administered and collected by the researcher. The data’s were collected through primary sources by using questionnaire. The hypotheses for the study were tested by using the Chi – square test at 0.05 level of significance.

Presentation and Analysis of Data

A. Hypothesis 1

The application e governance will significantly solve the problem of poor communication within external governing bodies and administrative staff of the universities.

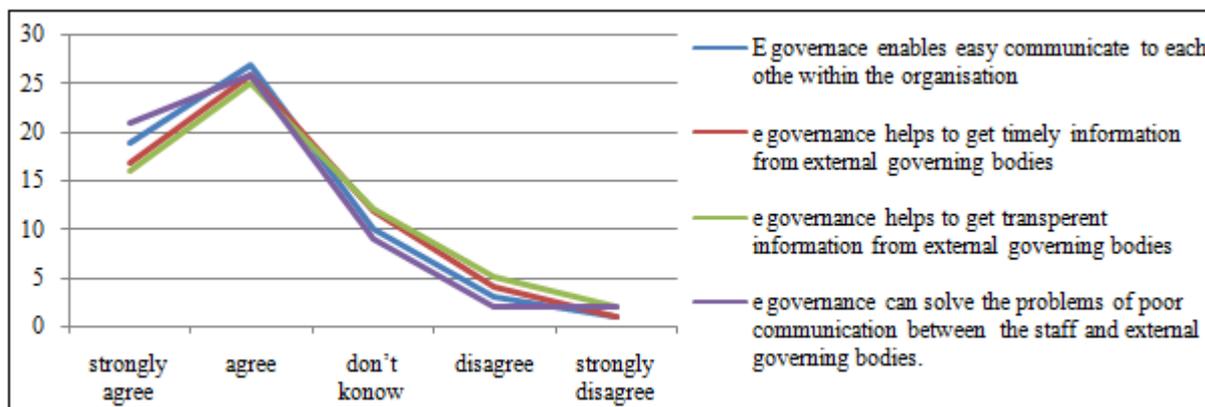


Figure 1: Chart showing responses of respondents to hypothesis 1.

Table 1: The Analysis of Chi– Square (X^2) Values for Hypothesis 1

X^2 calculated	X^2 table	Degree of freedom	Level of significance	Comment
3.6083	21.03	12	0.05	Hypothesis accepted

Figure 1 above shows the responses of respondents about the questions related to hypothesis1. This data was used to calculate the Chi-square values as shown in Table 1. The table value of 21.03 is higher than the calculated value 3.6083 at 12 degree of freedom and 0.05 level of

significance. Therefore, the hypothesis which states that the application E Governance will significantly solve the problem of poor communication within external governing bodies and administrative staff of the universities hereby accepted.

B. Hypothesis 2

E governance can significantly influence effective planning and transparent development of higher educational sector

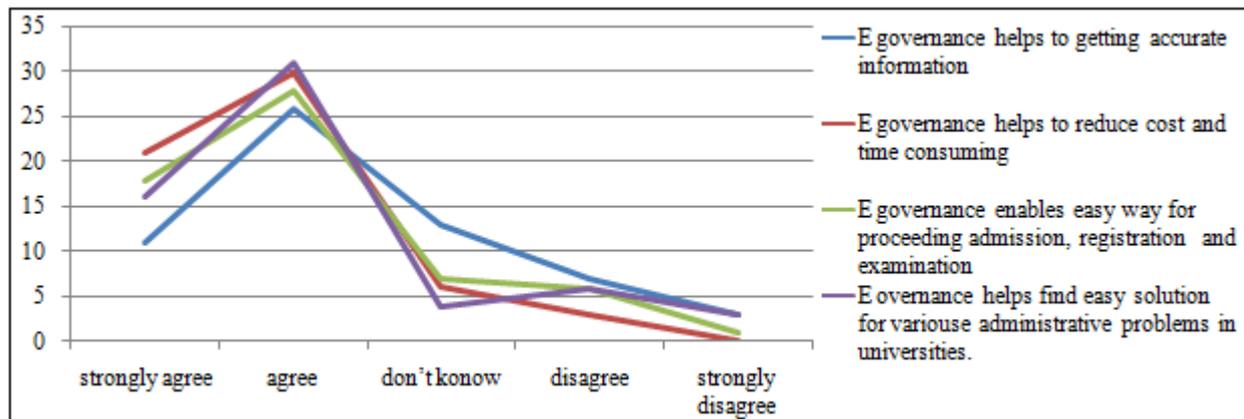


Figure 2: Chart showing responses of respondents to hypothesis 2

Table 2: The Analysis of Chi – Square (X^2) Values for Hypothesis 2

X^2 calculated	X^2 table	Degree of freedom	Level of significance	Comment
15.2186	21.03	12	0.05	Hypothesis accepted

Figure 2 above shows the responses of respondents to the questions related to hypothesis 2. This was used to calculate the Chi-square values shown in Table 2. The table value of 21.03 is more than the calculated value of 15.218 at 12 degree of freedom and 0.05 level of significance as shown in Table 2. Therefore, the hypothesis which states that E Governance can significantly influence effective planning and transparent development of higher education sector through universities is hereby accepted. This implies that e governance does influence effective planning in planning and transparent development of higher education sector.

4. Suggestion

The following suggestions are made based on the result got from the study:

- 1) E Governance should be adequately encouraged among administrative staff in the universities for effective communication and effective planning.
- 2) Both Universities should ensure that the administrative staffs acquire the basic knowledge as far as the usage of E Governance is concerned.
- 3) Universities should be adequately funded to aid internet connectivity maintenance.
- 4) Alternative source of power supply should be provided for proper e governance functioning

5. Conclusion

It can be concluded based on the result of the study that University administrators have a positive perspective towards the use of E Governance tools as bringing effectiveness into university administration by solving the problem of poor communication within external governing bodies and administrative staffs. It also has great effort for effective and transparent planning thereby helping the administrators of university to achieve their set goals by reducing complexity in higher education system.

References

- [1] Harshita Bhatnagar, "E Governance in Higher Education: A Case Study of IGNOU, New Delhi," International Journal of Scientific & Engineering Research, 2013
- [2] Jatinder Garg, Sonu Bala Garg et al., "Effective Implementation of E-Governance in Technical Institutions in India using ICT to Make them World Class," Research Cell: An International Journal of Engineering Sciences, 2011
- [3] Charanjeet Kaur and Prem Mehta, "Role of E-Governance to Strengthen Higher Education System in India," International Journal of Scientific and Innovative Research, 2014.
- [4] Ashok Kumar, "E-Governance in Education Sector," Gian Jyoti E-Journal, Volume 1, Issue 2, Jan – Mar, 2012.
- [5] Ranjeeta Kapoor and Nishtha Kelkar, "E-Governance: Higher Education in Rural Area," Proceedings of National Conference on New Horizons in IT - NCNHIT, 2013.

- [6] SudipSuklabaidya and AngshuMaanSen, “Challenges and Prospects of E-governance in Education,” International Journal of Emerging Trends & Technology in Computer Science, 2013.
- [7] Md. MahmoodAlam, “Use of ICT in Higher Education,” The International Journal of Indian Psychology, 2016.