



ORIGINAL RESEARCH PAPER

Computer Science

PARAMETRIC ASSESSMENT OF E-SCHOLARSHIP WEB PORTAL FOR E-GOVERNANCE

KEY WORDS: E-governance, ICT, Web Portal, MCA, E-scholarship

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ABSTRACT

E-governance is an application of ICT (Information and Communication Technology) for delivering government services to the people. The use of ICT in e-governance is likely to give many benefits in terms of bringing transparency, accuracy, user friendliness and accountability in overall administration of the government. Policies are defined by the apex authorities considering the problems and requirements of the citizens. In education sector you may find computer and network based trends and techniques adopted in teaching learning as well as other student oriented services. Student's services like admission process, examination, scholarship and other documentation do be done with different authorities. Present paper studies the concept of E-governance, and collects the feedback from MCA pursuing students about e-scholarship web portal to assess its performance.

INTRODUCTION:

E-governance is a form of e-business in governance comprising of processes and structures involved in deliverance of electronic services to the public. It also involves collaborating with business partners of the government by conducting electronic transactions with them. In other words, e-governance means application of electronic means interaction between government to citizen, citizen to government, government to business, business to government and internal government operation.

E-governance is much more than just designing and development of websites. It applies all rules and regulations through the participation of the people in the process of governance through the quality based electronic means and other computer softwares. The basic use of e-governance in India to provide SMART government i.e. Simple, Moral, Accountable and Responsive government. As per NeGP (National E-governance Plan) Indian has declared the vision and mission for digital India which is proposing e-governance process and its implementation for the citizens in various fields and sectors.^[1]

According to United Kingdom's E-government development report 2018, in this context India has reached to 96th rank and 0.5669 value out of 193 countries in the world. At the same time Indian has scored 0.9551 and rank 15th in the regard of E-participation Index^[4] This data shows that in the past 10 years India has increased its ranking in E-government development at international level.

Government of Maharashtra has taken initiatives to promote e-Governance in the state. As per e-Governance Policy of Maharashtra – 2011. Government of Maharashtra is one of the pioneers in promotion of ICT and e-Governance in India. Further it aims to maintain and strengthen the leadership of the state in the area of e-Governance and take it towards m-Governance. The Policy would enable citizens to avail of various services online, or at a place near their home, without having to visit Government offices at minimum possible cost. The policy would enable Government to function more efficiently and move towards a paperless environment.^[7]

Scholarship is nothing but a grant or payment is made to support a student for education. It can be based upon academic record, social background, economical conditions, etc. Hence, different types of scholarships are provided by central and state government which can be categorized as Central, UGC, AICTE and State level schemes. Today according to the policy of e-governance made by Government of Maharashtra almost all the operations for scholarships are handled through web portals i.e. registration process, login id, document upload, verification, sanction of grants, status of work, online grievances, etc.

OBJECTIVES:

- 1) To understand the concept of E-scholarship system.
- 2) To assess effectiveness of E-scholarship web portal

Research Methodology:

In the present study, MCA students are the respondents who are pursuing MCA professional degree programme from Dhule district of Maharashtra state are considered. The sample size is 50 respondents. Simple random sampling technique has been used in the study. Questionnaire is tuned as per the research study objectives. Through survey technique, primary data has been collected and analyzed by using quantitative analysis technique. Two colleges are running MCA programme in Dhule district i.e. 1) Dr. S.R. Ajmera MCA College for Women, Dhule 2) R.C. Patel Institute of Technology, Shirpur. Hence both of them are sample units. Scholarship services are controlled and monitored through www.mahadbt.gov.in web portal.

Data Analysis & Interpretations

Table 1: "Parameters for Assessing Web portal's effectiveness"

Sno.	Parameter	Marks (10)	Sno.	Parameter	Marks (10)
1)	User Friendliness	402	9)	User Interface	445
2)	Language Facility	367	10)	Process status Intimations	478
3)	Login ID	490	11)	Auto transactions (BANK)	500
4)	Authentication	498	12)	Accuracy	488
5)	Notices/Circulars	493	13)	Transparency	480
6)	Online Registration	485	14)	Email Facility	347
7)	SMS System	470	15)	E-receipts	319
8)	Online Grievance	461	16)	Update Facility	367
Total Marks :				8000	
Obtained Marks :				7090	
Percentage (%) :				88.63	

In the above table various parameters are declared for assessment of scholarship web portal i.e. www.mahadbt.gov.in Parameter assessment is divided into 16 parameters which describes entire usability and effectiveness ratings given by the respondent. Each parameter is set for maximum 10 marks. The MCA students are the respondents in present study. Their responses are recorded through survey method by using questionnaire technique. The total marks of all parameters are 8000 marks. The maximum marks for one parameter is (50 respondents * 10 = 500). Hence, (16 Parameters * 500 = 8000). According to the respondent's opinion, out of 8000 marks 7090 i.e. 88.63% has been scored which indicates that the majority of the respondents are agreed the effectiveness and usability of e-scholarship web portal.

CONCLUSION

- 1) All the respondents are agreed to receive proper functioning of e-scholarship website with appropriate privacy, security, transparency and accuracy.
- 2) The students are admitted to receive automatic transactions of e-scholarship on their personal bank account number. The

scholarship amount is directly deposited into their account. At the same time they get the notices or emails about the same.

- 3) Due to online grievance is student can put their problems from any places so that it helps them to trace their activities.
- 4) Web portal is accessible from computers as well as mobile devices. So that the students or user can establish a proper interface with the web portal.
- 5) There is user friendliness in the website which makes user more understandable and allows to use website in simple way.

REFERENCES

- 1) C.S. R. Prabhu "E-Governance concepts and Case Studies", 2nd Edition, PHP ,2015
- 2) Mr. Piyush Gupta, R.K. Bagga "Compendium of e-Governance Initiatives in India" Universities Press,2008
- 3) Dr. C.R.Kothari "Research Methodology: Methods and Techniques", New Age Publishers.
- 4) <http://mit.gov.in/content/national-e-governance-plan>
- 5) <https://publicadministration.un.org/egovkb/en-us/Reports/UN-E-Government-Survey-2018><http://mahadbt.gov.in>
- 6) <https://mahaeschol.maharashtra.gov.in/MahaEschol/Scholarships/Account/Login.aspx#1>
- 7) https://www.maharashtra.gov.in/Site/upload/WhatsNew/ESM_17_18_eng_book-ilo.pdf-compressed.pdf
- 8) https://www.maharashtra.gov.in/PDF/e_governance_policy.pdf