BMS Institute of Technology and Management

(An Autonomous Institution, Affiliated to VTU, Belagavi)

Department of Master of Computer Applications

(Accredited by NBA, New Delhi)

Alternate Assessment Tool (AAT)

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AAT Question or Topic or Problem Statement

i. **Do Data collection for the relevant scope of the topic you identified.**
ii. **Write the review article and identify the journals / conferences / publishers to publish your compile work.**
iii. **Write the future work of existing problem you identified.**

Domain Name: E-Government Procurement.

Data Collection:

Data which are required for starting research are:

1) Acceptance rate of government employees:
   Introducing new technology for government employees can be challenging task,
   Some might get used to new changes, some not and most of govt employees now are aged hence their learning curve should also be taken into consideration, and govt should arrange new training course for them to get used to new system.

2) Current issues faced by the public:
   We have to conduct surveys targeting the public asking them about the current difficulties they are facing if they want to visit a govt office like AADHAR Kendra for service related to aadhar card.

3) Government Policies and Regulations:
   My research goal is to make most of govt service to be done online, but I do understand that in some cases the public has to go in-person. Ex: AADHAR biometric registration, and there will also be strict govt policies that has to be taken into consideration, and we need to collect this data.

4) Data on e-govt procurement already implemented in India:
   There are some sectors in GOI where internet has been integrated, ex: Passport office of India, from registration of new applicant to renewal of passport, this has been implemented; the only reason why we have to be present in office is for document verification, which is very smooth process.
   So we have to collect the data based on which they have implemented their system so that we can get some insights which might be missed while we are doing our research.

5) Understanding the system architecture:
   Government of India has its own architecture and introducing new technology and integrating it into system can be difficult if we don't know their current architecture, this data will help us designing e-procurement system which resonates with already present architecture.

Review Article:

The implementation of e-government and e-procurement initiatives has the potential to enhance government services and improve efficiency. However, the high failure rates observed in e-government projects in developing countries necessitate a thorough examination of the challenges involved. However, due to high failure rates from government in implementation of e-government project necessitate a thorough investigation on what are the challenges causing this.

Introduction:

Technology now is evolving at very faster pace than compared to what time it would take for new technology to emerge, and to keep up with technology has been a difficult task, almost all the services are going online, meaning people/public are now becoming smart by adopting internet services, from ordering Furniture online to ordering groceries, everything has now become online, and public also expects some of government services to be online so that the amount of travel to be done would be reduced.

Challenges faced in E-Governement Implementation:

E-government implementation in developing countries faces several challenges across different domains. So far I have identified 4 key challenge categories: IT infrastructure, digital culture, budgeting, laws and legislation.
Each category presents unique obstacles that governments must address to ensure the successful implementation of e-government systems.

E-Procurement and Smart Cities:

The concept of smart cities emphasises importance on implementation of most suitable technical solution for most common of problem faced by public.
Ex: In city Hubli-Dharwad, in view of smart city government has made tie up with electric cycle company so that anyone now with help of mobile app can reserve a e-cycle and take it away anywhere and park them after use at their nearest e-cycle parking.

Conclusion:

The main aim of the review article was to show currently what are the difficulties/obstacles that are being faced by the government while implementing e-procurement. By acknowledging the above addressed problems actively by government will lead to overall good development of society and in-turn benefits the tax payers.

Publisher Identified so far: IEEE Xplorer, SpringerLink, Science Direct.

Future Work:

Based on the data that has been collected my future work would be on analyzing the data and coming up with comprehensive solution and try to test it in environment and see if it could yield good results, and if the results aren't the one what I expected then I would re-iterate the steps and try to come up with another solution.