

# Model for Implementation of e-Government Services in Developing Countries like Nepal

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## Model for Implementation of e-Government Services in Developing Countries like Nepal

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### ABSTRACT

**Purpose:** Nepal has taken an initiative to provide the various government services to its citizens by the use of ICT. However in developing countries like Nepal there are many challenges in front of Government in implementing these services through internet. So, the main target of this study is to formulate a proposed model of e-Governance based on G2C based on identified the basic achievement factors (BAFs) for viable execution of e-Government services.

**Design/Methodology/Approach:** Key focus of the research is to develop a model through modification of existing model of developed country which could be applied in Nepal. Content analysis of literature along with key informant interviews and 5 ranking Likert scale questionnaire survey has been applied for getting the objective. It is an approach towards creation of digital sustainability as digital transformation is taking rapid development.

**Findings/Result:** Since most part of the population is below poverty line and even the literacy rate towards IT services is also very less, it is a challenge for the implementing agencies. The authorities in Nepal have been continuously endeavoring to offer citizen offerings in a higher way. There had been numerous a success initiatives and lots of noteworthy initiatives had been undertaken in Nepal like citizen App. This paper has tried to identify the CSFs for the execution of E-Administration in Nepal to develop a proposed model of e-Government to Consumer (G2C) to enhance the effectiveness of E-Governance.

**Originality/Value:** The study contributes to develop a model for e-Government to adopt digitalization.

**Paper Type:** Research paper

**Keywords:** Advancement, Challenges, Critical Success Factors (CSFs), E-Governance, E-Services, ICT, Diffusion of Innovation.

### 1. INTRODUCTION :

Nepal is an emerging nation which actually is financial plan from unfamiliar guides (Mishra and Aithal, 2021) [1-2]. Indeed, even by recognizing the commitment of unfamiliar guides (Mishra and Aithal, 2021), it is designated to foster shrewd towns which must be conceivable with long haul arranging, system and venture (Pokharel et al, 2021) [3]. Data and Correspondence Innovation (ICT) has arisen as the most extreme green method for correspondence and information scattering. It has made an enormous and complex impact on economies, social orders, and societies. The quick advancement of wi-fi verbal trade in current years has outfitted tremendous endowments to some random society that has embraced its utilization. The appearance of e-administration might be appeared to be as one of the surrender outcomes (Mishra et al, 2022) [4].

E-governance is defined as the application of ICT in organizing interplay among the special tiers of presidency, business, and the citizenry. In addition, e-governance utilizes ICT to simplify and enhance

the democratic and enterprise factors of a government. The important goal of e-governance is to offer a pleasant, affordable, and efficient interface among a central authority and its human beings. It is ready ensuring greater transparency, responsibility and objectivity, resulting in value-effective and exceptional public service. E-governance is also about imparting a single window for government offerings at all stages. It is associated with generating a streamlined framework for authority offices and groups (Bhagat et al, 2021) [5]. The technology like Information & Communication Technology (ICT) developments is changing all aspects of traditional societies. One of such generation primarily based governmental carrier is the e-Government services. ICT has additionally been enabling the introduction of latest offerings, better, effective and quicker delivery of current ones and costless and more effective communications between distinctive parties and government bodies. Digital authorities also have challenges and possibilities to exchange each the operational manner of government, and the nature of governance itself. It influences on maximum capabilities in authorities activities and groups, the private region and civil society. It has the capacity to definitely trade the government operations and the interaction of citizens and businesses with government. Hence; every of three ranges of presidency desires suitable method and making plans so that it will implement e-Government correctly to broaden the use.

Lastly, it seeks to develop ICT gear and media, which will assist residents and groups, preserve tempo with new opportunities in nowadays's knowledge financial system.

Nepal faces many requesting circumstances in upholding e-administration. These include political issues, deficient human resources, the lack of a crime structure, minimal public mindfulness roughly ICT and horrendous ICT framework the country over. Because of the deficiency of coordinated making arrangements, ICT assets accessible in government work environments are underutilized. There is similarly a strong contest from specialists officials, as they consider ICT is a threat to action security [5].

## **2. PROBLEM STATEMENT :**

In spite of the truth that there's a superb purposes of movable advances, web and online media, the state is as up to this point not prepared for the e-Government. The EGDI fame of the US shows that the nation keeps on being in its beginning length for e-Government use. In any case, Nepal is advancing in e-government execution based on ICT strategy and EGMP.

Subsequently, the specialists of Nepal as well as the commonplace specialists ought to now think for strong e-specialists execution variant and system and its fitting inclusion and approach for fundamental improvement of the state.

Hence, to speak about those issues and the approaches to address them, the author evolved a proposed version Government to Consumer (G2C) on e-governance so that the government of Nepal could formulate sensible movements plans for the powerful implementation of e-governance, to begin with within the ministries or organizations they constitute, and subsequently throughout the entire authorities machine.

## **3. OBJECTIVES :**

As noticed there are numerous difficulties in federal Nepal, and research needs to be requiring for analyzing what are significant obstructions in e-Government system or services in Nepal. So, the main target of this study is to formulate a proposed model of e-Governance based on G2C based on identified the basic achievement factors (BAFs) for viable execution of e-Government services.

## **4. LITERATURE REVIEW :**

### **4.1 E-Government and Provincial Government Review:**

Federalism can be defined as the constitutional political system which creates separation of the managerial, governmental, and legal branches of government at national, provincial or state and local level. It is a kind of constitution in which there are three levels of government: national, provincial and local. Based on these branches, vertical division of executive power, horizontal separation of sub national legislature and judicial federalism are the three dimension of federalism [6-7].

The major objectives of e-government system are to strengthen good governance and build government responsive to a citizen by rising public participation. Developing a higher business environment and enhancing productivity and efficiency of government agencies [8-9]. To complete these goals e-

government need to integrate vertical and horizontal branches of government. So, the main challenges due to e-government are to manage interdependence of government branches and use of ICT [10].

These days, the information communication technologies (ICT) and globalization assist to erode national border on the business sector, likewise these technologies are boosting the concept of globalization framework “borderless world”. By means of these points, Roger Gibbins (2000) argued that “territorial foundations and jurisdictional preoccupation of the federal state are at risk to the transformative impact of ICT”. Additionally, he suggested not to rush to embrace new technological paradigm and impact of ICT depend on the level of the government which exercises political leadership [11]. Whereas Paul T. Jaeger (2002) identified e-government as a division with the great potential to generate many benefits for both citizen and government, however, e-government strategies should reveal the fundamental constitutional principle such as federalism and division of power [12]. A comparative learning of e-government and federalism in Italy (a country progressively moving towards the federalism) and Canada (federalist jurisdiction) by Ubaldi and Roy (2010) identified the requirement of improved alignment in e-government, territorial development effort, and federalist arrangements. Furthermore, they recommended and suggested that the political management play a vital role while developing the e-government across jurisdictional limitations [13]. On the first hand, e-government seems to be a centralized arrangement. On the other hand, federalism tends to make more decentralization use of power and resources. Thus, research needs to be done in the more specific way to find out the correlation between these domains. Besides, a particular study of how the transition to federalism affect e-government strategies and vice versa with consideration of the context and content of Nepal will also help Nepal government to improve good governance during the democratic transition and afterward.

#### **4.2 Major challenges with e-Governance implementation in Nepal:**

A variety of researches were performed to discover the demanding situations in imposing the success e-government. There are normally three belief along with citizens, businesses and authorities that want to be considered to expand a success e-Government. E-government demanding situations encompass infrastructure improvement, regulation and public arrangement, advanced separation and e-proficiency [14]. Administration of Nepal is battling different requesting circumstances in presenting and authorizing e-administration. These envelop policy centered issues, deficient HR, loss of a criminal structure, minimal public cognizance roughly ICT and poor ICT framework all through the US of America, negative proficiency cost, negative predictable with capita profit, absence of administration and the board's responsibility and lacking monetary resources are the foremost limitations and the difficulties of e-specialists execution in Nepal [15-16]. Rising nations generally defer behind in a current day preparing framework which could major areas of strength for construct capital. Deficient comprehension can bring about abuse of the advanced procedures obstructing the political endowments of ICT use [17].

It became referenced that Administration in Nepal stays in its initial degrees and best 60% of its administration organizations put in force e-administration administrations. The US has difficulties in all areas which incorporate political, social, generation and financial. Power crisis is one of the biggest challenges and puts a lot of obstacles in the current implementations. It must be noted that a bad infrastructure and economic and financial problems can often derail e-Governance services initiatives, similarly poor awareness and lack of quality manpower can be fatal. So immense measures and concrete planning should dictated in the above areas [18].

#### **5. CONCEPTUAL MODEL OF THE RESEARCH :**

The conceptual model or framework gives the overall idea and concept of the research. The conceptual model of the research “Challenges in the implementation of e-Government services in the context of developing nation like Nepal” can be designed on the basis of data analysis is shown in the figure below:

Conceptual Framework for effective implementation of e-Government services

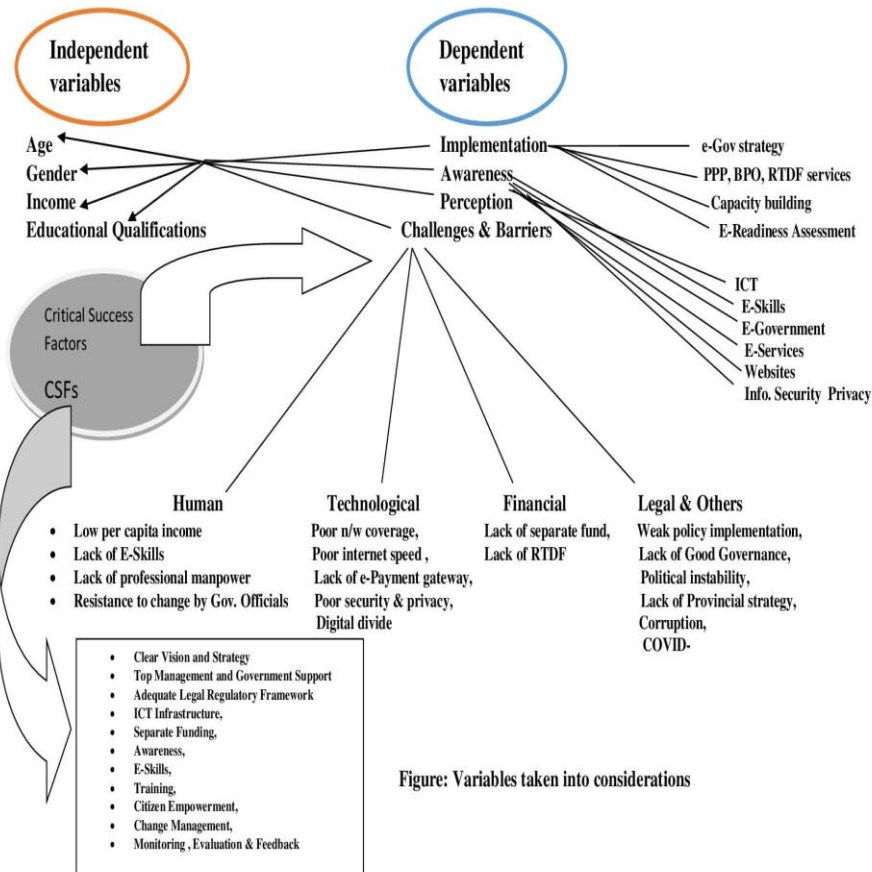


Figure: Variables taken into considerations

Fig. 1: Variables taken into considerations

**5.1 Introduction of Diffusion of Innovation (DOI) Theory:**

The DOI idea help us with a superior data of the manner in which improvements arise, and can work early sign of accomplishment or disappointment charge of the new coming [19, 20].

The DOI Hypothesis is a famous and commonly known variant wherein new advances are being inspected and researched for reception [19, 20] and DOI Hypothesis can be done regarding directing e-government execution. Development means to the pristine considerations and strategy for e-specialists execution which in many occasions; likewise include a part of ICT. A famous idea about the DOI idea with regards to e-specialists transporter transportation and a diagram of CSFs with regards to e-experts in Nepal can be examined as underneath:

The DOI system comprises of 4 principal components for the dissemination or transmission of a development or novel thought i.e the actual advancement, correspondence channels, time and Social designs. Dispersion concerning the DOI guideline is the procedure by which a development is conveyed throughout some undefined time frame. Rogers [22] characterized the advancement choice cycle as "data searching for and records handling hobby, in which individuals is propelled to reduce vulnerability around the favors and drawbacks of a development".

This development choice procedure includes five stages in a period requested way [21]:

- Information,
- Influence,



- Choice,
- Execution, and
- Affirmation

In sync one, individuals size up an advancement dependent absolutely upon understanding they have roughly the development. In the subsequent step, occupants decide if they need to take on or reject the execution of the advancement. The absolute last period of discussion is the affirmation section wherein occupants view the results of the advancement choice that is considered [21]. Correspondence over the development execution takes area inside a social machine through severa channels, in which partners' people make and extent the records with one another so you can arrive at a typical skill of the ubiquity of the advancement. The reception framework is each and every other segment through which residents pursue a choice at the engaging quality or dismissal of a development [19].

The standing pace of a still up in the air by utilizing five qualities, explicitly: the overall advantage of the development in contrast with the advances it supplants; similarity to current wishes and past reports, bother comparable to the issue and use; looking at potential with appreciate to the bound trial and error; and the recognizability of result of the development to the occupants inside the social machine [22, 23, 24].

The prior circumstances mindfulness on the circumstances that development or lessening the open door that an advancement or new idea may be widespread through people and envelop past practices, standards of the social framework and wants or issues experienced.

### **5.2. Research Method:**

This study research has used conducted mixed blended technique as it had included qualitative and quantitative processes each. The purpose at the back of the usage of combined approach is that it overcomes the disadvantages of each qualitative and quantitative strategies. Applying mixed approach helped to limit the predicament of unmarried approach and ensured the validity of gathered statistics.

### **5.3. Population and Sampling:**

Research population pertains to the carrier seekers and service providers of Province 1 Nepal. The exam turned into directed in order to understand the view of Nepalese residents in the direction of e-Government administrations in Province 1. The observe research became conducted with the intention to distinguish the notice of Nepalese citizens of Province 1 closer to E-Government offerings that are getting ample fame within the different neighboring nations which includes India and Bangladesh. The stage of focus and recognition of the respondents toward e-Government became considered the crucial element at the same time as designing the sample because the big result shall best be generated with actual statistics from the citizens who've the proper expertise on the difficulty count number. This unit in addition elaborates the details about pattern size and approach of sampling.

### **5.4 Sampling:**

The general of one hundred eighty questionnaires has been distributed amongst which a hundred had been online questionnaires and eighty had been offline, however, simplest 126 responded which covered seventy three respondents, who responded on line at the same time as ultimate 53 respondents filled up the questionnaire via hand. Populations were selected from four different categories; they were total of 126. Table below shows the data were collected from different sectors of Province 1.

### **5.5 Data Collection:**

To answer the Research questions, applying only one approach of gathering information could be unscientific. A type of techniques for gathering facts, so, were used in this examine. The foremost data series strategies used inside the examine studies was questionnaire survey approach and content analysis.

#### **Questionnaire Survey**

For this research, especially for the CSFs regarding the fruitful implementation and adoption of e-Governance, the Facts series method was ordinarily questionnaire survey approach. For this, the question pattern for questionnaire survey was close-ended and Likert scale degrees from “strongly

agree” to “strongly disagree” where solutions were furnished, amongst which the respondents have been requested to pick out. On the other hand, for the validation of the proposed model, the question pattern for questionnaire survey was subjective and open-ended as well.

### Questionnaire Development

Because the Examine studies become designed to recognize the CSFs of e-services from deliver and call for aspect residents, one not unusual set of questionnaire had been prepared for each carrier carriers and carrier seekers. Diverse statements had been located for the respondents to realize their attention and attitude which changed into measured in a “strongly agree” to “strongly disagree” (1-5) five point Likert Scale Format for the CSFs and subjective and open ended format for the validation and evaluation of the proposed model were made. Opinions of respondents on specific components of e-offerings had been additionally analyzed.

### 5.6 Validation of Model :

Qualitative research approach has been conducted and using the case study research strategy for the evaluation and validation of proposed model. An e-mail questionnaire method was used for data collection from the exports of ICT and e-Government. In order to structure the e-mail questionnaire, we proceeded to map the CSFs extracted from the data analysis and findings to the Diffusion of Innovation, DOI theory. The mapping between the extracted CSFs and the DOI idea turned into carried out primarily based at the specific definitions of the CSFs and how it pertains to the DOI principle definitions. For the validation and evaluation of the proposed model, a set of eight questions along with the proposed model have been sent via email to the group of 10 experts who have proper knowledge about ICT and e-government to assess the proposed model.

## 6. RESULTS AND DISCUSSION :

### 6.1 Critical Success Factors (CSFs) for e-Government implementation:

The questionnaire related to Critical Success Factors (CSF) which includes the idea, knowledge and implementation factors about e-Government were considered. The viable vital success factors are introduced as the choice of choice to the respondents who chose the options: “important” and “unimportant” while answering the questionnaire.

In relation to the CSF, there were fourteen (14) multiple response Questions placed into the questionnaire for gathering applicable facts. The information gathered from the vital achievement element questionnaire has been analyzed the use of numerous available statistical gear: spss and excel and for relevancy test and the information extracted from the set of collected facts turned into marked with the most important CSF with their frequency response percentages for e-Government implementation. A group of CSFs that were extracted from data analysis are shown in the table 1. The proposed framework designed on the basis of the conceptual framework and the CSFs categories extracted from data analysis and finding as shown table 1.

**Table 1:** Critical Success Factors

Success Factor		Responses		Perce nt of Cases	Description
		N	Percent		
1	Separate Funding	126	9.6%	100.0 %	Separate funding is needed. Unmanaged financial resources can fail any project
2	Adequate Legal Regulatory Framework	126	9.6%	100.0 %	e-government project success requires effective and Adequate Legal Regulatory Framework
3	Government Department Goals	114	8.1%	90.47	Government organizational and departmental goal and objectives should be clear for e-Government
4	Clear Vision and Strategy	126	9.6%	100.0 %	Set the vision and strategic plan for the project
5	Training	126	9.6%	100.0 %	ICT Training should be organized by the Provincial and Local Government for

					capacity building
6	Awareness	121	9.2%	96.0%	e-Government venture ought to be awarded to authorities personnel, residents, authorities agents, and other corporations in an effort to achievement
7	Citizen Involvement	101	7.7	79.8	By maintaining citizen trust, Government should focus on how can a large no. of citizen involvement on e-services provided by the government
8	E-Skills	102	7.8%	81.0%	e-authorities task fulfillment calls for figuring out and gaining the wished e-Skills for the undertaking and raised it
9	Top Management And Government Support	116	8.9%	92.1%	e-Government project achievement calls for effective leadership and top stage management support and dedication
10	ICT Infrastructure	126	9.6%	100.0 %	ICT infrastructure such as high speed internet, computer h/w, s/w, server, data center etc are the backbone of e-Government
11	Citizen Empowerment	120	9.2%	95.2%	Government should also focus on Citizen Empowerment for the success of e-Government
12	Change Management	106	8.2%	84.1%	Traditional organizational structure as well as the attitude of the government officials need to be changed and for that different programs and training should be organized for effective implementation of e-Government projects.
13	Security and privacy Management	126	9.6%	100.0 %	e-Government venture achievement calls for sturdy safety and privateness framework alongside expert manpower
14	Monitoring, Evaluation & Feedback	114	8.7%	90.5%	Without Monitoring, evaluation and feedback of the achievement and failure rate of the tasks, we will imagine a success e-Governance.

### 6.2 Data analysis and findings of the proposed model:

In order to evaluate and validate the proposed model the continuous comparison from earlier research has been made from the research of same research team (Bhagat et al, 2021) of e-Government to Consumer (G2C), total of eight questions were put along with the proposed model into the questionnaire for collecting relevant responses from the experts of ICT and e-Government. The data collected has been analyzed using various available statistical tools: spss and excel. For relevancy test and the records extracted from the set of amassed statistics become marked with their frequency responses. Structure of the proposed model was strongly supported in the existing form without any modification. Most of the participants (7 out of 9) agree that the relationship and mapping between DOI and CSFs is good and two of the respondent did not say anything. None of the respondents favored for adding, combining and splitting success factors. Professionals in today's world are targeting toward the goal of optimizing combinations of manual and automated work in order to streamline operations and improve its methods. The implementation of e-governance is not something that can be accomplished quickly; rather, it is a process that entails an investment of both time and money. In addition, it requires re-engineering in every part of the organization. The immense advantages it brings to workplaces in terms of getting things done are amplified by it.



### 6.3 Proposed Model: CSF's-Diffusion of Innovation mapping:

#### E-Government implementation CSFs mapping with Diffusion of Innovation (DOI) Theory:

To manage the difficulties and boundaries of e-government transporter execution in Territory 1 Nepal, this examination proposed an execution system got from CSFs that were removed from records investigation and finding for e-specialists execution planned to DOI idea for the reception of ongoing thoughts. Fourteen material CSFs (Table 1) had been perceived and planned all through the DOI advancement choice strategy. The ordered accomplishment factors give a complete perspective on what a focal power branch particularly wishes to address while forcing an e-Taxpayer supported initiative and undertakings.

There should be really important prerequisite for specialists to offer sufficient subsidizing so it will ensure that IT abilities are held, ICT foundation is introduced locale, and clean objectives are set on how e-specialists will carry out among the intuitive levels. In addition, genuine government help will ensure that need is given to ICT execution assignments. It is exceptionally a ton basic that clients should have cognizance of, and mastery of e-government stock so it will profit from using them. A huge amount of residents in Region 1 Nepal stay in country regions, frequently distant from period and framework. The e-Government execution undertaking wishes to be achieved in such a way that it underestimates no gathering of occupants as these execution plans ought to enable occupants and government employees with the fundamental data and capacities for the execution and utilization of e-specialists structures. Moreover, undertakings for road demonstrate in country local area on how occupants can enroll on-line should be done for the upside of normal residents. E-Abilities might be created via giving IT training to occupants and the authorities are each and every way of dealing with the virtual separation to ensure virtual proficient residents. For the execution of the task, over the top priority should be apportioned to the endorsement of adequate spending plans and subsidizing from public government. The parent 3 underneath shows the proposed model: Csf's-Dispersion of Advancement planning adaptation for e-government execution (G2C) for Nepal. The need Conditions that should be met sooner than setting out at the program comprises of 4 CSFs to be specific: speculation, jail and rules, departmental dreams and a clean innovative and perceptive and technique. These CSFs are removed and perceived from information assessment and situating of the investigations as they would build the open door that the e-government execution and reception. It is possible to transform into e-governance software all of the information necessary for efficient management, including each project name, ID, and important date of activities, required source and rate, specification, testing methods, Quality Assurance plan etc. This software would then be able to recognize projects based on their names and the activities they possess. It is possible to speculate on the factors that may lead to project performance in the organization using this information.

E-Government drives in any US of America and realm require separate venture to start and protect e-government drives. E-Government venture and contributions are provided through ICT foundation that is competent to computerize and digitize the public authority contributions. The e-specialists have ICT framework may moreover incorporate some of parts shaping the spine of e-government execution, especially foundation are application server environmental elements, foundation security, running frameworks, programming advancement gear, records and content material administration hardware, server farms and equipment.

Government benefit from having a better understanding of what they are working for, how they can accomplish their deadlines, and what their own strengths and shortcomings are. Because it gathers and maintains information on each project specifically, it may show appreciation for and recognition of a leader's best action on a given day, which has the effect of motivating those social activists throughout the day.

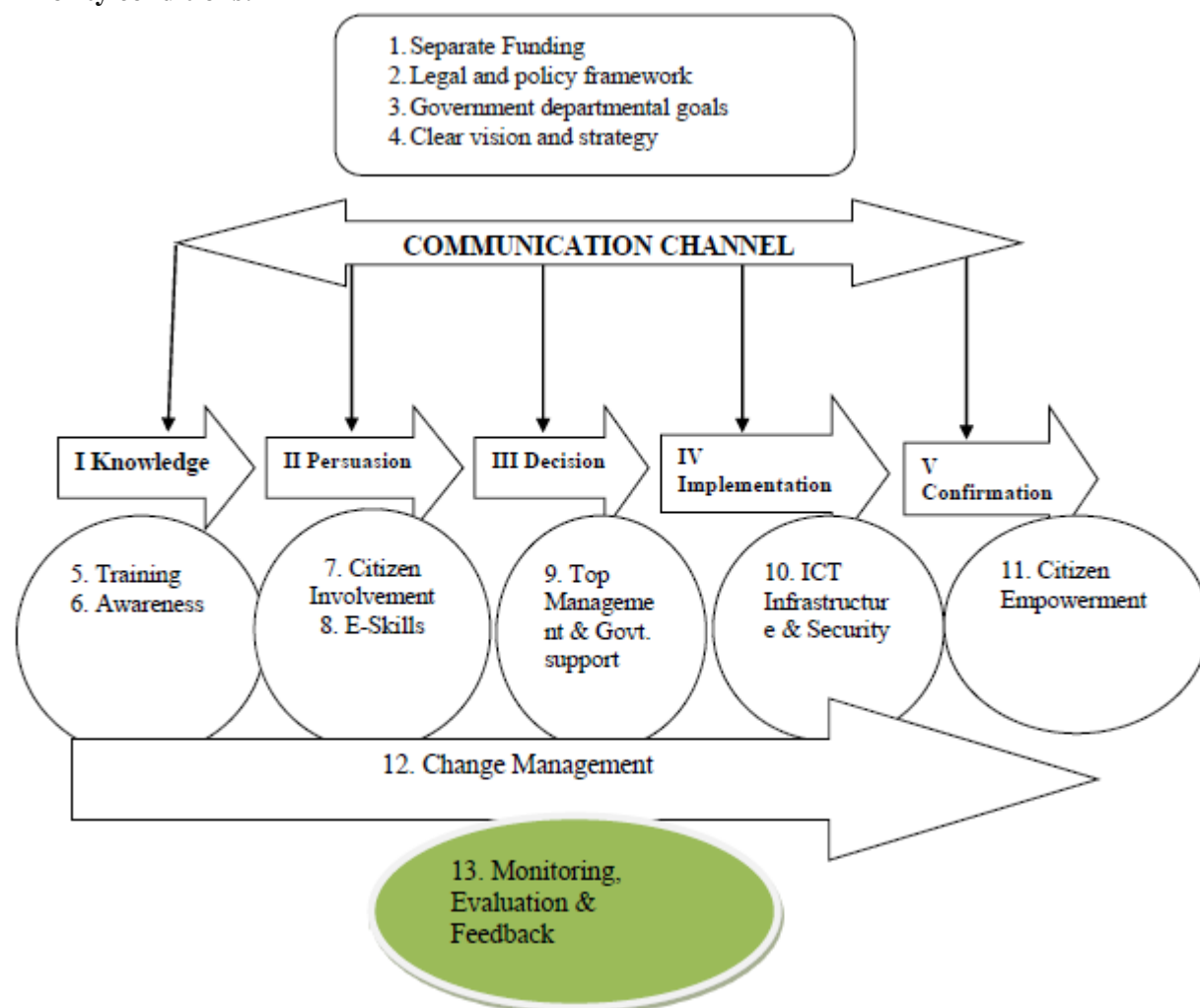
It gives everyone more freedom in their work and encourages them to contribute wherever their actions are required. The problem of losing trust and mutuality will be re strengthening with the formation of social capital. A big problem for developing countries are lack of investment in social capital and the good governance is only possible through huge investment in social capital which is possible only if society returns the profit to investor in terms of respects and reputations for which e-governance will enable the society to distinguish between social investor and fraudulent on the name of same. The performance of the system is evaluated in real time and on a regular basis thanks to this feature. E-governance keeps track of each operation's goal setting, targets, and time length; then, depending on

what it observes, it provides feedback to the system and helps them become more aware of their responsibilities.

It enables them to focus additional attention on the areas that need improvement and also measures system performance without any element of prejudice. As soon as the performance standards are input into the software, it will immediately begin analyzing system performance on a daily, monthly, and annual basis with records. It will provide a comparison analysis on the past and present performance of the system together with suggestions for enhancements. By providing system with timely reminders of difficulties in which they might offer their best performance, e-governance helps to decrease system neglect and maintain speed as well as potential actions of the system. It offers actors individualized scheduling options for activities that contribute to a healthier work-life balance overcoming the issue work pressure and health complexities related with the same.

E-governance analyzes social happiness and morale because it can quickly comprehend body language, tones of voice, facial expressions, and tone of voice. The attention of society members during meetings is measured by this metric. E-governance might recognize dedicated actors based on the activities they do, the efforts they take, and the ideas they contribute in the workplace. It makes it easier for society to identify potential leader with high morale during election.

**Priority conditions:**



**Fig. 2:** Proposed models: CSF's-Diffusion of Innovation mapping model for e-government implementation (G2C)

**Legal and policy framework:**

Unique legitimate issues stand up through e-specialists execution and reception methods as e-government execution frequently requires the turn of events, design and execution of ongoing regulation and guidelines, through a chain of official changes. Ability, Responsiveness, execution, viability,

Responsibility and straightforwardness systems are most significant thoughts of exact administration focused systems, and comprise of components like pleasant practice norms, top notch controls, managerial guideline, and administrative our bodies as guard dogs which incorporates inspectors and ombudsmen. Subsequently, right administration execution for e-specialists execution requires all partners to uphold their projects in this kind of way that standards of top administration comprehensive of obligation and straightforwardness is incorporated, that it conform to all appropriate legitimate rules, approaches prerequisites and best practice, and that it contains review, great assurance and recordkeeping programs that help sound administration and commitment.

**Government Department goals:**

Every government's goal and objective is to achieve good governance. So, great administration practice for e-government execution requires all partners to carry out their projects so that responsibility and straightforwardness is incorporated, that it conforms to every important regulation, principles and best practice, and that it obliges review, quality confirmation and recordkeeping programs that help sound organization and obligation.

**Clear vision and strategy:**

Government should have very Clear imaginative and prescient and strategic plan for the e-Government project implementation.

**Awareness:**

Mindfulness in e-specialists alludes to the system of proactively and really publicizing the gifts of e-specialists administrations to residents in each rustic and metropolitan district. Expanding acknowledgment of e-specialists almost immediately inside the program and at the underlying level of the e-government execution, obstruction can be stayed away from and blast and reception might be cultivated. Plus, prevalent administration backing and commitment is a worry and is expected throughout the entire e-administrations execution life cycle an effective method for giving and dispensing adequate resources.

The usefulness of every resident and government workers - to use and adapt to with new time must be taken care of for e-government execution and reception. Such abilities for the most part incorporate e-proficiency or computerized education gifts which incorporate realities education, distinguishing proof administration, getting to know abilities, and ICT proficiency capabilities generally connected with getting right of passage to the Web. These greatest basic abilities are generally sorted into abilities required if you have any desire to aggregate and comprehend e-specialists administrations realities, and the limit expected to make choices, clear up issues, and secure and scatter insights. Moreover, as e-specialists is a fresh out of the plastic new thought for occupants and government workers in non-industrial countries, e-government bring to the table for impetuses for partners to help these new designs. Consequently, partner and resident interests need to insight into and energize commitment at a gigantic level of work.

For change control, capacity protection from change by residents and the authorities are the standard issue and consideration ought to get throughout the e-specialists execution to guarantee that inhabitants as well as officials capture the advantages of the new e-administrations. A few thought processes in opposition that ought to be tended to might be dread of most recent time, absence of comprehension of the e-process sports and investigating methods. The result of e-government execution and reception can modify customary foundations and unavoidably comprise of adjustments to styles of discussion, artworks rehearses, authoritative designs, strategies and procedures empowered by utilizing the ICT execution. To guarantee the progress of e-specialists drives, ability changes which could come to pass ought to be unsurprising and tended to. For this reason, a very much planned and planned discussion and substitute administration methodology and strategy should be planned, developed and executed. Parts of this discussion and trade control approach include E-training and ICT impact, notwithstanding a reasonable vision and approach for the e-government execution should be required. Fruitful e-specialists concerns contain a perfect vision and systems that leads and supports the total e-specialists execution methodology and makes a specialty of the conviction of exact and well expressed e-government dreams.

**Training:**

Preparing is a significant detail to development the general accomplishment of e-government and e-contributions change connected at the hip with correspondence and trade control, as well as overseeing novel insights and time as appropriately. Preparing help residents to get specialized gifts expected to

apply innovation and closures in the expanded dispersion of e-specialists administrations into networks and social orders. Preparing and fearlessness in the utilization of new age, furthermore influence the charge at which residents embrace e-specialists administrations. E-Government works with resident strengthening via bestowing realities, as well as any open doors, to take part and make a commitment to public inclusion settling on for popularity based and participative choice making. To improve resident cooperation and inclusion, various types of online gatherings can be utilized.

**Information stage:**

In this stage, the development choice way starts with the comprehension stage in which the resident and investors attempts to perceive what the advancement is and the way that it works. To increment new skill at some stage in this degree, age tutoring For example E-preparing, preparing, and rehearses should offer each an approach to and perceive the reason why encounters. Along these lines, two CSFs, especially instruction and mindfulness are fundamental for both government employees and occupants at this level.

**Influence stage:**

The ensuing step, a sense designated section, is influence stage and all through this level a person has a terrible or gigantic feelings towards the development.

Two ensuing CSFs are essential right now - one government worker related and one resident related. The resident interest satisfaction issue could be done to government workers recognizing the E-Ability that they require and deliver to the development, and individual PC viability focuses to inhabitants where capable execution assumes a significant part.

**Choice stage:**

The 1/3 degree is the choice segment. In this level, an individual decides to simply acknowledge or dismiss the development. The CSF consideration for this level is top administration and government guide this is chiefly fixated on government workers and seen specialists help, approaching residents to cheerfully be given the e-specialists administration transporting advancement.

**Execution stage:**

The execution stage is the fourth stage and the development is completed and practice in this stage. A development can be changed with the guide of an individual during the strategy of its reception and execution of the new idea and innovations, and this ordinarily takes district all through the execution stage. Based at the volume to which an advancement is adjusted, the execution clients may likewise believe that specialized assistance should decrease the level of vulnerability about the outcomes lastly putting accentuation at the ICT framework achievement factor.

**Affirmation stage:**

This is the degree wherein the individual searches for help for their choice by utilizing searching out consoling messages that confirm their determination. The CSF urgent here is resident strengthening drawing in occupants to remain stressed, utilizing the advancement and assisting with upgrading and further developing it.

**Change the board:**

The second shutting CSF is trade the board which is huge across each of the five territories or periods of the advancement decision framework wherein trade venders could likewise blast the consistency of the cost of reception of developments.

**Observing, Assessment and Input:**

This is the last phase of the proposed structure that will be applied to gauge the general presentation of the carried out e-Government projects.

Proposed model design was valued in the current situation with next to no change. The majority of the members concur that the relationship and planning among DOI and CSFs is great and two of the respondent didn't offer their perspective. None of the respondents inclined toward for adding, joining and parting achievement factors.

**7. CONCLUSION :**

The discoveries of this assessment recommends that the respondents consented to keep up with the design of the proposed form as is with no correction. Accordingly, for you to adapt to the prerequisite of e-specialists execution in non-industrial countries like Nepal, this proposed model can be appropriate for the execution and reception of e-supplier because of the reality the most fundamental accomplishment factors for strong e-specialists execution are planned to DOI thought for the reception

of late considerations. Fourteen colossal CSFs were distinguished and planned across the DOI advancement choice framework. The recorded accomplishment components offer a total standpoint of what a focal power gatherings and divisions particularly wishes to adapt to while carrying out an e-Taxpayer supported initiative and e-supplier. The proposed e-government execution system can be done in a focal power branch in Region 1 to focus on the point of convergence regions in their e-specialists execution.

### **8. RECOMMENDATIONS :**

In this reviews, all satisfaction components connected with e-government execution had been gathered mostly from data assessment and finding.

(1) The assembled satisfaction components are consolidated into one model that makes it smooth for various specialists to take a gander at them and may transfer more noteworthy accomplishment components to the posting.

(2) Joining the accomplishment variables of e-government execution into one form gives the specialists the likelihood to think about them of their genuine executions.

(3) Professionals inside the area of ICT and e-specialists execution might involve the proposed structure as guiding of their executions.

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### **REFERENCES :**

- [1] Mishra, A. K., & Aithal, P. S., (2021). Foreign Aid Movements in Nepal. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 6(1), 142-161. DOI: <https://doi.org/10.5281/zenodo.4677825>. [Google Scholar](#)
- [2] Mishra, A. K., & Aithal P. S., (2021). Foreign Aid Contribution for the Development of Nepal. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 6(1), 162-169. DOI: <https://doi.org/10.5281/zenodo.4708643>. [Google Scholar](#)
- [3] Rajat Pokharel, Mishra, A. K., & Aithal, P. S., (2021). Practicability Assessment of Smart Village Project: A Case of Sandakpur Rural Municipality, Ilam Nepal. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 6(2), 265-281. DOI: <https://doi.org/10.5281/zenodo.5799392>. [Google Scholar](#)
- [4] Mishra, A. K., Singh, M. K., Gautam, D., Bhagat, C. (2022). Assessment of Compact Minkowski Fractal Microstrip Filter for Band Applications. *Journal of Emerging Technologies and Innovative Research (JETIR)*, 9(5), 423-428, DOI: <https://zenodo.org/record/6538787>. [Google Scholar](#)
- [5] Bhagat, C., Sharma, B. & Mishra, A. K., (2021). Critical Success Factors for the Implementation of E-Governance - A Case Study of Province 1 Nepal. *International Journal of Interdisciplinary Research in Arts and Humanities*, 6(1), 22-26. <https://doi.org/10.5281/zenodo.4771690>. [Google Scholar](#)
- [6] Kim, Y. S. (2007). E-Governance Implementation Strategy in Least Developed Countries: A Nepalese Case. Available at: <http://delivery.acm.org> (accessed 20 January 2016).
- [7] Park, S., Choi, D., & Hong, P. (2015). Club convergence and factors of digital divide across countries. *Technological Forecasting and Social Change*, 96(1), 92-100. (Available at: <http://dx.doi.org/10.1016/j.techfore.2015.02.011>). [Google Scholar](#)
- [8] MoF (2017). Economic Survey, Government of Nepal. Sinhadurbar: Ministry of Finance. Kathmandu, Nepal. [https://mof.gov.np/uploads/document/file/for%20web\\_Economic%20Survey%202075%20Full%20Final%20for%20WEB%20\\_20180914091500.pdf](https://mof.gov.np/uploads/document/file/for%20web_Economic%20Survey%202075%20Full%20Final%20for%20WEB%20_20180914091500.pdf)
- [9] Regmi, M. (2017). Strategies for e-government in Nepal civil service Journal of Personnel Training Academy Lalitpur: *PTA, Nepal*. 5(1), 86-101.



- [10] Furuholt, B., & Wahid, F. (2008). E-government challenges and the role of political leadership in Indonesia: the case of Sragen. Proceeding of the 41st Hawaii International Conference on System Science, IEEE, Waikoloa, HI, USA.
- [11] Giri, S. and Shakya, S. (2018). ICT and service delivery mechanisms in civil service of Nepal. *International Journal of Computer Science and Mobile Computing*, 7 (4), 47-52. [Google Scholar](#)
- [12] Heeks, R. & S. Bailur, (2007). Analyzing e-government research: perspectives, philosophies, methods and practices. *Government Information Quarterly*, 24, (2), 243-265. [Google Scholar](#)
- [13] Ghimire, T. B. (2011). A Ph.D. dissertation on regulatory policy factor impact on cultivation of public trust in e-government system in Nepal, submitted to Seoul National University. Information Technology Policy Program (Available at Library.snsu.ac.kr)
- [14] Shin, S. Song, H. & Kang, M. (2008). Implementing e-government in developing countries: Its unique and common success factors, Paper Presented at the Annual Meeting of the APSA, Annual Meeting. Hynes Convention Center, Boston. Available online at: [www.allacademic.com](http://www.allacademic.com) Accessed at: 9TH February 2016.
- [15] The Asia Foundation (2007). Improving governance and reducing corruption through e-government. <http://www.asiafoundation.org/CCT/egovernment.html>. Accessed 11 January 2017.
- [16] Ibrahim, A., Alghamdi, R. G. & Giselle, R. (2011). E-Government readiness assessment for government organizations in developing countries. *Computer and Information Science*, 4(1), 3-17. [Google Scholar](#)
- [17] Sharma, K. (2014). Relevancy of the reform of public service commission on the context of the restructuring of the state, Nijamati Sewa Darpan Kathmandu: Public service commission, Nepal.
- [18] Shrestha D. (October 2017), E-Governance practices in Nepal: Implementation barriers and challenges: School of Computer Science and Technology Nanjing University of Aeronautics and Astronautics, Nanjing 210016, China Email: wtan@foxmail.com
- [19] Shareef, M. A., Yogesh, N. A., Dwivedi, K. (2012). Examining adoption behavior of mobile government. *J. Comput. Inf. Syst.* 53(1), 39–49. [Google Scholar](#)
- [20] Zoo, H., de Vries, H.J., Lee, H. (2017). Interplay of innovation and standardization: exploring the relevance in developing countries. *Technol. Forecast. Soc. Chang.* 118(1), 334–348. [Google Scholar](#)
- [21] Botha, A., Smuts, H., de Villiers, C. (2018). Applying diffusion of innovation theory to learning management system feature implementation in higher education: lessons learned. In: Hao, T., Chen, W., Xie, H., Nadee, W., Lau, R. (eds.) SETE 2018. *LNCS*, 11284(1), pp. 56–65. Springer, Cham. [https://doi.org/10.1007/978-3-030-03580-8\\_7](https://doi.org/10.1007/978-3-030-03580-8_7). [Google Scholar](#)
- [22] Rogers, E. M. (2003). Diffusion of Innovations. The Free Press, New York.
- [23] Akça, Y., Özer, G. (2014). Diffusion of innovation theory and an implementation on enterprise resource planning systems. *Int. J. Bus. Manag.* 9(4), 92–114. [Google Scholar](#)
- [24] Sahin, I. (2006). Detailed review of Rogers' diffusion of innovations theory and educational technology related studies based on Rogers' theory. *Turk. Online J. Educ. Technol.* 5(2), 14–23. [Google Scholar](#)
- [25] Bhagat, C., Sharma, B. and Mishra, A. K., (2021). Assessment of E Governance for National Development – A Case Study of Province 1 Nepal. *East African Scholars J Eng Comput Sci*, 4(4), 46-52. DOI: 10.36349/easjecs.2021.v04i04.003. [Google Scholar](#)

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