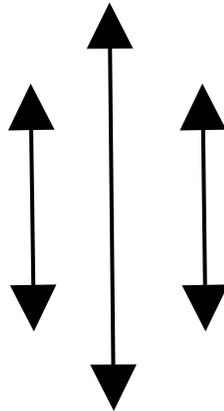


TRIBHUVAN UNIVERSITY
Institute of Engineering
Pulchowk Campus
Department of Electronics and Computer Engineering



DATABASE MANAGEMENT SYSTEM
PROJECT ON
“e-Population Census(e-PC)”

Submitted By

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ACKNOWLEDGEMENTS:-

We are greatly thankful to all those who inspired us to do this project. Specially we would like to thank **sir JayaRam Timilsina** for providing us a lot of help related to our project. We are greatly inspired by members of Locus-2008 to do this e-government project.

At last we thank all our **friends** for providing necessary help and materials for the purpose of our project.

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ABSTRACT :-

“e-PC” is a project based on collecting information about population, which includes the information on date of birth, date of death, economic status, family status, job, marriage, education and other important facts about people. “e-PC” is especially focused on national sector. “e-PC” will be helpful to determine certain information like birthrate, death rate, economic status, literacy rate of the selected area and finally of whole nation. “e-PC” will play a key role on issuing citizenship for a person.

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Introduction :-

In Nepal, like in many other countries, population censuses have been taken every ten years or so. Since the first population count of 1911, nine more censuses have been conducted so far. The earlier censuses of Nepal are considered less precise as compared to the modern ones. Four censuses taken before the 1952/54 census, for example, are considered “head counts” only. The 1952/54 census was taken in two parts of the country in two different years. Then a synchronized census was taken in 1961. After 1961, a census has been taken in every ten years. The last census in this series is the 2001 census.

Compared to the early censuses, the modern censuses of Nepal are becoming more popular. The Constitution of the Kingdom of Nepal, 2047 (1990) has increased the importance of the Nepali Population Census. According to the Constitution, the number of seats in the “House of Representatives” from each of the 75 administrative districts is determined on the basis of the population census. The provision in the Constitution reads as follows:

"...the ratio of the number of seats allocated to any district shall be, so far as practicable, equal to the ratio of the population of that district to the national population, as determined by the last census preceding the concerned election..."

(Sub-article (2) of Article 45, Part 8 of the Constitution of the Kingdom of Nepal, 2047)

Although, for the purpose of the Constitution it might seem that head count is sufficient, the modern population censuses of Nepal are more than the head counts. They provide a wealth of information on the state of the population in the country. This paper presents a general perspective on the upcoming 2011 census of Nepal primarily based on the experiences of the last census of 2001.

OBJECTIVES:-

This “e-PC” will be very beneficial for government sector. It will be useful

- To create Zone, District, VDC dynamically.
- To register a birth
- To register a death
- To provide the statistical data for small administrative areas
- To provide information on caste and ethnic group
- To calculate the economic status of people
- To calculate the literacy rate of people
- To show sex ratio
- To calculate no of infant (age group)
- To issue citizenship in accordance to the database
- To show different statistics about demography
 - Birth rate
 - Death rate
 - Infant mortality
 - Cause of death

Relation Schema:-

Zone-schema=(z_id, z_name)

District-schema=(d_id, d_name, z_id)

Vdc-schema=(v_id,v_name,vdm,d_id)

Ward-schema=(w_id,w_name,v_id)

Adminpass-schema=(p_id,p_name)

Wardpass-schema=(p_id,p_name,d_name,v_name,w_name,user,w_id)

Staffpass-schema=(s_id,s_name,w_id,user);

Dead-schema=(deid,cause,year,month,day,nid);

household_basic-

schema=(household_basic_id ,no_of_members ,household_head_id ,ward_id);

personal_basic-

schema=(N_id ,first_name ,middle_name ,last_name ,year ,month ,day ,sex ,father_id ,

mother_id ,photo ,telno ,mobile ,email ,ward_id);

census-schema=(cencus_id,name,year ,month ,day ,motto, current);

members-schema=(member_id ,household_basic_id ,N_id);

citizenship-schema=(citizenship_id ,N_id ,no ,year,month,day ,type);

marriage-schema=(marrige_id,N_id,p_id ,year,month,day,intercaste ,current);

children-schema=(children_id,N_id,boys ,girls,infant_death,birth);

divorce-schema=(divorce_id,N_id,p_id,year ,month,day,cause);

migration-schema=(migration_id,N_id,migrated,ward_id,year,reason);

education-

schema=(education_id,N_id,able ,finished_level,current ,current_level ,reason);

caste-schema=(caste_id,N_id ,caste);

languasge-schema=(language_id,N_id,mother,secondary);

religion-schema=(religion_id,N_id,religion,changed ,cause);

occupation-schema=(occupation_id,N_id,job,labour,business,agriculture,unemployed,

household,not_age);

job-schema=(job_id,N_id,job ,salary,hours_worked);

labour-schema=(labour_id,N_id,labour ,average_income ,hours_worked);

business-schema=(business_id,N_id,type ,average_salary);

agriculture-schema=(agriculture_id,N_id,area ,household_id);

hosehold_detail-schema=(household_detail_id,household_basic_id

own_house,has_house,land,livestock,female_land,female_livestock,small_scale_activity)

Case Study:-

“e-PC” is a e-Government project. “e-PC” is focused on population census. For this project we have studied the present and past existing method for census. At present context census is taken in the time span of 10 yrs. First census was taken in 1911 AD. On implementing such system, a lot of approximation, based on the previous census, is required if any present statistical study have to be performed. Considering the study of previous census taken in 2001 A.D. It holds all the statistics of the early 90's to late 90's. It was found that population of the country grew phenomenally. On study, It was found that the population of Nepal was increased at an average rate of 2.00 percent per annum during 90's. As in such system if anybody want to do research in 2009 A.D then he had to regard all the statistical data of 2001 A.D census.

The Project Schedule:-

The approximation schedule of the project to complete is as follow:-

<u>ID</u>	<u>Task</u>	<u>Duration(days)</u>	<u>Commutative days</u>
1)	Choose project	5	5
2)	Discussion	10	15
3)	Resource collection	13	28
4)	Proposal writing	3	31
5)	Coding	15	46
6)	Testing and debugging	10	56
8)	Report writing	4	60

Literature Review:-

e- Population census project holds the statistics of every small to large sector of Nepal in a single database via various tables. For implementing this project mysql and php has been used as for database and webpage design. This, e-census, helps to create database for every records of the Nepal regarding its various district, Zones.

e- Population census helps any researchers to get the present statical data of Nepal regarding the religion, caste, economy, mortality, birth and health. Overall e-census can be regarded as one of the major requirement for the development of new Nepal.

Applications:-

“e-Population Census” has very wide application in development of new Nepal and some of its application can be listed as below:-

- ◆ Make easy to obtain “NID” (citizen id)
- ◆ Can be used for population analysis.
- ◆ Can be used to determine age groups (aging, infant) study
- ◆ Determine birth rate, mortality rate
- ◆ Can be use to analysis various small and large sector of Nepal
- ◆ Can be useful for the government to make plans and policies for the least developed sector of Nepal after knowing via “e-PC”

Future Enhancement:-

“e-PC” holds all the information about a person and every wards, VDCs, Municipalities, District, Zones of Nepal. “e-PC” is wide open for future enhancement in various sector as:-

- It may hold the information about health situation of specified region
- It may hold the information specifying the names for voter list

Conclusion:-

“e-PC” project have very good scope in the present context of new Nepal. This project gives the statical analysis of every small part of Nepal. “e-PC” holds the database for ever information regarding every person of every wards, VDCs, municipalities, district, zones of Nepal. It keep all, household and personal, information of every people of Nepal.

Hence this “e-PC” can provide Nepal government a good platform to design plans and policies for every small and large sector of Nepal.

RELATIONAL SCHEMAS

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schema=(N_id ,first_name ,middle_name ,last_name ,year ,month ,day ,sex ,father_id ,
,mother_id ,photo ,telno ,mobile ,email ,ward_id);
census-schema=(cencus_id,name,year ,month ,day ,motto, current);
members-schema=(member_id ,household_basic_id ,N_id);
citizenship-schema=(citizenship_id ,N_id ,no ,year,month,day ,type);
marriage-schema=(marrige_id,N_id,p_id ,year,month,day,intercaste ,current);
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hosehold_detail-schema =
(household_detail_id ,household_basic_id ,own_house,has_house,land ,
livestock,female_land ,female_livestock ,small_scale_activity);

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- ❖ Different sites