ISSN(Online): 2320-9801
ISSN (Print): 2320-9798

International Journal of Innovative Research in Computer and Communication Engineering

(An ISO 3297: 2007 Certified Organization)

Vol. 4, Issue 2, February 2016

Direction Viewer for Google Mapping using Mobile Keypad

Swati Patil[1], Kajal Gaikwad[2], Urvashi Battinwar[3], Prof.Gunjan Jewani[4]

Students of UG, Dept. of Computer Science and Engineering, Nagpur Institute of Technology, Mahurzari, Nagpur, India[1,2,3]

Asst. Professor, Dept. of Computer Science and Engineering, Nagpur Institute of Technology, Mahurzari, Nagpur, India[4]

ABSTRACT: Many Researches on Controlling Artificial Intelligence based games and cursor of computer through mobile phone has been conducted with different approach to solve various problems. There are also customer helpline numbers to inform the status of train. Showing various advertisements or movies on television for entertainment purpose. Since, all these services are provided for the development and growth of public in some or the other way. Taking in consideration of the population of India (as India Ranks 2nd after China in world for largest population growth), we are introducing Navigation of Google Map Control Facility using Mobile Phone. Our objective is to provide this facility on places like Railway Stations, Bus Stations, Airports, etc. where people can have an access to these services, especially the ones who are new comers. These service acts as a guide for the public. Everyone has mobile phone these days. The map of the respective area can be extremely helpful for a newcomer. Only the screen will be provided for customer interface. The testing of this project was first done on the Basic Nokia and the implementation proved successful with desired output.

KEYWORDS: GSM, DTMF IC, Mobile Phone, RS232 Cable, Dikjestra Algorithm.

I. INTRODUCTION

Present day customer services offered are like entertainment through broadcasting of various channels running ample of programs, likely showing PNR status on the computer screen, displaying the names of train arrival and departure timings and the route followed by these trains in major stations are broadcasted live on television (LCD). There are also customer helpline numbers to inform the status of train. Showing various advertisements or movies on television for entertainment purpose.

Since, all these services are provided for the development and growth of public in some or the other way. Taking in consideration of the population of India (as India Ranks 2nd after China in world for largest population growth), we are introducing Navigation of Google Map Control Facility using Mobile Phone. Our objective is to provide this facility on places like Railway Stations, Bus Stations, Airports, etc. where people can have an access to these services, especially the ones who are new comers.

These service acts as a guide for the public. Everyone has mobile phone these days. The map of the respective area can be extremely helpful for a newcomer. Only the screen will be provided for customer interface. The testing of this project was first done on the Basic Nokia and the implementation proved successful with desired output.

Both the applications are user friendly .i.e. new users can be easily comfortable. Gives the exact location of the target.The applications also alerts about the distance travelled by the target and also the routes that are possible to reach to the target. This project is used for finding a location. By using DTMF (Dual tune multiple frequency) for converting the code in binary form.

ISSN(Online): 2320-9801
ISSN (Print): 2320-9798

International Journal of Innovative Research in Computer and Communication Engineering

(An ISO 3297: 2007 Certified Organization)

Vol. 4, Issue 2, February 2016

II. OBJECTIVES

Our project is just a different way of approach to the problem for accessing an internet facility such as Google map via mobile keypad. A simple basic handset (which primarily does not contain any internet facility and with no advanced applications) for example: Nokia Mobile.

1) Show Routes
2) Search Multiple Locations
3) Shows Directions.
4) Search by coordinates.

1) Show Routes:
In the show route, show the route or path to the destination.
2) Search Multiple Locations:
In this part, we can search the multiple locations at a time.
3) Shows Directions:
In the show direction, we can show the direction of the path or route.
4) Search by coordinates:
In the search by coordinate, we can search the path or route by using coordinate, all place are given the particular code that means the coordinate.

III. PROBLEM DEFINITION

It is seen during travelling to a new City or any unknown place it's difficult to find way/path to a destination without a guide and a basic model for communication. In this case people are trapped either by misleading or any other issues leading them to a waste of time and money. This is where we found a simple solution to their problem. The concept is a user is provided with a specific dialling number (by service provider). The user has to dial this number to have an access to Google Map via user cell phone (this software is independent of types of cell phones used).After dialling this number, the call is received automatically at the service centre which directs the user's call to the LCD display (provided as a user interface) as a display in front of the user to access Google Map service. This LCD display in front of the user is connected to the Internet. This is a simple approach to provide Google Map facility at places like Railway Stations, Airports, etc.

IV. PROPOSED WORK

DTMF to Digital conversion & communication with PC:

DTMF is a generic communication term for touch tone. DTMF stands for Dual Tone Multiple Frequency.DTMF is a term which used in telephone industry. When any key on telephone or mobile phone is pressed one tone is generated. The tones produced when dialling on the keypad on the phone could be used to represent the digits, and a separate tone is used for each digit.

Decoding DTMF code**:** When any DTMF code has been received at mobile phone it can be audible through speaker. So to decode this DTMF code speaker output itself can be used .Output of speaker is connected to IC which is DTMF decoder IC. It used widely to decode DTMF code. It gives 4-bit digital output q1, q2, q3 and q4 according to the received key.

ISSN(Online): 2320-9801
ISSN (Print): 2320-9798

International Journal of Innovative Research in Computer and Communication Engineering

(An ISO 3297: 2007 Certified Organization)

Vol. 4, Issue 2, February 2016

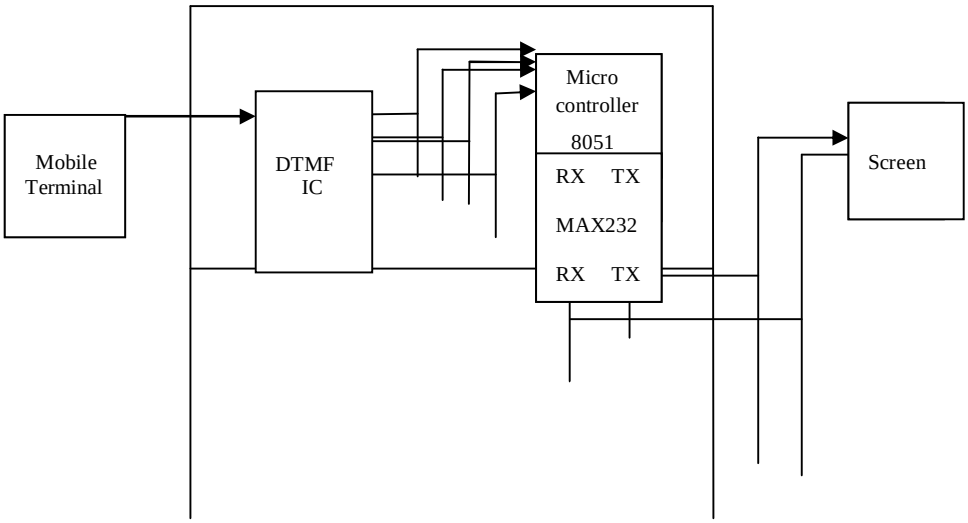
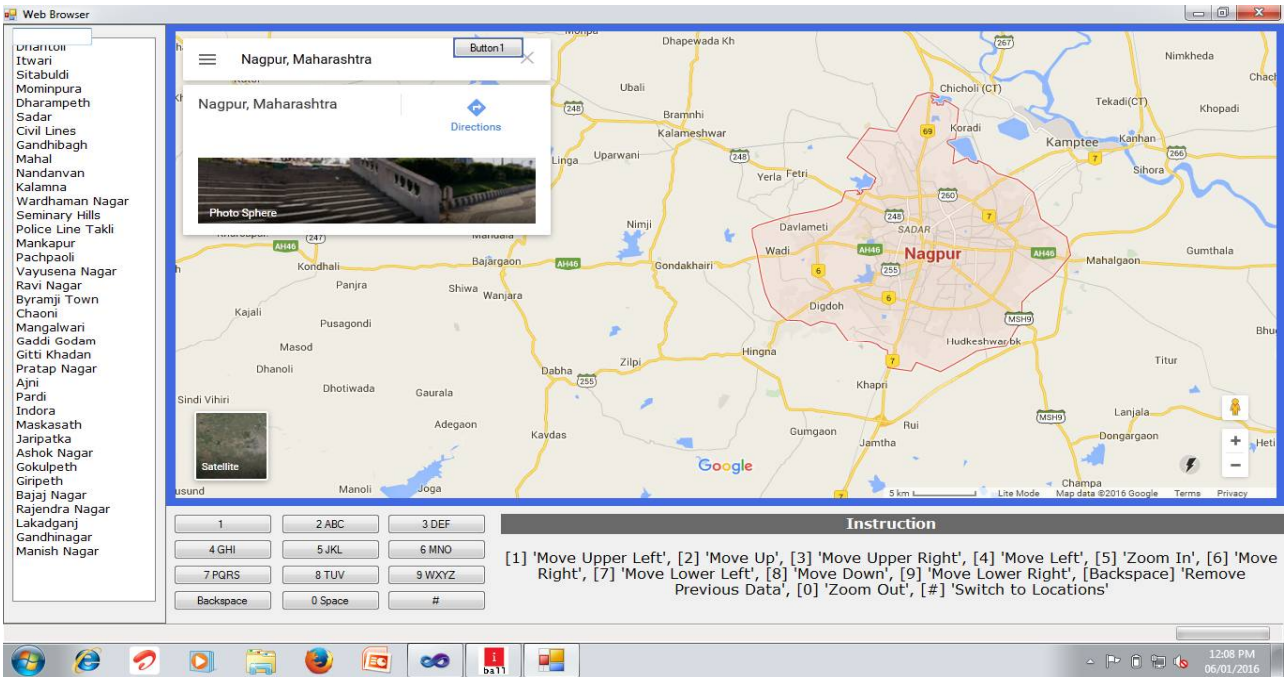


Fig: DTMF to Digital conversion communication with PC

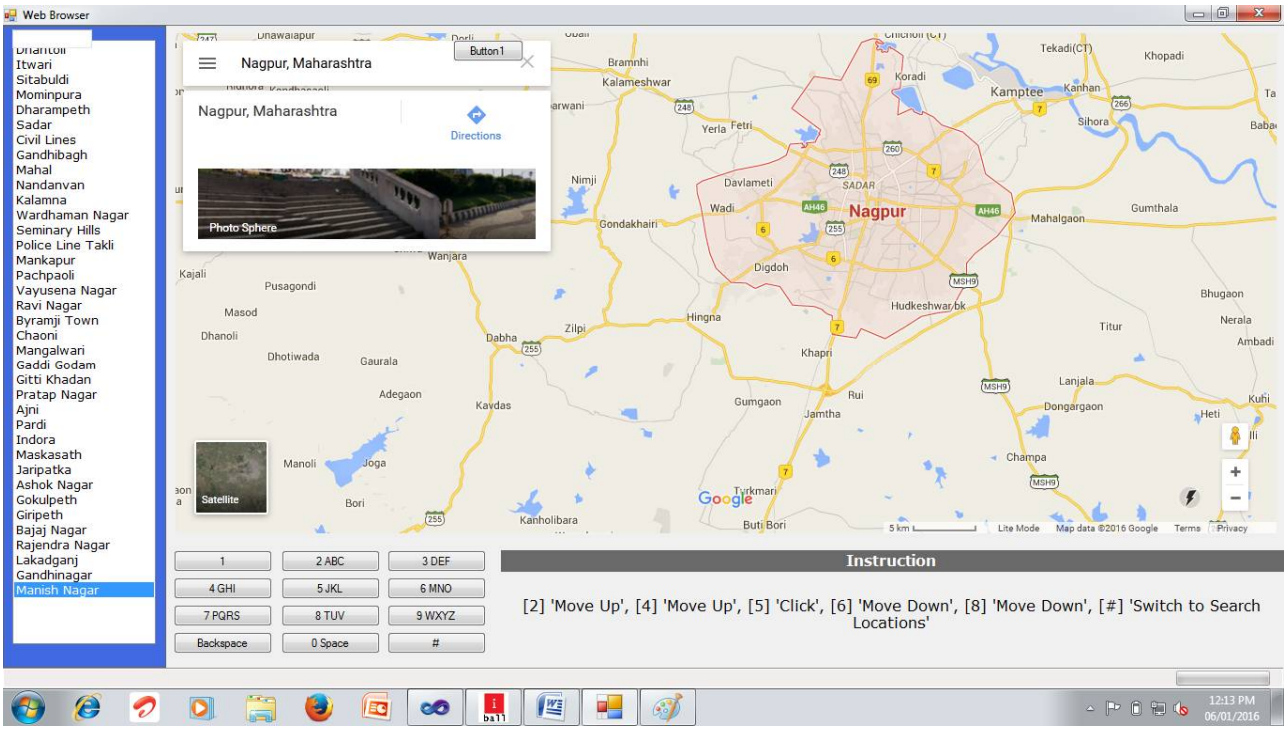


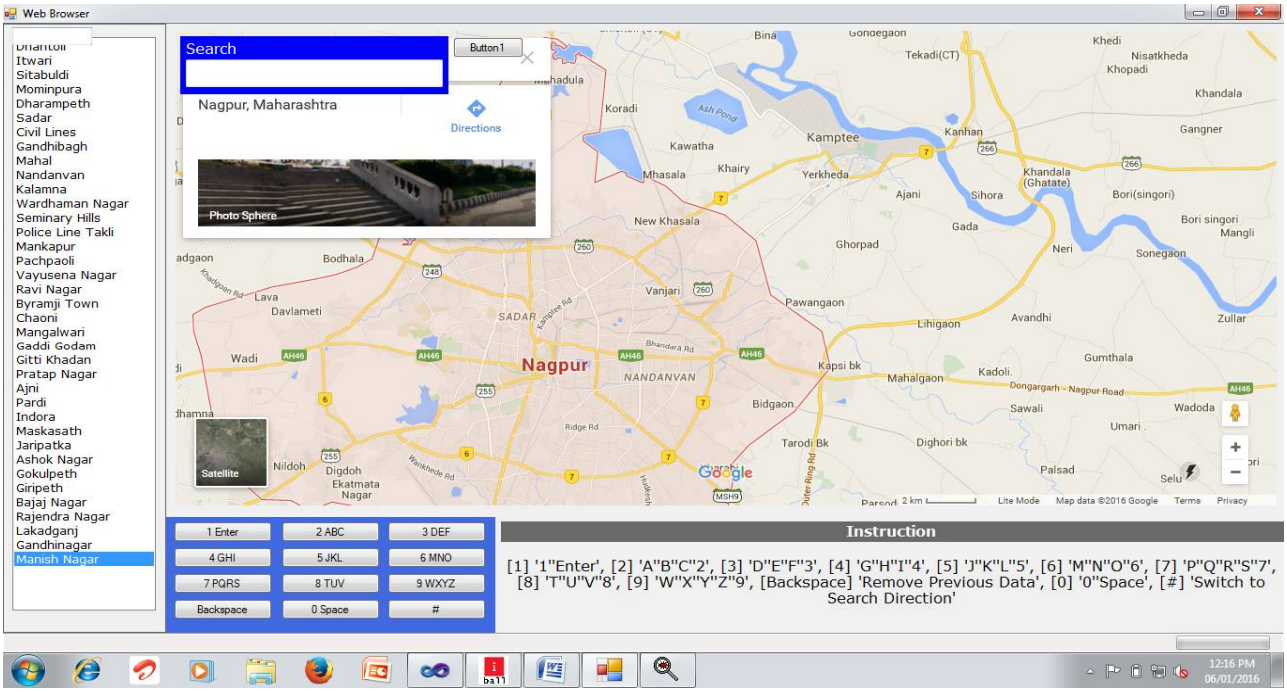
ISSN(Online): 2320-9801
ISSN (Print): 2320-9798

International Journal of Innovative Research in Computer and Communication Engineering

(An ISO 3297: 2007 Certified Organization)

Vol. 4, Issue 2, February 2016



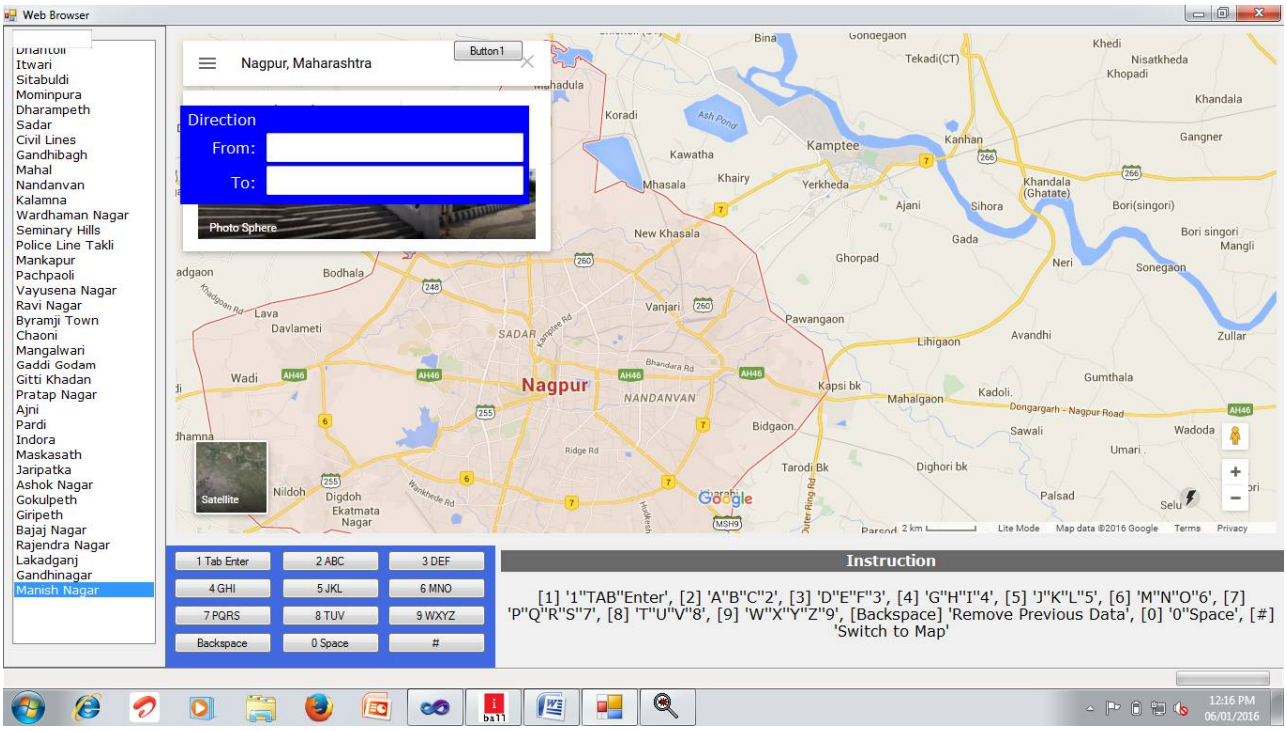


ISSN(Online): 2320-9801
ISSN (Print): 2320-9798

International Journal of Innovative Research in Computer and Communication Engineering

(An ISO 3297: 2007 Certified Organization)

Vol. 4, Issue 2, February 2016



V. CONCLUSION AND FUTURE WORK

In this literature we have examined the usability of map applications for mobile devices. This paper presents a method to control a remote system using the DTMF tone generated by transmitting telephone instrument when the user pushes the keypad buttons of the mobile phone connected to the remote system. This project is used for finding a location by using DTMF (Dual tune multiple frequency) for converting the code in binary form. In future the user can access google map in our own mobile screen by connecting with the main screen. The communication between main screen and user's mobile screen will be done as remotely. In future developer can add multiple screens in this system.

REFERENCES

[1] Karrthik,R.S, Dept. of Electrical. Eng.,"Control of remote domestic system using DTMF." Instrumentation, Communications, Information Technology, and Biomedical Engineering (ICICI-BME), 2009 International Conference.
[2] Sharma,R.jaypee,University of Information Technology, "DTMF Based Remote Control System, "Electronics Technology, 2012 Industrial Technology, 2006. ICIT 2006. IEEE International Conference .
[3] Johnson, J. A,"Land use information release system based on Google Maps API and XML", Geoinformatics, 2010 18th International Conference
[4] Aleksandar, Pejic; Szilveszter ," An Expert System for Tourists Using Google Maps API", 2009 IEEE.
[5] Dr.Sudesh Kumar;Harpreet Kaur,"Location based system using google cloud messaging",National conference on innovative trends in computer science engineering on 4th April 2015.
[6] Prof. Seema Vanjire, Unmesh Kanchan."Location based services on smart phone through the Android Application", International Journal of advanced research in computer and communication engg.vol3, issue1, jan2014.