



**“DEPARTMENT OF COMPUTER SCIENCE &  
ENGINEERING/ INFORMATION TECHNOLOG”**

**FINAL PROJECT REPORT**

on

Project Title: **PUZZLE GAME USING C++**

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## 1.Summary :-

This program is a simple world puzzle game formed by using c++ Language and certain Datatypes. Basically, A puzzle of alphabets is shown on screen you have to guess a hidden correct word from the puzzle for each correct guessing you will get one score and winner will also get a prize.

## 2.Aim :-

Puzzle game sharpens the ability to find solution to problems . puzzle have clear goals to achieve.

When the little one plays a puzzle, he/she will learn that to solve a problem there are steps that must be taken to solve it.The little one will get used to solving problems with a creative mindset.

## 3.Benefits :-

### ❖ **HARDWARE AND SOFTWARE :-**

In hardware requirements we need:

- **Memory:** 4 GB
- **Graphics Card:** NVIDIA GeForce 510
- **CPU:** Intel Core 2 Duo E8400
- **File Size:** Unknown
- **OS:** Windows 10 64 Bit.

## ❖ SCREENSHOT OF OUTPUT :-

```
C:\Users\dd\Documents\Puzzle game project using c++ language\puzzle.exe

***** WORD SEARCHING PUZZLE GAME*****

A puzzle of words alphabets is shown on screen you have to guess a hidden correct
Word from the puzzle for each correct guessing you will get one score

*****!!puzzle!!*****

p h q g h u m e a y l n
l f d x f i r c v s c x
g g h w k f n q d u x w
f n f o z v s r t k j p
r e p g g x r p n r v y
s t m w c y s y y c q p
e v i k e f f m z n i m
k k a s v w s r e n z k
y c x f x t l s g y p s
f h t m l o e f x z b c
o e j u v p v a b o y g
p o e y l f p b n p l j

press 1 for direct guess input
press 2 for firstly see hint and then enter guess input
Enter input      :    1
Enter guessing word :      html
congratulation! you guess the right word in the puzzle
would you like to play again (y/n) :- n
vishal garg Your Score is    1
=====

*****!!THANK YOU!!*****

Process exited after 15.03 seconds with return value 0
Press any key to continue . . . _
```

## ❖ APPLICATION OF PROJECT :-

- *Puzzle game sharpens the spatial visual intelligence. Puzzle game sharpens memory.*
- *Puzzle game sharpens the Little One's fine motor skills. Puzzle games trains eye and hand coordination.*
- *Puzzle game sharpens the ability to find solutions to problems. Puzzle game trains social skills.*

## ❖ CONCLUSION :-

- *The motive of this project has been to model Sudoko.*
- *as a CSP and to evaluate the correlation between the symmetry and time required to solve the puzzle.*
- *As expected our experimental results indicate that Symmetry indeed does have an effect on the solution time.*
- *The reason asymmetric puzzle take substantially longer. Time to solve when compared to symmetric Puzzles is that, when modeled as a CSP there is more information available in symmetric puzzles which makes solving more efficient*

## ❖ REFERENCES :-

[https://www.academia.edu/32018795/LET\\_US\\_C\\_BY\\_Yeshwant\\_Kanetkar](https://www.academia.edu/32018795/LET_US_C_BY_Yeshwant_Kanetkar)

<https://educativesite.com/oop-c-e-balagurusamy-book-solution-download-latest-version/>

## **:: DECLARATION ::**

*I/we declare that this project entitled “puzzle game” done at itm, gwalior is a record of project work submitted by me/us for the partial fulfillment of the pbl work under the supervision and guidance of dr./mr./mrs. **Reena Chauhan.***

*The project is genuine and not a reproduction of any project previous done or submitted.*

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## **:: CERTIFICATE ::**

*This is to certify that this report of “**PUZZLE GAME**” embodies the original work done by (**Shraddha Sharma, Vishal Garg, Sumukh Sharma, Sumit Sahu**) during this project submission as a partial fulfillment of the requirement for the PBL work of Bachelor of Engineering III/V Semester, of the R.G.P.V., Bhopal.*

Supervisor / Guide

**Ms. Reena Chauhan**