

PDF - MOBILE PUBLICITY USING WIND VANE USING A VANE ON A MECHANISM WITH FOUR CARDINAL POINTS FOR THE USE OF WIND VANE TO SHOW WHICH WAY THE WIND IS BLOWING, ALSO TO PUBLICIZE SCULPTURE GARDEN - researchcub.info

## **PREFACE**

The main purpose of executing this project – The Wind Vane is to combine the scientific and Artistic approach in the construction/installation of the vane.

The Artists should not get confused for executing a weather instruments which the mythologists and Geographic's use in study weather wind.

The project is significantly designed in a modified way to perform beyond its normal function which is for the detection or wind direction such as sign post (campaign) for easy geographical locations within the I.M.T Campus 11. This will help the foreigners to locate certain places of great important within Campus 11.

However, the mythologists and the Cerographers use the wind vane for wind detection only, but now, the Artist is using it not only to study the wind direction, they use it as sign-post (campaign) and as bearing capes.

Perhaps, I am of the opinion and that this particular project may be modified further with a new approach by students of Fine and Applied Arts since the modern art embraces the scientific inventions and discoveries. In addition, write up is aimed at being a source of information for any person who may want to know the detailed idea or the project itself. It will be of immense help for the researchers and critical writers.

## TABLE OF CONTENT

### **CHAPTER ONE**

- 1.1 Introduction
- 1.2 History of wind vane
- 1.3 Statement of the problem
- 1.4 Aims and objective
- 1.5 Research scope
- 1.6 Delimitation
- 1.7 Limitation
- 1.8 Implication of the project
- 1.9 Definition of Terminologies

### **CHAPTER TWO:**

Literature Review

### **CHAPTER THREE:**

- 3.1 Project Execution
- 3.2 Medium / media Description
- 3.3 Application of the medium / media
- 3.4 Project Development

### **CHAPTER FOUR**

Project Analysis

### **CHAPTER FIVE**

- 5.1 Conclusion
- 5.2 Achievement and Recommendation

Bibliography

## CHAPTER ONE

The general term wind is air in motion. Its speed measured by an instrument known as an Anemometer. The direction of the wind is measured by a windvane or a wind Cock.

Wind vane is an instrument used for detecting the direction of the wind. It is functional where there is presence of the four cardinal points, east, west North and South. The wind vane consists of a pole, fixed frame works indicating the four cardinal points with the use of different sections in fine and Applied Arts also publicity campaign on it.

Wind vane usually erected in an exposed place free from tree and tall house / buildings. At the wind blows, the arrow or vane rotates freely and indicates the direction of the wind. The compass points are fixed and stationary. The arrow or vane points to the east, west north south depending on the direction of the prevailing wind.

### **THE SIGNIFICANCE OF INTRODUCING WIND VANE:**

It was invented in order to detect the wind direction so that one could easily have the knowledge when weather is changing to dry seasons. It is noted that the arrow in the wind vane points to the direction of the winds when the wind blows from south to west or north to East, there is a tendency that rainy or dry season is coming respectively.

#### **1.1 HISTORY OF WIND VANE**

Wind is air in motion. Its speed or velocity is measured by an instrument known as an anemometer. The direction of the wind is measured by a wind vane or a weathercock. The wind is not seen or felt especially when trees swing, dust particles move, and when curtain and flags move. Wind varies from a light breeze to a devastating hurricane, it has both direction and speed.

A wind vane consists of a horizontal-rotating arm pivoted on a vertical shaft, a pole, fixed framework indicating the four cardinal points.

It is functional where there is presence of the four cardinal points.

It is functional where there is presence of the four cardinal points: East, West, North and South. It is usually erected in an exposed place free from tree and tall house / buildings /. Functioning: - when the wind blows, the arm swings / rotates until the pointer faces the direction of wind at that particular time.

One may ask how wind vane came about. It is necessary for one to discuss about the origin of wind vane and brief history to back it up. It was reckoned that in 19th century, a great – scientist, Sir Isaac Newton, who was under serious study of motion paved way for him to arrive at point that everything that goes up must eventually come down on the earth surface. He therefore propounded the gravitational law. The law according to Newton states that every object that goes up must be pulled down by a force. One may also ask why law of gravity first rather than dwelling in the wind – vane origin.

Perhaps, 4241 B. C during the early Egyptian, they managed to come out with the first calendar on earth, and is the first event in the history of the world that can be giving a definite method of days and seasons, that is the rainy or dry season.

The Egyptians thought that it takes the earth 365 days to complete one revolution of the earth round the sun, and after it is finished the season begins all over again. Thoughts they were unable to detect the specific date by which a season begins.

After all series of scientific discoveries and studies, it was observed that warm air is denser than cool air in the atmosphere. When air in the atmosphere becomes as a result of gravitational force hot, it will sink

down while the cold air will rise up in to the atmosphere thereby causing air to

There is serious study about the weather which Sir Stephenson were the great intellectuals. Sir Stephenson Later invented the wind vane in order to the knowledge when weather is changing from dry to rainy seasons. It is noted that the arrow in the wind vane points to direction of the wind.

## **1.2 STATEMENTS OF PROBLEM**

The Artists should not get confuse for executing a weather instrument which the Metrologiests and Geographists use in study of weather.

The project is significantly designed in a modified way to perform beyond its normal functions. And at the same time, to publics the FAA / sculpture garden.

I am of the opinion that this particular project may be modified further with a new approach by the students of fine and Applied Arts the modern art embraces the scientific inventions and discoveries.

## **1.3 AIMS AND OBJECTIVES**

The main aims and objective is to detect the wind direction so that one could easily have the knowledge when weather is changing from dry or Harmathan to rainy seasons. It is noted that the arrow in the wind vane points to the direction of the wind, when the wind blow from south – west or North – East, there is a tendency that rainy or dry season is approaching.

This work is further aimed at serving as a guide to other students that may want to writer or research on related topic.

It help to educate the masses.

## **1.4 RESEARCH SCOPE**

This project is designed to detect the wind direction so that one could easily have the knowledge when weather is changing from one direction to another season.

It is also a publicity campaign which publics / gives information or action intended to attract the public to someone or something.

## **1.7 IMPLICATION OF THE PROJECT**

This project work is produced to show the need of art in the world. Previously, people look down on arts in general, in recent time, the interest or love art has reached the peek so much that even the Layman now wants at least one art work in the house. With wind discovery, invention of various type are being made by the artists so that the customers would have one in the compound. This project work which in kind of a new introduction will create a sensation.

## **1.8 DEFINITION OF TERMINOLOGIES**

- 1) Gravity: It is the force, which makes fall when you drop them.
- 2) Detect if you detect something, you notice it or find it.
- 3) Anemometer: This is an instrument used for measuring speed or velocity of wind.
- 4) Arrow: It is a long thin weapon with a sharp point at one end, which is shot from a how.
- 5) Horizontal: some thing that is horizontal is flat and level with the ground, rather than at an angle to it.
- 6) Hurricane: A hurricane is very violent wind or storm.
- 7) Publicity: It is advertising, information, or action in tended to attract the public's attention to something.
- 8) Shaft: A shaft is vertical passage, for example in a mine or a place where a lift goes up two ropes

or chains from metal frame or tree.

- 9) Swing: A swing is a seat hanging by two ropes or chains from metal frame or tree.
- 10) Vane: A vane is flat blade, for example on a propeller, which is part of drive a machine.
- 11) Velocity: velocity is the speed at which something moves in a particular direction.
- 12) Weather vane: It is the metal object on the roof of a building which turns round in the wind and shows which way the wind is blowing.
- 13) Wind: It is a current of air moving across the earth's

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