

# VISHWAKARMA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ENGINEERING SCIENCES AND HUMANITIES

<b>PSAP PROJECT BATCH No:-2</b>	<b>PSAP PROJECT GROUP No:-I6</b>	<b>ACADEMIC YEAR 2022- 23</b>	<b>SEMESTER-1</b>
TITLE OF PROJECT	Employee Information Management System		
DOMAIN	PSAP		
TOOLS	VS Code		
TECHNOLOGY	Programming in C		
NAME OF GUIDE	Amruta Bhawartha	Roll Numbers:-30,31,32,33,34,35	

## SYNOPSIS

### IMPORTANCE OF THE DECIDED PROJECT (2/3 LINES):-

According to Wikipedia,” An energy crisis is any significant bottleneck in the supply of resources to an economy. In literature, it often refers to one of the energy sources used at a certain time and place in particular those that supply national electricity grids or those used as fuel in industrial development and population growth has led to a surge in the global demand for energy in recent years.”

The train to windmill will work to create electricity from wind energy. The windmill will be attached on both the sides on top front of the train. The same will be replicated on each of the carriages. As the train starts moving due to air resistance the blades of the fan will start rotating. The fan is connected to a generator. The generator produces electricity which is then stored in the batteries in the last carriage. The last carriage of the train will only be used for storing the electricity. At the last station the last carriage will be detached and a similar carriage will be attached to the train . Then the process will repeat.

### STEPS TO DO THE PROJECT/ METHODOLOGY (7/8 LINES):-

1. Understanding and acquiring knowledge of the required tools and technology will be done to utilize them to their maximum potential.
2. All the ideas will first be put together and a brainstorming will be done on them.
3. Then the designs will be made of the windmill according to the ideas.
4. Then the designs will be uploaded on the TinkerCad software which is used to view the 3d model of the windmill and its working.
5. The adjustments will be made if required.
6. Then the raw materials for the windmill will then be collected as per requirement.
7. We will then learn different ways to build the most optimised form of circuit for the windmill setup.
8. Then the parts will be put together in the manner decided by the team.
9. Then final testing on the prototype will be done

### TENTATIVE EXPECTED RESULTS FROM THE PROJECT (2/3 LINES):-

The detached carriage will then be discharged and this electricity can be used for different purposes like:

1. Charging Electric vehicles
2. Home Appliances, etc.