

WELCOME

ZEAL COLLEGE OF ENGINEERING & RESEARCH
NARHE, PUNE – 411041

DEPARTMENT OF ELECTRICAL ENGINEERING

PROJECT PRESENTATION ON
“WINDS POWER DESIGN AND MANTAINCE”

Presented by,
Mr.Abhishek Jadhav(T411060)

Guided by,
Prof.R.J.Patil



ABSTRACT

- ▶ Wind energy, which is produced by wind power, refers to the process of creating electricity using the wind, or air flows that occur naturally in the earth's atmosphere. Modern wind turbines are used to capture kinetic energy from the wind and generate electricity.

INTRODUCTION

- A wind turbine is a rotating machine which converts the kinetic energy of wind into mechanical energy.
- If the mechanical energy is used directly by machinery, such as a pump or grinding stones, the machine is usually called a windmill. If the mechanical energy is instead converted to electricity, the machine is called a wind generator, wind turbine, wind power unit (WPU), wind energy converter (WEC), or aerogenerator.

PROBLEM STATEMENT

- What are the factors to consider the while designing wind power turbine and it's maintance factor.

OBJECTIVE

- ▶ We are able to find out the site selection criteria for wind turbine with effective cost and we are able to design wind turbine power plant.

LITERATURE REVIEW

Sr.NO	NAME OF PAPER/THESIS	POINTS TAKEN
1	'Wind trubine lightning protection of blades,electronics and human' (B.Glushakow and H.Qin)	Protection of wind turbine
2	'Wind power turbine design,selection,and optimization' (Victor Lyatkher)	Optimization and designing of Wind power turbine
3		

THANK YOU...