KARNATAK LAW SOCIETY'S
GOGTE INSTITUTE OF TECHNOLOGY
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Project report
on

"CROSSWIND KITE POWER GENERATION"

(Sponsored by Karnataka State Council for Science and Technology)

Submitted in partial fulfillment of the requirement for the award of the
Degree of **Bachelor of Engineering** in
ELECTRICAL & ELECTRONICS ENGINEERING

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ABSTRACT

With increasing demand of electricity, the power engineers are forced to search alternate ways of generating electricity. Also with the global restrictions on carbon emission, power engineers are forced to develop necessary technology so that renewable energy sources can be best made use of to generate electricity.

Wind energy is an important source of potential power that has not yet been fully exploited. Wind generally gets stronger and persistent with increasing altitudes. However this high wind is inaccessible to our conventional wind turbines of MW range and altitudes not exceeding more than 200m due to structural limitations. One of the solutions to this problem is kite power generation and necessary controller which can control reel in phase and reel out phase of kite. Key idea here is to investigate optimal means for flying kite so as to produce maximum power for purpose of generating electricity.