

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELGAUM-14



SDM COLLEGE OF ENGINEERING & TECHNOLOGY

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A PROJECT REPORT ON

**GENERATION OF POWER USING DIFFERENT
NATURAL RESOURCES AND ITS
APPLICATIONS USING MICROCONTROLLER**

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2009-10

II ABSTRACT

Now a days, conventional methods like hydro power, wind energy, thermal energy usage has been the most common natural resources for power generation. But, the current trend demands not only the use of conventional natural resources, but also the use of non-conventional energy resources for power generation. Such a resource may be in the form of foot pressure, air velocity & road speed breakers.

Generally, when a person walks, pressure will be generated. To convert this form of energy, a special electromechanical arrangement is made, which transfers angular motion to circular motion. This arrangement is given to the dynamo that generates voltage, which is further conditioned & given to a charging unit, which in turn charges the mobile battery. The generated charge can also be used to activate the display system in real time applications. Hence, this saves a lot of power and thus avoids the wastage of energy.