

Siddaganga Institute of Technology
(An Autonomous Institution affiliated to Visvesvaraya Technological University, Belagavi) B.H. Road, Tumakuru-572 103, Karnataka.

PRACTICAL EXAMINATION	B.E./B.Arch./M.C.A. /M.	B.A./ M.Tech.
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Course / Branch: MECHANICAL ENGINEERING 1 S I 1 8 M E 0 4 7

UNIVERSITY SEAT NUMBER

Subject MINI PROJECT VIVE Subject Code: 6 ME P 1

Total number of supplements 1 +

Date: 17082021 DDMMYYYY

Lawrens

External Examiner

Entries to be made by the Examiners

SCHEME OF AWARDING MARKS

Practical Examination

	Max. Marks	Marks Obtained
a. Procedure & write up	10	
o. Conducting the practicals	20	
. Analysis of Experimental results & Presentation	10	
I. Oral or Viva-Voce	10	
	Total Marks Obtained	

TOTAL MARKS AWARDED IN WORDS:

Name

Signature with Date : _____

Internal Examiner

Abstract the Title:

The Idea behind making this project, "Prototype of Mechanical Footstep Power Grenerator" is to build a model which can successfully generate clean energy, without causing any harm to the environment & in this way, neducing the global warming levels (little) & our depend-

-ancy on non-runewable cowners of energy.

Proposal For the utilization of waste energy of toot power with human locamotion is very much relevant & important for highly populated countries like ours Undia) swhere mobility of its masses will turn into boon, in generating electricity from its footsteps.

The basic principle of own model is that, we 1st step on the upper plate of the model, which is attached to four individual springs, four cylindrical tods & two tracks. Thus, when the force is applied on the upper plate. The plate & it's attached parts move in the down word direction, & the racks connected to their pinions (respective) a starts notating, which simultaneously notates the compound gear & then, in turn rotates the smaller gear which is connected to the output shaft of the generator which produces electricity. The assembly is supported by two supporting walls & a base plate to maintain stability.

we have used mild-steel of thinkness 5mm

for frame. On applying a load (masamum) of 640N. on plate, we will be able to generate 5-4 watts. Eauran