

# Microcontroller Based Performance Study Platform For Two Stage Mechanical Oscillator

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## Abstract:

In the present day scenario, we are devoid of the energy which is becoming scarce day by day. To manifest such energy at a rapid rate resulting in over unity is so fortunate. Our project is such an attempt which tested the ongoing research on the over unity power generation based on the experiments of renown Serbian inventor Veljko Milkovic and we intend to specify about how the prototype developed in such a manner would throw light into very interesting scientific investigations carried upon invisible energies existing around us.

Our project demonstrates how leveraged secondary oscillations evince around multiplied energy as output from the taken input energy supplied to the basic pendulum. Moreover the essence of this project lies in employing the pulsed circuit which is aided by 8051 MCU to co-ordinate with the perpetual oscillations in a vital way. It conveys the importance and possibility to manifest the minimal power supplied which is almost negligible. It is a electronic project that operates using the pulsed simulation for the solace of mankind.

## 1.Introduction:

From the onset of undertaking the task we had an energy to deal with the free vitality collecting so we will have the capacity for helping a ton for humanity by virtue of its prosperity. Utilizing our center space subject execution, we wanted to do, yet it moreover obliged the mechanical support which we furthermore worked without any retrospection.

At that point, examining the inventive tests completed by Veljomilkovic on free vitality we proposed to make a slight advancement in excess of one of his analyses specifically TWO STAGE MECHANICAL OSCILLATOR. After a far reaching mixture of survey on his licenses and duties in the region of Energies Technologies, we got induced to go with an improved model of it giving the information from the best circuit using both the intelligences of mechanics and fittings.

Other than our Project demonstrates the astoundingly fundamental playing purpose of sparing the imperativeness and using only 2watts of information which is even not sufficient to make a light to shimmer. We went across over distinctive works taking a gander at the prepostulated trials on it besides came to consider their upsides and drawbacks.

The issue lies in giving the outer drive physically every time to abstain from hosing on account of two stage mechanical oscillator which is as of now created by the aforementioned Serbian innovator who has 29 conceded licenses.

It utilizes an enormous measure of work, therefore squandering our vitality, keeping in mind the end goal to show the free vitality. So we created electronic help through the utilization of 8051 MCU alongside going hand in hand with circuits which will depict in the accompanying areas to beat the issue.

The principle target of our task is to demonstrate that free vitality can be created from an invigorating moment measure of vitality to deliver the ceaseless motions through which we create more prominent vitality which thusly is utilized to lift the weight utilizing just 2w of force. It likewise hoists the confirmation of fulfilling the conditions to demonstrate the over solidarity work which numerous opine incomprehensible utilizing ascertained maximal proficiency remainders of the machine.

## 2.Writing Survey:

This machine does not misuse any laws of physical science. It does use the laws of material science, simply coupled in another way. Anyone that fabricates this machine and it doesn't put out more than what is set in. They simply need to study their diagram to find the imperfections. It makes no imperativeness. It changes potential essentialness to engine imperativeness.

VeljkoMilkovic 2 Stage Oscillator obeys the third Law of Motion Newton's Laws of Motion communicates that there is an identical and reverse reaction.

It is normally accepted to be a “laws” as all “law’s” of material science and also nature are accepted to be phenomenal. . Law of material science, nature, and so on, therebasically conclusions focused around what appears to hold valid up to that point and is additionally focused around restrictive parameters. Thusly, goes outside of those parameters and these implied laws of physical science no all the more apply.

It really is as straightforward as this. The main law licenses interminable movement. Fundamentally, it doesn’t oblige that something needs to follow up on something in movement. If a ball is moved from a shuttle and it doesn’t correspond with anything for billions of years until the end of time, it will be in constant development not dismissing any “laws” of physical science. This law simply says something will stray IF and simply IF something catches up on it however does not oblige that something must catch up on it.

The third law state, there is a proportionate and converse reaction yet this is False. There is doesn’t have obliges to respond to restrict development as its conceivable to get a response that add further forward development, expanding effectiveness and COP’s (coefficients of executions).

The following is one istwo basic approaches to resist as well as completely make some comedy on the third law of movement. Just if a framework its short and that two are finishes are smashed jointly will there be a contradicting energy.

The fact of the matter is that equivalent and inverse response helps the pendulum move in the other bearing that causes proceeded with movement of the mallet to climb and down. For each one full swing in one course and again to where it was, you get two full mallet smacks for each one full swing of the pen it takes almost no force to keep the pendulum swinging yet you get a colossal measure of work at the blacksmith’s iron side! This is an open framework and all the work important to put into the framework is a smidgen of fly power to keep the pendulum swinging, which is practically nothing. Then again, the work of the mallet on the iron block is around twelve times more than the info to the pendulum. It is interested in nature’s domain using gravity to help control the framework, swinging energy helped by gravity and other outside powers.

### 3. Proposed System:

New and in fact unique, thought -Pulsated second stage mechanical oscillator with a weight and one pendulum - gives easing to do work, on the grounds

that it’s sufficient to swing the pendulum every so often by using little finger to lift up the weight, rather than huge exertion.

Just with a slight draw of the pendulum to begin the motions that will be proceeded with ceaselessly because of the transfer, IR sensors and Microcontroller all units which joined empowers productive application in generating power by swing the pendulum.

Beat two stage mechanical oscillator with a pendulum is an acknowledgment of another, unique, and even mind boggling, by exceptionally basic answer for generating power.

Work is lightened on the grounds that less demanding, enduring and smooth utilization of the overwhelming by swinging the pendulum by that the rod will move up and down by that we can generate power on the other end of the rod.

### Software Requirement Specifications:

There is a hugely need to depend upon Embedded C with a specific end goal to understand the programming part that screens number of motions. Despite the fact that the utilization of programming is relatively less when contrasted and equipment it assumes an indispensable part to overcome.

The product utilized accurately by using the Keil software to write code in that. While coming to that we use flash magic software for dumping the code in the controller.

### User Requirement:

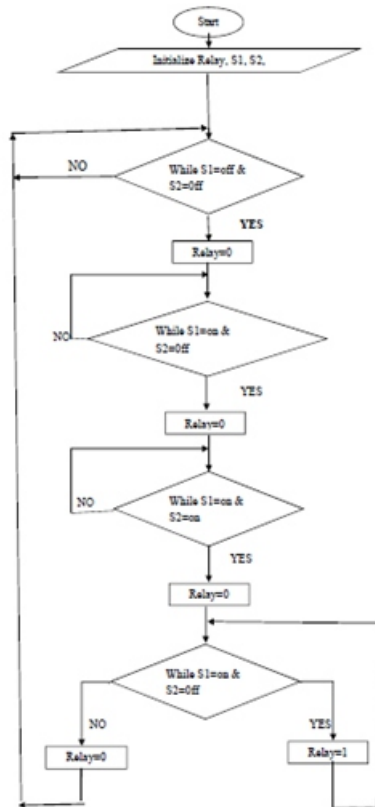
Keeping in mind the end goal to charge the complete venture, we require both the incorporated working of hardware & programming and additionally mechanical supplies.

At that point the execution supports well to obtain the proposed framework guidelines. The different divisions utilized can be extensively delegated programming and equipment necessities grasping the cooperating supplies of gadgets and mechanical plan as fittings.

### Hardware Requirement:

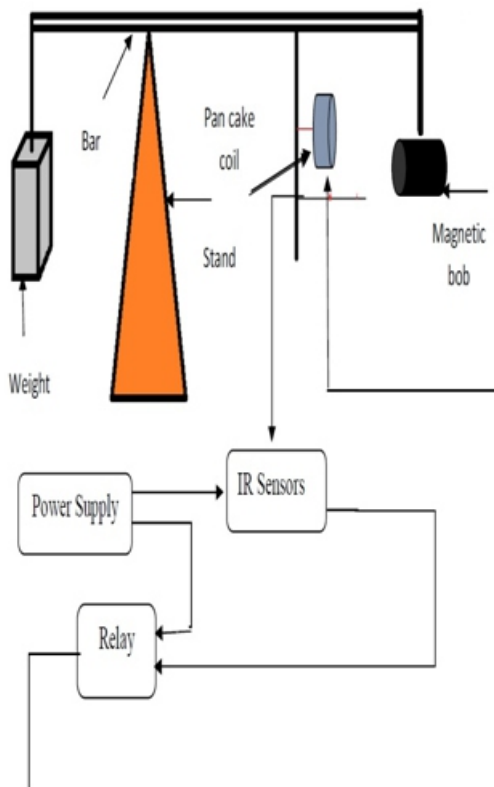
While coming to the hardware part here we are using a huge materials those are relay switches, IR Sensors, relays, Tesla coil, DC charging circuitry unit, magnetic bob.

**Flow Chart:**



**S1=Sensor1,S2=Sensor2**

**Block Diagram:**



**4.Results:**

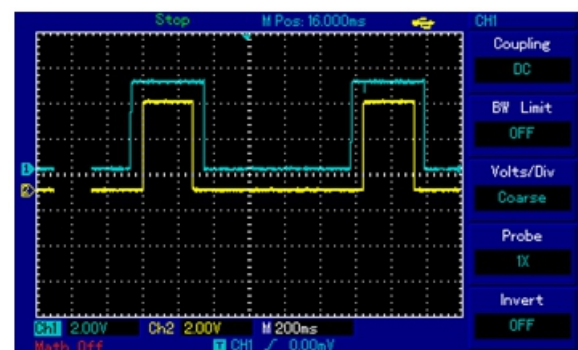
So, number of oscillations made by the pendulum per minute	=54
Total number of oscillations made by the pendulum per hour	=60*54 =3240
Time taken for one complete oscillation of IR sensor	=10usec
Time for which the IR Sensor glows in an hour	=3240*20 msec =64.8 sec
Time for which IR Sensor exactly glows	=64.8 sec*2 =129.6 sec
We are using two sensors. So	=129.6 sec*2 =259.2 sec
Voltage supply	=330V
Resistance	=2.6 Kohms
Current	=330V/2.6 Kohms =126 milli amperes
Now, Power	=(P*I)*R =(0.126*0.126)*2.6Kohms =41.87 Watts

Here in this paper we included the waveform taken from the reaction of the two sensors which can be demonstrated underneath furthermore we demonstrate reality table for as of now have waveforms.

In that states and condition there we tell obviously how that two stage mechanical oscillator will lives up to expectations.

At whatever point hand-off will on that time that hand-off gets power supply and it repulses the pendulum from coil.so it will causes nonstop process until it will never stops.based upon expected waveforms we composed code.

**Expected waveforms:**



**Truth Table :**

Sensor1	Sensor2	Relay(ON/OFF)
OFF	OFF	OFF
ON	OFF	OFF
ON	ON	OFF
ON	OFF	ON
OFF	OFF	OFF

**5. Conclusion:**

Our Paper managed the sign of over solidarity on entire and it stresses the vitality of channelizing the accessible assets around us. This paper incites the hoisting personality set it in every person to be consider bottomless innovation which it can be termed as free vitality engineering. Likewise it will works with a solid speak to the field of Mechanics and Electronics as it portrayed basically comboon these both.

It gets feedback on numerous academicians & exploration researchers as its disregards the Newton hypothesize on the "Non-presence of increasing framework".

It is legitimate in nature with all its comes about which are very obvious as effectively said. In this manner it incorporates the imperative specialized inclination that it has to make us it bring this out.

A fine improvement that it can be made over to this paper it to be sustain the yield work which is required as present and bolstered back towards information. At that point the framework would run all alone yield and makes the framework, a shut circle and self-energized. As learning is a ceaseless procedure we trust that our experimentation would likewise be indistinguishable.