

<p><b>7.1.2</b></p> <p><b>QnM</b></p>	<p><i>The Institution has facilities for alternate sources of energy and energy conservation measures</i></p> <ol style="list-style-type: none"><li>1. Solar energy</li><li>2. Biogas plant</li><li>3. Wheeling to the Grid</li><li>4. Sensor-based energy conservation</li><li>5. Use of LED bulbs/ power efficient equipment</li></ol> <p><b>Options:</b></p> <ol style="list-style-type: none"><li>A. 4 or All of the above</li><li>B. Any 3 of the above</li><li>C. Any 2 of the above</li><li>D. Any 1 of the above</li><li>E. None of the above</li></ol> <p><b>Upload:</b></p> <ul style="list-style-type: none"><li>• Geo tagged Photographs</li><li>• Any other relevant information</li></ul> <p><b>(Note: Data template is not applicable to this metric)</b></p>
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# 1) Solar energy

## VIDNYAN MAHAVIDYALAYA, SANGOLA.

Grid connected SOLAR rooftop PV system of capacity  
**15 KWp - 3 Phase**  
**(TATA Power Solar)**

<b>Solar PV Module:</b>	Tata Power Solar Multi Crystalline Solar PV module 320 (72 cells)		<b>Frame:</b>	Anodized Aluminum Frame with EWRN wall profile.
Peak Power Pmax	255 Wp		<b>Mechanical load test:</b>	54.00 Pa
Max Voltage Vmp	30.8 V		<b>Maximum series fuse rating:</b>	15 A
Max Current Imp	8.33 A			
Open circuit voltage Voc	37.8 V	<b>Solar Inverter:</b>	On grid interactive solar inverter transformer less with DC to AC ratio 1:1	
Short circuit current Isc	8.88 A	<b>Warranty:</b>	25 years of performance warranty	
Module efficiency	15.7 %	<b>Price:</b>	Rs. 9,15,500/-	
<b>Mechanical Data:</b>		<b>Distributor:</b>	Tata Marketing, 685 Chali Galli, Solapur - 413002, Tel:-(0217) 2524986, Mobile no. 9570420153	
Length X width X height	1640 X 992 X 40 mm (64.57 X 39.05 X 1.57 inch)			
Weight	18.50 kg			
Cells No.	60 polycrystalline solar cells			


GPS Map Camera



### Sangola, Maharashtra, India

Vasud Road, Kadlas Naka, Sangola, Maharashtra 413307, India

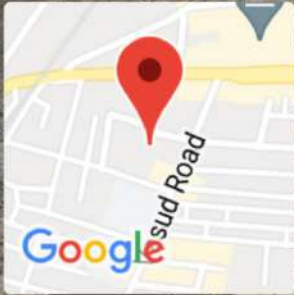
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Long 75.187469°

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GPS Map Camera



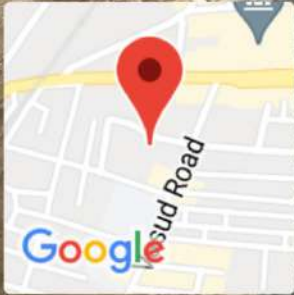
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Vasud Road, Kadlas Naka, Sangola, Maharashtra 413307, India

Lat 17.432526°

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## Sangola, Maharashtra, India

Vasud Road, Kadlas Naka, Sangola, Maharashtra 413307, India

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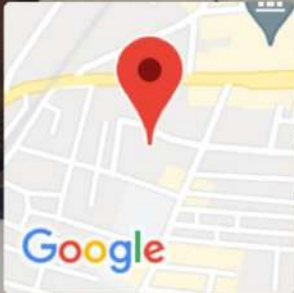
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07/12/21 08:51 AM





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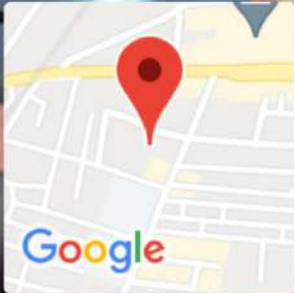
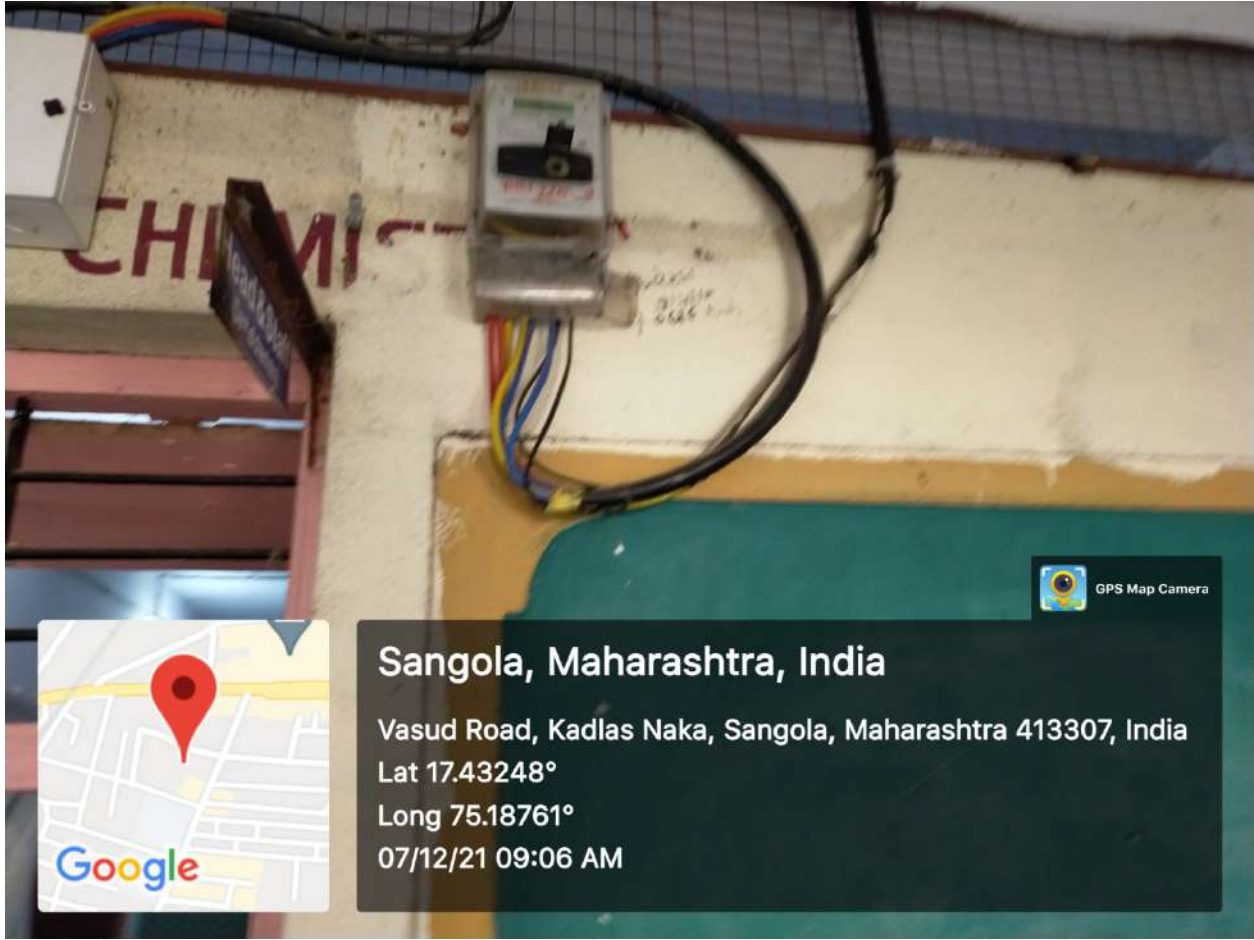
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Vasud Road, Kadlas Naka, Sangola, Maharashtra 413307, India

Lat 17.432607°

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07/12/21 08:56 AM



**Sangola, Maharashtra, India**

Vasud Road, Kadlas Naka, Sangola, Maharashtra 413307, India

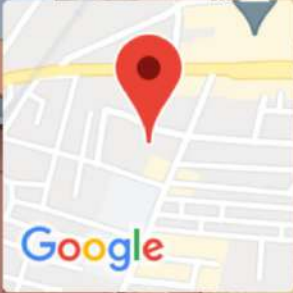
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07/12/21 09:06 AM







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Vasud Road, Kadlas Naka, Sangola, Maharashtra 413307, India

Lat 17.43248°

Long 75.18761°

07/12/21 09:06 AM



## 2) Sensor-based energy conservation

In college campus and in laboratory we are using some sensor based equipments.

### ➤ College Bell





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**Sangola, Maharashtra, India**

Vasud Road, Kadlas Naka, Sangola, Maharashtra 413307, India  
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07/12/21 12:18 PM



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Vasud Road, Kadlas Naka, Sangola, Maharashtra 413307, India

Lat 17.43281°

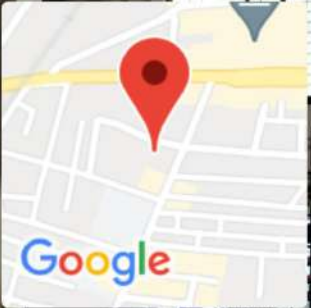
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### 3) Use of LED bulbs/ power efficient equipment





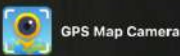
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Vasud Road, Kadlas Naka, Sangola, Maharashtra 413307, India

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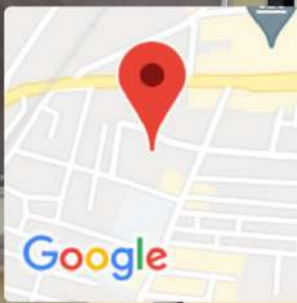
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07/12/21 09:05 AM



VIDYAN MAHAVIDYALAYA, SANGOLA  
Department of Computer Science  
**General Instructions**

Always be UNIFORM and being HONEST when you enter the Laboratory.  
All users should record the use of computers in the computer lab register.  
Please Keep your mobile in Silent mode.  
Do not try to repair equipment yourself. You should report this to the lab supervisor.  
Please Keep the lab neat, clean up any messes, and have equipment and furniture properly arranged.  
Programs (e.g. Spreadsheets) may NOT be downloaded and installed to the Internet.  
Use the Internet properly-only approved sites.  
Users are not allowed on the open access lab when they have lectures, not sit or drink on the Computer lab.  
Keep away all of your garbage when you leave.  
You are the last person to leave the room then Please turn off the lights.  
You will be asked to delete the lab if of the computer when you are done.  
Always can be connected or disconnected from lab, with the use of USB drives.  
Computer games is Prohibited.  
Please polite, and show respect to other student's and staff.



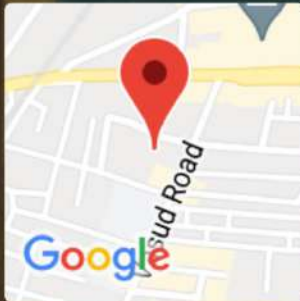
**Sangola, Maharashtra, India**  
Vasud Road, Kadlas Naka, Sangola, Maharashtra 413307, India  
Lat 17.432565°  
Long 75.187419°  
07/12/21 08:47 AM

BLOCK NO-11, 12



\* Viscosity by Rotating Cylinder method →

$$\eta = \frac{(\tau - \tau')}{(\lambda - \lambda')} \cdot \frac{1}{4\pi h \lambda} \cdot \left( \frac{R_2^2 - R_1^2}{R_1^2 R_2^2} \right)$$



**Sangola, Maharashtra, India**

Vasud Road, Kadlas Naka, Sangola, Maharashtra 413307, India

Lat 17.432501°

Long 75.18764°

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GPS Map Camera



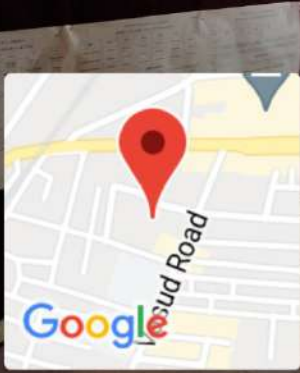
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Vasud Road, Kadlas Naka, Sangola, Maharashtra 413307, India

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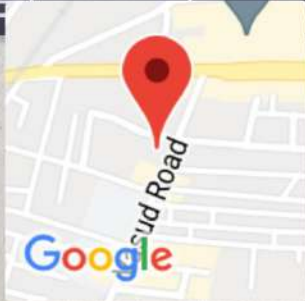
Long 75.187537°

07/12/21 08:45 AM



S. T. S. S.P. MANDAL'S  
**VIDNYAN MAHAVIDYALAYA, SANGOLA**  
Department of Physics  
**SI Prefixes**

Factor	Prefix	Symbol	Factor	Prefix	Symbol
$10^{24}$	yotta	Y	$10^{-1}$	deci	d
$10^{21}$	Zetta	Z	$10^{-2}$	centi	c
$10^{18}$	exa	E	$10^{-3}$	mili	m
$10^{15}$	peta	P	$10^{-6}$	micro	u
$10^{12}$	tera	T	$10^{-9}$	nano	n
$10^9$	giga	G	$10^{-12}$	pico	p
$10^6$	mega	M	$10^{-15}$	femto	f
$10^3$	kilo	K	$10^{-18}$	atto	a
$10^2$	hecto	H	$10^{-21}$	zepto	z
$10^1$	deka	da	$10^{-24}$	yocto	y



### Sangola, Maharashtra, India

Vasud Road, Kadlas Naka, Sangola, Maharashtra 413307, India

Lat 17.432462°

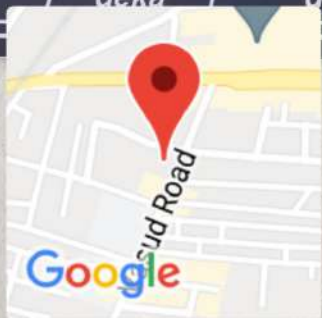
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07/12/21 08:44 AM



S. T. S. S.P. MANDAL'S  
**VIDNYAN MAHAVIDYALAYA, SANGOLA**  
 Department of Physics  
**SI Prefixes**

Factor	Prefix	Symbol	Factor	Prefix	Symbol
$10^{24}$	yotta	Y	$10^{-1}$	deci	d
$10^{21}$	Zetta	Z	$10^{-2}$	centi	c
$10^{18}$	exa	E	$10^{-3}$	mili	m
$10^{15}$	peta	P	$10^{-6}$	micro	u
$10^{12}$	tera	T	$10^{-9}$	nano	n
$10^9$	giga	G	$10^{-12}$	pico	p
$10^6$	mega	M	$10^{-15}$	femto	f
$10^3$	kilo	K	$10^{-18}$	atto	a
$10^2$	hecto	H	$10^{-21}$	zepto	z
$10^1$	deka	da	$10^{-24}$	yocto	y



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B.Sc. I Practicals

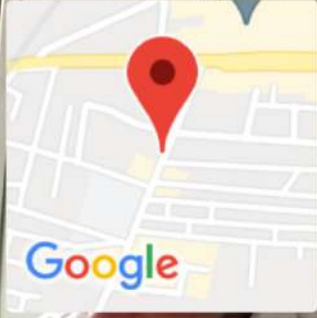
1) Torsional Pendulum

Rubber Tube

Angle of Prism)

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DSS - 9422652388

of Inverse Squa  
law



**Sangola, Maharashtra, India**  
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