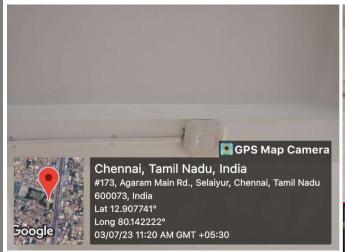
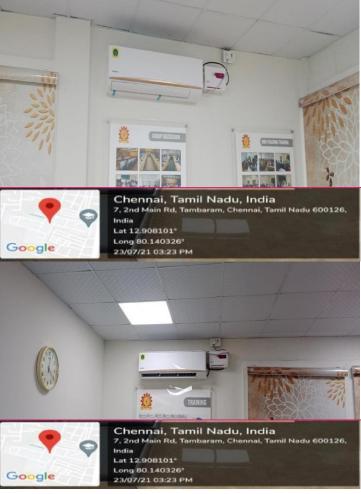
#### 4) SENSOR-BASED ENERGY CONSERVATION

Wireless Sensor based systems have been deployed in BIHER, for various applications such as monitoring, maintenance, security etc. The use of wireless sensor technology for energy conservation, in which the sensor is deployed to sense and monitor the environmental conditions and take decisions based on the inputs from the various sensors.

The BIHER has installed several sensor-based lighting systems and Smart Sensor based Energy-Efficient 5-star ACs & LEDs.In this system the lights will automatically turn on when Sun Light goes away and turns off when sun light comes in. The class rooms are sensor-based auto temperature control. By this process BIHER saves energy. Dark areas of BIHER are lit using Automatic Human Sensor Switches, which avoids unwanted usage of electricity.



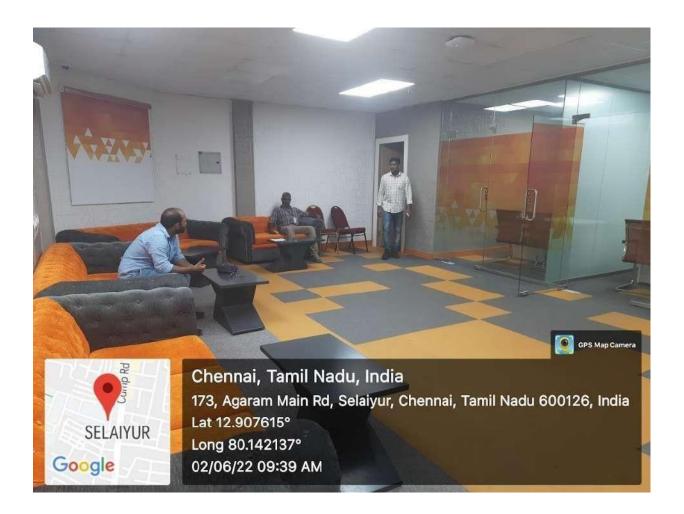


Wi-Fi Sensor based automatic lighting system installed in the BIHER campuses

#### 5) USE OF LED BULBS/POWER EFFICIENT EQUIPMENT

Use of LED bulbs/ power efficient equipment of BIHER has 33/11KV Sub-Station within the campus premises and was able to convert the existing HPSV/HPMH outdoor light fittings into LED outdoor lightings.

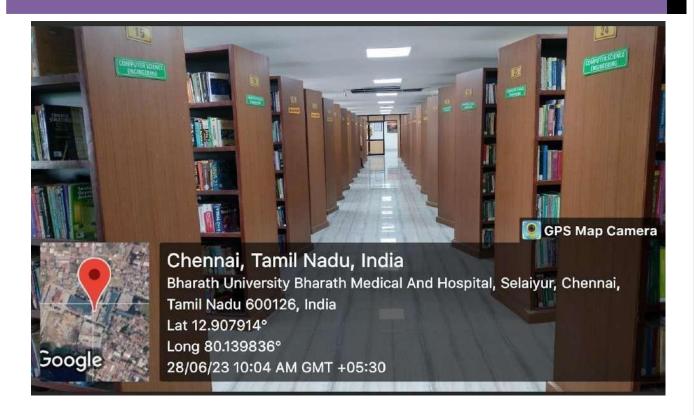
The BIHER is very much responsible for energy saving and green environment. The University installed LED lights in maximum Counselling office rooms, Laboratories and Library. The university is in progress of 100% LED lighting system. Avoiding CFL and other Lights University avoids emission of poisonous gas. Maximum small Street lights are LED based and also sensor based.



**LED Lights in the Counselling Offices** 







**LED Lights in the Central Library** 

# **2.Bills of Purchase (LED Tube lights)**

# Tax Invoice

HREE ENGINEERING	Invoice No		Dated			
1 Shagun Building , Next To Lekha Farm	SE-22-23/41			10-Jan-23		
atraj Dehuraod Bypass, Kiwale	Delivery Note		Mode	Mode/Terms of Payment		
SSTIN/UIN: 27AJIPV6767A1ZT Siate Name: Maharashtra, Code : 27				Immidiate		
Contact: 9619913330,9619913330	Reference	No. & Date.	Other	Other References		
-Mail: rikhil.vedhe@gmail.com	Buyer's Or	der No.	Dated			
Cinsingee (ship to)	422			11-Nov-22		
Sree Balaji medical college & Hospitals No7 worrks Road		Dispatch Doc No.		Delivery Note Date		
Chrompet, Chennal-600044			Destination COP			
State Name : Tamil Nadu	Dispatched through Bli Hand					Destin
Pant No 27AAA TA 1675PIZD						COP
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Si Description of Goods					3	
Vo.	HSN/SAC	Quantity	Rate	per	Amount	
1 LED 20W Tube Light	-		/		50 J. 10 C HOWARD S. S.	
2 Celling Fan	8414	69 nos	295.00	nos	20,355.0	
1200mm Cromton 3 Fan Capacitor	07,17	4 nos	2,150.00	nos	8,600.0	
4 Surface Box	993736	6 nos	30.00	nos	400-	
6 M Roma	9961	2 nos	259.00		180.00 518.00	
5 Surface Box	9961	3	by minor		310.0	
12M Roma 6 Switch	0001	3 nos	435.00	nos	1,305.0	
6A Roma	8536	(22 nos	80.00	поѕ	4 700 0	
7 Socket	8536	and the same	Maria Caracana	11.55	1,760.0	
6A Roma 8 Switch	0336	( 17 nos	( 145.00	nos	2,465.00	
16ARoma	8536	(4 nos	180.00			
9 Socket		141103	100.00	nos	720.00	
16A Roma	8536	4 nos	200.00	nos	800.00	
10 Ex . Fan 9° Cromton		- Comment	Townson		000.00	
11 Fan Regulator		2 nos	<b>\\1.670.00</b>	nos	3,340.00	
gainto	8533	2 nos	450.00	nos	900.00	
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	ee Balaji medical college & Hospitals, No7 worrks Road	1 34	13 Talk	经常的		)		
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SI	Description of	THSN/SAC	Quantity	Rate	per	Amount		
No.	Goods and Services			_				
		998745	6 nos	1710.CC	поѕ	4,260.00		
1	LED Bulb	996745	105	11.0.0		A superintered proper window serve		
	30W Syska W W	8544	(30 Mir	130.90	Mtr	3,927.00		
2	Polycabe Cable In MTR	0544	100	\	4			
	2.5Sq.mm 3 Core		26 nos	30.00	nos	780.00		
3	Fasnor		120.00	\				
	8mm	8544	(35 Mtr	61.50	Mtr	2,152.50		
4	Polycabe Cable In MTR	100,	1			other me a wife and		
- 1	1.5Sqmm 2 Core		11 nos	590.00	nos	590.00		
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6	Ex . Fan	119	(1 nos	2,710.00	nos	2,710.00		
U	200mm Cromton	f F v	1					
7	Moter Cover	8 7 1	nos.	430.00	nos	460.00		
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8	Labour Charges		1 nos	981.00	nos	981.00		
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