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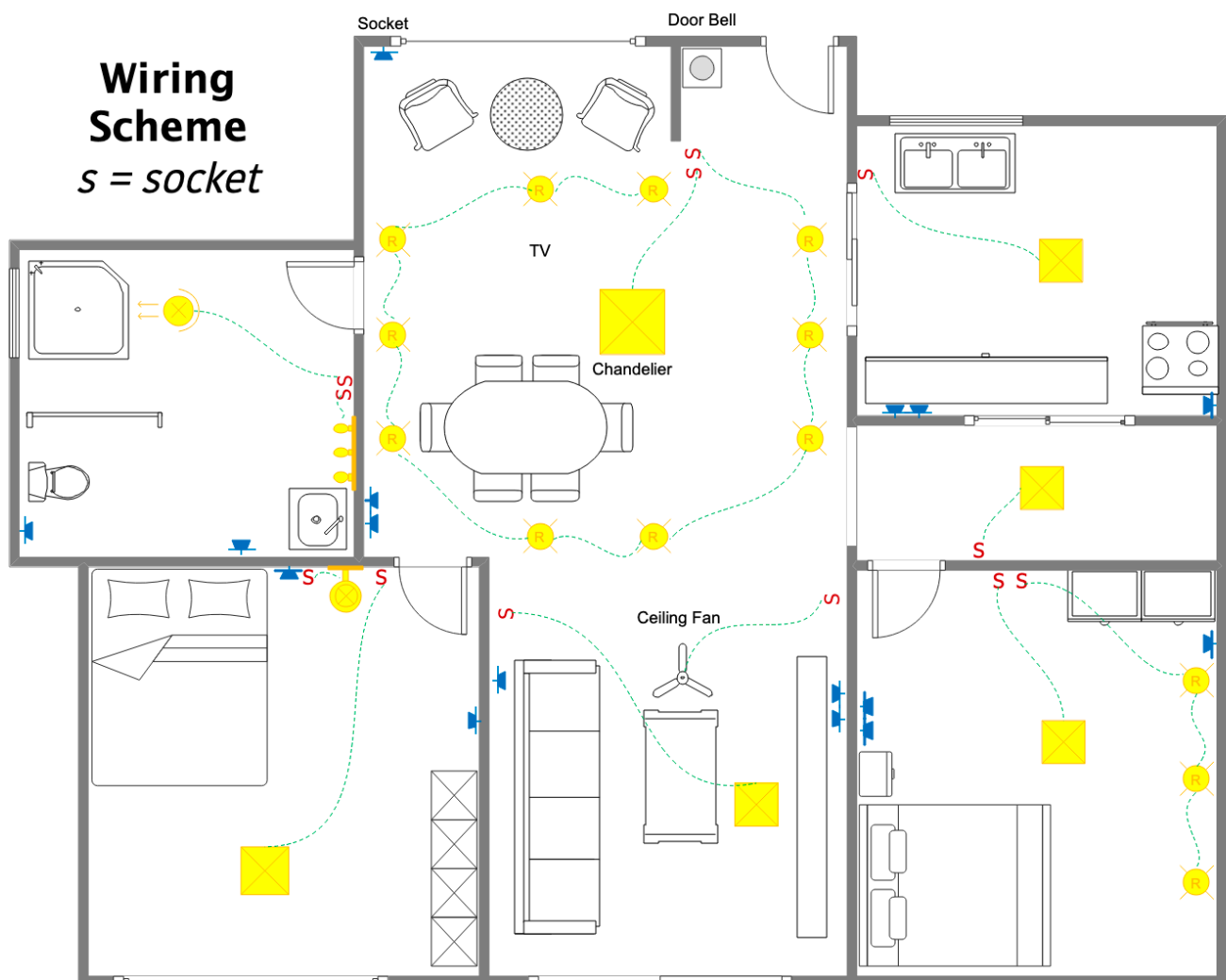
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20 November 2022

# Term Assignment 2

Wiring scheme for house and bifurcation cost of components

## Wiring Scheme



## Bifurcation of cost of all the components

Location	No. Of Sockets + Switches (16 Amp)	No. Of Sockets + Switches (6 Amp)	No of Switches (6 Amp)
<b>Living Room</b>	2 (sockets) + 2 (switches) <i>For : AC &amp; Extra</i>	8 (sockets) + 8 (switches) <i>For : TV x1, Sound bar x2, Charging points x2, Extra x3</i>	5 Switches <i>For : Chandelier x1, Lights x2, Fan x2</i>
<b>Bedroom-1 [my study room]</b>	2 (sockets) + 2 (switches) <i>For : AC &amp; Geyser (in bathroom)</i>	6 (sockets) + 6 (switches) <i>For : Computer x2 (monitor + PC), Charging points x2, Extra x2</i>	4 Switches <i>For : RGB Lights x1, Lights x2, Fan x1</i>
<b>Bedroom-2 [parents room]</b>	2 (sockets) + 2 (switches) <i>For : AC &amp; Geyser (in bathroom)</i>	4 (sockets) + 4 (switches) <i>For : TV x1, Charging points x2, Extra x1</i>	3 Switches <i>For : Night lamp x1, Light x1, Fan x1</i>
<b>Bedroom-3 [mandir room (sacred place)]</b>	-	2 (sockets) + 2 (switches) <i>For : Extra x2</i>	3 Switches <i>For : Decoration x1, Light x1, Fan x1</i>
<b>Kitchen</b>	4 (sockets) + 4 (switches) <i>For : Microwave, Washing Machine, RO, Refrigerator</i>	4 (sockets) + 4 (switches) <i>For : Chimney x1, Extra x3 (for mixer, juicer etc.)</i>	3 Switches <i>For : Exhaust fan x1, Light x1, Fan x1</i>
<b>Total :</b>	<b>10 (sockets) + 10 (switches)</b>	<b>24 (sockets) + 24 (switches)</b>	<b>18 (switches)</b>

### Cost :

Switch board :

- Havells Crabtree Athena 6A Five Pin Socket (150 rupees per piece) **x24**

Socket :

- Havells Crabtree Athena 6A-16A Three Pin Combined Shutter Socket (240 rupees per piece) **x8**
- Crabtree Havells 16A Wi-Fi enabled Smart Socket (1200 rupees per piece) **x2**

Switches :

- Havells 6A Switch (White) -20 Pieces (340 rupees per set) **x2** [+2 old switches used from previous home]

Fan :

- Havells Ambrose 1200mm Ceiling Fan (Gold Mist Wood) (2200 rupees per piece) **x6**

Light :

- Havells 20W LED Cool Day Light Batten (LHEXACP7UN1W020-Pk1, White)

*(435 rupees per piece) x6*

- Havells Glamax 9W B22 Smart Wi-fi Enabled Bulb (600 per piece) x1

Wiring cost : around 6000 rupees (including labour)

MCB : 210 rupees **x1**

Conduit Pipes : 50 rupees **x2**

Total Cost :

*150\*24*

*+ 240\*8*

*+ 1200\*2*

*+ 340\*2*

*+ 2200\*6*

*+ 435\*6*

*+ 600\*1*

*+ 6000*

*+ 210*

*+ 50\*2*

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*31320 rupees*