Project Report on

Project 2: Colour and Texture Management

Presented by the

Third Year Semester V B.Tech. IT

In the subject of

Open Elective 1: Interior Design

Group No. 1

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PROBLEM STATEMENT:

In the previous Project, we had constructed and planned our 2000sqft bungalow for 2 elderly people and a caretaker in AutoCad in terms of space management. In this project we have chosen specific rooms individually and have done the colour, texture and light management of the rooms using an online tool called as HomeStyler. The room I have chosen is the second floors guest bedroom. The main objective of my approach for the design and management of the said things is to create a sense of tranquility and peace in the user's mind and at the same time to be functional with the help of the various colours, textures and light management we have studied in the theoratical chapters.

In the below depiction, I have highlighted the guest bedroom, in the planning (top – view) in order to understand the positioning of the room in the layout
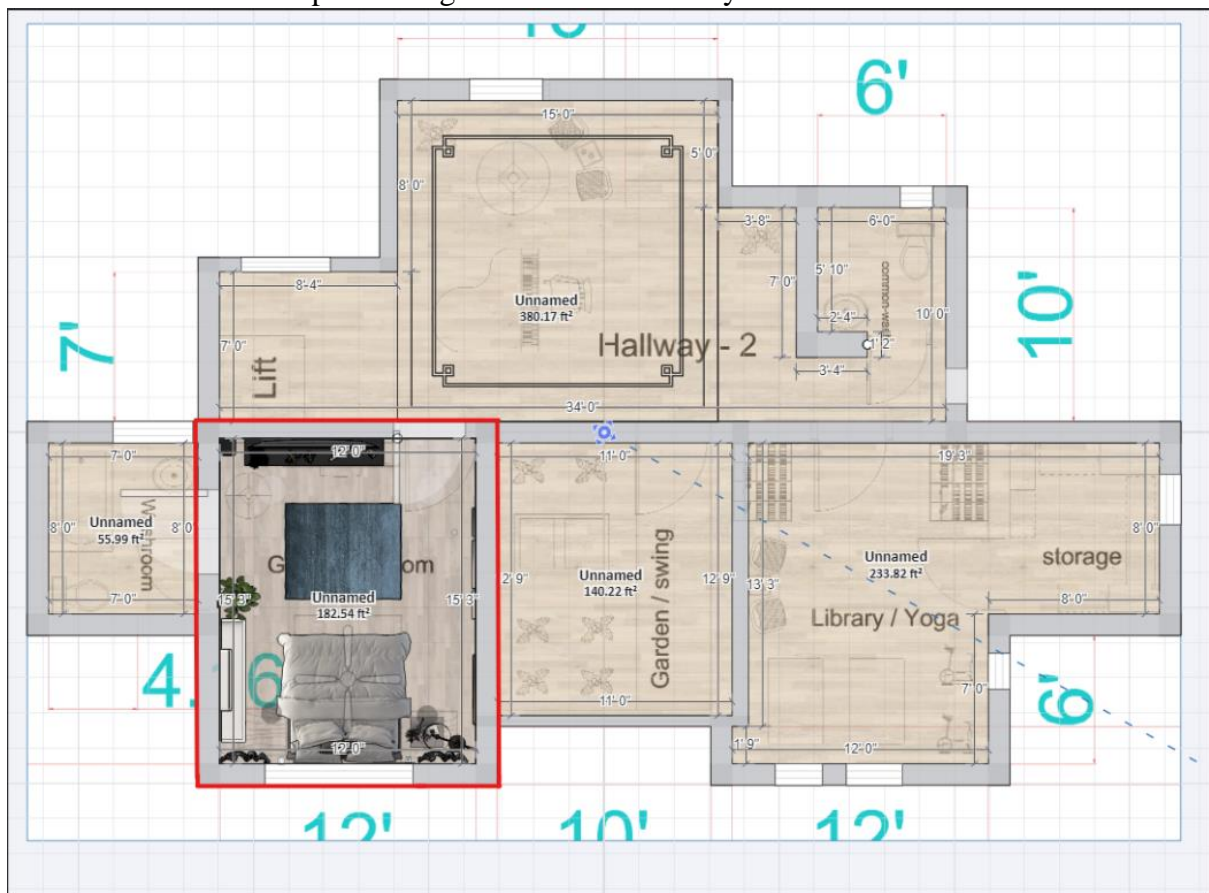
LINK TO THE HOMESTYLER WEBSITE:

https://3d.homestyler.com/?lang=en_US&assetId=8d3768f4-d137-4640-92ce-aaa418cd37de

Justification with reasons for selecting specific colours in terms of hue, brightness, tone, shade, tint:

Colours are described by their hue, tint, shade, tone, brightness, and saturation to bring the exact likeness of colours rather than create misinformation. The following parts of the report showcase each colour with its in-depth information on the mediums of description.

Hue - The name of the colour/ choice of pigment
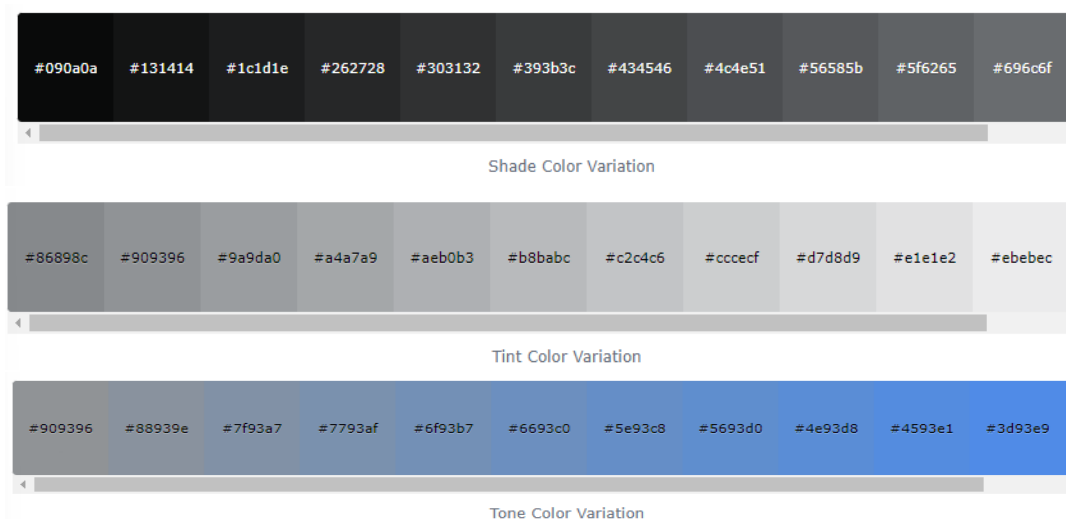Shade - The base colour plus black
Tint - The base colour plus white
Tone - The base colour plus grey
Brightness - The lightness or brightness of the colour, the amount of light it reflects
Saturation - The level of white, grey, or black in the colour; ranging from neutral to brilliant
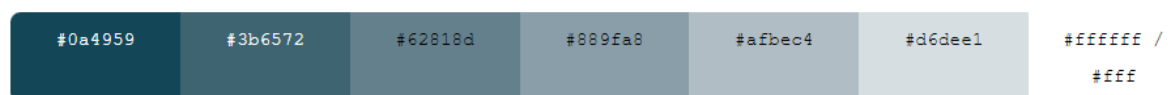
Colour used in the room are as follows:

1) **Light grey** - It has a hue angle of 210 degrees, a saturation of 2.8% and a lightness of 57.6%. #909396 color hex could be obtained by blending #ffffff with #21272d.

#090a0a	#131414	#1c1d1e	#262728	#303132	#393b3c	#434546	#4c4e51	#56585b	#5f6265	#696c6f

Shade Color Variation

#86898c	#909396	#9a9da0	#a4a7a9	#aeb0b3	#b8babc	#c2c4c6	#cccecf	#d7d8d9	#e1e1e2	#ebebec

Tint Color Variation

#909396	#88939e	#7f93a7	#7793af	#6f93b7	#6693c0	#5e93c8	#5693d0	#4e93d8	#4593e1	#3d93e9

Tone Color Variation

2) **Dark cyan -** In the HSL color space #0a4959 has a hue of 192° (degrees), 80% saturation and 19% lightness.

Tints and Shades

#0a4959 to white

#0a4959	#3b6572	#62818d	#889fa8	#afbec4	#d6dee1	#ffffff / #fff

#0a4959 to black

#0a4959	#0f3d4a	#11323c	#11272e	#0f1c21	#091114	#000000 / #000

Tones

#0a4959	#194552	#21414b	#273d45	#2b393e	#2f3537	#313131
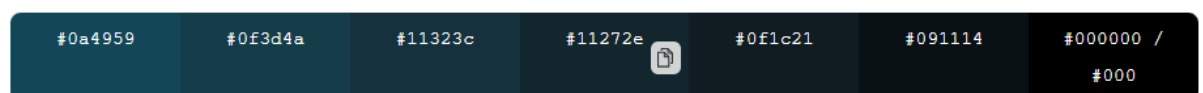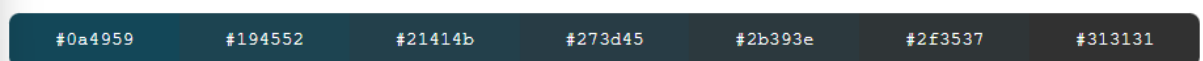
3) **Gloss Yellow -** It has a hue angle of 52.5 degrees, a saturation of 81.7% and a lightness of 61.4%.

#110f02	#231f04	#352f05	#473f07	#584e09	#6a5e0b	#7c6e0c	#8e7e0e	#a08e10	#b19e12	#c3ad14	#d5b...

Shade Color Variation

#e9d128	#ebd53a	#edd94c	#efdd5e	#f1e170	#f2e481	#f4e893	#f6eca5	#f8f0b7	#faf3c9	#fbf7db	#fdfb...

Tint Color Variation

#a1a098	#a9a690	#b0ab89	#b8b181	#c0b779	#c7bd72	#cfc26a	#d6c863	#dece5b	#e5d354	#edd94c	#f5d...

Tone Color Variation
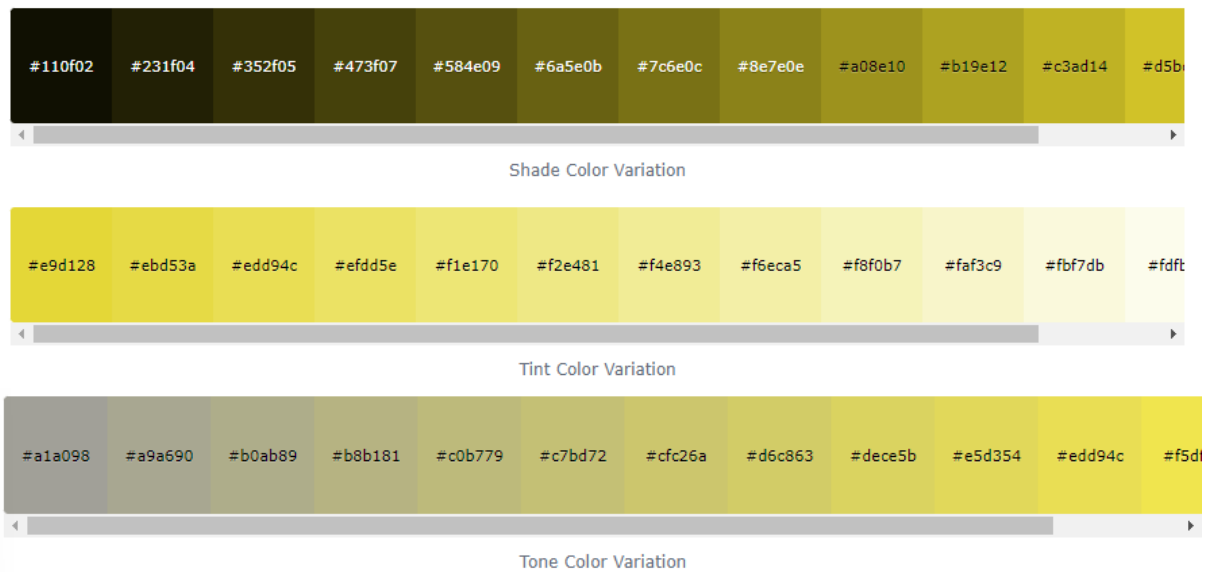
4) **Gloss Orange** - It has a hue angle of 22.7 degrees, a saturation of 81.7% and a lightness of 61.4%.

#110802	#230f04	#351705	#471f07	#582709	#6a2f0b	#7c370c	#8e3f0e	#a04610	#b14e12	#c35614	#d55...

Shade Color Variation

#e97228	#eb7d3a	#ed894c	#ef955e	#f1a070	#f2ac81	#f4b893	#f6c4a5	#f8cfb7	#fadbc9	#fbe7db	#fdf3...

Tint Color Variation

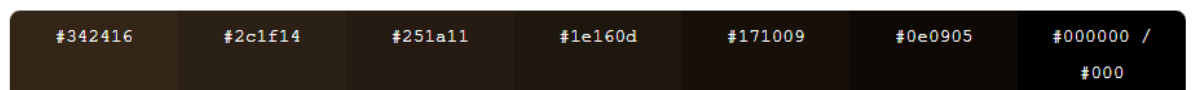| #a19b98	#a99a90	#b09889	#b89681	#c09479	#c79272	#cf906a	#d68f63	#de8d5b	#e58b54	#ed894c	#f587...

Tone Color Variation
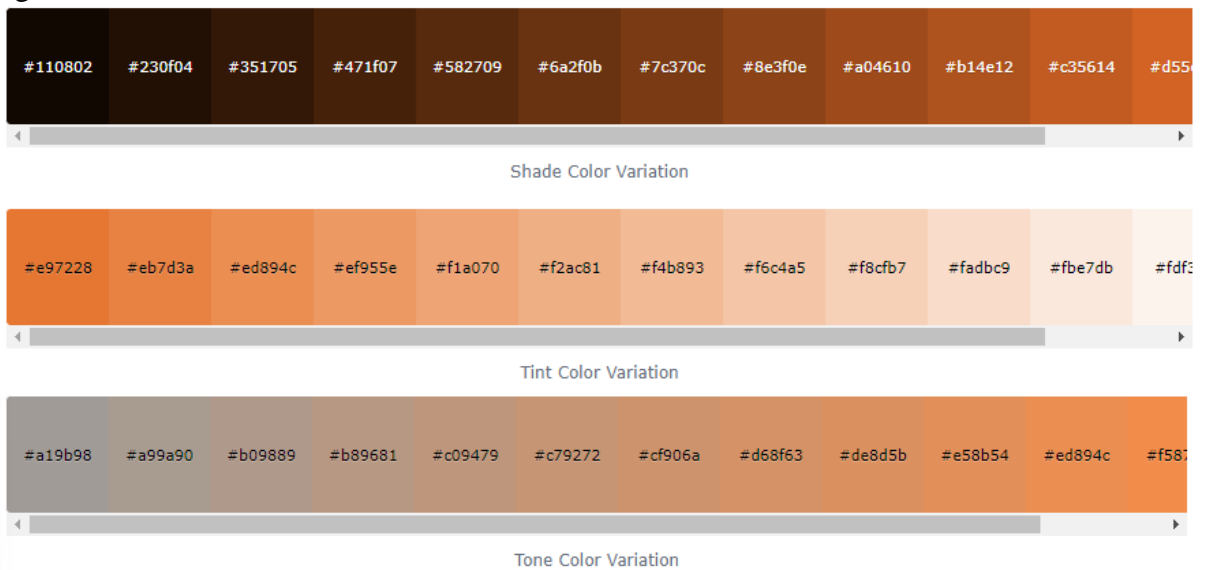
5) **Polished brown** – It has a hue of 28° (degrees), 41% saturation and 15% lightness.

#342416 to white

#342416	#534337	#73655a	#958980	#b7afa9	#dbd6d3	#ffffff / #fff

#342416 to black

#342416	#2c1f14	#251a11	#1e160d	#171009	#0e0905	#000000 / #000

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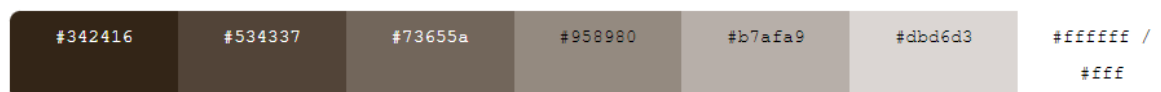
Justification with reasons for selection of colour giving psychological reason stating the important characteristics such as the symbol of every colour selected:

Dark Cyan Textured Wall : The dark Cyan textured wall with small dots serves as a focal point in the room. dark Cyan is often associated with tranquility and balance. The texture adds depth and interest to the wall, making it visually appealing. The dark Cyan color's medium brightness and the small dots in the texture create a sense of vibrancy without overwhelming the space.

Grey Queen-Sized Bed Grey is a neutral color that complements many other colors. It's a versatile choice for the bed as it can create a calming atmosphere while allowing the colorful pillows (yellow and orange) to stand out. The neutrality of grey also contributes to a sense of sophistication.

Yellow and Orange Pillows: The use of yellow and orange pillows on the grey bed introduces bright and cheerful accents. These warm hues add energy and a pop of color to the room, creating visual interest.

Brown Wooden Wardrobe: The brown wooden wardrobe provides a warm, natural tone to the room. Wood tones often evoke a sense of coziness and connection to nature. This choice can make the room feel inviting and grounded.

Teal Curtains (Matching Hue): The teal curtains on the window match the color of the textured wall. This creates a harmonious color scheme and ties the room together visually.

Light Grey Walls (Neutral Backdrop): The light grey walls on the left and right sides of the room act as a neutral backdrop. They allow the focus to remain on the colorful accents and the central teal wall. Light grey is calming and complements various colors.

White Wall Behind the Bed (Contrast and Brightness): The white wall behind the bed serves as a bright and neutral backdrop for the bed itself. White is often associated with purity and cleanliness. In this context, it contrasts with the grey bed and colorful pillows, making them stand out more prominently. This contrast adds visual interest and helps create a balanced color palette in the room.

Justification with reasons for the selected colour scheme:

The main motive for the subtle colour scheme in the guest room was to cater to a universal taste. As the room is meant for guests we don't know the preferred taste of the people who will be spending time in the room. The rooms main highlight is the Dark cyan colour textured wall, for this section let's not go into the details about the texture but let's look at the reasoning behind the selected colour. Blue colour of the sky gives peace to the mind and it indicates the limitlessness as well as it's an indication of inspiration whereas green colour indicates liveliness and freshness. Since Dark cyan is a coloured which is made up of using green and blue it combines and has the combined affect of both of these colours. Neutral tones of and grey and white are used intelligently to reduce the effect of other colour. A light grey brings the crisp and bright quality that a bright white does, allowing light to bounce off the walls, while it also keeps the room remaining cool, as opposed to the warmth that a taupe would infuse. The colour scheme is chosen in a way to ensure that the combination of the colours fits the different users with different mindsets equally well. The addition of pop colours like orange and yellow pillows add an element of cheerfulness and joy and breaks the monotonous grey coloured queen sized beds coversheets. The use of a rug on the floor with the same dark cyan colour with a slightly different tone brings in the cohesiveness in the room and also works as a comfortable walking space. Brown, especially polished wood, adds warmth and coziness to any space. In the context of your room, the brown cupboards provide a comforting and inviting atmosphere, making the room feel more homely. Brown provides a beautiful contrast to the dark cyan wall and complements other colors in the room, such as grey and the vibrant yellow and orange accents. This contrast adds visual interest and balance to the color scheme, preventing any one color from overpowering the space.

Types of Paint used:

1) **Oil Paint** – The cupboard or the wardrobe cabinet was done using oil paint to bring out a shiny reflective finish and also since it's the best type of paint to be used on wooden frames
2) **Texture** – The dark cyan wall was done using texture paint inorder to bring in a depth effect in the room and also to make it more immersive. The wall is not just plain; it features a textured surface with small dots. This texture adds an extra layer of visual interest and tactile appeal to the wall. The small dots create a subtle pattern that can be felt when touched, adding a dynamic element to the otherwise flat surface. This texture also plays with light and shadow, creating a visually stimulating effect, especially when illuminated.
3) **Emulsion** – The side grey and white walls is done using acrylic emulsion due to various reasons like its resistant to cracking, resistant to funguses and durability but the key reason was due to its availability in matte finish.

Justification with reasons for the selected texture scheme:

a) Layering different textures: The walls have 2 different textures; the white and grey wall has a matte finish and the TV wall has a textured finish. The polished wardrobe cabinet. The different coloured pillows in the queen-sized grey bed, The dark cyan coloured rug, the painting with accent lighting and the mirror all contributes to the layering of different forms of textures.
b) Textured structure/furniture: The bed back having a velvet synthetic fabric texture, while the cushion design also making place for pins is an addition that elevates the look of the room.
c) Textured home accessories: The plant, the artwork segregated into 3 sections, the mirror, the tv cabinet all having different textures.
d) Plants: The addition of the plant near the wardrobe cabinet goes well with dark brown wooden framework of the cabinet which gives a peaceful down to earth and natural feeling in the room.
e) Lighting to enhance texture: Using strategically placed spot lights, the wall art and light on the texture wall.

Lighting:
 a) Accent Lighting: This is used to highlight art pieces or sculptures. Hence there is a spot light directly above the painting on the grey wall to enhance its beauty.
b) Ambient Lighting: There is a small vertical light next to the wardrobe which doubles as a night lamp
c) Task Lighting: There is one in the form of a floor lamp. Which also works as a night lamp for reading and writing purposes.
d) Natural Lighting: The natural light that enters through windows in the room spans the entire room, thus giving a more lively and airy look.

e) Track lighting: Which in this room is the double pelmet lighting which can be turned on independently for ambience while watching tv or other entertainment.

3-D Design Rendered Pictures:

Bed side wall:

TV wall:

Wardrobe wall:

Mirror + painting wall:

Other miscellaneous angles: