NAME : VANESSA AWINO WAGAI

REG NO : E15/03392/21

UNIT : COMPUTER AIDED DESIGN
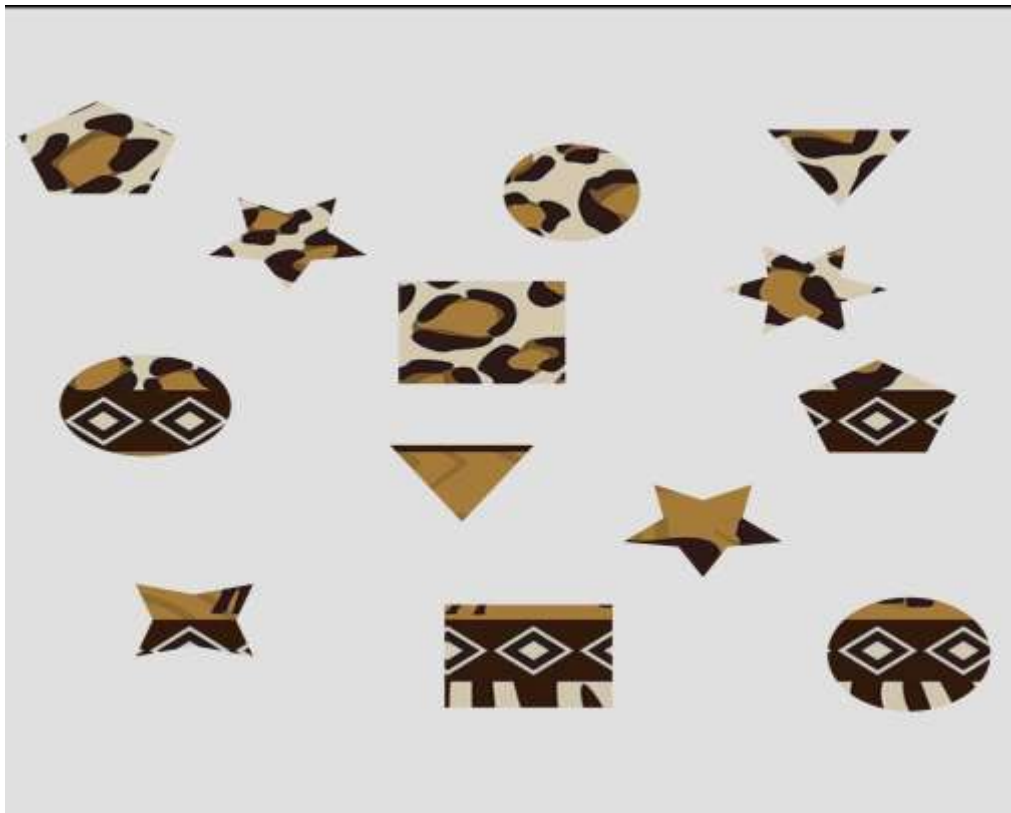
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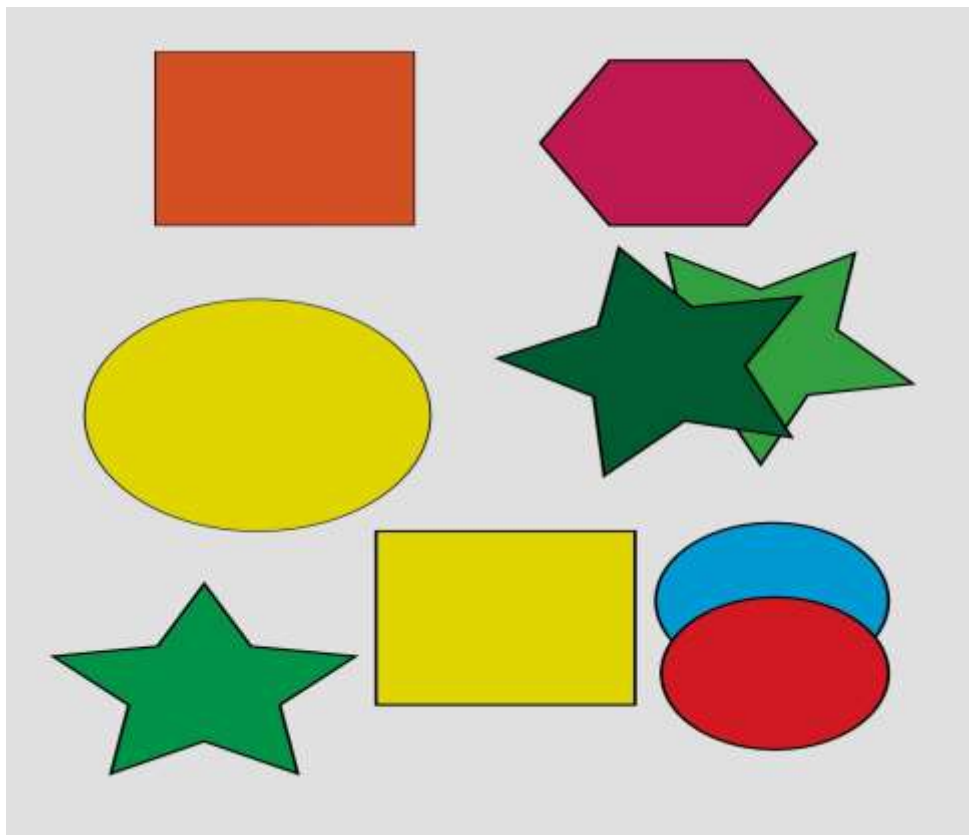
ADOBE ILLUSTRATOR AND ARCHICAD CLASS PROJECTS

Adobe illustrator projects

1. Swatches

2.shapes

3. Traces ;females and males

4. Traces with garments ;females and males

5. Leso

6. Basic bodice shirt
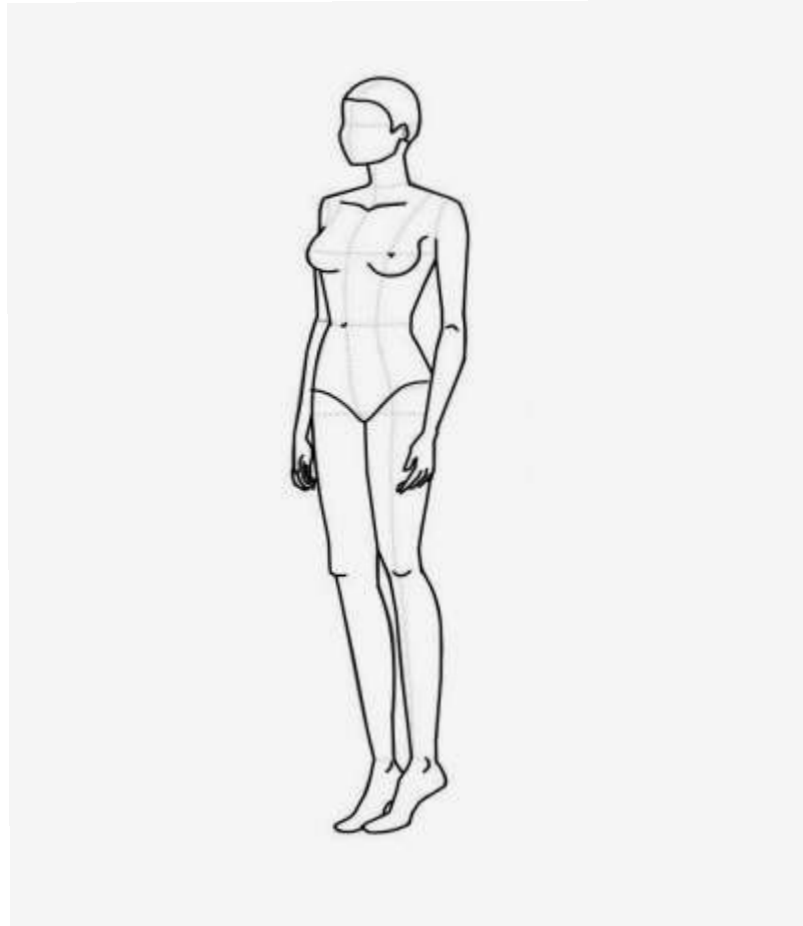
7. Basic skirt

8. Basic trouser

Swatches

Shapes
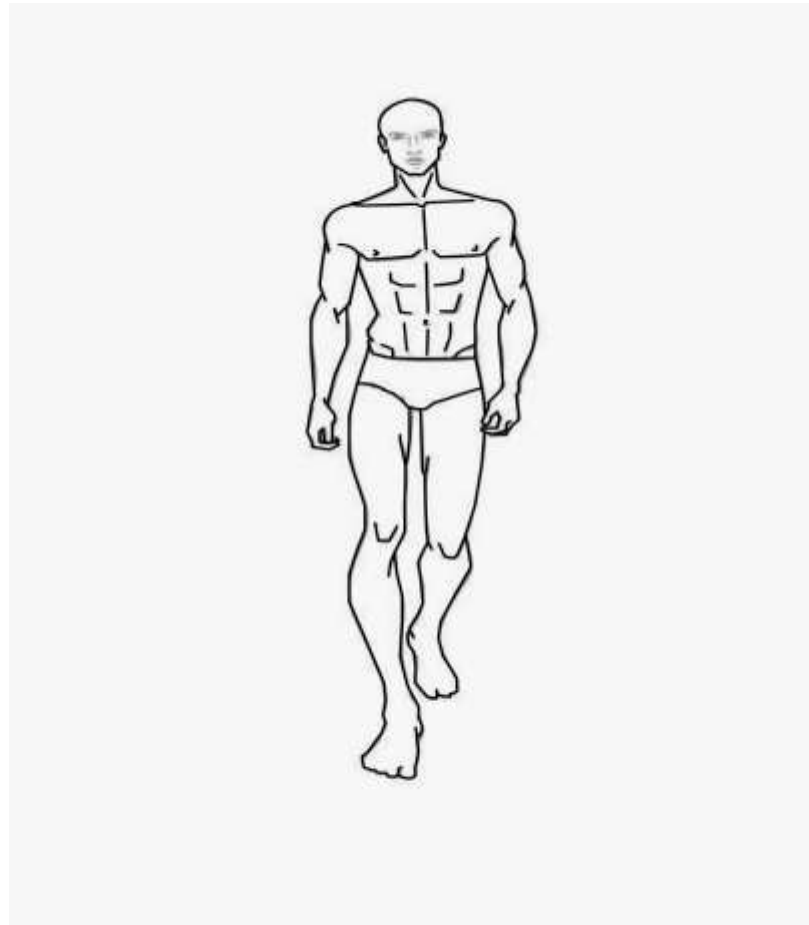
Traces
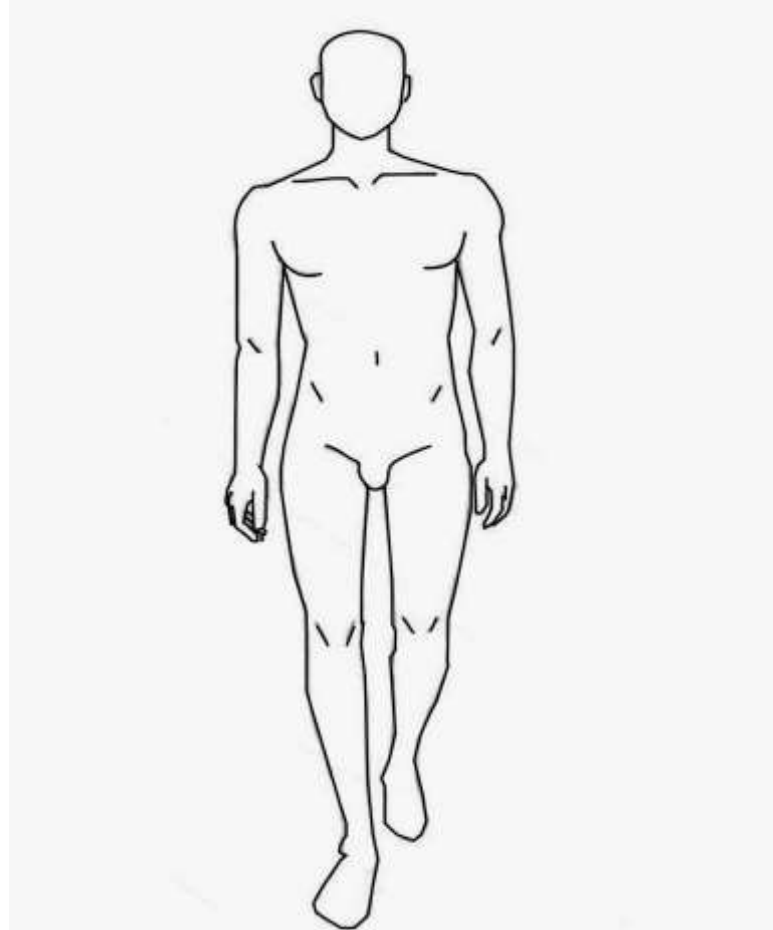# I)female figure 1

II)Female figure 2

III)Male figure 1

IV)Male figure 2

Traces with clothes
I)female figure 1
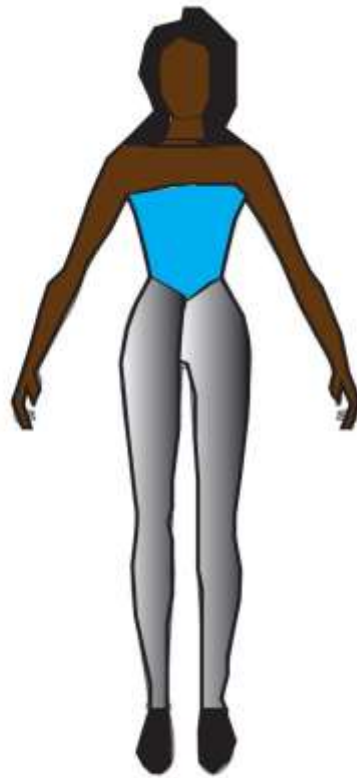
II)female figure 2

III)Female figure 3
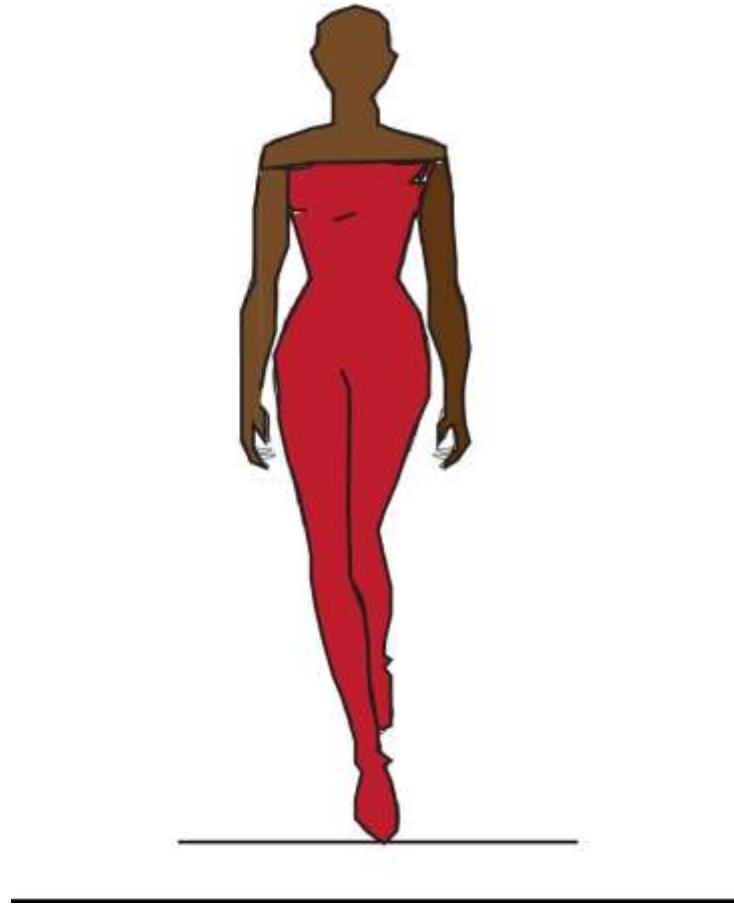
IV)Male figure 1
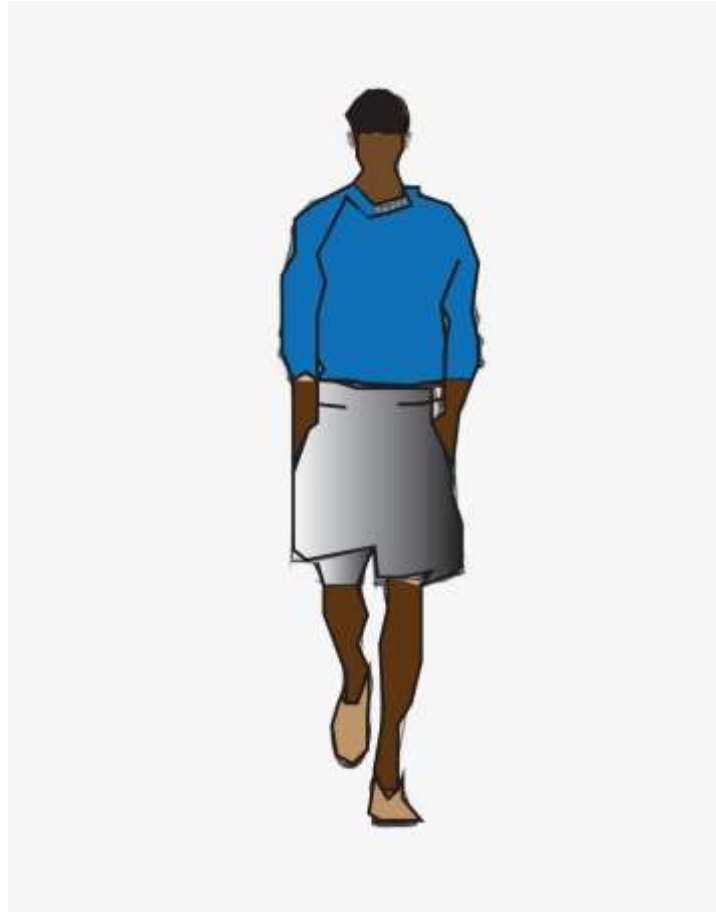
Leso

Basic bodice shirt

Basic skirt

BASIC SKIRT BLOCK

Back skirt
S/12
CUT 2

Front Skirt
S/12
CUT 1

Basic trousers

BASIC TROUSER BLOCK

BLACK TROUSER
S/12
CUT 2

FRONT TROUSER
S/12
CUT 2
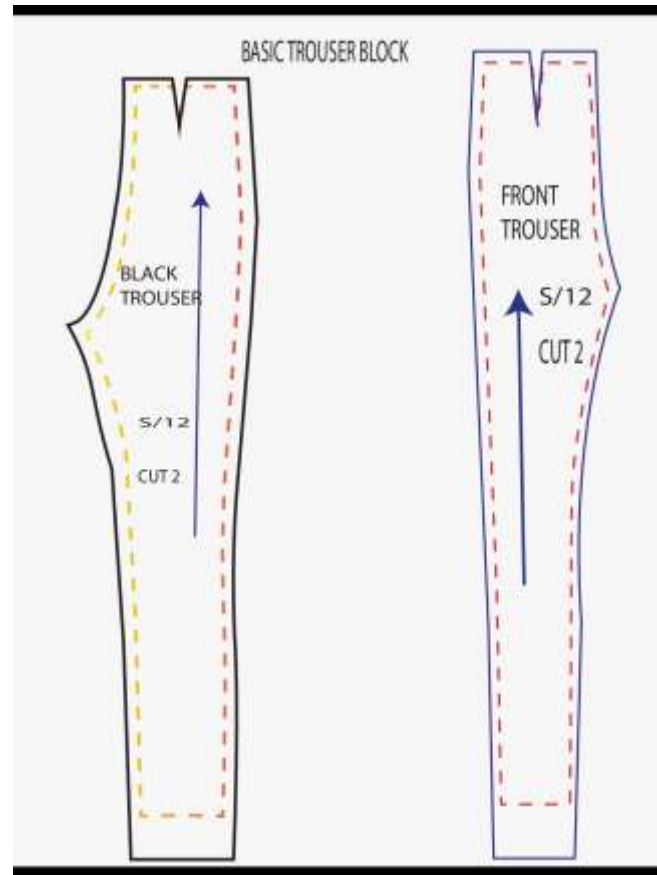
ArchiCAD

1. Floor plan

2. 4 bedroom house

5. Advantages and disadvantages of CAD in interior design and fashion design

Floorplan
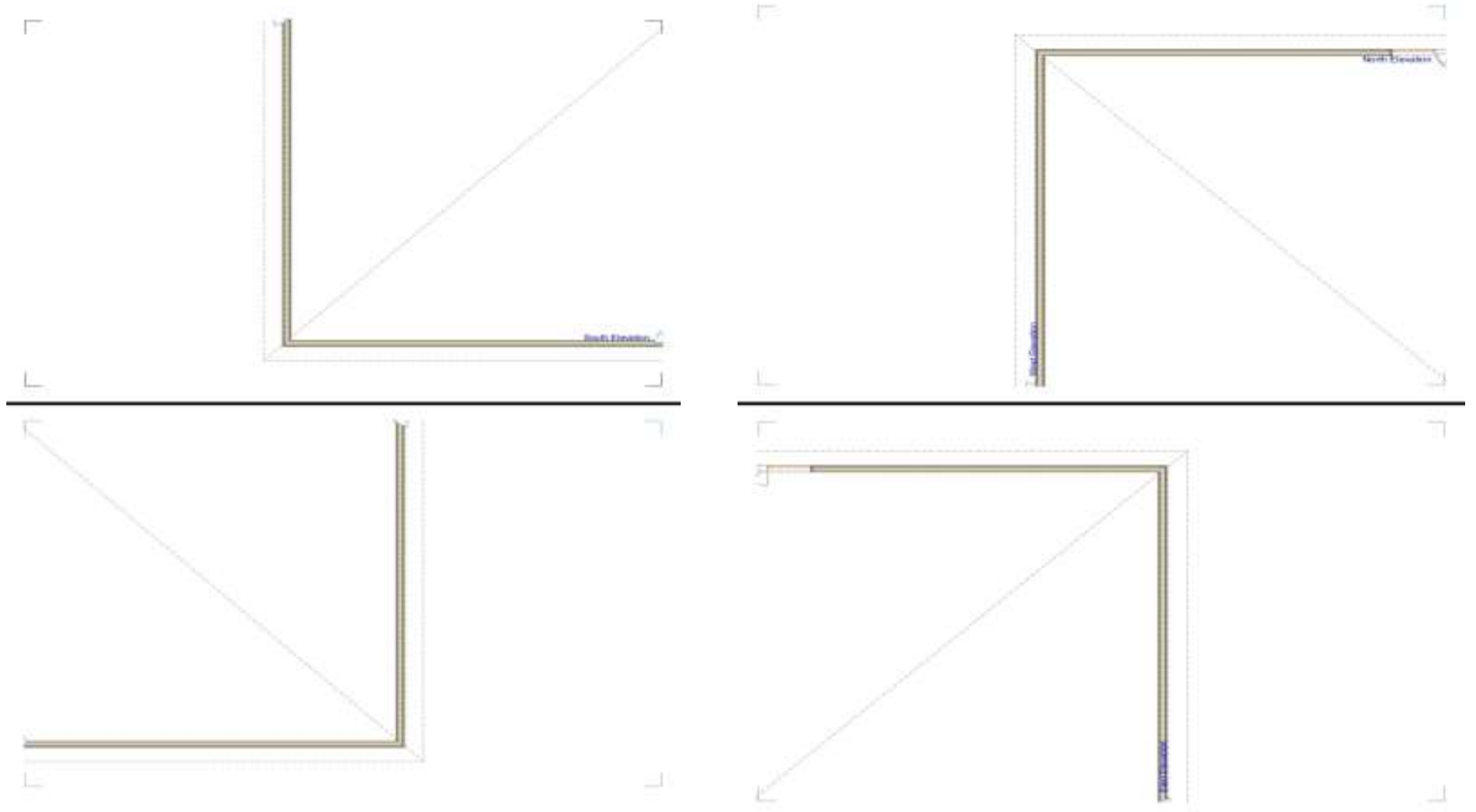
4 bedroom house
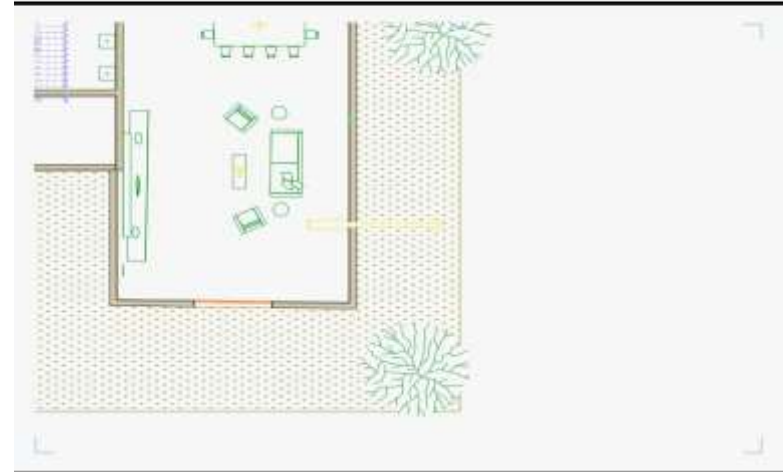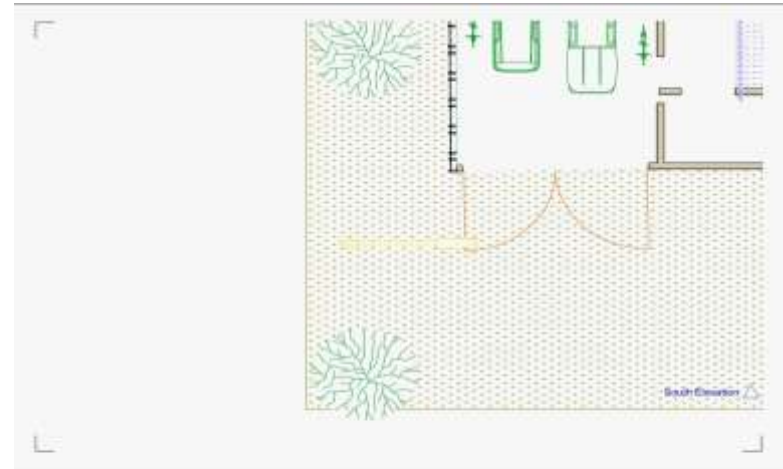
4 bedroom house picture

Advantages of CAD in interior design

The interior design industry is rapidly growing industry that has been gaining momentum in recent years. CAD has emerged as a game changer in interior design, offering designers unparrelled precision, efficiency and flexibility.

Advantages of CAD in interior design

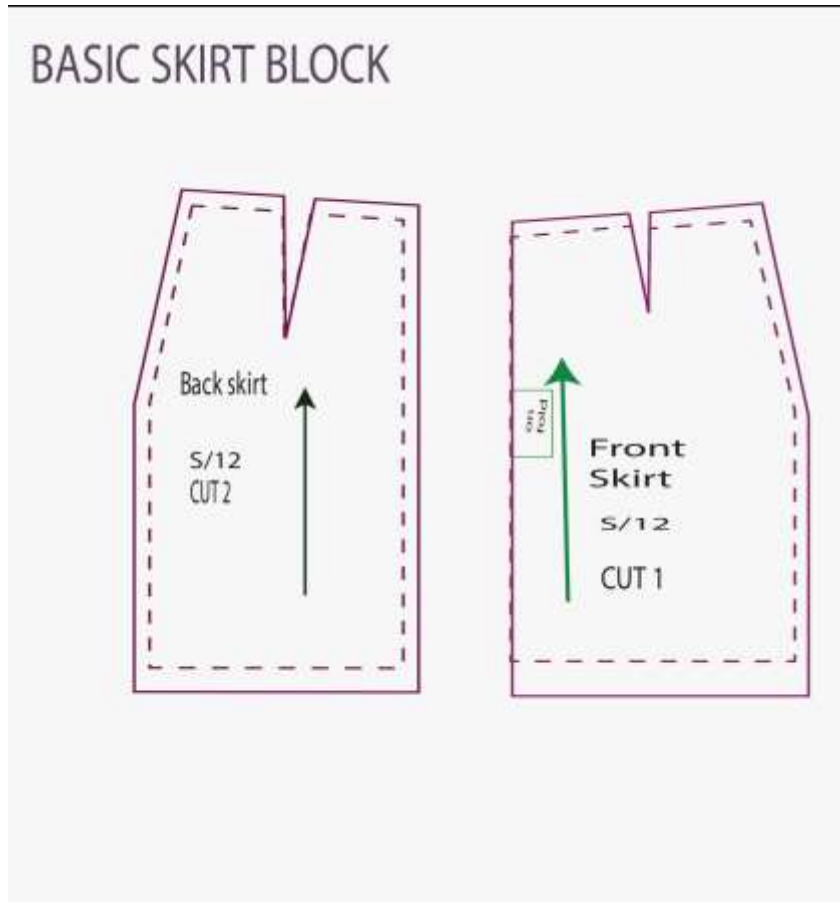**Precision and Accuracy –** CAD ensures measurements and alignments, minimizing errors in interior design layouts.

Visualization and simulation – CAD enables realistic 3D modelling and rendering, aiding client in visualizing their spaces before construction

**Efficiency and Productivity –** CAD streamlines the design process, automating tasks and facilitating rapid iteration for enhanced productivity

Collaboration – CAD fosters seamless Collaboration between designers, architects and clients through easy file sharing and real time feedback

Flexibility – CAD allows designers to explore diverse design

Disadvantages of CAD in interior design

Dependence on design expertise – CAD system can be complex and feature – rich which can be admittedly be somewhat overwhelming for a new user and requires a sleep learning curve. Over reliance on CAD tools can sometimes limit designers creativity as the may default to using familiar patterns or tools within the software

Cost of softwares and hardwares – CAD is not only demanding when it comes to usage but it is also enormous constraints on Interior designers as high end CAD can be expensive to purchase. Cost of maintaining and upgrading the softwares as well.

Change in Industry standards – Another struggle designers have to deal with when it comes to CAD is the continuous evolution of industry standards and having to keep up with the updates that may now be coming up faster than they can keep up with.

Detachment from physical world – Use of CAD can detach designers from the physical world and immerge them in a virtual environment. As designs become a purely digital and derives benefits, spending too much time in this simulated world disconnects designers from the tactile experience of traditional, draughting, potentially overlooking certain practical consideration that comes from physical experimenting with materials.

Risk of data loss – There is risk of losing design data due to file corruption

Advantages of CAD in fashion industry

Creating prototypes – using CAD softwares, a fashion designer can create new sketches, patterns, prints more quickly and precisely. With increasing use of CAD fashion designers can create multiple variations of a single design and style and adapt it to varying materials and pattern

Colour mixing – CAD allows the fashion designer to explore various colour – ways of a print developed as opposed to the traditional designs methods the alterations and rectifications are guided as well as more accurate as it reduces room for errors

Managing fabric patterns – As the whole process from print development, collection development can be done on virtual version and very less parts of the whole process is an actual physical raw material. The cost of collection development in fashion designing can be reduced to a minimum.

Saves time – fashion designers consumers alot of time which results in not meeting the deadlines due to their lack of resources. When designers uses CAD it becomes much easier for them to brainstorm for new ideas as a lot of time is saved.

Durability – instead of saving your work on paper, clipboard and albums if you have soft copies of your work, chances of losing it's way lesser.

Designing a clothline - CAD technology is very helpful in not only designing

Disadvantages of CAD in fashion industry

Technology used today will obsolete in a few years and be replaced with a new one.

Manual design is invaluable since their is beauty and intricacy that is essence of in handwork.

Work can be lost because of sudden breakdown of computers.

Work could be easily hacked

Time taking process to know how to operate / run the softwares

High production or purchasing cost for new system

Time and cost for training

Need of regular updating of softwares or operating system

Need of less fashion designs in employed set up because of CAD system

Conclusion

Adobe Illustrator and CAD have significantly transformed the fashion and interior design industries by enhancing creativity and precision. These tools allow designers to create detailed and intricate designs with ease, enabling them to visualize concepts before production. In fashion, Illustrator helps in developing patterns and illustrations, streamlining the design process and allowing for quick modifications. Similarly, CAD software aids interior designers in creating accurate floor plans and 3D models, ensuring that designs are not only aesthetically pleasing but also functional. Overall, the integration of these technologies has led to more innovative designs and improved efficiency in both fields.