



Republic of the Philippines

NUEVA ECIJA UNIVERSITY OF SCIENCE AND TECHNOLOGY

Cabanatuan City, Nueva Ecija, Philippines

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COLLEGE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY

ITNET-02

CASE STUDY

DORM TECH BLDG.

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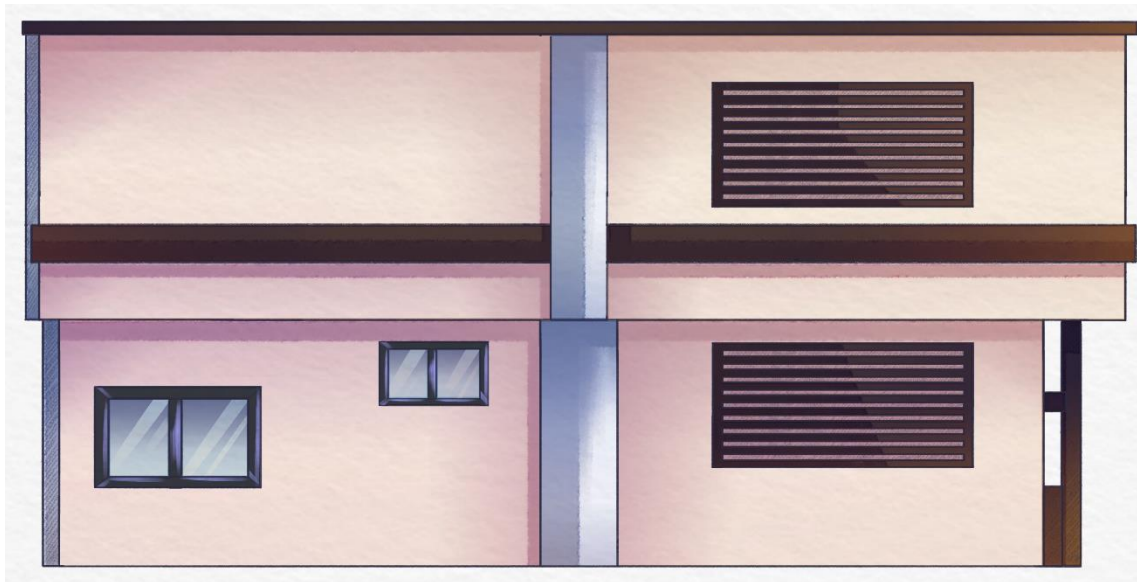
INTRODUCTION

Introducing the Dorm Tech Bldg.- The Dormtech Building comprises both commercial and dormitory spaces. Its design was inspired by the structure situated near our school, with additional embellishments tailored to our preferences. The rationale behind selecting this architectural model stems from a thorough observation of our immediate environment. It has been noted that a significant portion of NEUST students reside in dormitories. Recognizing that not all students possess the financial means to acquire personal computing devices such as laptops, desktop computers, or printers, and acknowledging the indispensability of these tools in contemporary academia, we endeavored to ensure that the dormitory facilities cater comprehensively to their academic needs. By integrating essential amenities within the dormitory premises, such as readily accessible printing facilities and communal computing resources, we aim to alleviate the burden on students who may otherwise face logistical challenges in accessing such equipment.

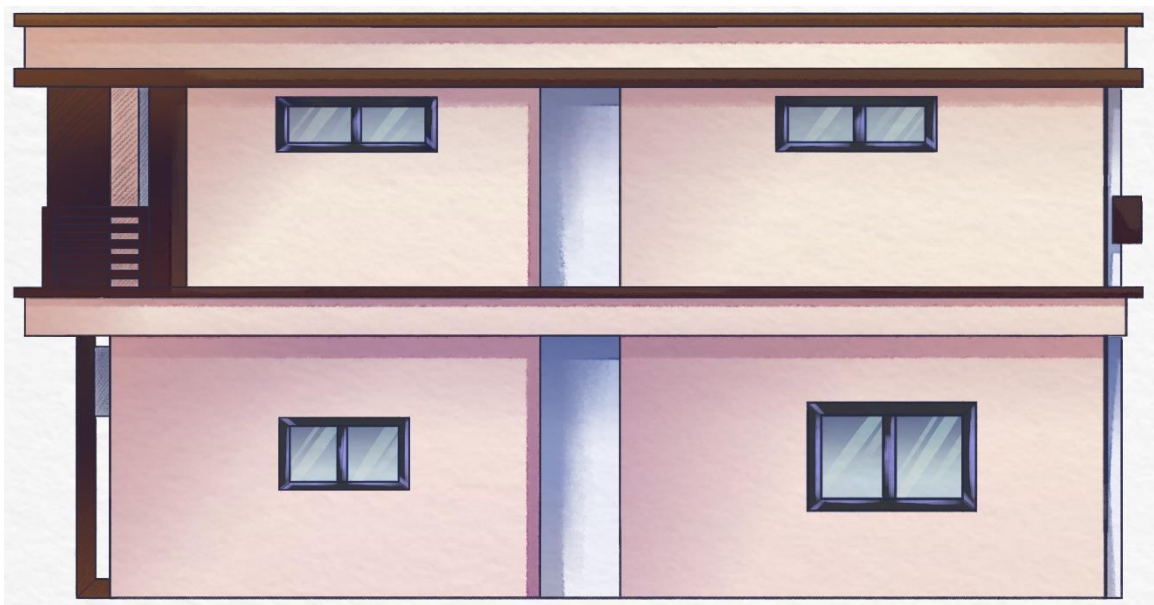
FRONT ELEVATION



Front view, the one that shows most features or characteristics and where the balcony is located.

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Left side view shows what becomes the left side of the object after establishing the front view position and the stairs is visible on this side.

RIGHT ELEVATION

Right side view shows what becomes the right side of the object after establishing the front view position and it can be seen on this side the comfort room and laundry area with a neat space.



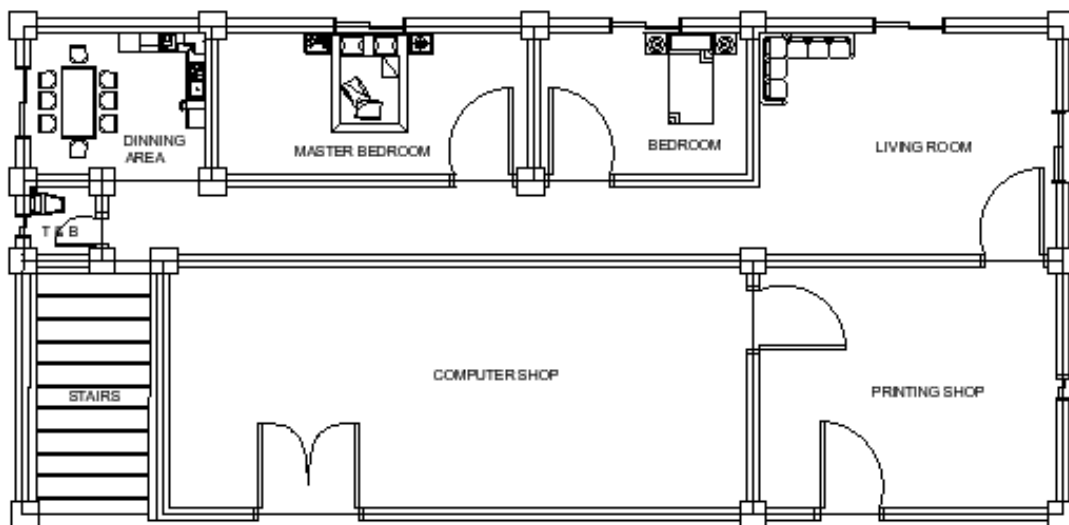
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REAR/BACK ELEVATION



Back view, it also shows some features and characteristics and other detailed on the back view of other rooms.

FIRST FLOOR FLOOR PLAN



The ground floor of our establishment features a computer and printing shop, the two shops were connected to each other. The reasons behind that, is some customer's primary activity anticipated is printing, hence ensuring the computer shop remains orderly and avoids overcrowding. Additionally, this arrangement enables the owner to monitor printing activities for the dormitory residents upstairs. Adjacent to these amenities is the proprietor's residence located towards the rear of the premises.



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COMPUTER SHOP

Ctrl + PC, also known as a computer shop, is a place where people can rent computer time and access the internet. People use computer shops for various purposes, including browsing the internet, checking emails, social networking, gaming, and completing work or school assignments.

PRINTING SHOP

Imagink also known as printing shop, specializing in high-quality printing services tailored to various needs, the shop offers a range of options including business cards, posters, brochures, and invitations. State-of-the-art equipment ensures vibrant colors and sharp details, while the experienced team provides exceptional service at every stage of the process. From assisting with paper selection to applying finishing touches, they are committed to bringing clients' visions to life efficiently and expertly.

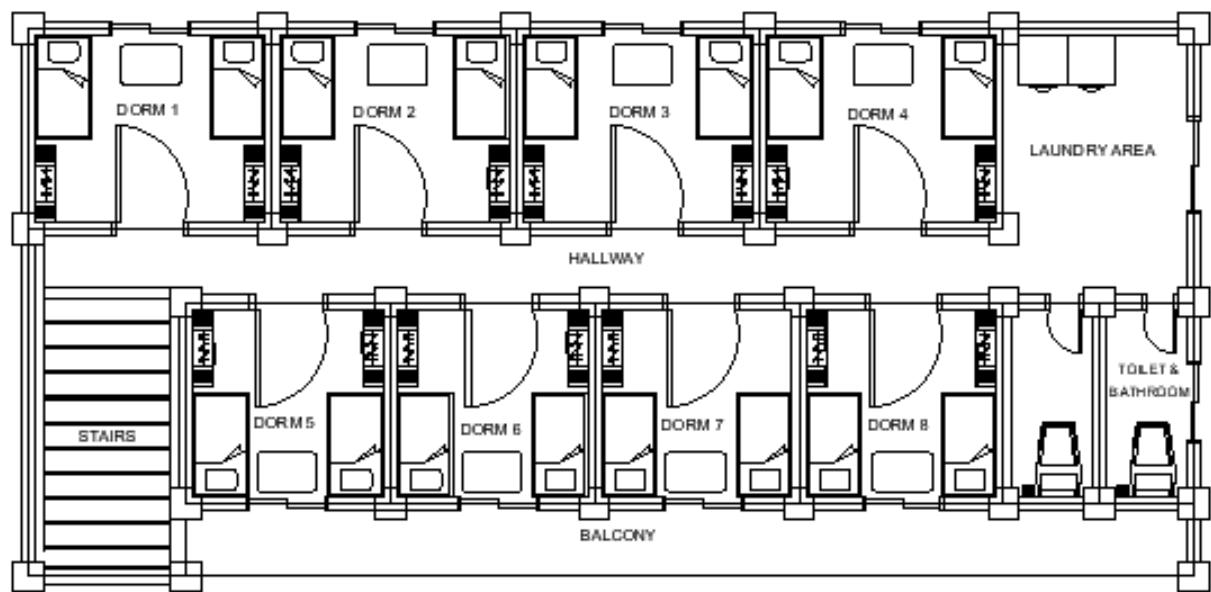
OWNER'S HOUSE

The owner's house/room is located behind the computer shop and the printing shop. The owner uses wireless devices such as smartphone and tablet which are already a wireless device, and it will automatically connect to the wireless router. As for the laptop, it needed to be a wireless device in order to be connected to a wireless router by removing modules and replace it with the router until it automatically connects so that the owner can still use it around.



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SECOND FLOOR FLOOR PLAN



The second floor composed of eight bedrooms where can accommodate at least four people and at the left side, there is a laundry area which is the essential element in apartment and to provides a neat space to hang selected clothes to dry, also there is a comfort room to enhance hygiene and promotes healthier environments to those borders.

SUMMARY

TOPOLOGY

The Dorm Tech Bldg. use star topology in computer shop and the rest uses wireless connection.