



# Presentation on Smart E-Commerce Centre

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# Bridging Innovation and Learning in TVET (BILT) project

TVET themes: Digital and Green transformations; entrepreneurship; migration

Bridging events  
2022 - Africa

## Innovation work

41 Innovation & Learning Practices

- Use of Ed Tech
- Integrating digital skills into TVET

## Learning work

- Learning Labs: VR platforms;



implemented by



with support of



and sponsored by



**BILT Learning Lab: H2Skills -  
training development for the  
hydrogen economy**

# The BILT Agenda - 2025

**Commitment 1:**  
Strengthen partnerships  
between Europe, Africa and  
Asia-Pacific ('Bridging')

**Commitment 2:**  
Foster Innovation and  
Knowledge Generation

**Commitment 3:**  
Reinforce Learning and Capacity  
Building

**Commitment 4:**  
Spotlight the Dual Transition by  
examining their implications on  
'New Qualifications and  
Competencies' in TVET in  
relevant sectors



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# TP SMART E-Commerce Centre



Provide integrated E-Commerce learning facilities for students across diplomas that aligns with Retail ITM agendas



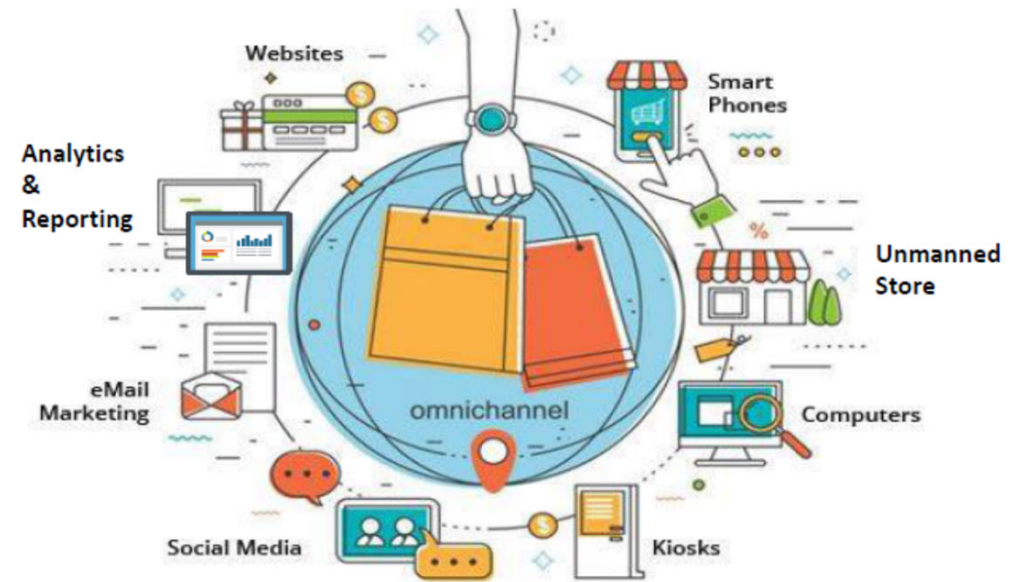
Practical training for staff and students through real-life business transactions



Project opportunities that are well-aligned with the School's strategic thrust of harnessing technology in business



Training opportunity for industry partners



The centre allows students to experience first-hand the fundamental interplay between experiential and transactional journeys and navigates the online and offline worlds in e-commerce and retail marketing.

Task Force Team (Staff)  
9

Students using 1st Avenue as  
a learning Platform (Online)  
80

Part-time students/alumni  
8

Interns  
9

Staff involving in running 1st  
Avenue day-to-day  
4

Total Sales  
>SGD40,900

# TP SMART E-Commerce Centre - Overview

Front-of-House



1st Avenue  
(Unmanned Store)



Mobile Enabled  
Order @Shop



E-Payment &  
Self-Checkout



Order  
Processing



Online & Offline  
Customers



Customer Experience  
Touch Points

## Store Front



LED  
Monitor



Interactive  
Monitor



Pop-up  
Lockers



Mobile  
Services  
Kiosk



Food  
Vending  
Machines

## In-Store



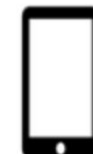
Concierge  
Robotics



LED TV



Virtual  
Mirror



Tablets



Virtual  
Reality  
Tools



Palm  
Biometric



RFID  
Tech

Back-of-House



Buying &  
Merchandising



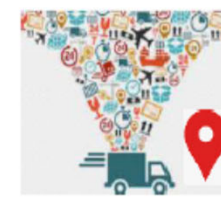
Digital & Social Media  
Marketing



Production &  
Fulfilment



Inventory &  
Warehousing



Resource Aggregation &  
Last Mile Delivery

# 1st Avenue: TP's Merchandise Web Store Front

In 2019, the TP Smart E-Commerce Centre of Excellence (SMEC) was proposed.

1st Avenue Online ([1stavenue.tpih.sg](http://1stavenue.tpih.sg)) served as SMEC's E-Commerce Web Storefront.

The objectives of this platform include:

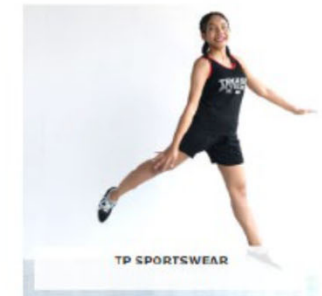
- Allowing students to learn e-commerce management, retail marketing & digital marketing.
- Offering TP merchandises and apparel to the TP community.
- Serve as a testbed for new technologies for retail.



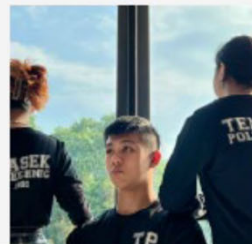
HOME 1ST AVENUE ORIGINALS TP-STAFF ACCOUNT ABOUT US CONTACT US

Welcome to 1stAvenue Online.

This is a pilot project managed by Smart E-Commerce Centre and supported by Digital Business Transformation Centre of Temasek Polytechnic to test-run our e-commerce capabilities. There might be intermittent delays in the processing and delivery of orders. We thank you for your support and seek your understanding in the event we fall short of your expectations.



## Featured Products



# Thank You

