

# Sec 2 Meet- Parent- Session 2022

Normal  
(Technical)  
Course

# Outline of Presentation

- Holistic Development of Gessians
- Post-Secondary Options
- Sec 3 Subject Combinations 2023
- Sharing on Mobile Robotics, Food Science and Elements of Business Studies
- Subject Allocation Process and considerations
- Q & A



# Life of a Gessian...



Leadership  
Development



CCAs

ICT-Based  
Lessons/  
Activities



Our Belief  
In  
Holistic  
Education



Academic  
programmes

Character &  
Citizenship  
Education



Physical &  
Mental Wellness  
Activities

*Not just about academic excellence!*



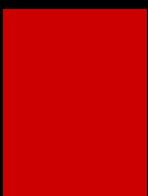
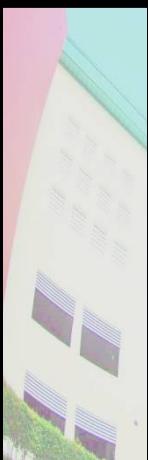


*begin WITH  
THE end IN  
mind*

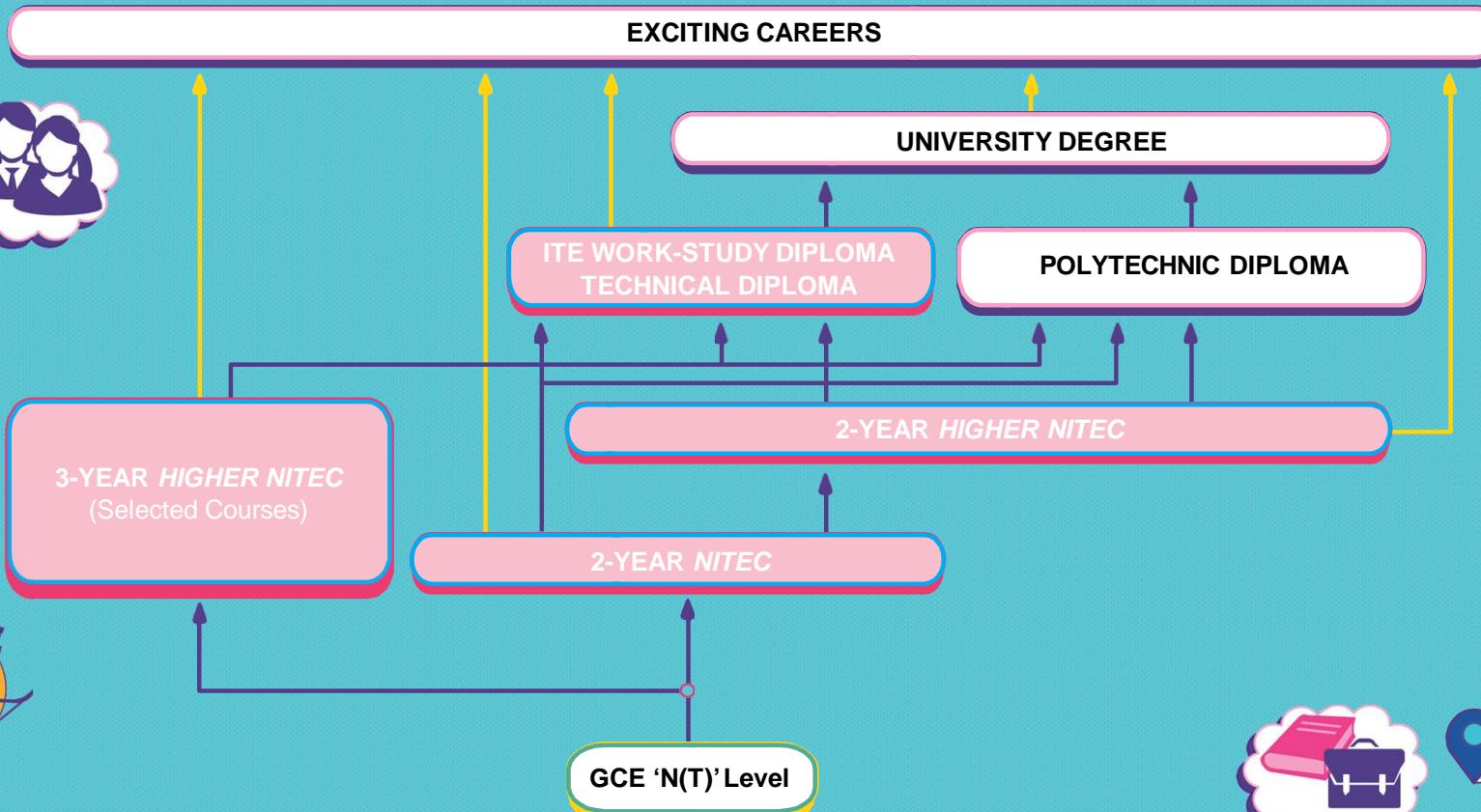




# Students with at least EMB2 of 7 points or below in 2021 GCE NT-Level Exam



# PROGRESSION PATHWAYS



# NEW 3-YEAR *HIGHER NITEC*



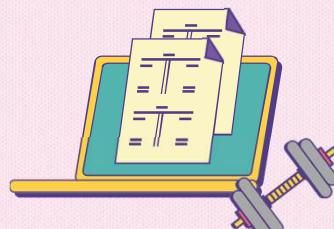
ITE will introduce a **new 3-year *Higher Nitec* full-time programme** from Academic Year 2022. Streamlining the current *Nitec* and *Higher Nitec* curricula, this new option will allow students to attain a ***Higher Nitec* qualification directly, in only three years instead of the current four years.**

**Normal (Academic) and Normal (Technical) students can apply** for this new 3-year *Higher Nitec* programme using the existing *Nitec* entry requirements.

**O-Level and Direct Entry Scheme to Polytechnic Programme (DPP)** Normal (Academic) students will join the programme directly in the second year and will continue to attain their *Higher Nitec* in 2 years. ITE will adopt a phased implementation approach beginning with eight *Higher Nitec* courses in Academic Year (AY) 2022.

## School of Business & Services

- *Higher Nitec* in Accounting
- *Higher Nitec* in Sport Management



## School of Electronics & Info-comm Technology

- *Higher Nitec* in Electronics Engineering
- *Higher Nitec* in Security System Integration
- *Higher Nitec* in IT Systems & Networks
- *Higher Nitec* in Cyber & Network Security
- *Higher Nitec* in Business Information Systems
- *Higher Nitec* in IT Applications Development



8





Based

# *FULL-TIME 3-YEAR HIGHER NITEC COURSES AGGREGATE POINTS*

<i>New 3-Year Higher Nitec courses</i>	Aggregate points
Accounting	-
Sport Management	-
Electronics Engineering	-
Security System Integration	-
IT Systems & Networks	-
Cyber & Network Security	-
Business Information Systems	-
IT Applications Development	-



# Institute of Technical Education (ITE)

## Bonus Points

The table below provides details for the computation of bonus points available. Please note that these bonus points are not taken into account when considering whether applicants are eligible for courses. The bonus points will only come into effect when the applicant has been deemed eligible and is being considered for posting based on merit.

Types of Bonus Points	Number of Bonus Points Awarded
For applicants with the following CCA grades: a) Excellent or Grades of A1 – A2 b) Good or Grades of B3 – C6	2 points 1 point
Applicants with GCE ‘N (Academic)’ level grades of 1 to 5 for pre-requisite subjects (e.g. Mathematics, English and Science) for the courses applied for.	2 points for each pre-requisite subject, up to a maximum of 4 points for the course applied.



# SPECIAL REQUIREMENTS, RESTRICTIONS, TESTS, ETC.

## Notes:

- ① Applicants who are applying for the following courses: **Aerospace Avionics; Aerospace Machining Technology; Aerospace Technology; Architectural Technology; Asian Culinary Arts; Beauty & Wellness; Community Care & Social Services; Digital Animation; Fashion Apparel Production & Design; Fitness Training; Floristry; Hair Fashion & Design; Interior & Exhibition Design; Nursing; Opticianry; Pastry & Baking; Product Design; Travel & Tourism Services; Video Production; Visual Communication; and Western Culinary Arts** that are offered under Aptitude-Based Admissions are strongly encouraged to seek course counselling at the Colleges offering these courses during the application period so as to understand the course requirements. Applicants must first meet the ITE aggregate point for these courses to be shortlisted. Shortlisted applicants will be required to attend **one interview** to assess their suitability for the course. Shortlisted applicants who are not successful at course interview will be considered for their **remaining choices without interview** based on merit and choice. Priority in selection will be given to **first-choice applicants** based on their results for these courses. **Applicants applying for these courses are advised to indicate them as their first choice.** For all other courses, selection will be by merit and choice based on the results of applicants.

# MINIMUM ENTRY REQUIREMENTS

**Some possible examples include:**

**3 GCE ‘N’ Passes (Grade A-D or 1-5)**

**in English Language, Mathematics and one other subject**

**in Mathematics or Science and two other subjects.**

**in English Language and two other subjects**

**in Mathematics and two other subjects**

**Completed N-level**

# **HOW TO COMPUTE YOUR AGGREGATE POINTS FOR NITEC COURSES WITH NORMAL TECHNICAL SUBJECTS**

Normal (Technical) Grade	ITE Aggregate Points
A	1
B	2
C	3
D	4
U	5

Types of Bonus Points	Number of Bonus Points Awarded
CCA Grades:	
a) Excellent or Grades A1 – A2	2 points
b) Good or Grades B3 – C6	1 point

# EARLY ADMISSIONS EXERCISE (EAE)

Secure a Place at ITE before your GCE 'N' or 'O' Levels, through your Interests and Aptitude.

01

Apply for a Course based on your Aptitude and Interests, not on your Prelim results



02

Attend an Interview/Aptitude tests, if selected



03

Receive a Conditional Offer for Admission to ITE before your GCE 'N' level exams



04

Meet the Minimum Entry Requirements of the Course and you can join ITE



Scan to view the  
ITE EAE video

# WHAT TO PREPARE



**Submit Your Application Online**

## 1. 100-word write up

- Describe your passion, talents, skills or achievements which are relevant to the *Nitec* course. (You can apply up to 3 *Nitec* courses)

## 2. Provide relevant supporting documents

- Certificates of Achievements
- Testimonials (work)
- Portfolios (if any)
- CCA records
- Others



And if you have been shortlisted...  
**Excel in Your Interview/Aptitude Test**

## Be prepared

- Bring along your supporting documents
- Demonstrate your understanding of the course and industry
- Share your passion and interests related to the course



# EAE APPLICATION PROCESS



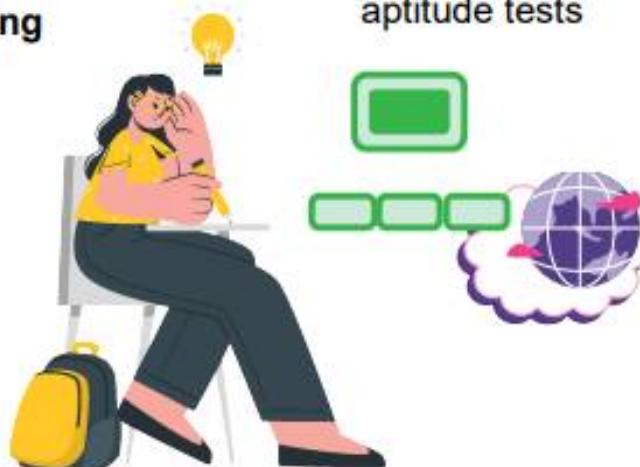
**Application  
(May to Jun 2022)**

Submit your EAE application online  
**(Write up + Supporting documents)**



**Selection & Interview  
(Jun to Jul 2022)**

Shortlisted applicants will have to undergo interviews and/or aptitude tests



**Offer & Acceptance  
(Aug 2022)**

- Conditional offer will be given to successful applicants.
- Applicants are required to **accept** the offer within a specified period
- Successful applicants will get a place in ITE as long as they meet the **minimum entry requirements** of the course in their N-level results



## FULL-TIME 2-YEAR NITEC COURSES AGGREGATE POINTS

Based on best 4 GCE N' subjects, including pre-requisites and bonus points

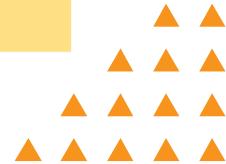
Nitec courses	Aggregate points
Business Administration (CC)	6
Business Administration (CE)	
Business Administration (CW)	
Business Services (CC)	
Fitness Training (CC)	7
Hospitality Operations (CW)	
Infocomm Technology (CC)	
Business Services (CW)	8
Aerospace Avionics (CC)	
Web Applications (CC)	

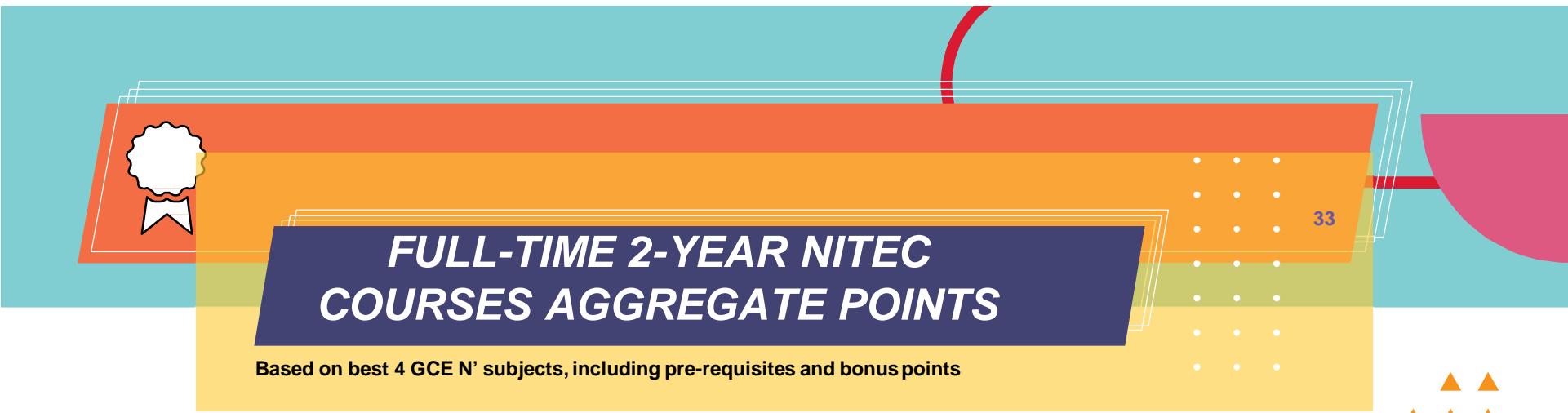


## FULL-TIME 2-YEAR NITEC COURSES AGGREGATE POINTS

Based on best 4 GCE N' subjects, including pre-requisites and bonus points

Nitec courses	Aggregate points
Retail Services (CC)	9
Business Services (CE)	
Visual Communication (CC)	
Electrical Technology (Lighting & Sound) (CW)	
Applied Food Science (CE)	
Logistics Services (CE)	10
Retail Services (CW)	
Digital Animation (CC)	11
Electronics, Computer Networking & Communications (CC)	
Video Production (CC)	
Aerospace Technology (CC)	12
Electrical Technology (Lighting & Sound) (CE)	
Chemical Process Technology (CE)	





## FULL-TIME 2-YEAR NITEC COURSES AGGREGATE POINTS

Based on best 4 GCE N' subjects, including pre-requisites and bonus points

Nitec courses	Aggregate points
Automotive Technology (CW)	
Mechanical Technology (CC)	
Security Technology (CW)	
Mechatronics & Robotics (CC)	
Travel & Tourism Services (CW)	
Nursing (CE)	
Architectural Technology (CC)	
Interior & Exhibition Design (CC)	
Electronics & Internet of Things (CC)	
Fashion Apparel Production & Design (CC)	13



## **FULL-TIME 2-YEAR NITEC COURSES AGGREGATE POINTS**

<b>Nitec courses</b>	<b>Aggregate points</b>
Retail Services (CE)	14
Fitness Training (CE)	
Opticianry (CE)	
Rapid Transit Technology (CW)	
Mechanical Technology (CW)	15
Fitness Training (CW)	
Floristry (CC)	
Pastry & Baking (CW)	
Electrical Technology (Power & Control) (CW)	
Aerospace Machining Technology (CC)	
Community Care & Social Services (CE)	
Electronics, Computer Networking & Communications (CE)	
Infocomm Technology (CW)	
Microelectronics (CC)	



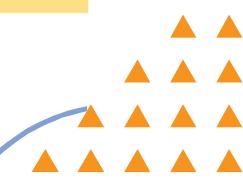
## FULL-TIME 2-YEAR NITEC COURSES AGGREGATE POINTS

Nitec courses	Aggregate points
Built Environment (Mechanical & Electrical Services) (CE)	16
Product Design (CC)	
Electrical Technology (Power & Control) (CE)	
Digital & Precision Engineering (CC)	
Electronics, Computer Networking & Communications (CW)	
Infocomm Technology (CE)	
Mechatronics & Robotics (CW)	
Mechatronics & Robotics (CC)	
Built Environment (Vertical Transportation) (CE)	17
Urban Greenery & Landscape (CE)	
Western Culinary Arts (CW)	
Web Applications (CE)	
Web Applications (CW)	

Aggregate  
points

16

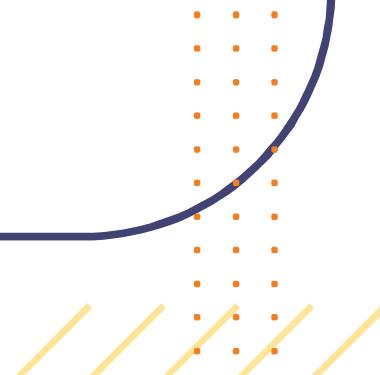
17





## **FULL-TIME 2-YEAR NITEC COURSES AGGREGATE POINTS**

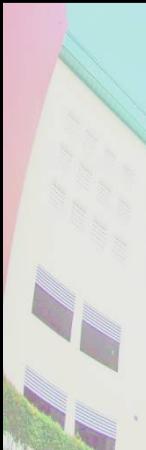
<i>Nitec courses</i>	Aggregate points
Hair Fashion & Design (CE)	18
Beauty & Wellness (CE)	19
Asian Culinary Arts (CW)	
Built Environment (Mechanical & Electrical Services (CE)	20
Mechanical Technology (CE)	





# Applied Learning Modules in ITE (ApLM@ITE)





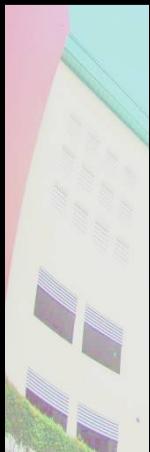
ApLM@ITE are short courses developed to broaden the learning experience of MOE students. The 22.5-hour programme (over 3 days) will:

- introduce students to some of ITE's full-time Nitec and Higher Nitec courses,
- expose them to possible educational progression and career pathways, thereby enabling them to make more informed choices upon graduating from secondary schools,
- provide students the opportunity to discover how the knowledge and skills learnt can be applied to related industries.

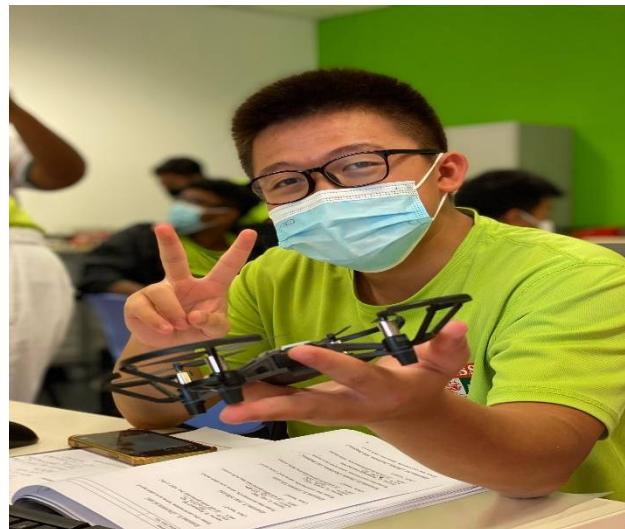




Students who attained a pass grade in the in-course assessment for the ApLM@ITE will also be awarded a Certificate of Achievement, which can be included as part of their portfolio during their application or interview for the Nitec or Higher Nitec course they hope to get.



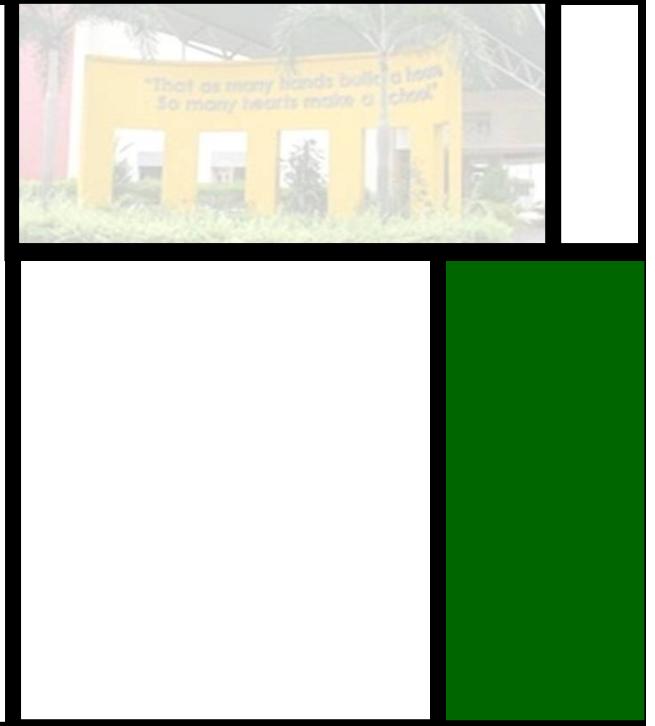
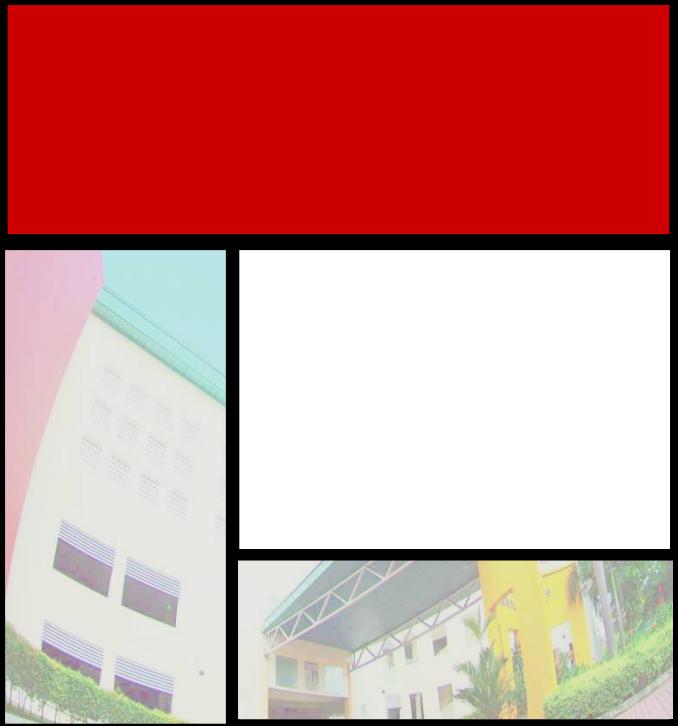






# 3 ITE Campuses





# **Sec 3 Subject Combinations 2023 For Normal Technical Stream**



# Why Subject Combination?

Sec 3 Subject Combination aims to give every Gessian the most appropriate subject combination so that he/she can develop to the best of his/her ability, interests and potential.



**GAN ENG SENG SCHOOL**  
**Possible 2023 SEC 3 NORMAL TECHNICAL SUBJECT COMBINATIONS**

	Course A	Course B	Course C	Course D
<b>Subject 1</b>	English Language	English Language	English Language	English Language
<b>Subject 2</b>	Basic Mother Tongue	Basic Mother Tongue	Basic Mother Tongue	Basic Mother Tongue
<b>Subject 3</b>	Mathematics	Mathematics	Mathematics	Mathematics
<b>Subject 4</b>	Computer Applications (CPA)	Computer Applications (CPA)	Computer Applications (CPA)	Computer Applications (CPA)
<b>Subject 5</b>	Science	Science	Science	Science
<b>Subject 6</b>	<u>Electives:</u>  Elements of Business Skills (EBS)	<u>Electives:</u>  Design & Technology (D&T)	<u>Electives:</u>  Mobile Robotics (MR)	<u>Electives:</u>  Food Studies



What was offered to students in 2022 based on students' choices while maximising school resources and manpower.

	<b>Course A</b>	<b>Course C</b>
<b>Subject 1</b>	English Language	<b>English Language</b>
<b>Subject 2</b>	Basic Mother Tongue	<b>Basic Mother Tongue</b>
<b>Subject 3</b>	Mathematics	<b>Mathematics</b>
<b>Subject 4</b>	Computer Applications (CPA)	<b>Computer Applications (CPA)</b>
<b>Subject 5</b>	Science	<b>Science</b>
<b>Subject 6</b>	<b><u>Electives:</u></b> <b>Elements of Business Skills (EBS)</b>	<b><u>Electives:</u></b> <b>Mobile Robotics (MR)</b>

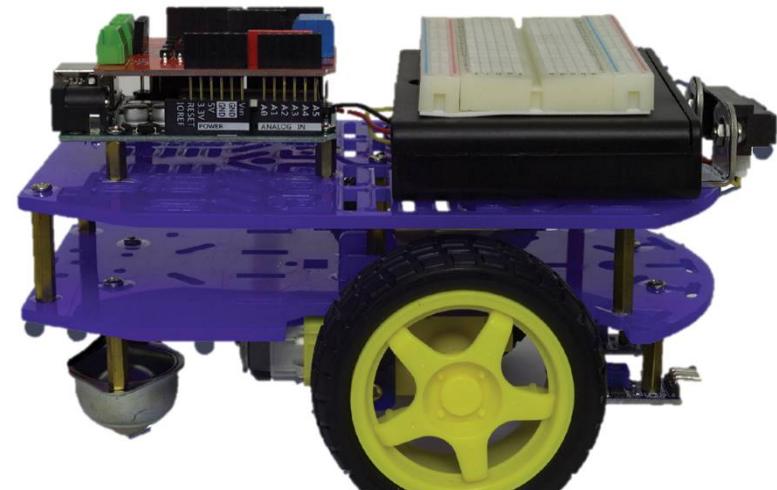




THE MOBILE ROBOT THAT  
YOU WILL BUILD  
IN YEAR 4 CAN BE  
CONFIGURED AS A LINE-  
FOLLOWER

# Mobile robotics

## moe-ite applied subject for NT STUDENTS



# What is mobile robotics?

- mobile robot is a robot that has the capability to move independently around its environment. It is not fixed to one physical location.
- Basic functional blocks of a mobile robot



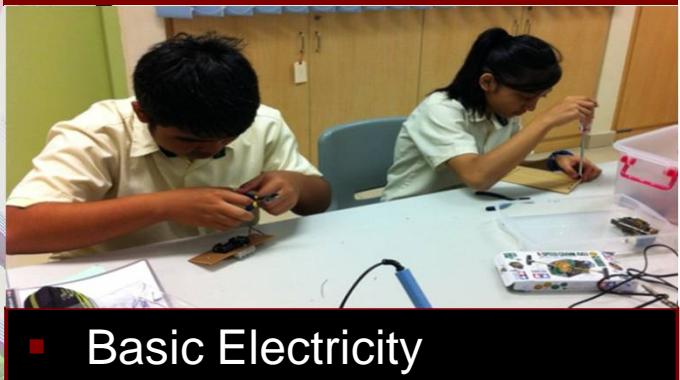
3 hrs per  
week

# Mobile Robotics (MR)



Aims to provide students with the experience of developing their own mobile robots and equip them with basic knowledge and skills in electrical, electronics, mechanical design and intelligent control.

## *Electricity and Electronics*



- Basic Electricity
- Basic and Digital Electronics

## *Robotics*



- Mobile Robotics – Introduction
- Design
- Simple Mechanism
- Material and Practical Processes
- Integration

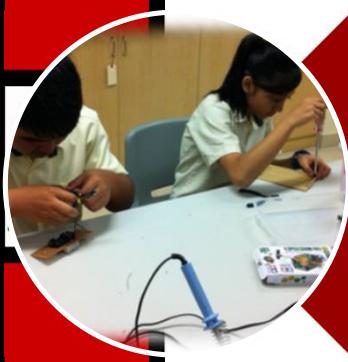
## *Related Nitec Courses*

- Mechatronics
- Rapid Transit Technology
- Mechanical Technology
- Electronics



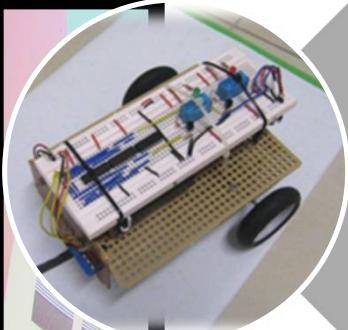
Content provided by ITE

# Mobile Robotics



## Overview

- Mobile Robotics - Introduction
- Design



## Electricity and Electronics

- Basic Electricity
- Basic and Digital Electronics
- Input-Output Device



## Robotics

- Simple Mechanism
- Material and Practical Processes
- Integration

## Assessment

Practical Assessment at End of Secondary 3 (30%)

Theory Examination (MCQ) at End of Secondary 4 (30%)

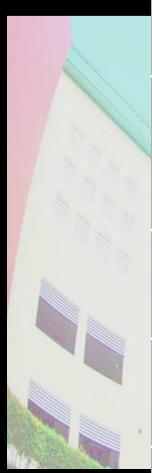
Practical Assessment at End of Secondary 4 (40%)



Content provided by ITE

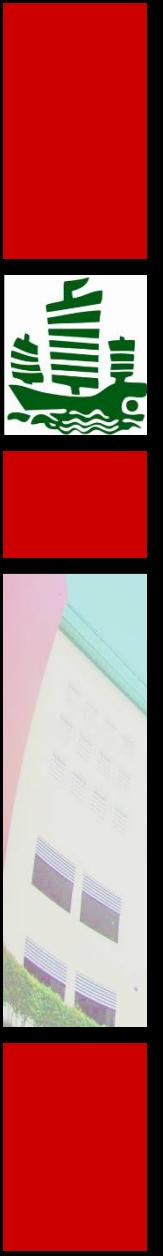


# Courses where MR can be used in lieu of NT Sci/Maths for admission

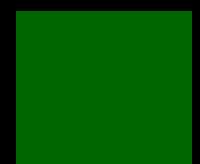
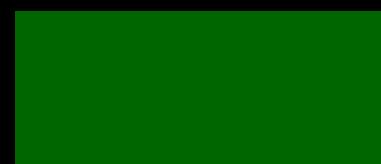
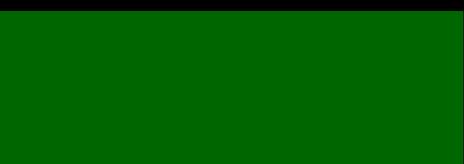


<i>Nitec Course</i>	<i>School</i>
<b>Aerospace Machining Technology</b>	School of Engineering
<b>Electronics (Broadband Technology &amp; Services)</b>	
<b>Electronics (Computer &amp; Networking)</b>	School of
<b>Electronics (Display Technology)</b>	Electronics &
<b>Electronics (Instrumentation)</b>	Info-comm
<b>Electronics (Microelectronics)</b>	Technology
<b>Electronics (Mobile Devices)</b>	





# **Elements of Business Skills (EBS)**



The EBS syllabus aims to provide students with the opportunity to **develop foundational business knowledge, employability skills and values** that are transferrable over different areas of work or the future.

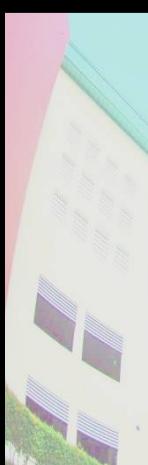


In EBS, students will be introduced to basic business concepts, focusing on marketing and customer relations in three service industries in Singapore

- **travel and tourism,**
- **hospitality and**
- **retail industries.**



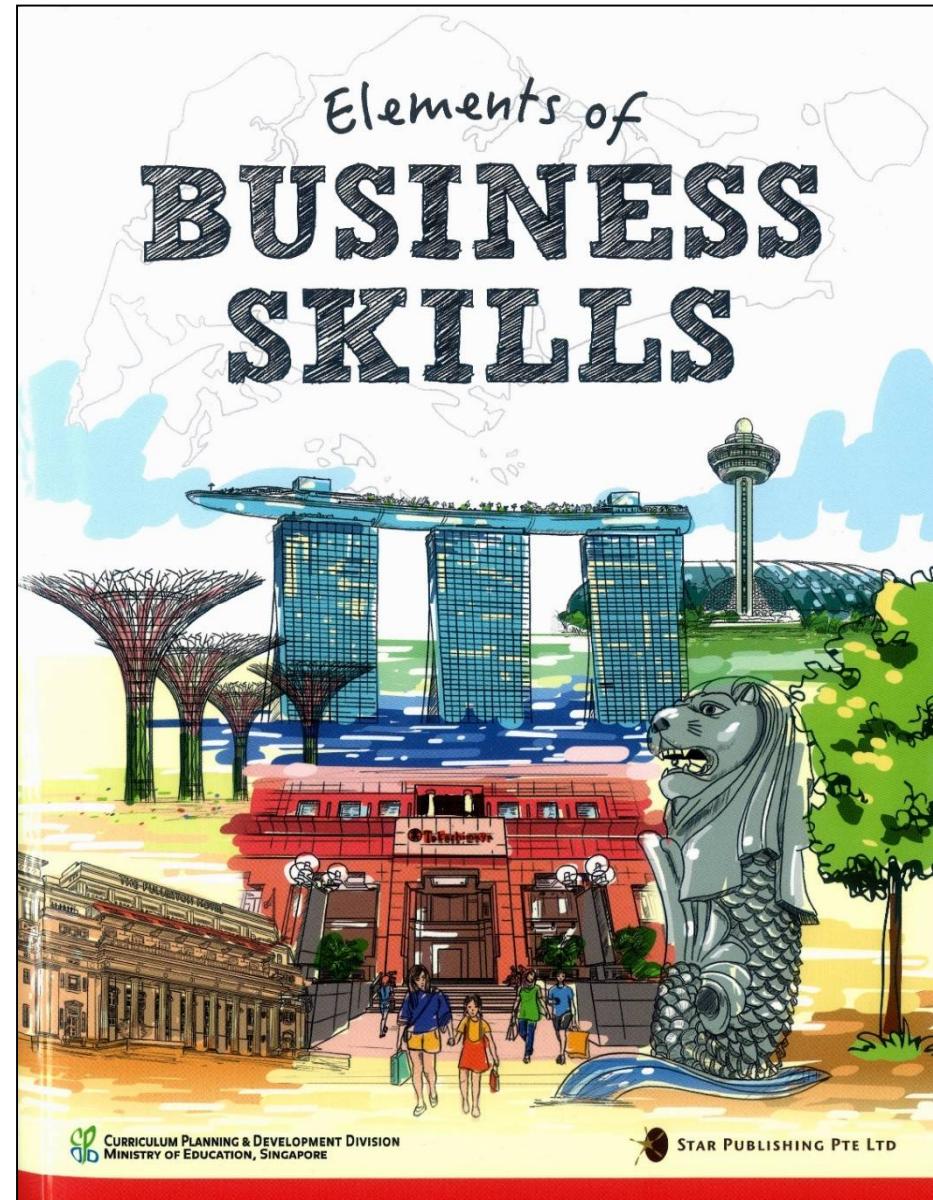
# Scheme of Assessment (7066, First Year of Examination – 2021) – N(T) Level



Paper	Description	Marks	Overall Weighting	Duration
1 Written	<p>There will be 4 compulsory questions from Units 1 to 3 of the syllabus, comprising short response and structured questions:</p> <p>(i) with helping words;</p> <p>(ii) requiring short answers, not necessarily in complete sentences.</p>	100	60%	1 hour 30 mins
2 Coursework	<p>The coursework requires candidates to conduct a business investigation, making use of content and skills acquired from Units 1 to 4 of the syllabus.</p> <p>Candidates in a class are required to choose different businesses in the selected service industry.</p> <p>A total of 20 hours must be assigned during curriculum time to facilitate the completion of the coursework.</p>	80	40%	20 hours of curriculum time over 10 to 14 weeks



# EBS Textbook



# Topics covered:

1. Introduction to business
2. Businesses in the Travel & Tourism, Hospitality and Retail industries
3. Introduction to marketing
4. The marketing mix
5. Communication with the customer
6. Customer service
7. Business investigation



# Chapter 4

## The Marketing Mix



This chapter will help you to understand:

- what the marketing mix — products, pricing, place and promotion — is; and
- how businesses in the travel and tourism, hospitality and retail industries use the marketing mix to attract their target customers.

### What Is Price?

Price refers to how much customers have to pay for a product. Pricing is an important decision because it affects how much revenue a business earns, which in turn determines how much profit the business can make.

Different businesses have different names for the price of their products:

- airlines charge airfares;
- hotels post room rates; and
- landlords collect rent.

### How to Price?

When deciding on the right price, a business needs to consider the 3Cs of pricing. The price set for a product lies somewhere between the cost of a product and how much customers are willing to pay for it.

#### Costs

Cost refers to the amount of money a business pays to buy or produce its products. This includes material costs, rental costs, staff salaries and promotion expenses.

Products are usually priced above costs to make profits.

#### Customers

A business can price its products according to how much its target customers are willing to pay. In general, if the price is high, there will be fewer customers. For example, more customers will be willing to pay \$10 for a bottle of shampoo, but fewer customers will be willing to pay \$18 for a similar product.

However, for certain target markets, customers are willing to pay more for products that they consider more valuable to them. For example, guests are willing to pay more for dinner at a fine-dining restaurant to have an exquisite dining experience.



▲ Fig 4.7 Fine-dining restaurants offer beautiful ambience and exquisite food.

# Chapter 6

## Customer Service



This chapter will help you to understand:

- the importance of quality customer service in the service industry;
- ways to provide quality customer service at various points of customer interaction;
- the importance of after-sales service; and
- the importance of service recovery to maintain good customer relations.

FEEDBACK FORM

## Product Knowledge in the Service Industries

Product knowledge refers to knowledge a service staff has of a product's features and benefits. In order to provide quality customer service, it is essential for the service staff to have good product knowledge. Service staff with good product knowledge will be able to meet the needs and wants of customers and increase customer satisfaction so that they will want to come back again.

Here are some examples of what product knowledge means in the service industries:

Travel and Tourism Industry



Product knowledge of a Singapore-based tour guide may include:

- ability to plan a customised itinerary;
- knowledge of Singapore's history and cultural heritage;
- latest information about the attractions, events and activities in Singapore; and
- ways to adapt commentaries to meet the profile of visitors.

Hospitality Industry



Product knowledge of a waiter may include:

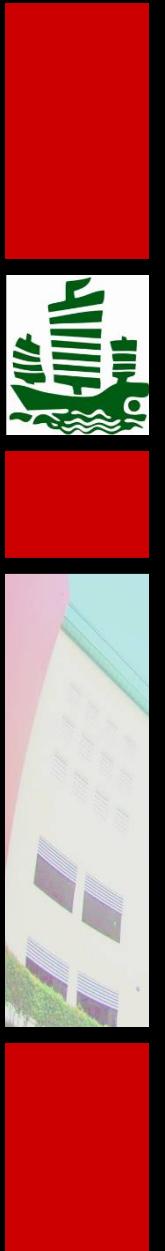
- ability to recommend dishes from a menu;
- good knowledge of the items available on a menu;
- information on current promotions;
- knowledge of how a dish is prepared;
- types of food available at different meal times; and
- information on other services such as delivery and catering services.

Retail Industry



Product knowledge of a sales assistant may include:

- a product's features;
- a product's benefits;
- how to care for the product;
- what the product is made of;
- how and where the product was made or assembled; and
- after-sales service.



# Possible career pathways

EBS will give students a good headstart if they are interested in pursuing a career in Singapore's retail, travel & tourism & hospitality industries.

Related ITE courses:

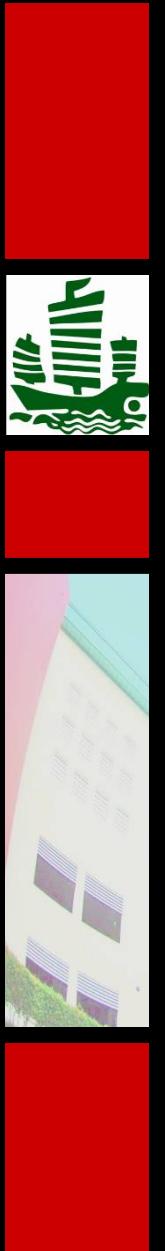
- Nitec in Retail Services
- Nitec in Travel & Tourism Services
- Nitec in Hospitality Operations



# **EBS is suitable for students who**

- Have a keen interest in business theories and concepts,
- Willing to memorise these theories and concepts,
- Takes initiative to research (online & offline) and investigate businesses,
- Possesses good writing skills to analyse/evaluate existing businesses and write proposals to improve the businesses.





# Food Studies



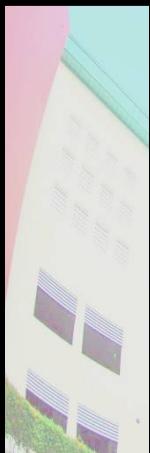
# Content Overview

- Meal planning and Meal analysis
  - Balanced diet
  - Basic nutrition
- Food Management
  - Sensory evaluation
  - Food safety and hygieneDemonstration of cooking methods
- Food commodities
  - Study of main food commodities
  - Demonstration of suitable preparation and cooking practices



# N(T) Level Assessment

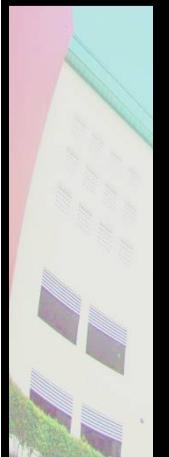
## Subject code: 6079



Paper	Duration No. of pages	Total	Format
1: Written paper	1.5 hours	40%	Section A: Short-answer type questions (20m) Section B: Data response type questions (28m) Section C: Structured-type questions (32m)
2: Coursework (Report)	35 hours 16 pages	60%	Background study (6m) Exploration (6m) Decision making (6m) Planning (12m) Execution (30m) Evaluation (6m)



# Related Nitec courses



Nitec Course	College
Applied Food Science	East – Simei
Asian Culinary Arts	West – Choa Chu Kang
Western Culinary Arts	West – Choa Chu Kang
Hospitality Operations	West – Choa Chu Kang
Pastry and Baking	West – Choa Chu Kang



# Which Subject Combination?



In selecting the subject combination for your child/ward, the following should be taken into consideration:

- Understanding future post-secondary options
- Realistic expectations of your child's/ward's ability to cope with the demands of the course
- Consider child's/ward's needs, interest, preferences and well-being



## Promotional Criteria for Sec 2 NT



- Promotion to Sec 3NT  
Pass ( Grade D or better overall grade ) in two subjects, one of which must be English Language or Mathematics
- Lateral Transfer to Sec 2 NA  
Minimum of 70% in the overall percentage of all subjects combined



# Basis Of Sec 3 Subject Allocation Exercise

Subject allocation is based on:

- **Merit** (student's overall performance for 2022)

**WA1+MYE+WA2+ AA+EYE**

Term 1	Term 2	Term 3	Term 4
WA 1 (5%)	WA 2 (5%) MYE (20%)	WA 3 1(10%)	AA (10%) EYE (50%)

- Stipulated Criteria for each course
- Student's option
- Resource and Staffing



# Timeline for Sec 3 (2023) Subject Allocation

<b>08 April</b>	Meet-the-Parent Session  <u>Objective:</u> Communicate to students and their parents on subject combinations for 2023.
<b>26 May</b>	Release of Report Book after Mid-Year Exam & Student Interest Survey (Form SG)  <u>Objective:</u> Allow the students and parents to know their strengths and areas for growth so that students can work on the targeted area(s) to meet the requirements of their desired course.
<b>20 October</b>	Release of Report Book after End of Year Exam and Option Exercise (Form SG)  <u>Objective:</u> Allow students to select their desired course based on their overall academic performance and school's available resources.
<b>08 November</b>	Release of results for Sec 3 2023 Subject Allocation Exercise
<b>By 11 November</b>	Submission of and Processing Appeal Forms

# A Gessian Story...



**SINGAPORE**

**THE STRAITS TIMES**

**ST** SINGAPORE POLITICS ASIA WORLD VIDEOS MULTIMEDIA LIFESTYLE FOOD FORUM OPINION BUSINESS SPORT MORE ▾

RISING

Rising above adversity to become a maths whizz and top student



The right of her parents working hard and the encouragement of her form teacher earned Ms Aanchal Gurinder Singh to work hard and excel in her studies, and she has recently won a gold medal at the Singapore International Mathematics Competition.

© PUBLISHED: 09/01/2020, 01:00 AM (SST)

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It's an excellent idea.

It's an excellent idea.

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This article was published in The Straits Times on January 9, 2020, and can be found at <https://www.straitstimes.com/singapore/rising-above-adversity-to-become-a-maths-whizz-and-top-student>.



# In Summary

1. Know your child's strengths and potentials
2. Continue to emphasise the need to perform well holistically
3. Complement school's efforts in establishing good study habits.
4. Every subject is a good subject.
5. There will be success when the choice is right for your child.





ONWARD!



