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**EA** 

# Journal

**JUNE 2025 | ISSUE #33**



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**EVERSAFE ACADEMY**®  
Steps To Success



**SHARE YOUR KNOWLEDGE.**

**IT'S A WAY TO ACHIEVE IMMORTALITY. –DALAI LAMA**

Dear Esteemed Readers,

Greetings from Eversafe Academy!

We are delighted to present the 33rd Edition of the Eversafe Academy Journal, where we continue to share the latest updates, initiatives, and achievements within our academy and across the industry. In this edition, we feature several significant milestones – from the launch of new national frameworks to our growing list of ISO certifications, community outreach efforts, and academic partnerships in progress. As we stay committed to quality, safety, innovation, and social responsibility, we invite you to take a moment to go through these highlights and be part of our collective progress.

## 1. DPTM CERTIFICATION

We are pleased to inform you that Eversafe Academy has successfully attained the Data Protection Trustmark (DPTM) certification, an enterprise-wide certification in Singapore developed by the Infocom Media Development Authority (IMDA) and the Personal Data Protection Commission (PDPC), with validity from 20 June 2025 to 19 June 2028.

This accomplishment reflects our ongoing commitment to upholding high standards in Accountable Data Protection Practices and regulatory compliance demonstrating robust policies, processes, and practices in place to protect personal data.

We would like to extend our sincere appreciation to IMDA and GIC, the certification body, for their guidance and support throughout this process.

We also extend our appreciation to everyone who continuously adheres to the importance of stringent data protection protocols and practices. Your commitment has directly contributed to this accomplishment.

Let's continue to uphold the Personal Data Protection Act (PDPA) and strengthen these data protection standards of DPTM together.



# MD'S MESSAGE

## 2. ISO 55001 AMS CERTIFICATION INITIATIVE

We are pleased to share that Eversafe Academy has embarked on the journey to attain ISO 55001 certification for Asset Management System (AMS). This marks yet another milestone in our continuous commitment to strengthening operational excellence and aligning with internationally recognised standards.

The implementation of ISO 55001 will enable us to manage our physical and intangible assets more effectively, improve organisational performance, and deliver enhanced value to all our stakeholders.

This initiative adds to the existing suite of ISO certifications we have achieved, reflecting our dedication to quality, safety, sustainability, and operational efficiency. We look forward to updating you on the progress of this certification in our future journals.



## 3. ENHANCED R1 FRAMEWORK

The Government continues to review the Process Sector's R1 Framework to uplift the sector's workforce quality and reduce reliance on manpower. The Enhanced R1 framework has been announced and will be implemented on 1 Jan 2026.

To get the R1 levy rate, existing workers in the process sector must meet one of these criteria by 31 December 2025:

- **SKILLS QUALIFICATIONS AND SALARY**
- **SKILLS QUALIFICATIONS AND EXPERIENCE**
- **SKILLS QUALIFICATIONS AND WORKING IN A COMPANY WITH PRODUCTIVITY CERTIFICATION FRAMEWORK (PCF) RATING OF AT LEAST BRONZE**

# MD'S MESSAGE

Existing workers with R1 status will be automatically adjusted to the R2 (basic-skilled) levy tier if they cannot meet the Enhanced R1 framework requirements by 31 December 2025. Depending on the nationality of your affected workers, the difference in levy rate is between \$250 and \$350 per worker per month. To get more information related to this, click the link

<https://www.mom.gov.sg/faq/work-permit-for-foreign-worker/what-are-the-new-r1-requirements-for-process-sector-workers-from-1-jan-2026>

## 4. Launch of WSH Campaign 2025 Videos

We are pleased to share one of the video clips shared by WSHC for this year's WSH Campaign, titled "Mother".

Through this video link, <http://taketimetotakecare.sg> we hope to remind everyone that workers are more than the roles they undertake at work - they are also someone's spouse, parent, or sibling. When a mishap strikes, it's not only the worker's life at risk; it also impacts the lives of their loved ones.

To ensure that this message reaches as many employers, supervisors, and workers, Eversafe Academy share the video link to our esteemed readers through this EA Journal editions. You can also share this video to as many you can and be part of a community initiative taken by WSHC.



## 5. Awareness posters for crime

The Singapore Police Force (SPF) would like to share with all students on the crime prevention advisory and infographic regarding physical crimes, scams and anti-unlicensed money lending activities.

This infographic is intended for Private Education Institutions' (PEIs) display and dissemination to students, serving as a reminder for students to refrain from criminal activities.

We have included the same infographic in this journal for the benefit of all our readers. We encourage everyone to read and understand the advisory carefully – so we remain informed, avoid becoming victims, and steer clear of any unauthorized or illegal activities.

Let's continue to look out for one another and uphold a safe and responsible community.

**STAY CRIME-FREE: PROTECT YOUR FUTURE**  
A criminal record may severely impact your entry and job prospects in Singapore. Be aware of these common offences:

**Shop Theft**  
Shop theft is a serious offence.  
➤ Always pay for your items before leaving the store.  
➤ Encouraging or challenging others to steal is also an offence (abetment). You can be liable for shop theft with common intention, even if you did not physically take the item yourself.  
➤ Most all retail shops and supermarkets have CCTV cameras in their premises and even if you are not caught when walking out of the store with the stolen items, you will be caught eventually.

Offenders found guilty shall be punished with imprisonment for up to 7 years and shall also be liable to fine.

**Molestation (Outrage of Modesty)**  
Molestation is a serious offence.  
➤ Respect others' personal spaces and boundaries.  
➤ Touching someone inappropriately without consent is a terrifying and traumatizing experience for the victims. It is a serious offence to do so.

Offenders found guilty shall be punished with imprisonment for up to 3 years, a fine, caning, or any combination of these punishments.

**Forgery**  
Forgery is a serious offence.  
➤ Never alter or create fake documents whether digital or physical (e.g., IDs, passes, certificates).  
➤ With advanced verification technologies, you will be detected.

Offenders found guilty of forgery shall be punished with imprisonment for up to 10 years and shall also be liable to fine.

**Unlicensed Moneylending (UML)**  
➤ Do not borrow money from unlicensed moneylenders. Borrowing from unlicensed moneylenders is dangerous due to their aggressive and illegal debt collection methods, which will persist even after debts are settled.  
➤ Don't engage in unlicensed moneylending activities. Unlicensed moneylenders may recruit persons through social media platforms such as Telegram to assist them in harassing borrowers under the disguise of quick money-making opportunities. Persons recruited are often asked to carry out the below (illegal) activities to help the unlicensed moneylenders to harass borrowers:  
Ceding control of bank accounts/SIM cards; Damaging and defacing properties; or  
Making monetary transactions; Locking up residences with chains/locks.

The Police have zero tolerance against UML harassment activities. Those who vandalise properties, cause annoyance and disruption to public safety, and security, will be arrested and charged under Singapore's laws.

Offenders found guilty shall face a fine of up to \$300,000 and imprisonment for up to 5 years.

For more information on the list of licensed moneylenders, how to protect yourself from unlicensed moneylenders, and where you can report UML activities, visit:  
<https://go.gov.sg/spf-uml>

**Remember: Crime does not pay. You will face the full brunt of the law if you commit crime.**

**SINGAPORE POLICE FORCE**  
SAFEGUARDING EVERY DAY

# MD'S MESSAGE

## BEWARE OF SCAMS TARGETING STUDENTS

**Government officials will NEVER do these over a phone call:**

- Ask you to transfer money
- Transfer your call to the Police
- Ask you to disclose bank log-in details
- Ask you to install mobile apps from unofficial app stores

If you receive an SMS from the government, make sure it is sent from the gov.sg SMS sender ID.

If you intend to rent a room/apartment, never pay a upfront deposit to view the property and ensure the agent's mobile number is officially registered on the Council for Estate Agencies' (CEA) Public Register. Visit the CEA website at go.gov.sg/rental-scams for more information on staying safe from rental scams.

If you are unsure if something is a scam, call and check with the 24/7 ScamShield helpline at 1799.

Remember, do not transfer any money, and stop the call immediately to verify directly with the government agency.

Scan to Download the ScamShield App

Scan and follow the ScamShield Alert social channel on WhatsApp to receive the latest information on scams in Singapore and visit ScamShield.gov.sg to learn more.

### Do Not Be A Money Mule!

- A money mule is someone who allows criminals to:
  - Control their banks or other payment accounts.
  - Allows his/her accounts to receive or transfer monies under the criminal's instructions.
- Our payment accounts like bank accounts, are for our own use only
  - Do not disclose your payment account/credentials to anyone else.
  - Do not let anyone else access, operate or control your payment accounts.
  - Do not receive or transfer money for anyone else using your payment accounts, unless you know him/her and know where he/she is.

Offenders found guilty for an offence under the Corruption, Drug Trafficking and Other Serious Crimes (Confiscation of Benefits) Act (COSCA) shall be liable for a fine of up to \$200,000, imprisonment of up to 9 years, or both.

### Don't be a SIM Card Criminal!

- A SIM card criminal is someone who misuses their eSIM/SIM Card by doing the following without a legitimate reason:
  - Selling SIM cards
  - Helping others register SIM cards
  - Allowing others to use their SIM cards
  - Hiding onto multiple SIM cards

Your SIM card is for your own use only. Offenders face up to \$10,000 in fines, up to 3 years' jail, or both.

Do your part by safeguarding your SIM cards and personal particulars. Do not pass or sell your local SIM cards to others or allow your personal particulars to be used by another person to register for SIM cards.

Learn more: [www.go.gov.sg/misuse-of-sim-cards](http://www.go.gov.sg/misuse-of-sim-cards)

**SINGAPORE POLICE FORCE**  
SAFELY AND HONORABLY EVERY DAY

## PROTECT YOURSELF

You do not need to be a victim of crime

Remember: Your safety is in your hands. Stay vigilant and take proactive steps to protect yourself and your community.

### Safe Guard Your Belongings

- Never leave items unattended, even briefly.
- Keep valuables secure and out of sight.

### Stay Alert

- Be aware of your surroundings at all times.
- If you spot any suspicious persons or situations, report to the Police immediately.

### Report Sexual Crimes

- If you or someone you know is a victim, act immediately.
- Tell a trusted adult and report to the police without delay.

### Be Scam-Smart

- Never disclose your personal and banking information, including one-time passwords (OTPs) to anyone.
- Always check directly with the government agency or company to verify the authenticity of unsolicited requests.

### Crime Prevention

Deal '999' only for emergencies requiring immediate Police response.

For all other Police matters, please use alternative channels such as the non-emergency Police hotline at 1800 255 0000.

You may also submit information online at [www.police.gov.sg/feedback](http://www.police.gov.sg/feedback)

For more information, visit:

- [www.police.gov.sg](http://www.police.gov.sg)
- [singaporepoliceforce](https://www.facebook.com/singaporepoliceforce)
- [www.npc.org.sg](http://www.npc.org.sg)

**SINGAPORE POLICE FORCE**  
SAFELY AND HONORABLY EVERY DAY

## 6. Academic Partnerships in Progress

As part of our continuous efforts to enhance education progression opportunities for our students, Eversafe Academy is working towards establishing an academic partnership with a reputable university from the USA. This collaboration aims to create a clear pathway for our Diploma and Advanced Diploma students to pursue Bachelor's and Master's degree programs, while offering prospective students a structured academic progression plan.

We were pleased to host a key representative from the university, who visited us on 12th and 13th June 2025 to discuss the partnership framework. Following these productive meetings, the formal process has been initiated with regulatory bodies in Singapore and USA.

We look forward to updating you on the progress of this collaboration in our upcoming journals. Stay tuned for further developments.



# MD'S MESSAGE

## 7. Visit to SUNLOVE Abode for Intellectually Infirm Ltd

As part of our ongoing commitment to community care and social responsibility, Eversafe Academy recently organised a visit to **Sunlove Abode on 20 June 2025**. During the visit, our team had the opportunity to spend meaningful time with the residents, bringing smiles and warmth to their day.

As a gesture of care, we also sponsored a special meal for the residents, which was warmly received and deeply appreciated. It was a truly heartwarming experience for everyone involved, reminding us of the value of compassion, kindness, and community connection.

We extend our sincere thanks to the management and staff of Sunlove for their gracious hospitality, and we look forward to supporting more such initiatives in the future.

## Conclusion:

As we conclude this edition, we are proud to reflect on the collective progress and meaningful initiatives taking place at Eversafe Academy. From regulatory readiness and new academic opportunities to certifications and social outreach, every step reinforces our commitment to Quality, Safety, Community Care, and Educational Advancement.

Thank you for staying connected with us – we look forward to sharing more exciting developments in the 34th Edition of our EA Journal.



***Stay safe, stay committed,  
and keep learning!***

**WARM  
REGARDS**

**R. MURUGESH**  
(MANAGING DIRECTOR)  
EVERSAFE ACADEMY PTE LTD



# FEATURES & HIGHLIGHTS

Our EA Safety Committee was created comprising of EA Management and selected highly experienced WSH Trainers with a focus on the daily safety surveillance and safety reviews of our 4 training branches. May month meeting was conducted on 23 May 2025 at our Joo Koon location.

The meeting was headed by our Managing Director Mr. Murugesh along with the 11 other members.



# FEATURES & HIGHLIGHTS

EVERSAFE ACADEMY  
CONDUCTED WORKSHOP ON  
“EXTRACURRICULAR  
ACTIVITIES”  
“LEADERSHIP SKILLS” ON  
31ST MAY 2025 WITH 171  
MEMBERS.



EVERSAFE ACADEMY  
HAD CONDUCTED “FREE  
SPOKEN ENGLISH”  
CLASS ON MAY MONTH,  
13 STUDENTS GOT  
BENEFITED.



Eversafe Academy Conducted **Hari Raya Haji** special classes on **06th June 2025, 07th June 2025, 08th June 2025 and 09th June 2025**, many students got benefited.

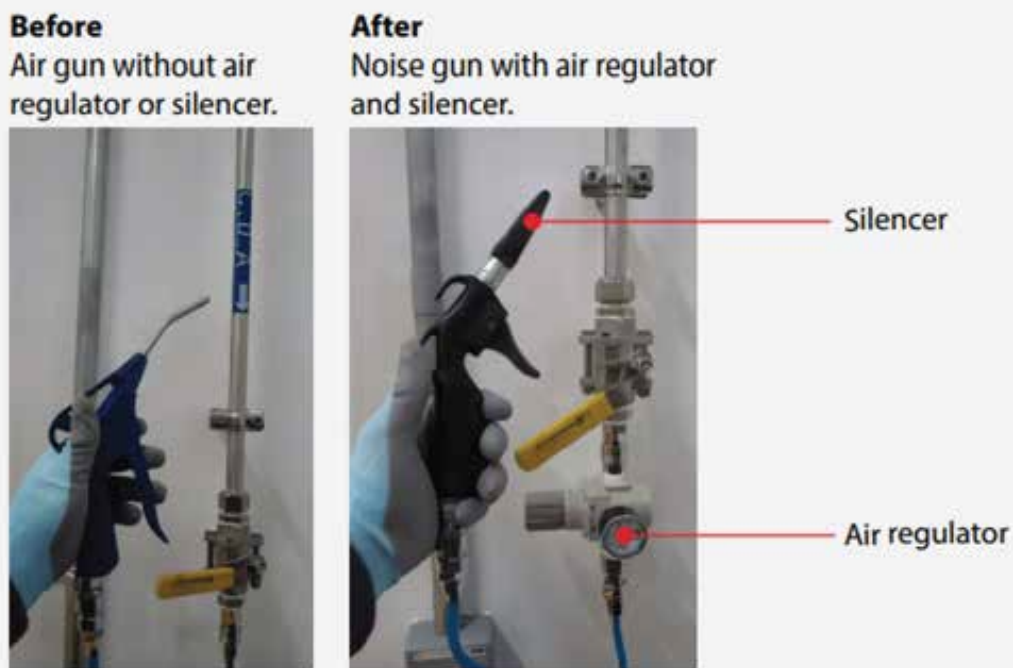
## Best Practices in Workplace Safety and Health (WSH) for Noise Control

Industrial noise exposure has been a persistent occupational health concern. Engineering control is preferred over administrative and personal protective equipment (PPE) approaches because it targets the hazard directly. The Good WSH Practices for Noise Control case studies emphasize practical modifications and investments made by companies to protect workers from excessive noise, showing clear reductions in decibel levels.

## NOISE CONTROL AT THE SOURCE

### Regulator for Industrial Air Guns

Air guns are commonly used for cleaning and drying. Without regulation, compressed air release generates noise levels up to 120 dB(A). The installation of air regulators and silencers significantly reduced the noise level to 80 dB(A), a decrease of approximately 40 dB(A). This case illustrates a simple yet impactful intervention. (WSH Council, Good WSH Practices for Noise Control, p. 2).



Source:

<https://www.tal.sg/wshc/-/media/tal/wshc/resources/publications/checklists-and-articles/files/good-wsh-practices-for-noise-control.ashx>

## INSULATED MOTOR BEARINGS IN BOOSTER PUMPS

Motor-induced electrical erosion often leads to bearing damage, which increases mechanical vibration and noise. The use of insulated bearings in booster pumps reduced noise levels from 76.4 dB(A) to 68.8 dB(A). This approach demonstrates how addressing root mechanical causes (e.g., current leakage) can yield long-term noise reduction and equipment longevity (WSH Council, *Good WSH Practices for Noise Control*, p. 3).

## RUBBER MODIFICATIONS IN SKIP BINS AND FEEDING TRACKS

Dropping metallic objects into empty bins creates sharp noise bursts. Rubber mats in skip bins and on feeding tracks helped absorb sound and reduce vibrations, bringing noise levels down by 8–11 dB(A). For instance, in feeding tracks, noise dropped from 96 dB(A) to 85 dB(A). These passive controls are effective, affordable, and easily maintained (WSH Council, *Good WSH Practices for Noise Control*, pp. 4–6).

### Noise Control Along the Path Enclosures and Acoustic Barriers



A dominant strategy for path-level control is the use of physical barriers. For example, enclosing a ball mill machine with a stainless-steel box lined with polyurethane foam reduced noise levels from 100–105 dB(A) to 80 dB(A) (WSH Council, *Good WSH Practices for Noise Control*, p. 9). Similarly, an acrylic enclosure around an automatic PCB cutting machine reduced noise by 6 dB(A). The use of acoustically absorbent materials within enclosures is key to achieving greater attenuation.

## AUTOMATED AND ISOLATED WORKSPACES

Automation provides a dual benefit: reducing worker exposure and ensuring consistent operations. A notable case is the automated blasting and painting room that replaced manual operations in enclosed booths. Noise levels dropped from 112–119 dB(A) to 75.4–82 dB(A) outside the room (WSH Council, *Good WSH Practices for Noise Control*, p. 7). This also demonstrates the value of process redesign in WSH improvements.

## GENERATOR ROOM AND ADMINISTRATIVE SEPARATION

Locating noisy machinery in enclosed spaces (e.g., generator rooms) and using partitions to separate workspaces can substantially reduce ambient noise for adjacent workers. A partition lowered administrative exposure from 96.6 dB(A) to 86 dB(A) while a generator room setup brought noise down from 103 dB(A) to 80 dB(A) (WSH Council, *Good WSH Practices for Noise Control*, pp. 8, 12).

## DISCUSSION AND EVALUATION

### EFFECTIVENESS AND MEASURABLE OUTCOMES

The interventions outlined achieved noise reductions ranging from 5 to 40 dB(A). Such reductions are not only statistically significant but also translate into real-world health benefits, including reduced risk of permanent hearing loss.

### REPLICABILITY AND COST IMPLICATIONS

Most interventions used standard materials (rubber, foam, acrylic), making them replicable across diverse sectors. While some, like full automation, require capital investment, many others can be implemented at a relatively low cost.

### INTEGRATION WITH OTHER WSH STRATEGIES



Noise control should be viewed as part of a broader WSH strategy, complementing measures like PPE usage, hearing surveillance, and administrative controls. Engineering controls, as highlighted in these case studies, represent the highest level in the hierarchy of hazard control.



The case studies provided in Good WSH Practices for Noise Control serve as a valuable reference for industries seeking to improve occupational noise environments. These practices align with sustainable safety management and can be adapted for wider application in workplaces striving for excellence in health and safety.

## References

Workplace Safety and Health (WSH) Council. Good WSH Practices for Noise Control.

<https://www.tal.sg/wshc/-/media/tal/wshc/resources/publications/checklists-and-articles/files/good-wsh-practices-for-noise-control.ashx>

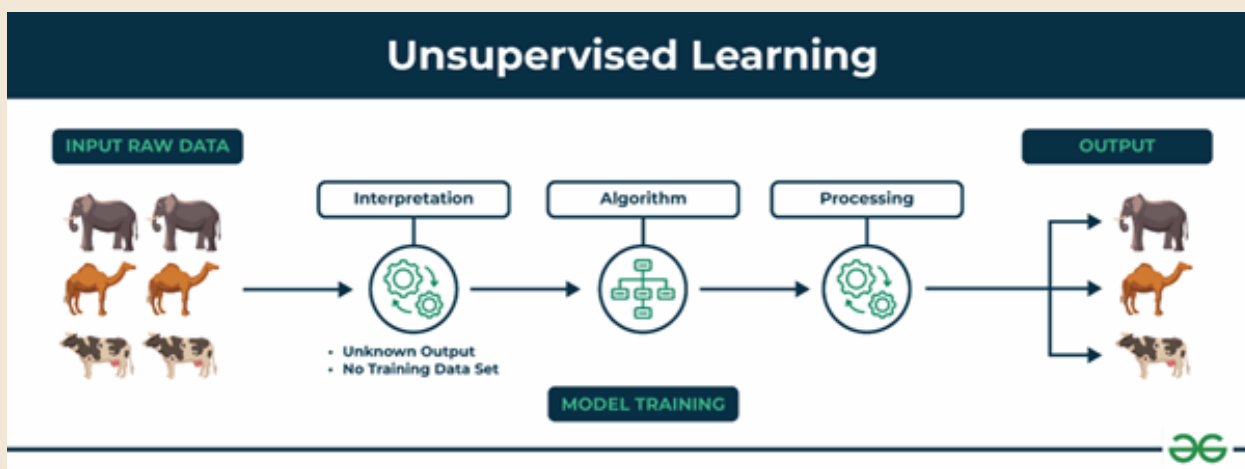
[https://www.tal.sg/wshc/-/media/tal/wshc/resources/publications/guides-and-handbooks/files/workers\\_safety\\_handbook\\_working\\_in\\_noisy\\_environment.ashx](https://www.tal.sg/wshc/-/media/tal/wshc/resources/publications/guides-and-handbooks/files/workers_safety_handbook_working_in_noisy_environment.ashx)



**Thanikachalam Rameshkumar**  
Head – Academic Department  
Eversafe Academy

# MACHINE LEARNING-SUPERVISED & UN SUPERVISED

Unsupervised learning is a branch of machine learning that deals with unlabelled data. Unlike supervised learning, where the data is labelled with a specific category or outcome, unsupervised learning algorithms are tasked with finding patterns and relationships within the data without any prior knowledge of the data's meaning. Unsupervised machine learning algorithms find hidden patterns and data without any human intervention, i.e., we don't give output to our model. The training model has only input parameter values and discovers the groups or patterns on its own.



## UNSUPERVISED LEARNING

The image shows set of animals: elephants, camels, and cows that represents raw data that the unsupervised learning algorithm will process.

- The "Interpretation" stage signifies that the algorithm doesn't have predefined labels or categories for the data. It needs to figure out how to group or organize the data based on inherent patterns.
- Algorithm represents the core of unsupervised learning process using techniques like clustering, dimensionality reduction, or anomaly detection to identify patterns and structures in the data.
- Processing stage shows the algorithm working on the data.

The output shows the results of the unsupervised learning process. In this case, the algorithm might have grouped the animals into clusters based on their species (elephants, camels, cows).

## HOW DOES UNSUPERVISED LEARNING WORK?

Unsupervised learning works by analyzing unlabeled data to identify patterns and relationships. The data is not labeled with any predefined categories or outcomes, so the algorithm must find these patterns and relationships on its own. This can be a challenging task, but it can also be very rewarding, as it can reveal insights into the data that would not be apparent from a labeled dataset.

Data-set in Figure A is Mall data that contains information about its clients that subscribe to them. Once subscribed they are provided a membership card and the mall has complete information about the customer and his/her every purchase. Now using this data and unsupervised learning techniques, the mall can easily group clients based on the parameters we are feeding in.

CustomerID	Genre	Age	Annual Income (k\$)	Spending Score (1-100)
1	Male	19	15	39
2	Male	21	15	81
3	Female	20	16	6
4	Female	23	16	77
5	Female	31	17	40
6	Female	22	17	76
7	Female	35	18	6
8	Female	23	18	94
9	Male	64	19	3
10	Female	30	19	72
11	Male	67	19	14
12	Female	35	19	99
13	Female	58	20	15
14	Female	24	20	77
15	Male	37	20	13
16	Male	22	20	79
17	Female	35	21	35

Figure A

## THE INPUT TO THE UNSUPERVISED LEARNING MODELS IS AS FOLLOWS:

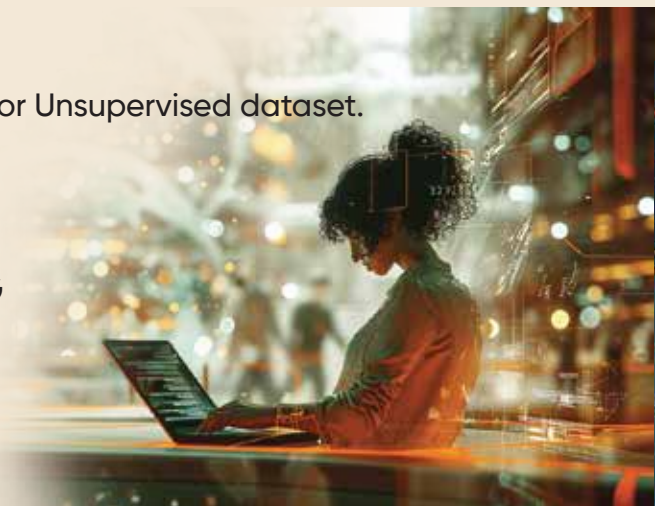
The image shows set of animals: elephants, camels, and cows that represents raw data that the unsupervised learning algorithm will process.

- **Unstructured data:** May contain noisy(meaningless) data, missing values, or unknown data
- **Unlabeled data:** Data only contains a value for input parameters; there is no targeted value(output). It is easy to collect as compared to the labeled one in the Supervised approach.

## UNSUPERVISED LEARNING ALGORITHMS

There are mainly 3 types of Algorithms which are used for Unsupervised dataset.

- **CLUSTERING**
- **ASSOCIATION RULE LEARNING**
- **DIMENSIONALITY REDUCTION**



## 1. CLUSTERING ALGORITHMS

Clustering in unsupervised machine learning is the process of grouping unlabeled data into clusters based on their similarities. The goal of clustering is to identify patterns and relationships in the data without any prior knowledge of the data's meaning.

Broadly this technique is applied to group data based on different patterns, such as similarities or differences, our machine model finds. These algorithms are used to process raw, unclassified data objects into groups. For example, in the above figure, we have not given output parameter values, so this technique will be used to group clients based on the input parameters provided by our data.

## SOME COMMON CLUSTERING ALGORITHMS:

Clustering in unsupervised machine learning is the process of grouping unlabeled data into clusters based on their similarities. The goal of clustering is to identify patterns and relationships in the data without any prior knowledge of the data's meaning.

Broadly this technique is applied to group data based on different patterns, such as similarities or differences, our machine model finds. These algorithms are used to process raw, unclassified data objects into groups. For example, in the above figure, we have not given output parameter values, so this technique will be used to group clients based on the input parameters provided by our data.

- **K-means Clustering:** Groups data into K clusters based on how close the points are to each other.
- **Hierarchical Clustering:** Creates clusters by building a tree step-by-step, either merging or splitting groups.
- **Density-Based Clustering (DBSCAN):** Finds clusters in dense areas and treats scattered points as noise.
- **Mean-Shift Clustering:** Discovers clusters by moving points toward the most crowded areas.
- **Spectral Clustering:** Groups data by analysing connections between points using graphs.



## 2. ASSOCIATION RULE LEARNING

Association rule learning is also known as association rule mining is a common technique used to discover associations in unsupervised machine learning. This technique is a rule-based ML technique that finds out some very useful relations between parameters of a large data set. This technique is basically used for market basket analysis that helps to better understand the relationship between different products.

For e.g. shopping stores use algorithms based on this technique to find out the relationship between the sale of one product w.r.t to another's sales based on customer behaviour.

# LIKE IF A CUSTOMER BUYS MILK, THEN HE MAY ALSO BUY BREAD, EGGS, OR BUTTER.

Once trained well, such models can be used to increase their sales by planning different offers.

### SOME COMMON ASSOCIATION RULE LEARNING ALGORITHMS:

**Efficient Tree-based Algorithms:** Scales to handle large datasets by organizing data in tree structures.

**FP-Growth Algorithm:** An Efficient Alternative to Apriori. It quickly identifies frequent patterns without generating candidate sets.

**Eclat Algorithm:** Uses intersections of item sets to efficiently find frequent patterns.

**Apriori Algorithm:** Finds patterns by exploring frequent item combinations step-by-step.

## 3. DIMENSIONALITY REDUCTION

Dimensionality reduction is the process of reducing the number of features in a dataset while preserving as much information as possible. This technique is useful for improving the performance of machine learning algorithms and for data visualization.

Imagine a dataset of 100 features about students (height, weight, grades, etc.). To focus on key traits, you reduce it to just 2 features: height and grades, making it easier to visualize or analyze the data.



## SOME POPULAR DIMENSIONALITY REDUCTION ALGORITHMS ARE:

**Principal Component Analysis (PCA):** Reduces dimensions by transforming data into uncorrelated principal components.

**Locally Linear Embedding (LLE):** Reduces dimensions while preserving the relationships between nearby points.

Here are the key challenges of unsupervised learning:

**Overfitting Risk:** Overfitting can occur when models capture noise instead of meaningful patterns in the data.

**Sensitivity to Parameters:** Many algorithms require careful tuning of hyperparameters, such as the number of clusters in k-means.

Unsupervised learning has diverse applications across industries and domains. Key applications include:

**Recommendation Systems:** Suggests products, movies, or music by analyzing user behaviour and preferences.

**Astronomy and Climate Science:** Classifies galaxies or groups weather patterns to support scientific research

**Linear Discriminant Analysis (LDA):** Reduces dimensions while maximizing class separability for classification tasks.

**Isomap:** Captures global data structure by preserving distances along a manifold.

**Noisy Data:** Outliers and noise can distort patterns and reduce the effectiveness of algorithms.

**Limited Guidance:** The absence of labels restricts the ability to guide the algorithm toward specific outcomes.

**Lack of Ground Truth:** Unsupervised learning lacks labeled data, making it difficult to evaluate the accuracy of results.

**Anomaly Detection:** Identifies unusual patterns in data, aiding fraud detection, cybersecurity, and equipment failure prevention.

**Image and Text Clustering:** Groups similar images or documents for tasks like organization, classification, or content recommendation.

**Non-negative Matrix Factorization (NMF):** Breaks data into non-negative parts to simplify representation.

Challenges of Unsupervised Learning

**Assumption Dependence:** Algorithms often rely on assumptions (e.g., cluster shapes), which may not match the actual data structure.

**Cluster Interpretability:** Results, such as clusters, may lack clear meaning or alignment with real-world categories.

Applications of Unsupervised learning

**Customer Segmentation:** Algorithms cluster customers based on purchasing behaviour or demographics, enabling TMS

**Social Network Analysis:** Detects communities or trends in user interactions on social media platforms.

# The Boulder and the Snake

A woman dangled from the edge of a steep cliff, her hands gripping desperately to the outstretched arm of a man above. Her feet scraped the rock face, searching for a foothold, but there was none. Her life depended entirely on the man holding her. But just across from her, nestled in a crevice, a snake hissed and recoiled. It had already struck her once, its venom coursing through her shoulder. The pain was unbearable, and it was coiling to strike again.

“Pull me up!” the woman screamed, agony in her voice. “You’re not doing enough!” She looked up, seeing only the man’s face strained with effort—but not understanding why he wouldn’t just pull harder.

What she couldn’t see was that a massive boulder rested on the man’s back. It was crushing him. He was digging his heels into the ground, muscles trembling, teeth clenched—not just fighting gravity, but bearing a weight she knew nothing about. He couldn’t shout back. He didn’t want her to panic. His silence wasn’t neglect—it was focus. He was giving her everything he had.

The woman grew angrier, her fear turning into blame. “Why are you letting me suffer?” she cried. “Why aren’t you saving me?”

**But still, the man held on.**

### **Moral:**

Sometimes, we can only see our pain and assume others aren't helping enough—when in truth, they might be carrying burdens we cannot see, yet still choosing to hold on to us despite it.

# OUR TRAINERS

## OUR MD MR MURUGESH PRESENTED THE MONTHLY TRAINER EXCELLENCE PATHWAY (TEP)

CERTIFICATE OF APPRECIATION FOR MAY 2025 EXEMPLAR TRAINER'S

### FULL TIME TRAINERS



**SELVARAJ  
POTHIRAJ**



**CHUA AH  
SENG**



**AFFANDY  
WESTLAKE**



### ASSOCIATE TRAINERS



**CHITRAMBALAM  
MUNIYANDI**



**WANG  
YAN**



**ABM  
MOHSIN**



# TESTIMONIALS (CLIENTS)

Endorsement of our Commitment to our Students and Customers, **Some of the endorsements and feedback from our valued Clients.**

1

Hi Eversafe Team,  
Shenba has always been a great support in meeting all our requirements and is always happy to help with any of our request.

- Company name : **Jade Clover (SEA) Pte Ltd**
- Company In-charge : **AISHA SYED SHAIKH**
- Course In-charge : **Ms Shenbagam**



2

"Ms Shenba is a helpful and efficient staff.  
Appreciate her help to find suitable and change slots due to last min changes in job.  
She is also very friendly and professional."

- Company name : **WING SHIP MARINE SERVICES PTE LTD**
- Company In-charge : **Darissa**
- Course In-charge : **Ms Shenbgam**



3

We greatly appreciate the excellent service and prompt assistance that you and your team have provided. Your support has been incredibly helpful in ensuring that all our needs are met efficiently.

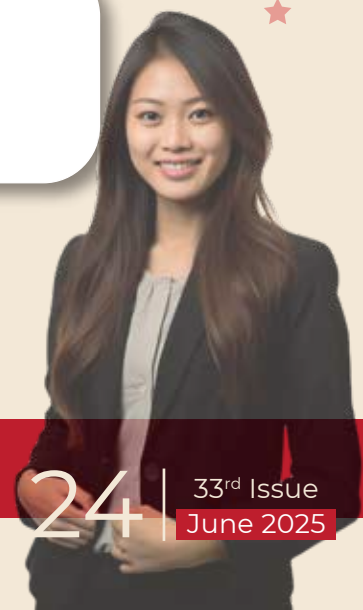
- Company name : **B S M ENGINEERING WORKS & TRADING PTE LTD**
- Company In-charge : **Thanaletchumi Murugesan**
- Course In-charge : **Ms Surya**



4

Thank you for your kind support.  
Your quick response and kind assistance is helpful for us.

- Company name : **ENFIVE PTE LTD**
- Company In-charge : **Kazuyuki Matsuzawa**
- Course In-charge : **Delfin**



# TESTIMONIALS (STUDENTS)

Endorsement of our Commitment to our Students and Customers, **Some of the endorsements and feedback from our valued Students.**

1

My name is Maung Naing, I have enquired for a Full time Diploma course for my wife with Panitha from your Training center last month. Therefore, I wanted to take a moment to express my gratitude for your help with my school application inquiry.

- Student name : **Maung Naing**
- Course name : **DIPLOMA IN ACCOUNTING (DA)**
- Course In-charge : **Ms Punitha**



2

"I am very appreciated about your service. Thanks for help me for all the information that I want and thanks again for your patience for my misunderstanding parts"

- Student name : **NYO NYO KHIN**
- Course name : **ADVANCED DIPLOMA IN CIVIL ENGINEERING**
- Course In-charge : **Ms Punitha**



3

This is PRABAKARAN im a local and I inquired about diploma courses for my brother in law who is from India. Ms. Punitha helped me and provided excellent customer support and very helpful.

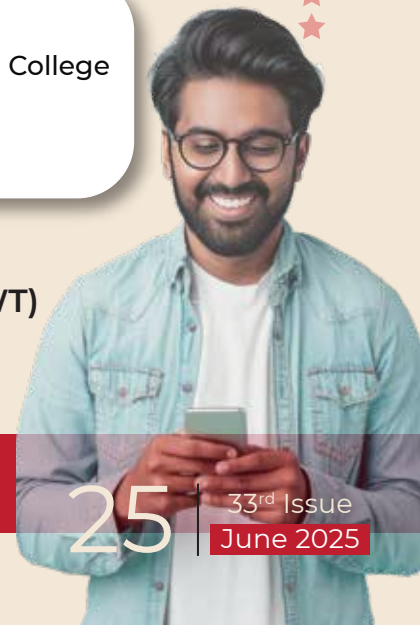
- Student name : **Gopalakrishnan Prabakaran**
- Course name : **DIPLOMA IN WEB TECHNOLOGY (DWT)**
- Course In-charge : **Ms Punitha**



4

Punitha madam is very good very good to the cause details then you support for College details quickly response very goodness punitha Ma'am very support you for the thank you so much madam.

- Student name : **Suthagar**
- Course name : **DIPLOMA IN WEB TECHNOLOGY (DWT)**
- Course In-charge : **Ms Punitha**



# HEALTH & FITNESS PROGRAMMES

(STAFF & STUDENT)

## EVERSAFE ACADEMY HEALTH CHALLENGE RESULTS – MAY 2025

### HEY, EVERSAFE ACADEMY FAMILY!

May was made for movement and you all delivered! Our top steppers showed up strong, proving that consistency is key and every step takes us closer to better health.



**EZHILMATHI**  
**568,646 STEPS**

(Blazing trails and setting the pace for us all!)



**ANITHA**  
**512,952 STEPS**

(A powerhouse of persistence, one step at a time.)



**VEERAMMADEVI**  
**510,589 STEPS**

(Quietly climbing the leaderboard—step by step!)



Huge kudos to this month's champions! You inspire us to keep walking, dancing, and moving forward.

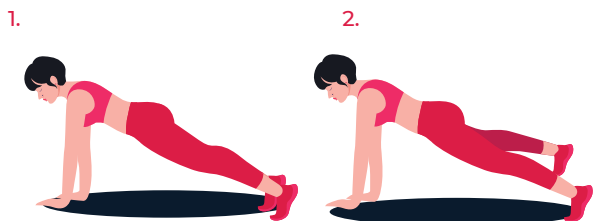
Let's stride into June with even more energy. The path to wellness continues let's take it together!

**KEEP STEPPING** *Eversafe Academy!*

## WORKOUTS TO REDUCE TUMMY FAT

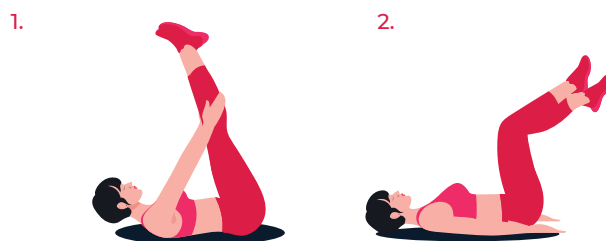
### PLANK (30-60 SECONDS)

Strengthens core and burns belly fat.



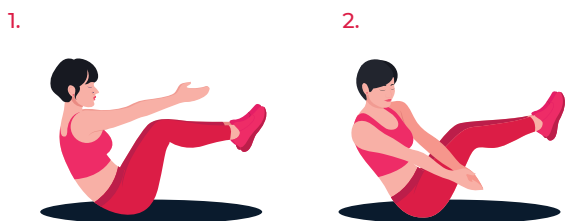
### LEG RAISES (15 REPS X 3 SETS)

Targets lower abdomen.



### RUSSIAN TWISTS (20 REPS X 3 SETS)

Engages obliques and reduces side fat.



### MOUNTAIN CLIMBERS (30 SECONDS X 3 SETS)

Cardio for burning fat and strengthening core.



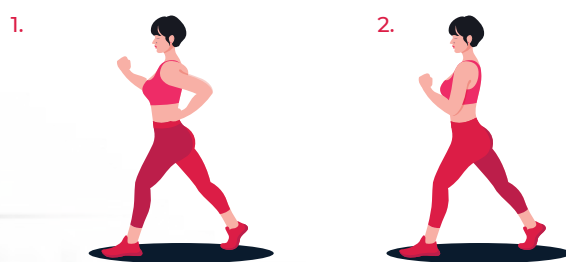
### BICYCLE CRUNCHES (20 REPS X 3 SETS)

Works upper and lower abs and obliques.



### BRISK WALKING OR JOGGING (20-30 MINS DAILY)

Helps in overall fat reduction including tummy fat.



## Spray Painting Safety Quiz:



1. Before starting any spray-painting task, always ensure that the work area is well-\_\_\_\_\_.
2. It is important to wear a \_\_\_\_\_ to protect yourself from inhaling toxic fumes during spray painting.
3. Always use a \_\_\_\_\_ approved for spray painting activities to filter out harmful vapours and particles.
4. To avoid fire hazards, make sure that all \_\_\_\_\_ are removed from the spray painting area.
5. Proper disposal of leftover \_\_\_\_\_ and solvents is essential to prevent environmental contamination.
6. Ensure that there are no \_\_\_\_\_ in the vicinity when performing spray painting to avoid ignition.
7. It is mandatory to use \_\_\_\_\_ protection when working with spray painting equipment to avoid eye injuries.
8. To minimize health risks, you should always wear protective clothing, such as gloves and \_\_\_\_\_.
9. The best way to prevent the accumulation of flammable vapors is by maintaining proper \_\_\_\_\_.
10. Spray painting tasks should never be conducted in \_\_\_\_\_ spaces due to the risk of fume buildup and suffocation.



# FUN WITH PUZZLE & GAMES

Please pick from the list of suggested answer for each question:

QUESTION NO	ANSWER
A	RESPIRATOR
B	IGNITION SOURCES
C	OPEN FLAMES
D	COVERALLS
E	CONFINED
F	VENTILATED
G	EYE
H	PAINT
I	MASK
J	VENTILATION

QUESTION NO	ANSWER
A	
B	
C	
D	
E	
F	
G	
H	
I	
J	



QUIZ DEVELOPED BY

**RICHARD SIM**  
ACADEMIC MANAGER  
EVERSAFE ACADEMY

## Prizes

1<sup>st</sup> **S\$50**

2<sup>nd</sup> **S\$40**

3<sup>rd</sup> **S\$30**



## SCAN QR CODE TO SUBMIT YOUR COMPLETED MATCHING SAFETY CROSSWORD PUZZLE

Please complete the matching puzzle for hazard signages and snap a picture to upload via our QR Code with your details for a chance to win prizes before 1st June 2025.

## LAST MONTH WINNERS (MAY)



1<sup>st</sup> **S\$50**  
**BOOBALAN**



2<sup>nd</sup> **S\$40**  
**GABRIEL JERAMAE**  
**APODERADO**



3<sup>rd</sup> **S\$30**  
**RAZIB**  
**UDDIN**

# SOCIAL MEDIA PRESENCE

## Eversafe Academy reach and Impressions for May 2025



SOCIAL MEDIA VIEWS

#1,248

MOBILE APP VIEWS

#31,785



YOUTUBE IMPRESSION - 312



Eversafe Academy believes that creating awareness through Social Media can make a positive impact on the public and learning communities. Eversafe Academy has been producing helpful and informational videos on our YouTube Channel "Eversafe Academy".  
*Some of the recent videos posted on our channel are*



### 01. Student Testimonial Videos

Posting testimonial videos can be a great way to showcase positive experiences and feedback from the students by obtaining proper consent from them.



### 2. Course Informational Videos

Engaging videos with course information such as contents, duration of the course, fee, and other details, to encourage and promote learning in-demand skills and courses to improve career advancement chances for various industries.



### 3. General & Safety Videos:

In May, we released a series of engaging videos, including a brief animated promo for the Operate Lorry Crane (OLC) course, a career progression guide for safety courses, as well as safety quotes and motivational videos.



# CORPORATE SOCIAL RESPONSIBILITY

- CSR EVENTS

We have planned to start the next batch for **FREE YOGA Classes** for migrant workers, and we are most pleased to share that there was a high demand for this type of FREE classes, which forms part of our Corporate Social Responsibility (CSR) service by Eversafe Academy for the migrant worker community.

## BOOK YOUR FREE YOGA CLASSES

05<sup>TH</sup>, 12<sup>TH</sup>, 19<sup>TH</sup> & 26<sup>TH</sup>

JULY 2025

2<sup>ND</sup>, 09<sup>TH</sup> & 16<sup>TH</sup>

AUGUST 2025



EA will be conducting **Free Computer classes** on the below scheduled dates.

## BOOK YOUR FREE COMPUTER CLASSES

29<sup>TH</sup>

JUNE 2025

06<sup>TH</sup> & 13<sup>TH</sup>

JULY 2025



Timing: 6 PM to 9.45 PM Location: Little India branch,  
#2, Kampong Kapor Rd, Singapore 208674

The Eversafe Academy will visit the SUNLOVE Home Eldercare Centre on 20 June 2025, and sponsor meals.



At Eversafe Academy, our mission has always centered on safety and sustainability—ensuring not just a safe workplace, but also a safe planet. In alignment with the Singapore Green Plan 2030, we are proud to introduce our Eversafe Green Plan Initiative—a structured commitment to environmental responsibility across our training and operational activities.

**A Sustainable Shift in Safety Training**  
Recognizing that environmental health is a key component of occupational safety, the Green Plan embeds eco-conscious practices into everything we do. From energy use to procurement, the academy is integrating sustainability into its core functions.



# LATEST EA COURSES & UPCOMING EVENTS

Eversafe Academy will be soon launching the below new course:

## 1. CERT RECERTIFICATION COURSE (Tier 1)



1.

Eversafe Academy has planned to conduct workshop on "Robotics Redefined: Shaping Tomorrow's Industries" on 28th June 2025.

2.

Safety committee meeting will be conducted at Pioneer on 27th June 2025.

3.

Eversafe Academy has planned to grandly celebrate International Yoga Day on 21 June 2025, bringing together employees, international students, and yoga enthusiasts for a day of health, wellness, and community engagement.

4.

Eversafe Academy has planned to conduct Graduation Day on 05th July 2025.



## EVERSAFE ACADEMY SKY MEDITATION CENTRE

WCSC APPROVAL NO: WCSC/APP/SGP/054

### SCIENCE OF UNIFIED LIVING

A revolutionary insight blending Ancient Indian Wisdom  
and Contemporary Science

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in detail.

Visit our website for more details:

[www.eversafe.edu.sg/yoga-home](http://www.eversafe.edu.sg/yoga-home)

## Our Featured Courses:

1. YOGA FOR HUMAN EXCELLENCE – FOUNDATION COURSE
2. KAYAKALPA YOGA
3. INTROSPECTION COURSE (I, II & III)
4. CHILDREN YOGA
5. CERTIFICATE IN YOGA FOR HUMAN EXCELLENCE (CYHE)
6. DIPLOMA IN YOGA FOR HUMAN EXCELLENCE (DYHE)



**For more info**

Call: +65 6297-8417 | WhatsApp: +65 9381 3608  
[www.eversafe.edu.sg](http://www.eversafe.edu.sg) | [training@eversafe.com.sg](mailto:training@eversafe.com.sg)

**JOIN US**

# WE'RE HIRING



**JOIN OUR TEAM**

## OPEN POSITION

## NO OF VACANCY

- **STUDENT SUPPORT SERVICE OFFICE  
(CENTRE IN-CHARGE)** - 2
- **ADVANCED CERTIFICATE IN COMMERCIAL  
REFRIGERATION SYSTEMS TEACHER** - 1
- **CERTIFICATE IN CCTV INSTALLATION AND  
SURVEILLANCE SYSTEMS TEACHER** - 1



Email us your resume at

**[hrl@eversafe.com.sg](mailto:hrl@eversafe.com.sg)**

Call: (+65) 9059 6339 | [www.eversafe.edu.sg](http://www.eversafe.edu.sg)

**35**

33<sup>rd</sup> Issue  
June 2025

# ABOUT EVERSAFE ACADEMY

Eversafe Academy is a well-established training institute providing innovative training to meet the needs of the adult learners and PMETs of Singapore and regionally. We are one of the well-known Training Providers in the WSH sector, with a team of highly experienced and dedicated safety professionals who are trained and capable in the implementation of workplace safety, corporate loss control and regulatory compliance. We have a group of experienced engineers.

We shape the safety skill sets of workers, Supervisors and Managers to ensure that they have adequate knowledge to carry out their works safely. We also organize training for corporate companies.

We are also accredited with a 4-year EduTrust Accreditation quality standard mark as part of the recognition of our excellence in quality teaching and student experiences as a registered Private Education Institute.



**2008**

Year Established



**150+**

Courses



**200+**

Dedicated Staffs



**1500+**

Corporate Clients







# Island wide 4 Locations

**LITTLE INDIA**



No. 2, Kampong Kapur Rd,  
Singapore 208674

**JOO KOON**



No. 2, Joo Koon Road,  
Singapore 628966

**PIONEER JUNCTION**



No.3, Soon Lee Street, #04-14,  
16,17, Pioneer Junction,  
Singapore 627606

**WAN LEE**



No. 2, Wan Lee Road,  
Singapore 627934

WE ARE  
**ALWAYS WITH YOU**  
FOR YOUR  
**TRAINING NEEDS**

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+65 9381 3608    [training@eversafe.com.sg](mailto:training@eversafe.com.sg)



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