



DISCOVERY

INSTITUT LATIHAN PERINDUSTRIAN MERSING

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From the Editor

It is a great pleasure to present this November edition of Discovery. The theme of this month is Career Journey.

The newsletter provides a guideline for students to see their possible pathways, the topic that is eventually being their concerns. I believe the students should be given an exposure of what they could do later once they are graduated. In addition, some memories in November 2022 are captured this edition!

I hope this newsletter will be able to promote an awareness pertaining to career among the students.

Happy reading!

Taarzi Ahmad

WELDING:

Beyond The Sparks and Arc

by: Muhammad Zaid Asraff bin Azmi

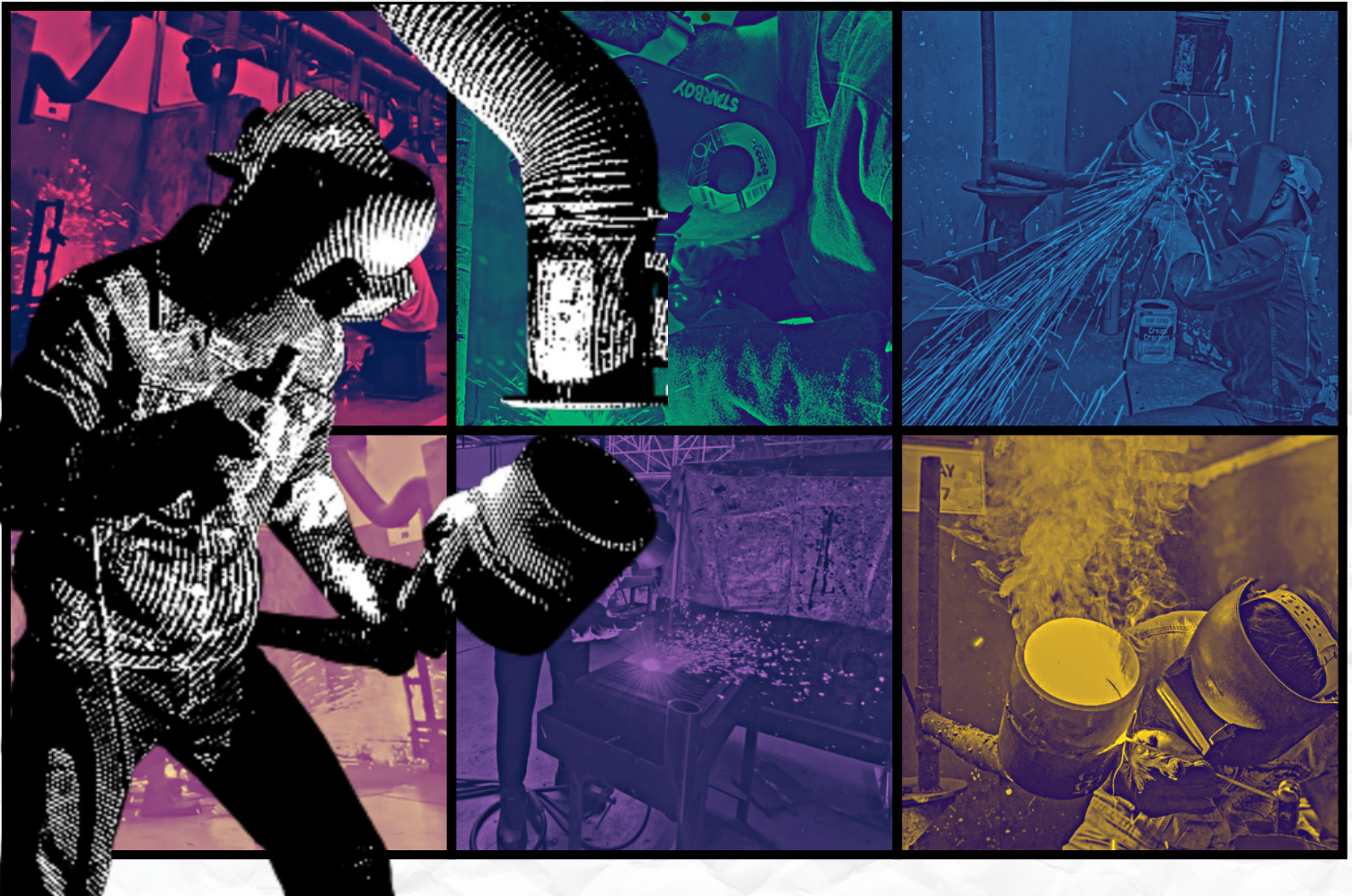
What do skyscrapers, automobiles, rockets, and ships have in common? In all likelihood, they have all been welded.

Basically, welders and solderers use heat to permanently join pieces of metal together. Welding is the most common method used to join metal parts in large structures and equipment due to its strength.

Most welding done today falls into one of two categories: arc welding (the use of an electrical arc to melt the work materials) and torch welding (the use of an oxyacetylene torch to melt the working material and welding rod). There are more than 100 welding processes that a welder can use and most involve a skilled worker using a high-heat torch, filler material that is usually in wire or stick form, and pressure to permanently bond metal pieces. Workers in these occupations may work indoors or outdoors - sometimes in bad weather or in a confined area - and occasionally work at high elevations.

Welding is one of the few career choices that seem to be in high demand at all times. This is because welders are needed in almost every industry. Training for this occupation varies broadly from a few weeks of schooling or on-the-job training to several years of combined schooling and on-the-job training. Most welders, learn their job skills through a formal training program either in high school, professional-technical schools, or two-year colleges that offer Welding programme including ILP Mersing. Some branches of the military also train people to be welders and metal workers.

Because the basic skills of welding are the same across all industries, it is relatively easy for these workers to use their transferable skills when moving from one industry to another. Expected growth in the welding industry, new technology, and future demand for repair of the nation's aging infrastructure will continue to contribute to the high demand for workers in this occupation.



HVAC

by: Muhammad Farid bin Mohd Rafee

HVAC stands for Heating, Ventilation, and Air Conditioning. HVAC refers to the different systems used for moving air between indoor and outdoor areas, along with heating and cooling both residential and commercial buildings. They are the systems that keep you warm and cozy in the winter and feeling cool and fresh in the summer. They also are the systems that filter and clean indoor air to keep you healthy and maintain humidity levels at optimal comfort levels.

An HVAC Technician, or a Heating, Ventilation and Air Conditioning Technician, installs and repairs various air quality systems. Their main duties include locating and diagnosing maintenance problems on equipment, conducting warranty services and quickly performing emergency repairs on certain equipment items.

HVAC Technicians have several responsibilities. Depending on the specifics of a job, their primary duty is to either maintain systems or install new units.

In fact, most HVAC Technicians spend much of their time alternating between these two roles. Other common responsibilities for HVAC Technicians include:

- Removing old system
- Installing new systems
- Performing routine maintenance
- Training junior team members
- Communicating with clients and customers
- Ordering and maintaining equipment
- Meeting local HVAC codes

In 1902, Willis Carrier submitted his design for the first modern air-conditioning system, accomplishing a feat that was once thought to be impossible - control of the indoor environment. His invention would give rise to a world-leading heating, air-conditioning and refrigeration company and create an entire industry essential to global productivity and personal comfort.





MAWLID AL-NABI

by: Muhammad Hamizan Adzhar bin Mohd Zamani

Across the globe, including Malaysia, ILP Mersing especially, Mawlid al-Nabi, the birthday of the Prophet Muhammad, is celebrated on the twelfth day of the month Rabi' al-Awwal. Alhamdulillah, even though it was a bit late, the committee of Surau Al-Itqan managed to organise the celebration on 24 November 2022. The simple yet heartfelt celebration included parade with banners, recitations of poetry and litanies nasheed competition as well as religious talk. The celebration showed the increasing importance of Mawlid al-Nabi amongst ILP Mersing officers, staffs and students. It started at 8 o'clock in the morning by parading from respective workshop to the Main Hall with their creative banners made by the students representing their courses. It was then followed by Nasheed Competition by courses. Students were able to showcase their talent. It was mesmerising to watch their performances. After that, a religious talk was given by Ustaz Ahmad Farkhan Daie entitled "The Evidence of Prophet's Love". Before having the provided mouthwatering meal, winning teams of each competition were announced. Congratulations to all winners! It is hoped this celebration made us to remember and love Prophet Muhammad PBUH.





On 10 to 13 November 2022, a sports Carnival of Excellence ILJTM Southern Region was held at Institut Latihan Perindustrian Tangkak, Johor. This special event was organised by the institutes in the southern region headed by ILP Tangkak. This carnival was joined by the representatives of the officers and staffs from each of the Mainpower Department Training Institute. There were many different sports events were like football, archery, darts, volleyball, bowling and ping pong.

The level of engagement from the officers and staffs representing ILP Mersing for individual and team games was outstanding. In particular, the focus of the carnival this year was sportsmanship and teamwork. The core values encouraged and promoted were working together with the teammates, encouraging one another, trying the hardest, playing fair, treating opponents with respect.

CARNIVAL OF EXCELLENCE ILJTM SOUTHERN REGION

by: Jaazli bin Ahmad

The representatives of ILP Mersing also managed to place position in some games and secured the medals. Congratulations to all those officers and staffs who took part in the carnival. ILP Mersing team is looking forward to the next Carnival of Excellence ILJTM Southern Region to return with victory and trophy. All in all, this carnival truly gave a lot of benefits to all officers and staffs in accomplishing their mission to strive towards excellence and all-roundedness. As a conclusion for this carnival, it was a really big success and kudos to the excellent work by the organisers and participating officers and staffs!

TELEMATCH DAY

by: Muhammad Norsyahmi Bin Sawal Rizal

On 12 November 2022, students of ILP Mersing went to Air Papan, Mersing for a telematch day. Those were students who have won places during Sports Carnival recently organised. The aim was to reward the students as well as strengthen their friendship and teamwork.

Fun and laughter reverberated all around with more than 50 students consisting of 5 courses from various cohorts enjoying the moment competing in multiple games offered. With everyone possessing different skills, knowledge and ability, each team has to cooperate and take advantage of their individual talent to successfully complete a challenge. Planning, coordination and teamwork were tested in their aim for victory.

Even though there was no winning team, students clinched the top spot after facing aggressive competition from each other showing their enthusiasm.

Congratulations to all participating students for a good show of teamwork and positive vibes in the telematch. In the end, it was all in the name of good fun and sportsmanship.



RETIREMENT CEREMONY MR. SAMSUDIN WAKIMAN

by: Najmy Fareez bin Zaidi Anuar

On 28 November 2022, a retirement and farewell ceremony for Mr. Samsudin Wakiman, an Assistant Vocational Training Officer in Automotive Technology Division was organised in the Main Hall. The venue was decorated beautifully by the committee members. All the officers and staffs were present at the ceremony. The farewell ceremony started at 11 o'clock in the morning. It was began with a motorcycle convoy around ILP Mersing. Mr. Samsudin Wakiman joined the department in 1990 and ILP Mersing in 2004, now he retired. Mr. Samsudin Wakiman was an intelligent, sincere and dutiful lecturer of ILP Mersing. In his speech, he mentioned about how he recollected all his memorable experiences throughout his journey in ILP Mersing. The officers and staffs who attended the ceremony were touched by the song he sang at the end of his speech. It was a beautiful song about his journey that he composed himself. The KSDK Club managed to present gifts on behalf of all officers and staffs to the retired lecturer with love and respect, Mr. Samsudin Wakiman. The director of ILP Mersing, Ts. Syahrull Nizam Haji Perdan also took the chance to deliver a certificate of appreciation to Mr. Samsudin Wakiman. All in all, it was an unforgettable moment to celebrate Mr. Samsudin last day of service. It is hoped he stays happy and healthy with their beloved ones.

