

KOTO
ASSOCIATION



PERANTIS
Iskandar

PERANTIS ISKANDAR SMART TECHNOLOGY ENGINEER

15th September – 14th December
2022

A programme supporting the Malaysian Government's initiative to revive the economy via human capital development.





柔南机器厂商公会
SOUTH JOHOR FOUNDRY & ENGINEERING
INDUSTRIES ASSOCIATION

Foreword

Perantis Iskandar is a programme supporting the Malaysian government initiative to revive the economy via human capital development.

KOTO Association is an Artificial Intelligence-driven platform for Upskilling, Job Matching and Financial Inclusion. KOTO Association is honoured to be designated as the Authorized Training Partner (ATP) for this programme.

The outcome of the training programme is to enhance Iskandar Malaysia's regional economic development via human capital development, produce competent talent for employment and address the unemployment issues caused by the pandemic Covid-19.

To actualize this initiative, Perantis Iskandar has commissioned its Authorized Industry Partner (AIP), South Johor Foundry & Engineering Industries Association (SJFEIA) to train trainees on practicing their knowledge during industrial training.

KOTO Association will deliver 2 months of classroom training in different categories as stated below, followed by 1-month of industrial training after which the trainees may begin full-time employment at SJFEIA member companies based on their performance during the programme.

It is a pleasure to welcome all the trainees to this programme. Do take advantage of the good opportunity to kick-start your career with a better foundation.

Appreciation goes to Perantis Iskandar and the Malaysian Government for this initiative and the opportunity to be the Authorized Training Partner (ATP).

Thank you.
Steve Edwards

C O U R S E M O D U L E

Soft Skill

- Problem Solving for Technicians & Technologists
- Technical Aptitude
- Stress Management
- Workplace Culture and Transformation
- Creative Problem Solving & Decision Making
- Innovation & Creativity
- Brainstorming

Design Thinking and Engineering Practice

- Design Thinking (DT) and Problem Solving
- Introduction to Engineering Practice
- Traditional and Emerging Engineering Fields
- Engineering Design Process (EDP) and Design Thinking (DT)
- Hard and Soft Skills for Engineering Practice
- Critical Thinking
- Emotional Intelligence (EQ)

Project Tools

- Autodesk @ AutoCAD @ Overview and Drawing
- Select and Modify Objects
- Lines, Polylines and Arcs, Drawing Aids
- Object Properties Skills
- Presenting the Drawing
- Working on Projects
- 3D Modeling Basics
- User Coordinate System
- Solid Modeling
- Surface Modeling

Safety Induction and Orientation

- Safety Inductions
- Safety in the Workplace
- Programme Outline
- Process Plant Induction and Plant Walk Through
- Confined Space Entry and Gas Testing
- Following Procedures in the Event of an Emergency
- Permit to Work
- Task Risk Assessment
- Safe Isolations

Project Management

- Introduction to Project Management
- Project Planning
- Project Execution
- Project Monitoring and Controlling
- Project Reporting and Conclusion
- Agile Project Management
- Project Management Career Exploration

Soft Skills

Date:

19th September 2022 – 23rd September 2022;

17th October 2022 – 21st October 2022

Trainer:

Mr. Kenneth Ng Chek Khim

Course Description

Soft skills are abilities that relate to how people work and how they interact with other people. Soft skills can also be defined as personality behaviours that will help candidates get hired and succeed in their work. With good soft skills, people can work well with other people and develop their careers.

Course Schedule

Day & Date	Mode	Time	Activities	Trainers
Monday 19 th Sept 2022	Physical Lesson (The Xpress Train)	9:00 AM – 5:00 PM	Morning Session – Lectures	Mr. Kenneth Ng Chek Khim
Tuesday 20 th Sept 2022			Evening Session – Projects, Group Assignments	
Wednesday 21 st Sept 2022				
Thursday 22 nd Sept 2022				
Friday 23 rd Sept 2022				
Monday 17 th Oct 2022				
Tuesday 18 th Oct 2022				
Wednesday 19 th Oct 2022				
Thursday 20 th Oct 2022				
Friday 21 st Oct 2022				

Safety Induction and Orientation

Date:

26th September 2022 – 30th September 2022;
30th October 2022 – 4th November 2022

Trainer:

Mr. Jamaludin M. Noohu
Yavinesh

Course Description

Safety Induction serves as a starting point for an organization to introduce a culture of safety in the workplace. Safety Induction helps employers to ensure their employees are fully informed about the organization and they are aware of their work and responsibilities. Safety Orientation helps organizations to ensure their employees are aware of acknowledging and understanding important safety measures for working on-site and being job ready for their first day in the workplace.

Course Schedule

Day & Date	Mode	Time	Activities	Trainer	
Monday 26 th Sept 2022	Physical Lesson (The Xpress Train)	9:00 AM – 5:00 PM	Morning Session – Lectures	Mr. Jamaludin M. Noohu	
Tuesday 27 th Sept 2022					Evening Session – Projects, Group Assignments
Wednesday 28 th Sept 2022					
Thursday 29 th Sept 2022					
Friday 30 th Sept 2022					
Monday 10 th Oct 2022			Mr. Yavinesh		
Tuesday 11 th Oct 2022					
Wednesday 12 th Oct 2022					
Thursday 13 th Oct 2022					
Friday 14 th Oct 2022					

Monday 31st Oct 2022				
Tuesday 1st Nov 2022				
Wednesday 2nd Nov 2022				
Thursday 3rd Nov 2022				
Friday 4th Nov 2022				

Design Thinking and Engineering Practice

Date:

3rd October 2022 – 7th October 2022

Trainer:

Dr. Bosede Edwards

Course Description

Design Thinking and Engineering Practice is a course that aims to enable participants to hone the skills necessary for successful participation in industrial settings. Trainees will explore soft skills related to successful interpersonal interactions as well as those necessary for operating as effective technical personnel. The modules will cover soft skills like communication for interpersonal relations, stress management, and teamwork among others. They will explore problem-solving skills like critical thinking and design thinking and a review of general engineering practice and operations principles from design and development through commissioning to startup and close-out as it relates to practicing as engineers in the 21C industry marked by smart industry operations. They will learn about the significance of data exploration and important tools for data exploration.

Course Schedule

Day & Date	Mode	Time	Activities	Trainer
Monday 3 rd Oct 2022	Physical Lesson (The Xpress Train)	9:00 AM – 5:00 PM	Morning Session – Lectures	Dr Bosede Edwards
Tuesday 4 th Oct 2022			Evening Session – Projects, Group Assignments	
Wednesday 5 th Oct 2022				
Thursday 6 th Oct 2022				
Friday 7 th Oct 2022				

Project Management

Date:

24th October 2022 – 28th October 2022

Course Description

Project Management aims to equip trainees with a basic understanding and application of key project management terms, skills for analyzing project settings, a general understanding of the interaction between various project management processes, and stakeholder management process inputs, tools, techniques, and outputs. They will also learn about project planning, scheduling, execution, monitoring/ controlling, reporting, presentation, and pitching. Trainees will get introduced to the concept of Agile Project Management.

Course Schedule

Day & Date	Mode	Time	Activities	Trainer
Monday 24 th Oct 2022	Physical Lesson (The Xpress Train)	9:00 AM – 5:00 PM	Morning Session – Lectures	
Tuesday 25 th Oct 2022			Evening Session – Projects, Group Assignments	
Wednesday 26 th Oct 2022				
Thursday 27 th Oct 2022				
Friday 28 th Oct 2022				

Project Tools

Date:

7th November 2022 – 11th November 2022

Trainer:

Mr. Yavinesh

Course Description

Project Tools is an important course for project team members to plan and manage projects effectively to achieve the goals of the project on time. This course help trainees develop the technical skills to understand and create 2D CAD designs using Autodesk®AutoCAD®. Precision CAD designs are widely used in the architectural, construction, engineering, and manufacturing industry. At the end of this course, trainees will be able to create and modify 2D objects using common commands, create 2D/3D drawings using an efficient workflow of CAD production, and extract two-dimensional views from a three-dimensional model for detail drafting.

Course Schedule

Day & Date	Mode	Time	Activities	Trainer
Monday 7 th Nov 2022	Physical Lesson (The Xpress Train)	9:00 AM – 5:00 PM	Morning Session – Lectures	Mr. Yavinesh
Tuesday 8 th Nov 2022			Evening Session – Projects, Group Assignments	
Wednesday 9 th Nov 2022				
Thursday 10 th Nov 2022				
Friday 11 th Nov 2022				

TRAINERS



Ng Chek Khim, Kenneth

Mr. Kenneth Ng is a senior trainer who has over 20 years of teaching experience. He is conversant in Bahasa Malaysia, English, and Mandarin languages. He has been involved in various developing and customising programmes such as Supervisory Development Programme, Management Development Programme, Trainer Development Programme, and Train the Trainer (TTT) programme. He has a clear and lively style of delivery and actively engages his participants during his workshops. He articulates his thoughts clearly and enjoys sharing his practical experiences and ideas. He can share key concepts in a clear and easy-to-understand manner.



Jamaludin bin M. Noohu

Mr Jamaludin is a senior safety trainer in various industries such as Transportation, Manufacturing, and Construction industry. He graduated from OSH Management-Camden University, USA on Master of Science and has over 40 years of working experience in the Military, Industries even he has conducted trainings for MAS and Air Asia supporting entities. His main expertise is focused on Forklift, Chemical Safety and Working at Height (on Construction sectors), Chlorine Safety & ERP on Water Utility Sector as well. He has successfully conducted more than 200 Forklift & Chemical Safety Training sessions at various industries which has trainer more than hundreds of competent Forklift Drivers.



Bosede Edwards

Dr. Bosede Edwards is an Adjunct Lecturer with Raffles University Malaysia, an Instructor with BSD Education and a consultant with Arrows Education. She has over 15 years experiences in instruction across all levels of education and holds a PhD from Universiti Teknologi Malaysia. She is a certified HRDF Trainer.



Yavinesh Rajagopal

Mr. Yavinesh is an experienced senior instructor with a demonstrated history of working in the professional training and coaching industry. Skilled in 3D Modeling, Character Animation, Motion Graphics, Video Editing, Visual Effects, Desktop Publishing, and CAD Drawing using Adobe After Effects, Autodesk Maya, Adobe Photoshop, Autodesk Autocad, Autodesk Revit, Adobe Premiere Pro, Adobe Indesign, Adobe Illustrator.