







USM-MJA-OTHM INTERNATIONAL PROFESSIONAL CERTIFICATE IN FACILITY MANAGEMENT SPECIALIST

under European Qualification Frameworks (EQF)
Endorsed Learning Program (ELP) with Level 5 EQF

COMPLEMENTARY CPD AWARDED:

CIDB CCD + MBOT CPD + BEM CPD Hours + RISM CPD END OF PROGRAM

#INTERNATIONAL PROFESSIONAL CERTIFICATE IN FACILITY MANAGEMENT SPECIALIST, FMS®: USM-MJA JOIN COLLABORATION

TRAINING ID: MJA/USM/2022/001 https://www.megajatiacademy.com/fms

GET A DISCOUNT FOR GROUP ENROLLMENT, KINDLY CONTACT US:

+6017 419 3031 (Ms. Zahafaryna) +60 16-335 7727 (Ir. Dr. Muhammad Arkam CM)

MEGA JATI ACADEMY SDN BHD

No 62, First Floor Bandar Puteri Jaya Jalan BPJ 1/1, Seksyen 1, Sungai Petani 08000, Kedah, MALAYSIA +604 424 2215 / +6017 419 3031 / academy.mjc@gmail.com

SCHOOL OF CIVIL ENGINEERING UNIVERSITI SAINS MALAYSIA (USM)

School of Civil Engineering, Engineering Campus, Universiti Sains Malaysia, 14300 Nibong Tebal, Penang, Malaysia.

https://civil.eng.usm.my/index.php/en/

2022

#INTERNATIONAL PROFESSIONAL CERTIFICATE IN FACILITY MANAGEMENT SPECIALIST: USM-MJA JOIN COLLABORATION

TRAINING ID: MJA/USM/2022/001 https://www.megajatiacademy.com/fms

1.0 INTRODUCTION

Established as the second university in the country in 1969, **Universiti Sains Malaysia (USM)** was first known as Universiti Pulau Pinang. In 1971, USM moved from its temporary premises at the Malayan Teachers' Training College, Bukit Gelugor to the present 416.6 hectare site at Minden. USM offers courses ranging from Natural Sciences, Applied Sciences, Medical and Health Sciences, Pharmaceutical Sciences to Building Science and Technology, Social Sciences, Humanities, and Education. These are available at undergraduate and postgraduate levels to approximately 30,000 students at its 17 Academic Schools on the main campus in the island of Penang; 6 Schools at the Engineering Campus in Nibong Tebal and 3 at the Health Campus in Kubang Kerian, Kelantan. USM as a prominent university in Malaysia with the motto "We Lead" with the industrial collaboration offers a complete **Certified Facility Management Specialist FMS® Level 5 via 3 months Professional Courses.**

OTHM Qualifications is a UK's based Awarding Organization regulated by OfQual (Office of the Qualifications and Examinations Regulation) and has a numerous delivery centre globally to deliver their qualifications with the objectives to uphold the integrity of qualifications and assessments to provide **British Standard Qualifications** globally, to promote professionalism, to promote ethical practice and to promote equality and diversity. **Mega Jati Academy** is one of the Approved Centre of OTHM Qualifications United Kingdom in promoting construction and facility management learning programs with registration number **DC2012488** and delivering international **Endorsed Learning Program (ELP)** by OTHM Qualifications particularly in Construction Industry at Level 5, 6 and 7 approved under the **European Qualification Frameworks (EQF)**.

Mega Jati Academy is a Certified, Approved Training Provider registered with the Ministry of Finance Malaysia (MOF), Human Resource Development Corporation (HRDCorp), Construction Industry Development Board Malaysia (CIDB) and OTHM Qualifications (OTHM) delivering construction-based training for construction personnel in Malaysia. This Proposal will outline the collaboration brief between the School of Civil Engineering USM and Mega Jati Academy Sdn Bhd (MJA) in this University's INTERNATIONAL PROFESSIONAL CERTIFICATE IN FACILITY MANAGEMENT SPECIALIST starting from September 2022. In addition, MJA is registered with the MOF under CODE 221110: Training Services, Trainer and Moderator/Negotiator & CODE 222704: Services / Certification and Accreditation enabled us to offer such programs to certify qualified personel independently.

The general idea of this program as in-depth specialize in Facility Management (FMS®) in important FM Services targets all supervision and management workforces in technical building management and operation focus in **ten** (10) Facility Management Specialist (FMS®) areas not only for Malaysian but also international workforces. All Learners, subject to submission of all assessment will be awarded **two** (2) certificates from MJA + USM Professional Certificate (CPD from CIDB, BEM, RISM and MBOT are eligible) and the OTHM Qualifications Certified Facility Management Specialist (Level 5) delivered under European Qualification Frameworks (EQF) Endorsed Learning Program (ELP) approved programs especially for all our Facility Management Specialist FMS® sectors personnel as part of our commitment to produce a qualified and certified FM workforces.

2.0 COURSE OBJECTIVES

The course is deliberately designed and structured to achieve below specific targets:

- To deliver the curriculum content that approved by OTHM in line with CIDB CSQF and OTHM EQF ELP programs at specific level as preparation for the participants for OTHM Assessment under 3 (three) months course via ONLINE Learning Management System (LMS) Professional Course.
- 2) To get ready to be certified with sufficient intensive self-assessment certification programs and documentations preparation embedded in the course duration via Recognition of Past Learning Experience (RPLE) certification process.
- 3) To bridge between Malaysia's Construction Skills Qualification Frameworks (CSQF) to international European Qualification Frameworks (EQF) with SMART (Specific, Measurable, Attainable, Result-oriented and Time-bound technique) for FM personnel who that specialized and attained to sufficient experience suited to Level 5 international European Qualification Frameworks and get the recognition via this certification program collaborated between USM-MJA.

3.0 PRE-REQUISITE / ENTRY REQUIREMENT

This program is designed for existing FM personnel who had exposed and specialized in the ten (10) sectors but need to meet minimum criteria as below:

GENERAL CRITERIA:

- 1) Hold a relevant vocational and/or academic qualification of at least the level ideally a minimum Level 3/4 qualification in his/her own area of specialization.
- 2) Must be in the **Facility Management Specialize** sectors working candidates.

SPECIFIC MINIMUM CRITERIA:

 Certificate From Polytechnic / Community College, Vocational College, Malaysian Skills Certificate (Level 2 or 3), Malaysia Skills Efficiency Certificate or Competency Skills Certificate or Technical Certificate (PW2, PW4, AO, A4) In Field of Construction,

- Architecture, Electrical and Mechanical or Similar/ Equivalent from institution / local authorities or International; **OR**
- 2) Malaysian Certificate of Education (SPM), Low Certificate of Education (SRP), Lower Secondary Evaluation (PMR), Level 3 Assessment (PT3) or Primary School Achievement Test (UPSR) can be considered subject to the approval, **OR**
- 3) Others recognized/equivalent local and international that can be proven when making an application is subject to the approval of the University, **AND**
- 4) Be at least 25 years old in the year of application with at least 3 YEARS industrial experience in a related FM Sector field.
- 5) English requirements: All assessment will be in English; Learners need to answer all questions in English. **By OTHM:** "For learners to be successful on our qualifications which are taught and assessed in English, it is critical that they have an appropriate level of English language skills. (https://www.othm.org.uk/english-language.html)

4.0 USM-MJA COLLABORATION OBJECTIVES:

- 1) Becoming an alternative TVET skills **CERTIFICATION program** as for construction personnel in the Malaysian construction industry especially in FM Specialist Sectors.
- 2) Outreach to the FM Personnels under the industry linkages members through the collaboration through USM for all FM Personnels Malaysia.
- 3) With this collaboration, it is hoped that in future, international outreach can be attained with the engagement of University and the OTHM Approved Centre for this program for all FM specialist supervisory and management workforce personnel.

5.0 COURSE DELIVERY

The course material will be in English. Delivery will be through a **learning portal using Learning Management System (LMS)** for **3 months**. The self-learning process in terms of **WEEKLY hour's efforts** estimated about **6 to 10 hours (Professional Certificate Program) via part time inclusive of all assessment.**

Course Duration : 3 Months: Weekly Efforts: 6-10 hours (Part time)

On Job Training Requirement : Embedded 3 Months on Job Practical

Assessment Method : Knowledge Assessment (KA), Performance

Assessment (PA) Self-Assessment Report

6.0 STANDARD PUBLISHED COURSE FEE:

INTERNATIONAL PROFESSIONAL CERTIFICATE WITH OTHM QUALIFICATIONS CERTIFIED FACILITY MANAGEMENT SPECIALIST LEVEL 5 (FIVE)* APPROVED UNDER EUROPEAN QUALIFICATION FRAMEWORKS (EQF):

No	UNIVERSITY'S PROGRAM NAMING	OTHM	FEE (2022)
1	Professional Certificate in Facility Management Specialist (General	FMS-GB	RM 7,800.00
	Buildings) with OTHM Qualification Level 5 EQF		
2	Professional Certificate in Facility Management Specialist (Healthcare	FMS-HS	RM 6,800.00
	Services) with OTHM Qualification Level 5 EQF		RM 7,800.00
3	Professional Certificate in Facility Management Specialist (Water	FMS-WS	RM 6,800.00
	Services) with OTHM Qualification Level 5 EQF		RM 7,800.00
4	Professional Certificate in Facility Management Specialist (Road &	FMS-RH	RM 6,800.00
	Highway) with OTHM Qualification Level 5 EQF		RM 7,800.00
5	Professional Certificate in Facility Management Specialist (Railway	FMS-RW	RM 6,800.00
	Assets Management) with OTHM Qualification Level 5 EQF		RM 7,800.00
6	Professional Certificate in Facility Management Specialist (Energy, Oil	FMS-OG	RM 6,800.00
	& Gas) with OTHM Qualification Level 5 EQF		RM 7,800.00
7	Professional Certificate in Facility Management Specialist (Airport &	FMS-AG	RM 6,800.00
	Ground Services) with OTHM Qualification Level 5 EQF		RM 7,800.00
8	Professional Certificate in Facility Management Specialist (Port &	FMS-PH	RM 6,800.00
	Harbour with OTHM Qualification Level 5 EQF		RM 7,800.00
9	Professional Certificate in Facility Management Specialist (Power &	FMS-PT	RM 7,800.00
	Telecommunication) with OTHM Qualification Level 5 EQF		
10	Professional Certificate in Facility Management Specialist (Estate &	FMS-EP	RM 7,800.00
	Plantation) with OTHM Qualification Level 5 EQF		

7.0 REGISTRATION AND PAYMENT PROCESS

- 7.1) All registration will be channeled to www.megajatiacademy.com/fms website and all information about the program is stated in the page.
- 7.2) Participant will be added into MJA's ONLINE Learning Platform (Learning Management System, LMS) and all learning materials will be uploaded there. Self-Learning and assessment activities will be taking place for consecutive 3 months. The detailed timeline is given on the website.
- 7.3) All assessment is embedded in the three (3) months duration.
- 7.4) Official Results will be issued by OTHM about 1-3 months after the course completed.
- 7.5) Issuance of shared certificates (USM-MJA-OTHM) along with this collaboration will be practiced. The sample of the certificate is shown in attachment.
- 7.7) The Certificate will be fixed with a QR Code that linked to the OFFICIAL PARTICIPANTS LIST issued by OTHM Qualification United Kingdom that will be published in OTHM's website. This is to enable cross-checking name list in the issue of discrepancies in future.

7.8) Payment Method Available:

- 1) Cash transfer
- 2) Cheque
- 3) Local Order (LO)
- 4) HRDCorp Levi
- 5) Credit Card
- 6) E-Wallet
- 7) Easy Payment

7.9) All payments shall be made directly to Mega Jati Academy with below options:

NO	TYPE OF PAYMENT	ACCOUNT NAME	BANK	ACCOUNT NUMBER		
1	Cash, Cheque, Transfer	Mega Jati ACADEMY Sdn Bhd	Bank Islam Malaysia Berhad, Bandar Sri Damansara	1427-401000-7241		
2	LO, HRDF	Mega Jati ACADEMY Sdn Bhd	Bank Islam Malaysia Berhad, Bandar Sri Damansara	SWIFT CODE: BIMBMYKL		
4	HRDCorp SBL Khas Scheme	Mega Jati ACADEMY Sdn Bhd	N/A	1240301V		
5	Online Full Payment Gateway	Mega Jati ACADEMY Sdn Bhd	https://toyyibpay.com/usm-fms			
6	Credit Card / E-Wallet	Mega Jati ACADEMY Sdn Bhd	https://app.senangpay.my/shop/fms_usm			
7	Easy Payment (4 Months)	Mega Jati ACADEMY Sdn Bhd	https://app.senangpay.my/payment/166149696354			

For any enquiry, please contact: Mdm Rini: +6019 234 9906 Mdm Z: +6017 419 3031

9.0 COURSE OUTLINE

COURSE	#INTERNATIONAL PROFESSIONAL CERTIFICATE PROGRAM FOR CONSTRUCTION PERSONNEL 2022: USM-MJA JOIN COLLABORATION					
DURATION REQUIRED	3 MONTHS	EFFORTS HOUR	6-10 HOURS / WEEK	EST 10 HRS TOTAL ASSESSMENT		
METHOD OF LEARNING	SELF- LEARNING PORTAL, DISCUSSION, KNOWLEDGE ASSESSMENT (KA), PERFORMANCE ASSESSMENT (PA)-SELF ASSESSMENT REPORT (SAR)					
CPD AWARDED	AT LEAST CIDB CCD / MBOT CPD / BEM CPD / CPD RISM					

FACILITY MANAGEMENT SPECIALIST CERTIFIED PERSONNEL PROGRAM FOR 2022

FM SECTOR NAMING		GENERAL BUILDINGS	HEALTHCARE SERVICES	WATER SERVICES	ROAD & HIGHWAY	RAILWAY ASSETS MANAGEMENT	ENERGY, OIL & GAS	AIRPORT & GROUND SERVICES	PORT & HARBOUR	POWER & TELECOMMUNICATION SERVICES	ESTATE & PLANTATION MANAGEMENT
ACRONYM / FM SPECIALIST MODULE		GB	HC	WS	RH	RW	OG	AS	PH	PT	EP
	SM-6	Recreational, Sport, Theme Park, Hotel & Resort	Healthcare Energy Management Services	Sludge Disposal And Discharge Operation	Material, Plant & Machineries Management	Signalling & Communication	Sustainable Oil & Gas Management	General Aviation, Maintenance and Repair & Overhaul	Mechanical & Electrical Infrastructure In Port & Harbour	Data Centre Facilities & Infrastructures	Crop Ecology, Systems Plantation Crops & Pest Management
	SM-5	Large Factories	Sustainability Facilities Management	Water & Wastewater Instrumentation Management	Maintenance For Slope & Retaining Structures Works	Rolling Stock Maintenance	Brownfield Projects and O&M Facilities	Free Zones & Aviation Industrial Park	Container & Cargo Handling Machineries And Equipments	Telecommunication Tower Facilities & Infrastructure	Principles and Applications of Precision Agriculture
FM SPECIALIST	SM-4	Township & Mixed Development	Operational Services Management	Wastewater Treatment Plant Operation	Pavement Rehabilitation	Rail Electrification System	Procurement and Contract	Cargo Handling Facilities & Infrastructures	Warehouses, Storage Yards, Depot & Container Blocks	Renewable Energy Power Plant Operation & Maintenance	Livestock Integration in Plantation Crop & Sustainable Agriculture Development
AREA 2022 (MAXIMUM 150 SLT)	SM-3	Stratum Development	Technical Services Management	Water Distribution Operation	Routine Maintenance	Train, Station & Control Centre Operation	Safety and Security Requirement	Passenger Handling Facilities & Infrastructures	Wharves, Berthing & Mooring Facilities And Floating Structures	Conventional Energy Power Plant Operation & Maintenance	Mechanisation of Plantation Operations and Applications of Agrobiotechnology
	SM-2	Strata Commercial Buildings	Healthcare Legislation & Regulation	Water Treatment Plant Operation	Traffic Safety Operation	Permanent Way	Registration, Relevant Authorities, Codes and Standard	Airport Operations & Administration	Coastal Protective Structure & Dredging Works	Technology & Automation in FM Energy Sector & Telecommunication	Land and Soil Management, Contaminati on and Pollution
	SM-1	Strata Residential Buildings	Facilities Management In Healthcare Industry	Introduction to FM in Water Services	Classifications, Geometric Design & Administration Body	Facilities Management In Railway Industry	Introduction to Energy, Oil and Gas Industries	Introduction to Facilities Management In Airport and Ground Services	Facilities Management In Port & Harbour Infrastructure	Facilities Management In Energy Sector & Telecommunication Infrastructure	Facility Management in Estate & Plantation Management

6.0 PROGRAM DIRECTOR



Adj. Prof. Ir. Dr. Muhammad Arkam Bin Che Munaaim is a PEPC since 2005 and a MIEM in 2004. He a Registered Electrical Energy Manager (REEM) with Suruhanjaya Tenaga Malaysia (ST) and a Certified Construction Project Manager (CCPM) of Construction Industry Development Board Malaysia (CIDB). He obtained his PhD in Energy Conservation from USM (2014), Master of Science in Building Technology USM (2010), where previously in year 2000 obtained his B. Eng. (Hons) in Electrical Engineering from UTM Skudai, Johor, Malaysia. His area of working includes renewable energy (solar, mini hydro), mechanical & electrical building services, project management and engineering education training provider and advisor.

He secures about 20 both local and international affiliates and personnelsships including from the Board of Engineers (BEM), Institution of Engineers Malaysia (IEM), Institute of Engineering and Technology (IET), Institution Electrical & Electronics Engineers (IEEE), ASEAN Engineers Register (ASEAN Eng), ASEAN Chartered Professional Engineer (ACPE), Asia-Pacific Economic Cooperation Engineer (APEC Eng), EMF International PE (IntPE), Malaysia Green Building Confederation (MGBC), SPAN Qualified Person (Water & Sanitary) (SPANQP), Malaysian Water Association (MWA), Malaysian Society for Engineering & Technology (MySET), Malaysian Invention & Design Society (MINDS), Malaysian Energy Professional Association (MEPA) and Personnelss of the Association of Consulting Engineers Malaysia (ACEM). He is currently the Chief Executive Officer of Mega Jati Academy Sdn Bhd (www.megajatiacademy.com) and Director of Mega Jati Consult Sdn Bhd (www.megajaticonsult.com)

*Program Director is responsible to prepare the Course Outline, syllabus and appointment of the Speaker/s, Program Director is not necessarily the Speaker for the Course.

OTHM APPROVAL CENTRE



Approved Centre

MEGA JATI ACADEMY SDN BHD

Legal name : MEGA JATI ACADEMY SDN BHD

Company Reg. No. : 1240301-V Country : Malaysia

Centre number : DC2012488

IS AN OTHM APPROVED CENTRE

Valid until : 31 December 2023 Approval date : 22 December 2020 Issued date : 22 December 2020

Patricia Land Head of Operations OTHM Qualifications United Kingdom







Awarding Body: OTHM Level 5 CERTIFIED FACILITY MANAGEMENT SPECIALIST EUROPEAN QUALIFICATION FRAMEWORKS (EQF) LEVEL 5 APPROVED CENTRE: DC2012488 / ENDORSED LEARNING PROGRAM: MJA220512

CERTIFICATE OF COMPLETION

It is hereby certified that

<<NAME>> <<ID NO>>

Has Completed a Course

INTERNATIONAL PROFESSIONAL CERTIFICATE IN FACILITY MANAGEMENT SPECIALIST (WATER SERVICES) (LEVEL 5)

AWARDED ON 29th AUGUST 2022

ESTIMATE TOTAL EFFORTS: ± 100 HOURS

Estimated Learning Efforts: 85 Hours
Estimated Assessment Efforts: 15 Hours

RECOGNITION OF PAST LEARNING EXPERIENCE LEARNING MANAGEMENT SYSTEM PORTAL

Organized by:

SCHOOL OF CIVIL ENGINEERING UNIVERSITI SAINS MALAYSIA

MEGA JATI ACADEMY SDN BHD

Adj. Prof. Ir. Dr. MUHAMMAD ARKAM CHE MUNAAIM CHIEF EXECUTIVE OFFICER MEGA JATI ACADEMY SDN BHD

PROF. Dr. MOHD SUFFIAN YUSOFF DEAN, SCHOOL OF CIVIL ENGINEERING UNIVERSITI SAINS MALAYSIA

PROFESSIONAL CERTIFICATE

INTERNATIONAL

OTHM APPROVED CENTRE:





BOARD OF ENGINEERS
BEM ELIGIBLE FOR SELF-CLAIMING
UNDER CATEGORY 1:
FORMAL EDUCATION AND TRAINING
PROPOSED BEM 30 CPD HOURS
Time Weighed Factor * 2

No Limit per Year



MBOT 10 CPD MBOTATP/22/03/91



RISM 7 CPD BSD/CPD005/05.22

Verify Attendance



THIS CERTIFICATE NEED TO BE READ TOGETHER WITH AN OTHM CERTIFICATION ISSUED BY OTHM QUALIFICATIONS UNITED KINGDOM FOR A SUBSCRIBED QUALIFICATION FRAMEWORKS

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TRANSCRIPT

<<NAME>> (<<ID NO>>)

COURSE: INTERNATIONAL PROFESSIONAL CERTIFICATE IN FACILITY MANAGEMENT SPECIALIST (WATER SERVICES)

HAS COMPLETED A COURSE MODULES AS BELOW:

	MODULE OBTAINED	CREDIT	ECTS	
1	Facility Management in Water Services	10	5	
2	Water Treatment Plant Operation	10	5	
3	Water Distribution Operation	10	5	
4	Wastewater Treatment Plant Operation	10	5	
5	Water & Wastewater Instrumentation Management	10	5	
6	Sludge Disposal and Discharge Operation	10	5	

Awarding Body: OTHM QUALIFICATIONS, UNITED KINGDOM
COURSE: CERTIFIED FACILITY MANAGEMENT SPECIALIST (WATER SERVICES)
EUROPEAN QUALIFICATION FRAMEWORKS (EQF) LEVEL 5
APPROVED CENTRE: DC2012488 (MEGA JATI ACADEMY SDN BHD)
ENDORSED LEARNING PROGRAM: MJA220512

THIS CERTIFICATE NEED TO BE READ TOGETHER WITH AN OTHM CERTIFICATION ISSUED BY OTHM QUALIFICATIONS UNITED KINGDOM FOR A SUBSCRIBED QUALIFICATION FRAMEWORKS

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CERTIFIED FACILITY MANAGEMENT SPECIALIST (WATER SERVICES) (LEVEL 5)

This is to certify that

MUHAMMAD ARKAM CHE MUNAAIM

has successfully completed an approved programme at

MEGA JATI ACADEMY

Awarded on 22 July 2022

European Qualifications Framework (EQF) Level 5 LRN: 210630034 | 241277 | DC2012488 | ELP: MJA220512 This certificate should be read in conjunction with the accompanying transcript

Issued on 22 July 2022

Patricia Land Responsible Officer OTHM Qualifications

ELECTRONIC



76219328-01-G3G9



TRANSCRIPT OF ACADEMIC RECORD

MUHAMMAD ARKAM CHE MUNAAIM

CERTIFIED FACILITY MANAGEMENT SPECIALIST (WATER SERVICES) (LEVEL 5)

The learner has been awarded the following credits for achieving the required learning outcomes of the unit(s) listed

MEGA JATI ACADEMY

UNIT REF	TITLE	LEVEL	CREDIT	ECTS	GRADE
FWS050M1	FACILITY MANAGEMENT IN WATER SERVICES	5	10	5	PASS
FWS050M2	WATER TREATMENT PLANT OPERATION	5	10	5	PASS
FWS050M3	WATER DISTRIBUTION OPERATION	5	10	5	PASS
FWS050M4	WASTEWATER TREATMENT PLANT OPERATION	5	10	5	PASS
FWS050M5	WATER & WASTEWATER INSTRUMENTATION MANAGEMENT	5	10	5	PASS
FWS050M6	SLUDGE DISPOSAL AND DISCHARGE OPERATION	5	10	5	PASS

TOTAL CREDIT ACHIEVED: 60 | TOTAL ECTS CREDIT ACHIEVED: 30 | GRADING TYPE: PASS / FAIL

Language of assessment: English

European Qualifications Framework (EQF) Level 5 LRN: 210630034 | 241277 | DC2012488 | ELP: MJA220512 The learner has qualified for the above award on 22 July 2022

Issued on 22 July 2022

Patricia Land Responsible Officer OTHM Qualifications

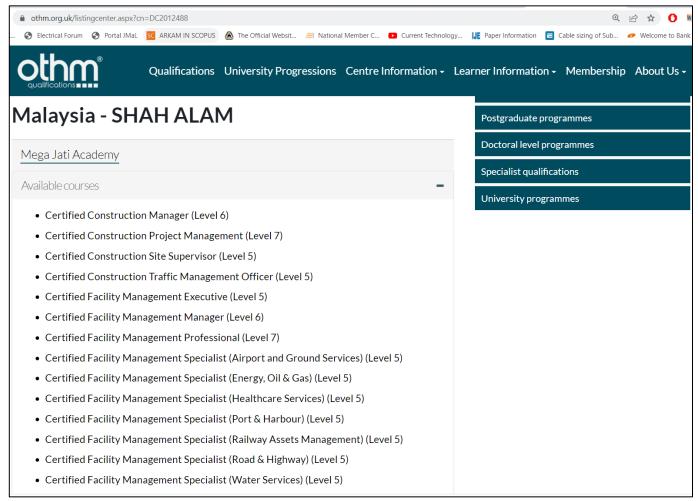
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#MEGAJATIACADEMY REGISTRATION WITH OTHM QUALIFICATION UNITED KINGDOM



Reference: https://www.othm.org.uk/listingcenter.aspx?cn=DC2012488