

PERSONAL DETAILS

NAME : **HAIRUL SHAFIQ BIN HUSIN**

AGE : 26

ADDRESS : No. 401, Block 53, Jln Plumbum,
7/100A, 40000, Shah Alam,
Selangor, Malaysia

GENDER : MALE

RELIGION : ISLAM

NATIONALITY : MALAYSIA

STATUS : SINGLE

TEL (Mobile)

: 013-4586332

EMAIL

: hairulshafiq303123@gmail.com



ACADEMIC CREDENTIALS

Qualification	Board/University	Year	Results
Bachelor (Hons.) of Mechanical Engineering	Universiti Teknologi MARA, Shah Alam	2011-2014	CGPA: 3.23
Diploma in Mechanical Engineering	Universiti Teknologi MARA, Pulau Pinang	2010-2011	CGPA: 3.28
High School	S.M.K Seksyen 7 Shah Alam	2005-2009	SPM: 3A, 4B

WORKING EXPERIENCE

Company : **MEGAPADU SDN BHD (198069-V)**

Duration : **2015 – Present**

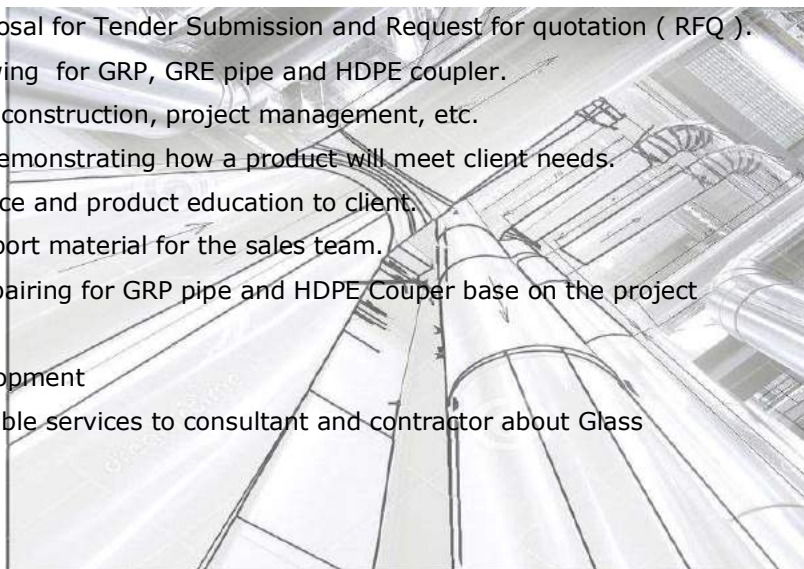
Job Designation : **Project Engineer**



Megapadu Sdn. Bhd.

Working Experiences ;

- Prepare project MTO, Technical proposal for Tender Submission and Request for quotation (RFQ).
- Prepare Technical and Isometric drawing for GRP, GRE pipe and HDPE coupler.
- Assist project team based on design, construction, project management, etc.
- Making technical presentations and demonstrating how a product will meet client needs.
- Providing pre-sales technical assistance and product education to client.
- Providing training and producing support material for the sales team.
- Providing Service, installation and repairing for GRP pipe and HDPE Coupler base on the project specification.
- Strategic planning for business development
- Delivers professional and knowledgeable services to consultant and contractor about Glass Reinforce Pipes (GRP).



Project ;

- Syarikat Air Darul Aman Sdn Bhd (SADA), Raw Water Transfer (HDPE)
- Padiberas Nasional Berhad project, Batang Lepar, Sarawak (HDPE)
- JIMAH Power Plant Raw Water Transfer Project, Port Dickson, N.Sembilan (GRP)
- Shell Sarawak SJQ : (GRE/GRP water drainage system), Sarawak
- Merbau Chondong Raw Water Transfer System Phase 2, Kelantan (GRP)
- JPP Sewerage Project D44 (GRP Jacking Pipes), Sg Bonus, Kuala Lumpur
- Refurbish Existing Factory for Klife Global Sdn Bhd, Parit Buntar, Perak
- Proposed EPCC piping subcontracting works for Littoral Combat Ship (LSC) project under Boustead Naval Shipyard Sdn Bhd
- G-Cast Sdn Bhd, Installation of pre cast GRP pipe and coupler



Company : **INOX ENGINEERING SDN BHD (INDUSTRIAL TRAINING)**
 Duration : **2013**
 Real Job Experiences : **Production and Engineering Department**



- Familiarized with the procurement of material, equipment and spare parts for fabrication industries
- Manage teams and lead several projects at the same time, and to handle pressure and tight deadlines.
- Analyze all root causes for all fabrication issues and resolve same and implement all new process tools according to required order.
- Design various ideas for all ladders and gantries and prepare detail drawings for all fabrication processes.
- Prepare, estimates and quotes for all supply materials and assist to fabricate and weld all products.
- Maintain quality for all fabrication from conceptualization to implementation and perform inspection for all painting and sandblast.
- Design all fabrication processes and appropriate schedules.

Major Project: Fabrication of Pressure Vessel Tank

Company : **HARDMETAL KNIVES SDN BHD**
 Duration : **2011**
 Real Job Experiences : **CNC Technician and Technical Support**



- Provide first line technical support to all production operation. Interact with engineering and production staff to solve production related problems.
- Work with engineering and production staff to ensure a smooth transition of new product introduction.
- Perform CNC programming for all production equipment. Transfer product design criteria into machine requirements. Transfer engineering drawing and CAD files into CAM software.
- Schedule and make a maintenance to ensure a long life machine condition.

Major Project : Machine cutting knives

CERTIFICATIONS

- BEM MALAYSIA – Graduate Engineer
- CIDB Malaysia - Green Card
- NIOSH - Oil and Gas Safety Passport (OGSP) Level 1
- BUTT WRAP LAMINATION TRAINING COURSE FOR GRP/GRE PIPE

MACHINERY SKILL

Conventional (Drilling, milling, Grinding etc.), Non-conventional (CNC), 3D Printer, Metallic/Nonmetallic piping system, GRE/GRP installation, MIG & TIG Welding

SKILLS

- **Computer Skills**
Microsoft office, Microsoft Tool, Adobe Acrobat Reader, Multimedia & Internet
- **Software**
C++, Arduino, Math Lab, SolidWork, Catia, AutoCAD, AutoCAD P&ID, Autodesk Inventor, PiC, Instrument Connection, Automation Studio, Cadsoft Eagle, Microsoft Project,

FINAL YEAR PROJECT

RESEARCH AND DEVELOPMENT CENTER PROJECT

TITLE : **Universal Search and Rescue Device**

Abstract :

- Wireless control for Thermal camera and Console.
- Design a automation system with PID tuning for process loop.
- Balancing and Jumping abilities with rugged hull structure for high impact during collision.
- Fully control by Smart Phone with interface of Android Application

Research centre : **Center Of Excellence HuRoBs**

Activities involved :

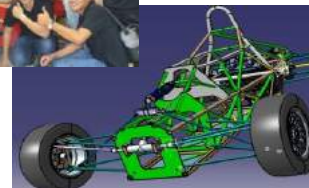


- Make a financial project proposal for development of CNC machine
- Design and development a D.I.Y CNC Milling machine
- Designing a Mechanical drawing for 3-axis movement of CNC machine table.
- Manual Micro tuning for CNC table machine.
- Wiring system connection for CNC Milling machine.
- Software and Electronics hardware tuning base on Artsoft Mach3 software.
- Design and fabrication of CNC circuit board system using Eagle Software.
- Troubleshooting an electronics and actuation components of CNC machine

EXTRA CURRICULAR ACTIVITIES

Suspension System of BOSS Team Racing Car for Mechanical Design Day Competition 2013 (UiTM)

- Designing and producing visual interpretations of automobiles suspension and their components using CAD software packages
- Deciding on the most appropriate materials for component production
- Preparing material, cost and timing estimates, design specifications
- Building prototypes of components, developing test procedures and conducting tests using software packages and physical testing methods
- Investigating mechanical failures or unexpected maintenance problems



International Malaysian Invention Competition (PRIDE 2014)

- Design and Fabrication of half stroke rehabilitation arm device
- Develop the circuit board for electronics and control system
- Develop P&IDs and loop descriptions for various plants, processes, and/or equipment.
- Develop electrical panel schematics
- Install, test, and start-up control systems on-site.
- Troubleshooting hardware and software integration
- Manage and separated the jobs scope to all group members



Malaysian International of Robotic Competition 2013 (MIRoC 2013)

- Designing a paintball robot for Combat Operation.
- Using a Unmanned Ground Vehicle Concept with full metal structure
- Using long range wireless communication to control this UGV machine
- Fabricated using manual machinery such as milling, lathe, drilling, bending and welding
- Perform equipment assembly according to engineering drawings



FKM Robotic Club

- Head Department of Automation and control system
- Trainer in Automation and control system for new members of FKM Robotic Club
- Assisting a new members of FKM Robotic on how to design a automation and control system
- Maximize the potential used of PIC program with other program such as java, android and C++.



REFERENCES

Ir. Hj. Ahmad Sharidan Ab Rahman

Head Department of Technical & Project

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12, Jalan Bursa 23/4, Kawasan Miel,
40300 Shah Alam, Selangor,
Malaysia

Email:
abrahman.asharidan@gmail.com

H/P : 0104081081

Mr Mohd Saiful Bahari Bin Shaari

Center of Excellence HuRoBs, UiTM
Supervisor

Faculty of Mechanical Engineering,
Universiti Teknologi MARA Shah
Alam, 40450 Shah Alam, Selangor.

Email:
saiful_Mechanical@yahoo.com.my

H/P: +60177910298

Shaiful Azriee Bin Mohd Bakri

Production and QA Planner,
Supervisor

INOX Engineering Sdn Bhd
7, Jalan Anggerik Mokara
31/50, Kota Kemuning, Sect
31, 40460 Shah Alam, Selangor,
Malaysia.

Email: afd1616_wira@yahoo.com

H/P: +60195511936



UNIVERSITI TEKNOLOGI MARA

It is hereby certified that

Hairul Shafiq Bin Husin

having followed the approved programme of study in the

Faculty of Mechanical Engineering

and having passed the examinations and having

fulfilled all other conditions prescribed by the

University is hereby awarded the degree of

***Bachelor of Engineering (Hons) Mechanical
Second Class (Upper)***

this 8th day of October 2014



Vice Chancellor

Registrar

UiTM1119302



UNIVERSITI TEKNOLOGI MARA

It is hereby certified that

Hairul Shafiq Bin Husin

having followed the approved programme of study in the

Faculty of Mechanical Engineering

and having passed the examinations and having

fulfilled all other conditions prescribed by the

University is hereby awarded

Diploma in Mechanical Engineering

this 20th day of October 2011



Vice Chancellor

Registrar

Official Transcript

UNIVERSITI TEKNOLOGI MARA

40450 SHAH ALAM, SELANGOR, MALAYSIA



NAME	HAIRUL SHAF Q BIN HUSIN		
FACULTY	FACULTY OF MECHANICAL ENGINEERING		
PROGRAMME	BACHELOR OF ENGINEERING (HONS) MECHANICAL		
STUDENT NUMBER	2011423632		
GENDER	MALE		
DATE OF BIRTH	07/04/1990	SESSION ADMITTED	: SEPTEMBER 2011
IC/PASSPORT NUMBER	900407105609	STATUS	: COMPLETED
CITIZENSHIP	MALAYSIAN	GRADUATION	: NOVEMBER 2014

PAGE 1 OF 3

CODE	CREDIT	COURSE	GRADE
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THESE SUBJECTS WERE EXEMPTED

CSC430	3.00	COMPUTER PROGRAMMING AND APPLICATIONS	
CTU551	2.00	ISLAM AND ASIAN CIVILIZATION	
HRJ111	1.00	NATIONAL KESATRIA I	
HBJ121	1.00	NATIONAL KESATRIA II	
HBJ131	1.00	NATIONAL KESATRIA II	
MAT435	3.00	CALCULUS FOR ENGINEERS	
MTC400	3.00	INTRODUCTION TO ENGINEERING AND PROBLEM SOLVING	
MFC410	3.00	BASIC MECHANICS	
MFC431	3.00	ENGINEERING DRAWING	
MEC441	3.00	FLUID MECHANICS	
MTC451	3.00	THERMODYNAMICS	
MFC454	1.00	THERMOFLUIDS LAB	
MFC461	3.00	MATERIALS SCIENCE	
MEM460	2.00	ENGINEERING WORKSHOP PRACTICE	

GPA : 0.00 CGPA : 0.00
HOURS EARNED : 0.00 (0.00)

SEMESTER 1 2011/2012

DEL498	2.00	COMMUNICATION AND INTERPERSONAL SKILLS	D+
BLP401	2.00	JAPANESE LANGUAGE I	A-
EEF491	3.00	ELECTRICAL POWER AND MACHINES	C+
MAT455	3.00	FURTHER CALCULUS FOR ENGINEERS	B+
MEC411	3.00	MECHANICS OF MATERIALS	B-
MEC421	3.00	DYNAMICS AND VIBRATIONS	D

GPA : 3.00 CGPA : 3.00
HOURS EARNED : 13.00 (13.00)

SEMESTER 2 2011/2012

REL422	2.00	REPORT WRITING	A-
BLP451	2.00	JAPANESE LANGUAGE II	C+
CTU553	2.00	ETHNIC RELATIONS	A-
MAT565	3.00	ADVANCED DIFFERENTIAL EQUATIONS	A
MEC424	1.00	APPLIED MECHANICS LAB	B+
MEC435	3.00	COMPUTER-AIDED DESIGN	A-
MEC442	3.00	FLUID MECHANICS II	B-

GPA : 3.30 CGPA : 3.20
HOURS EARNED : 16.00 (29.00)

INTERSESI EXAMINATION - SEMESTER 2 2011/2012

MEC421	3.00	DYNAMICS AND VIBRATIONS	A
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- See reverse for explanation of grading system.
- Release of this information to a third party requires written consent from the student.

D 0354501

Official Transcript

UNIVERSITI TEKNOLOGI MARA

40450 SHAH ALAM, SELANGOR, MALAYSIA



NAME	: HAIRUL SHAFIQ B N HUSIN	SESSION ADMITTED	: SEPTEMBER 2011
FACULTY	: FACULTY OF MECHANICAL ENGINEERING	STATUS	: COMPLETED
PROGRAMME	: BACHELOR OF ENGINEERING (HONS) MECHANICAL	GRADUATION	: NOVEMBER 2014
STUDENT NUMBER	: 2011423832		
GENDER	: MALE		
DATE OF BIRTH	: 07/04/1990		
ID/PASSPORT NUMBER	: 900407105089		
CITIZENSHIP	: MALAYSIAN		

PAGE 2 OF 3

CODE	CREDIT	COURSE	GRADE
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GPA : 4.00 CGPA : 3.27
HOURS EARNED : 3.00 (32.00)

SEMESTER 1 2012/2013

BJP601	2.00	JAPANESE LANGUAGE III	B
ECE690	3.00	ELECTRONICS AND MICROPROCESSORS	D-
MEC531	4.00	MECHANICAL ENGINEERING DESIGN I	B+
MEC551	3.00	THERMAL ENGINEERING	B-
MEC554	1.00	THERMAL FLUIDS AP	B+
MEM560	3.00	MANUFACTURING PROCESSES	B
MEM564	1.00	MANUFACTURING PROCESSES LAB	B-

GPA : 2.06 CGPA : 3.16
HOURS EARNED : 17.00 (49.00)

SEMESTER 2 2012/2013

ENT600	3.00	TECHNOLOGY ENTREPRENEURSHIP	B-
MEC500	3.00	NUMERICAL METHODS WITH APPLICATIONS	B-
MEC522	4.00	CONTROL ENGINEERING	D+
MEC532	3.00	MECHANICAL ENGINEERING DESIGN I	A-
MEM575	3.00	INDUSTRIAL MANAGEMENT	B

GPA : 3.00 CGPA : 3.13
HOURS EARNED : 12.00 (61.00)

SEMESTER 1 2013/2014

MEC522	4.00	CONTROL ENGINEERING	A-
MEC601	2.00	FINAL YEAR PROJECT I	A
MEC669	6.00	INDUSTRIAL TRAINING	A-
MLM661	3.00	APPLIED WELDING ENGINEERING	C+
MLM665	3.00	ROBOTICS AND AUTOMATION	B+

GPA : 3.43 CGPA : 3.20
HOURS EARNED : 18.00 (79.00)

SEMESTER 2 2013/2014

MEC600	3.00	ENGINEERS IN SOCIETY	C+
MEC602	4.00	FINAL YEAR PROJECT I	A-
MEC624	3.00	ADAPTIVE CONTROL	A+
MEC653	3.00	HVAC SYSTEMS	A

GPA : 3.44 CGPA : 3.23
HOURS EARNED : 13.00 (92.00)

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D0354502

Official Transcript

UNIVERSITI TEKNOLOGI MARA

40450 SHAH ALAM, SELANGOR, MALAYSIA



NAME : HAIRUL SHAHQ BIN HUSIN
FACULTY : FACULTY OF MECHANICAL ENGINEERING
PROGRAMME : BACHELOR OF ENGINEERING (HONS) MECHANICAL
STUDENT NUMBER : 2011423832
GENDER : MALE
DATE OF BIRTH : 07/04/1990
IC/PASSPORT NUMBER : 900407105668
CITIZENSHIP : MALAYSIAN

SESSION ADMITTED : SEPTEMBER 2011
STATUS : COMPLETED
GRADUATION : NOVEMBER 2014

PAGE 3 OF 3

CODE	CREDIT	COURSE	GRADE
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FOR REGISTRAR
DATE : 25/10/2014

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D0354503



NAME : HAIRUL SHAFIQ BIN HUSIN
FACULTY : FACULTY OF MECHANICAL ENGINEERING
PROGRAMME : DIPLOMA IN MECHANICAL ENGINEERING
STUDENT NUMBER : 2008270606
GENDER : MALE
DATE OF BIRTH : 07/04/1990
IC/PASSPORT NUMBER : 900407105669
CITIZENSHIP : MALAYSIAN

SESSION ADMITTED : JULY 2008
STATUS : COMPLETED
GRADUATION : OCTOBER 2011

PAGE 1 OF 2

CODE	CREDIT	COURSE	GRADE
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SEMESTER 1 2008/2009

BEL120	3.00	CONSOLIDATING LANGUAGE SKILLS	B-
CHM140	4.00	CHEMISTRY	B+
CTU101	2.00	FUNDAMENTALS OF ISLAM	B
HBU111	1.00	NATIONAL KESATRIA I	A
MAT133	3.00	PRE CALCULUS	B+
MEC100	2.00	PENGENALAN KEJURUTERAAN	B+
PHY143	3.00	PHYSICS FOR ENGINEERING I	A-

GPA : 3.28 CGPA : 3.28
HOURS EARNED : 18.00 (18.00)

SEMESTER 2 2008/2009

BEL260	3.00	INTERMEDIATE ENGLISH	C
CTU151	2.00	ISLAMIC THOUGHT AND CIVILIZATION	B
HSL115	1.00	SEPAK TAKRAW I	A
MAT183	3.00	CALCULUS	A
MEC111	3.00	STATICS	B
MEC131	2.00	TECHNICAL DRAWING	A
MEM160	2.00	AMALAN BENGKEI	B
PHY193	3.00	PHYSICS FOR ENGINEERING II	A-

GPA : 3.26 CGPA : 3.27
HOURS EARNED : 19.00 (37.00)

SEMESTER 1 2009/2010

BEL311	3.00	ENGLISH FOR ACADEMIC PURPOSES	B+
CTU211	2.00	SCIENCE AND TECHNOLOGY IN ISLAM	A-
HSL225	1.00	SEPAK TAKRAW II	A
MEC211	3.00	STRENGTH OF MATERIALS	A-
MEC221	3.00	DYNAMICS	C
MEC231	3.00	ENGINEERING DRAWING	B+
MEC281	3.00	MATERIAL SCIENCE	D
MEC291	1.00	MECHANICS AND MATERIALS LAB	B+

GPA : 3.23 CGPA : 3.26
HOURS EARNED : 16.00 (53.00)

SEMESTER 2 2009/2010

CSC130	3.00	COMPUTER CONCEPT I	C+
ELE290	4.00	BASIC ELECTRICAL ENGINEERING	B+
MAT235	3.00	CALCULUS II FOR ENGINEERS	B
MEC241	3.00	FLUID MECHANICS	A-
MEC251	3.00	THERMODYNAMICS	B

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D 0015161

Official Transcript

UNIVERSITI TEKNOLOGI MARA

40450 SHAH ALAM, SELANGOR, MALAYSIA



NAME : HAIRUL SHAFIQ BIN HUSIN
FACULTY : FACULTY OF MECHANICAL ENGINEERING
PROGRAMME : DIPLOMA IN MECHANICAL ENGINEERING
STUDENT NUMBER : 2008270606
GENDER : MALE
DATE OF BIRTH : 07/04/1990
IC/PASSPORT NUMBER : 900407105669
CITIZENSHIP : MALAYSIAN

SESSION ADMITTED : JULY 2008
STATUS : COMPLETED
GRADUATION : OCTOBER 2011

PAGE 2 OF 2

CODE	CREDIT	COURSE	GRADE
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MEC281	3.00	MATERIAL SCIENCE	B+
MEC284	1.00	THERMOFLUIDS LAB	B+

GPA : 3.13 CGPA : 3.22
HOURS EARNED : 20.00 (73.00)

SEMESTER 1 2010/2011

MEC322	3.00	CONTROL SYSTEM AND INSTRUMENTATION	A
MEC331	3.00	MACHINE ELEMENT DESIGN	B-
MEM341	3.00	FLUID POWER TECHNOLOGY	B
MEM360	3.00	MANUFACTURING PROCESSES AND TECHNOLOGY	B
MEV351	3.00	AUTOMOTIVE ENGINE TECHNOLOGY	A

GPA : 3.33 CGPA : 3.24
HOURS EARNED : 15.00 (88.00)

SEMESTER 2 2010/2011

MEC332	3.00	MECHANICAL ENGINEERING DESIGN	A-
MEC351	3.00	REFRIGERATION AND AIR CONDITIONING	B+
MEM375	3.00	PRODUCTION MANAGEMENT	B+
MEM376	3.00	PLANT ENGINEERING	A

GPA : 3.58 CGPA : 3.28
HOURS EARNED : 12.00 (100.00)

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FOR REGISTRAR
DATE : 30/09/2011

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D 0015162

Sijil Penyertaan

Hairul Shafiq Bin Husin
(900407-10-5669)

Telah menghadiri dengan jayanya

KURSUS ENGINE DEVELOPMENT & TESTING

Pada

11 hingga 17 Ogos 2014

Tempat

Universiti Teknologi MARA, Shah Alam

Anjuran

**PUSAT KEJURUTERAAN AUTOMOTIF
UNIVERSITI MALAYSIA PAHANG**



DR. ABDUL ADAM BIN ABDULLAH
Pengerah
Pusat Kejuruteraan Automotif
Universiti Malaysia Pahang



This is to certify that

HAIRUL SHAFIQ B. HUSIN

has successfully completed

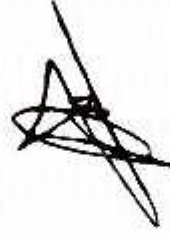
Load-out and Installation of Offshore Oil & Gas Structures

on

10th - 11th June 2015



Henry Toyad
Program Instructor
Dream Catcher Energy



Dr Dasline Sinta
CEO, Principal Consultant
Dream Catcher Energy

Certificate of Completion

This is to certify that

HAIRUL SHAFIQ BIN HUSIN

Identity Card No. : 900407-10-5669

Has successfully completed the:

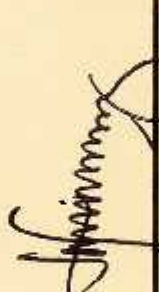
BUTT WRAP LAMINATION TRAINING COURSE FOR GRP PIPE

Date : 28th – 30th December 2015

Location of Training : Megapadu Sdn. Bhd.

CIDBHQ/C/2015/0103 (20 CCD POINTS)

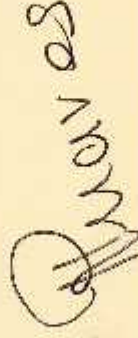




Megapadu Sdn. Bhd.



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