



CURRICULUM VITAE



I. PERSONAL PARTICULARS			
Name	Nurulhuda Binti A. Manaf		
Current Position Faculty / Department	Senior Lecturer Department of Mathematics Centre for Defence Foundation Studies (PAP)		
II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS			
(Please list all academic qualifications, from your first degree, in chronological order)			
Year	Degree	Discipline	University
2003	BSc (Hons) in Computational Mathematics	Computational Mathematics	UiTM Shah Alam
2008	MSc in Scientific Computation	Computational Mathematics	University of Sussex, UK
2018	PhD in Computer Science	Applied Mathematics & Computer Science	University of Surrey, UK
III. TITLES OF POSTGRADUATE THESES WRITTEN			
No.	TITLES OF POSTGRADUATE THESES		
1	Error Correction and Detection of BCH Codes		
2	Generating Verifiable Service Choreographies from SVBR Models		

IV. WORK EXPERIENCE (Please list your relevant experience in chronological order)			
Year	Position	Field of Work	Place of Work
2006-2007	R&D Executive	Research in Insurance industry	Takaful Ikhlas Sdn. Bhd.
2007-2009	Tutor	Teaching & Tutorial - Mathematics	Pusat Asasi Pertahanan, UPNM

1.0 TEACHING AND SUPERVISION

1.1 Foundation Courses

(Please list in chronological order and state: course title, semester and year)

No	Course Title	Semester	Year
1	FMA 0143 Basic Mathematics	Sem 2	2007/2008
2.	FMA 0116 Mathematics I	Sem 1	2010/2011
3.	FMA 0143 Basic Mathematics	Sem 1	2011/2012
4.	FMA 0124 Mathematics III	Sem 1	2011/2012
5	FMA 0124 Mathematics III	Sem 3	2011/2012
6.	FMA 0143 Basic Mathematics	Sem 1	2012/2013
7.	FMA 0116 Mathematics I	Sem 1	2012/2013
8.	FMA 0126 Mathematics II	Sem 2	2012/2013
9.	FMA 0143 Basic Mathematics	Sem 1	2013/2014
10.	FMA 0134 Mathematics III	Sem 2	2017/2018
11.	FMA 0146 Basic Mathematics	Sem 1	2018/2019
12.	FMA 0126 Mathematics II	Sem 2	2018/2019
13.	FMA 0146 Basic Mathematics	Sem 1	2019/2020
14.	FMA 0134 Mathematics III	Sem 2	2019/2020
15.	FMA 0146 Basic Mathematics	Sem 1	2020/2021
16.	FMA 0134 Mathematics III	Sem 2	2020/2021
17.	FMA 0146 Basic Mathematics	Sem 1	2021/2022
18.	FMA 0146 Basic Mathematics	Sem 1	2022/2023

1.2 Undergraduate Courses

(Please list in chronological order and state: course title, semester and year)

No	Course Title	Semester	Year
1.	Complex Variables	Sem 2	2010/2011
2.	Numerical Methods	Sem 2	2010/2011
3.	Numerical Methods	Sem 2	2011/2012

1.3 Postgraduate Courses

(Please list in chronological order and state: course title, semester and year)

No	Course Title	Semester	Year
1.	Research Methodology	Sem 1	2021/2022

1.4 Supervision (Coursework and Project)

(Please list in chronological order and state: name of student, year, project title and status)

No	Name of Student	Project Title	Year	Role (Main / Co-Supervision)	Status <ul style="list-style-type: none">• Completed• Submitted• In Progress	University
1	Muhammad Shajunanin Bin Shamsudin	Sistem Maklumat Menggunakan Kriptografi	2009/2010	Co-supervisor	Completed	UPNM
2	Nur Ayunni binti Mohd Noor	Sistem Perkhidmatan Koreografi SBVR Model	2020/2021	Main Supervisor	Completed	UPSI
3	Henry Law Wen Kui	SBVR Models system	2020/2021	Main Supervisor	Completed	UPSI

1.5 M.Sc (by Research)

(Please list in chronological order and state: name of student, year, project title and status)

No	Name of Student	Project Title	Year	Role (Main / Co-Supervision)	Status <ul style="list-style-type: none"> • Completed • Submitted • In Progress 	University
1	Nor Najihah binti Zainal Abidin	Service Interactions Coordination using a Declarative Approach from Semantics of Business Vocabulary and Rules (SBVR) Models	2020 - current	Main Supervisor	In progress	UPNM

2.0 RESEARCH AND PUBLICATION

2.1 Research Projects

(Please list in chronological order and state: title, list of researchers, grant/year, source/amount, date/duration and status) (Please bold your name)

No	Title	List of Researchers <ul style="list-style-type: none"> • Principal • Members 	Grant Year	Source Amount	Status <ul style="list-style-type: none"> • Completed • In Progress
1	Service Interactions Coordination using a Declarative Approach from Semantics of Business Vocabulary and Rules (SBVR) Models - FRGS	Principal: Nurulhuda binti A.Manaf Members: Daud bin Mohamad Fatimah binti Dato' Ahmad Muslihah Wook Nur Amalina binti Jamaludin	2018 - 2022	RM 55,000	In progress

No	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
2	Statistical Association of Tongue Characteristics of Person Described Using Oriental Medicine Practices and Their Corresponding Allopathic Health Status – RACER	Principal: Nur Diyana binti Kamaruddin Members: Ooi Chia Yee Siti Noormiza binti Makhtar Nurulhuda binti A.Manaf Sharifay Bahiyah Rahayu Mohamad Hazali bin Mohamed Halip	2019 - 2020		Completed

2.2 Publications

2.2.1 Academic Journal

(Please list in chronological order and state: authors, year, title, publisher/journal, volume and number of pages (Please bold your name))

No.	Authors, year, title, publisher/journal, volume and number of pages (Please bold your name)	Type of Journal • ISI • SCOPUS • Peer-Reviewed
1.	NA Manaf , NNZ Abidin, NA Jamaludin, “Correctness of Automatically Generated Choreography Specifications”, 2022, Lecturer Notes in Computer Science (LNCS), LNPSE, volume 12851, pp 18–32.	ISI, Peer reviewed

2.2.2 Proceeding Articles :

(Please list in chronological order and state: authors, year, title, publisher/conference, volume and number of pages (Please bold your name))

No.	Authors, year, title, publisher/conference, volume and number of pages (Please bold your name)	Level • International • National • University
1.	Nurulhuda A.Manaf , Hoo Yan Seong, Mazlinda Ibrahim, “Review of Detecting and Correcting of the Bose-Chaudhuri-Hochquengham (BCH) Codes”, Seminar Kebangsaan Aplikasi Sains dan Matematik 2010 SKASM	National
2.	N. A.Manaf , S. Moschoyiannis, and P. Krause, ”Service Choreography, SBVR, and Time,” in Foundations of Coordination Languages and Self-Adaptive Systems (FOCLASA 2015). (Oral Presentation)	International
3.	NA Manaf , A Antoniadis, S Moschoyiannis, “SBVR2Alloy: An SBVR to alloy compiler” in IEEE 10th Conference on Service-Oriented Computing and Applications (SOCA) 2017	International
4.	S Moschoyiannis, L Maglaras, NA Manaf , “Trace-based verification of rule-based service choreographies” in IEEE 11th Conference on Service-Oriented and Applications (SOCA) 2018	International
5	NA Manaf , S Moschoyiannis, “Generating choreographies from SBVR models” in AIP Conference Proceedings, 2019	International
6	NNZ Abidin, NA Manaf , S Moschoyiannis, Nur Amalina Jamaludin “Deontic Rule of Rule-Based Service Choreographies” in 2nd International Conference on Computing and and Data Science (CDS) 2021	International
7	Nor Najihah Zainal Abidin, Nurulhuda A. Manaf , Nur Amalina Jamaludin, Sotiris Moschoyiannis, “Validation and Verification of Business Rules” in RuleML+RR (Supplement) 2021	International

2.3 Presentation:

(Please list in chronological order)

No.	Event	Title of Paper Presented	Role (Keynote Speaker / Invited Speaker / Presenter)	Date	Organizer
1.	Seminar Kebangsaan Aplikasi Sains dan Matematik 2010 SKASM	Review of Detecting and Correcting of the Bose-Chaudhuri-Hochquengham (BCH) Codes	Presenter	2010	PERSAMA
2.	MathTech Conference	Generating choreographies from SBVR models	Presenter	2019	USM
3.	International Joint Conference on Rules and Reasoning 2021	Correctness of Automatically Generated Choreography Specifications	Presenter	2021	RuleML
4.	Defence, Science and Security Exhibition (DSS 2022)	A Model of Devising Distributed Applications – Service Choreographies	Presenter	2022	UPNM

3.0 ACADEMIC RECOGNITION AND LEADERSHIP, CONSULTANCY, SERVICE TO THE UNIVERSITY AND SERVICE TO THE COMMUNITY

(a) Academic Recognition and Leadership

Academic recognition and leadership such as Academic Award, Academic Assessor/External Examiner/Ph.D. Thesis Examiner, Master's Thesis Examiner/Promotion Assessor (External), Internal Thesis Examiner, Visiting Professor/Fellowship, Invited Speaker, Editorial Board and other academic recognition. (Please list in chronological order and state: Academic Recognition (e.g. award name, invited speakers etc.), year, level and awarding body/ name of institution).

No	Academic Recognition	Year	Level	Awarding Body / Name of Institution
1	Pemeriksa Skrip Jawapan Peperiksaan Semester Program Matrikulasi	21-26 April 2011	National	Kementerian Pelajaran Malaysia
2	Penceramah Jemputan Program Integrasi di bawah Program Latihan Khidmat Negara	2011	National	Kementerian Pelajaran Malaysia
3	Pemeriksa Skrip Jawapan Matematik Jurusan Sains PDT Program Matrikulasi	28 April 2012 – 03 May 2012	National	Kementerian Pelajaran Malaysia
4	Penilai kertas soalan peperiksaan akhir kursus Computing II (EFC 1203)	5 November 2012	University	UPNM
5	Penilai kertas soalan peperiksaan akhir kursus Mathematics I	5 November 2012	University	UPNM
6	Penilai kertas soalan peperiksaan akhir kursus Engineering Mathematics (EFA 2103)	1 August 2013	University	UPNM
7	Penilai kertas soalan peperiksaan akhir kursus Computing II (EFC 1203)	30 October 2013	University	UPNM

8	Technical Reviewer	2017	International	The International Conference on Engineering and Technology
9	Penilai Kolokium Siswazah	2017	University	Pusat Pengajian Siswazah UPNM
10	Penilai kolokium siswazah	30 Oktober 2018	University	UPNM
11	Penilai kertas cadangan penyelidikan geran penyelidikan, PAP (Dr. Mazlinda Ibrahim)	7 November 2018	University	UPNM
12	Penilai kertas cadangan penyelidikan geran penyelidikan, PAP (Dr. Aqilah Ahmad Dahalan)	13 Februari 2018	University	UPNM
13	Penilai Kolokium Siswazah	2021	University	Pusat Pengajian Siswazah UPNM
14	Anugerah Perkhidmatan Cemerlang	2021	University	UPNM
15	Penilai Kolokium Siswazah	2022	University	Pusat Pengajian Siswazah UPNM
16	Penilai kertas cadangan penyelidikan geran penyelidikan, (DrMazlinda Ibrahim)	2022	University	PAP, UPNM
17	Paper Reviewer	2022	International	DeclarativeAI-22

3.3 Service to the University

Service to the university such as Vice Chancellor/Deputy Vice Chancellor/Dean/Director, Deputy Dean/Deputy Director/Unit Coordinator/Hostel Warden, Programme Chairperson/ Assistant Warden/Fellow. Representing University in Sports and Other Non-Academic Activities. Professional/Academic Association (Committee Member).

(Please list in chronological order and state: position/membership and duration)

No.	Position/Membership	Duration
1.	Ketua Jabatan Matematik	2 years
2.	ICSST conference Committee	1 year
3.	Declarative-21 Committee 2022	7 months

I declare that all the information in this form is true and correct. The University has the right to withdraw or reject the application if any information in this form found to be untrue.

Signature : 

Name : Nurulhuda binti A. Manaf

Faculty/Department : Jabatan Matematik, Pusat Asasi Pertahanan, UPM.

Date : 26th August 2022