PEJABAT PENDAFTAR
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Kem Sungai Besi, 57000 Kuala Lumpur
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CURRICULUM VITAE

I. PERSONAL PARTICULARS

Name	**HOO YANN SEONG**
Current Position Faculty / Department	**Senior Lecturer, Department of Mathematics, Pusat Asasi Pertahananan**

II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS

(Please list all academic qualifications, from your first degree, in chronological order)

Year	Degree	Discipline	University
1997	Bachelor of Science (Hons.)	Mathematics	Uni. Sains Malaysia
2003	Master of Science (Mathematics)	Mathematics	Uni. Sains Malaysia
2016	Doctor of Philosophy	Applied Mathematics	Uni. Putra Malaysia

III. TITLES OF POSTGRADUATE THESES WRITTEN (At MSc/PhD Level)

No.	TITLES OF POSTGRADUATE THESES
1	Penyelesaian berangka masalah peralihan fasa pertama bagi filem nipis dalam bahan ferroelektrik (MSc.)
2	Multistep block methods for solving higher order delay differential equations (PhD)

IV. WORK EXPERIENCE (Please list your relevant experience in chronological order)

Year	Position	Organisation	Start and End Date
2000-2002	Lecturer	College Legenda Langkawi	Jul 2000- Jun 2002
2003-2008	Lecturer	College Legenda Mantin	May 2003- Jun 2008
2008-2017	Lecturer	Universiti Pertahanan Nasional Malaysia	Jul 2008-Oct 2017
2017-Now	Senior Lecturer	Universiti Pertahanan Nasional Malaysia	Oct 2017 – till now

1.0 TEACHING AND SUPERVISION

1.1 Postgraduate Courses

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

No.	Course Title	Semester	Year
1	Research Methology	1	2020,2021

1.2 First Degree Courses

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

No.	Course Title	Semester	Year
1	Numerical Methods	2	2015/2016
2	Complex Variables	1	2015/2016
3	Numerical Methods	2	2008/2009
4	Complex Variables	1	2008/2009
5	Engineering Mathematics	2	2008
6	Statistics	2	2003 - 2007

1.3 Diploma Courses

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

No.	Course Title	Semester	Year

1.4 Pre-Degree Courses

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

No.	Course Title	Semester	Year
1	Business Mathematics	2	2022,2024
2	Basic Mathematics	1	2021-2024
3	Mathematics III	2	2020,2021
4	Mathematics II	2	2019
5	Mathematics I	1	2020

1.5 PhD Supervision

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status • Completed • Submitted • In Progress	University
1	Danial Kafi	Mobile Learning	4 September 2018	Co-Supervision	dropped	UPNM

1.6 PhD External/Internal Examination

(Please list in chronological order)

No.	Name of Student	Project Title	External / Internal	Date of Viva	University
1	Nooraida Samsudin	Penambahbaikan Skema Euler menggunkan konsep pengujian ke atas litar perintang aruhan (RL)	Internal	15 Mei 2020	UPNM

1.7 MSc (by Research)

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status • Completed • Submitted • In Progress	University
1	Nurul Asyiqin Binti Mohd Fauzi	Joint segmentation and registration Model using variational approach For multi-modal images	2021	Co-Supervision	Completed	UPNM

1.8 MSc External/Internal Examination

(Please list in chronological order)

No.	Name of Student	Project Title	External / Internal	Date of Viva	University
1	Muhammad Firdaus bin Abdul Rahim	Complexity and Communication Using Chaotic Laser Model	Internal	16th July 2021	UPNM

1.9 Supervision (Postgraduate Research Project or Final Year Research Project)

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main/Co-Supervision)	Status • Completed • Submitted • In Progress
1	Ahmad Nadri bin Aznan Sham	Sistem pemantauan kehadiran kelas menggunakan kod QR	2017	Co-Supervision	Completed
2	Lokman Hakim bin Ahmad Demanhuri	Sistem e-pos	2018	Co-Supervision	Completed
3	Muhammad Adib bin Abdul Hamid	System permarkahan Latihan Industri	2019	Co-Supervision	Completed
4	Muhamad Arif Aizad bin Mior Mohd Nizar	Smart dustbin	2020	Co-Supervision	Completed
5	Nurislah Izzati bt. Ibrahim	Mini First Responder Drone	2021	Co-Supervision	Completed
6	NURUL NAJAA BINTI JAMALUDIN	ALERT WRISTBAND AND TRACKING	2023	Co-Supervision	Completed

		SYSTEM (AWATS)			
7	Syed Muhammad Danial bin Syed Mazlam	*The Influence Of Road Geometry On Flash Flood Incidents*	2023	Co-Supervision	Completed

2.0 RESEARCH, PUBLICATION AND PRESENTATION

2.1 Research Projects

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

No.	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
1	Optimal values of local adaptive regularisation parameter for non-parametric image registration models	**Hoo Yann Seong, (Principle)** Mazlinda Ibrahim, Suzaimah Ramli	2016	RM20,000	Completed
2	Fusion of the visible and thermal images for military operation	Mazlinda Ibrahim (Principle) Hoo Yann Seong, Siti Zulaikha Ngah Demon, Suzaimah Ramli, Syed Nasir Alsagoff Syed Zakaria	2016	RM 35,000	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	**Hoo Yann Seong**, Zanariah Abdul Majid and Fudziah Ismail, 2013, Solving Second-Order Delay Differential Equations by Direct Adams-	ISI

	Moulton Method, Mathematical Problems in Engineering 01/2013; 2013. DOI:10.1155/2013/261240	
2	**Hoo Yann Seong** and Zanariah Abdul Majid, 2015, Solving second order delay differential equations using direct two-point block method, Ain Shams Engineering Journal, DOI:10.1016/j.asej.2015.07.014	SCOPUS

2.2.2 Book/Chapter in Book:

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

No.	Authors, year, title, publisher, volume and number of pages (Please bold your name)	Level • International • National • University

2.2.3 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	**Hoo Yann Seong** & Zanariah Abdul Majidm Kaedah Langsung bagi menyelesaikan persamaan pembezaan lengah peringkat kedua, symposium kebangsaan ke 20, 2012	National
2	**Hoo Yann Seong**, Zanariah Abdul Majid, Mohamed Suleiman, Fudziah Islamil dan Khairil Iskandar Othman, Solving second order retarded delay differential equations using block method, Fundamental Science Congress 2013	National
3	**Hoo Yann Seong** & Zanariah Abdul Majid, Fifth order predictor-corrector methods for solving third order delay differential equations, international conference on quantitative sciences and its applications 2014	International
4	**Hoo Yann Seong** & Zanariah Abdul Majid, Solving delay differential equations of pantograph type using predictor-corrector method, international Conference on Mathematics, Engineering & Industial Applications 2014	International
5	**Hoo Yann Seong** & Zanariah Abdul Majid, Solving neutral delay differential equations of pantograph type by using multistep block method, ICREM7 2015	International

2.3 Presentation:

(Please list in chronological order)

No.	Event	Title of Paper Presented	Role (Keynote Speaker / Invited Speaker / Presenter)	Date	Organizer
1	symposium kebangsaan ke 20	Kaedah Langsung bagi menyelesaikan persamaan pembezaan lengah peringkat kedua	Presenter	2012	UPM
2	Fundamental Science Congress 2013	Solving second order retarded delay differential equations using block method	Presenter	2013	UPM
3	international conference on quantitative sciences and its applications 2014	Fifth order predictor-corrector methods for solving third order delay differential equations	Presenter	2014	UUM
4	international Conference on Mathematics, Engineering & Industial Applications 2014	Solving delay differential equations of pantograph type using predictor-corrector method	Presenter	2014	UniMap
5	ICREM7	Solving neutral delay differential equations of pantograph type by using multistep block method	Presenter	2015	UPM

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

3.1 Academic Recognition and Leadership

Academic recognition and leadership such as Academic Award, Academic Assessor/ /Promotion Assessor (External), Visiting Professor/Fellowship, Editorial Board and other academic recognition.

No.	Academic Recognition	Year	Level	Awarding Body / Name of Institution

3.2 Consultancy work that benefited to the University.

(Please list in chronological order and state: title, year, sponsor, value and duration of consultancy)

No.	Title	Year	Sponsor	Value	Duration

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.	Penasihat Akademik	2008/2009 2016-2024
3.	Penggubal soalan matrikulasi	2023
2.	Penilai kertas peperiksaan matrikulasi	2010-2016
3.	Penyelaras Subjek	2010-2011 2016-2024
4.	AJK Program Ijazah Sarjana Muda (sains Forensik)	2015/2016
5.	AJK Kluster Sains Tulin	2016/2017
5.	AJK pelaksana bagi pertandingan olimpiad matematik university awam	2016

3.4 Service to the community

(Please list in chronological order)

No.	Organization	Role	Start Date	End Date	Level
1	*Association of Science, Technology and Innovation*	Judge	2023,2024	2023,2024	South East Asia
2	Juara Suria Aprtment	Tenaga Pengajar	2016	2016	Sekolah menengah
3	Sekolah Kebangsaan Desa Putra	Tenaga Pengajar	2019	2019	Sekolah rendah