



**CURRICULUM VITAE**



**I. PERSONAL PARTICULARS**

<b>Name</b>	<b>Muhammad Fairuz Bin Abd Rauf</b>
<b>Current Position Faculty / Department</b>	<b>Senior Lecturer, Computer Science Department, Faculty of Science and Defence Technology</b>

**II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS**

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

<b>Year</b>	<b>Degree</b>	<b>Discipline</b>	<b>University</b>
2007	Bachelor in Information Technology	Industrial Computing	UNISEL
2010	Master in Information Technology	Project Management	UNISEL
2022	PhD in Computing	Computer Science	UNISEL

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

<b>No.</b>	<b>TITLES OF POSTGRADUATE THESES</b>
1.	(MSc) Critical Success Factor (CSF) for Final Year Project Student
2.	(PhD) Game Development Framework for Rehabilitation of Parkinson Disease Patient

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

Year	Position	Organisation	Start and End Date
2007	System Engineer	Perodua	27 November 2006 - 31 March 2007
2007	Assistant Lecturer	UNISEL	16 July 2007 – 31 January 2010
2010	Lecturer	UNISEL	1 February 2010 – 15 August 2021
2021	Senior Lecturer	UNISEL	16 August 2021 – 28 February 2023
2023	Senior Lecturer	UPNM	1 March 2023 – current date

**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.	Project Management	2	2021

**1.2 First Degree Courses**

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

No.	Course Title	Semester	Year
1.	Discrete Mathematics	1	2022
2.	Statistics	2	2023
3.	Operation Management	3	2023

**1.3 Diploma Courses**

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

No.	Course Title	Semester	Year
1.			
2.			
3.			

#### 1.4 Pre-Degree Courses

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

No.	Course Title	Semester	Year

#### 1.5 PhD Supervision

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status <ul style="list-style-type: none"><li>• Completed</li><li>• Submitted</li><li>• In Progress</li></ul>	University

#### 1.6 PhD External/Internal Examination

(Please list in chronological order)

No.	Name of Student	Project Title	External / Internal	Date of Viva	University

### 1.7 MSc (by Research)

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status <ul style="list-style-type: none"><li>• Completed</li><li>• Submitted</li><li>• In Progress</li></ul>	University

### 1.8 MSc External/Internal Examination

(Please list in chronological order)

No.	Name of Student	Project Title	External / Internal	Date of Viva	University

### 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 <ul style="list-style-type: none"><li>• Completed</li><li>• Submitted</li><li>• In Progress</li></ul>

## 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

### 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.	Mohd Fahmi Mohamad Amran, Yamunah Kathiravan, Noor Afiza Mat Razali, Raja Mohd Tariqi Raja Lope Ahmad, Zuraidy Adnan, Muhammad Fairuz Abd Rauf, Mohd Afizi Mohd Shukran, "Secure user Browser Activity using Hybrid Data Hiding Techniques". International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-9 Issue-1, May 2020	Scopus
2.	Nahdatul Akma Ahmad, Azaliza Azaliza Zainal, Muhammad Fairuz Abd Rauf, Tengku Shahrom Tengku Shahdan, Fadia Razali, Noor Hidayah Azmi, Mohd Hafizuddin Mohd Yusof, Zirawani Baharum, "Development of Virtual Reality Game for the Rehabilitation of Upper Limb Control in the Elderly Patients with Stroke". Selangor Science & Technology Review (SeSTeR).	Peer-Reviewed
3.	Khairul Annuar Abdullah, Muhammad Fairuz Abd. Rauf, Riza Sulaiman, "Inverse Kinematic Manipulation Control and Curve Trajectory Tracking of Robotic Arm Using Trigonometric Tangential Mathematical Models". 2nd International Conference on Informatics, Computing, and Applied Mathematics (ICICAM 2019)	Scopus

4.	Fairuz Rauf, Mohd Fahmi Mohamad Amran, Suziyanti Marjudi, Nur Amlya Abd Majid, "Rehabilitation Process for Parkinson Disease Patient using Exergames," International Journal for Computer Application, Digital Library URI : <a href="http://www.ijcaonline.org/archives/volume141/number11/24825-2016909841">http://www.ijcaonline.org/archives/volume141/number11/24825-2016909841</a> ISBN : 973-93-80893-13-6	Peer-Reviewed
5.	Fairuz Rauf, Maalik Ithing, Zuraidy Adnan, "Personal Cloud Storage Using Raspberry Pi" International Journal for Computer Application, Digital Library URL: <a href="http://www.ijcaonline.org/archives/volume180/number22/29062-2018916331">http://www.ijcaonline.org/archives/volume180/number22/29062-2018916331</a> ISBN: 973-93-80898-23-5	Peer-Reviewed
6.	Fairuz Rauf, Youagenraaj Kalai Selvan, Zuraidy Adnan, "Course Allocation System for Lecturers" International Journal for Computer Application, Digital Library URL: <a href="http://www.ijcaonline.org/archives/volume180/number22/29063-2018916344">http://www.ijcaonline.org/archives/volume180/number22/29063-2018916344</a> ISBN: 973-93-80898-23-5	Peer-Reviewed
7.	Nur Amlya Abd Majid, Haslinda Sutan Ahmad Naw, Fairuz Rauf, Faudzi Ahmad, "Critical Success Factors in IT Project Outsourcing: A Case Study at GLC Organization," International Conference in Information Technology and Business Application 2015	Peer-Reviewed
8.	Mohd Fahmi Mohamad Amran, Riza Sulaiman, Saliyah Kahar, Suziyanti Marjudi and Fairuz Rauf, "A Proposed Information Extraction Technique in Engineering Drawing for Reuse Design," International Conference on Industrial and Information Engineering, Volume 62, 2012	Scopus
9.	Suziyanti Marjudi, Riza Sulaiman, Nur Amlya Abd Majid, Mohd Fahmi Mohamad Amran, Muhammad Fairuz Abd Rauf, Saliyah Kahar, 'QFD in Malaysian SMEs Food Packaging CAD (PackCAD) Testing', 4th International Conference on Electrical Engineering and Informatics, ICEEI 2013	Scopus
10.	Fairuz Rauf, Hema Subramaniam, Marina Hassan, Siti Fatimah Omar, "Impact of Online Social Network in Educational Institution: A case Study in UNISEL," International Conference organized by KUIS, 2010	Peer-Reviewed

### 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
		<ul style="list-style-type: none"> <li>• International</li> <li>• National</li> <li>• University</li> </ul>

### 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 <ul style="list-style-type: none"><li>• International</li><li>• National</li><li>• University</li></ul>

### 2.3 Presentation:

(Please list in chronological order)

No.	Event	Title of Paper Presented	Role (Keynote Speaker / Invited Speaker / Presenter)	Date	Organizer

## 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.	Director of CICT	2 years
2.	Head Of Program	5 years

### 3.4 Service to the community

(Please list in chronological order)

No.	Organization	Role	Start Date	End Date	Level