



HANIS SAFIRAH SAIFUL ANUAR

31 Years Old

Married

Ayu Heights Apartment, Lintang Bukit Jambul, 11900 Bayan Lepas, Pulau Pinang

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PERSONAL PROFILE

Experienced in research field as a PhD student and research assistant. I able to search, extract and evaluate information relevant to particular topic. I can organize my works to meet the deadlines systematically. I interest in exploring a deeper understanding knowledge by reading many references and collaborating with other researchers. Furthermore, with extensive experience working within secondary school as substitute teacher, I have the organisational skills to assist with planning and preparation of successful lessons, monitor students learning and assess pupils as well as the ability to encourage students to learn through motivation and positive behaviour. I have a well knowledge on providing effective Mathematics learning as well as a creative attitude towards teaching and the self-awareness to lead by example in showing students how to be socially responsible and be excellent students.

CAREER SUMMARY

November 2017- November 2018 **GRADUATE RESEARCH ASSISTANT** SCHOOL OF MATHEMATICAL SCIENCES, USM

Outline:

Conduct and assist a mathematical research project entitle Semi-Analytical Technique and B-Spline Collocation method in The Solution of Solitary Wave Problems.

Key responsibilities:

- Aligning methodologies with research goals.
- Perform literature review.
- Using tools including software to conduct research.
- Come out with results, summarize findings and writing reports.
- Publish conference proceeding papers and journals
- Prepare progress reports and check work progress.
- Attend project meetings

June – Aug 2012 **REPLACEMENT TEACHER** SMK GEDANGSA, GEDANGSA, SELANGOR

Apr – June 2022 **SMK (P) ST. GEORGE, GEORGETOWN, PULAU PINANG**

Outline:

Working as classroom teacher of form 3 students and working also mainly as Mathematics teacher for form 1 and form 3 students in SMK Gedangsa and classroom teacher of form 2 in SMK (P) St. George.

Key responsibilities:

- Teaching Mathematics for form 1, form 2 and form 3 students.
- Teaching History for form 2 students.
- Prepare lessons with books and equipment.
- Aware of lesson expectations and learning needs.
- Conducting classroom management.
- Resolving pupil conflicts and encouraging responsibility for behaviour.
- Observing pupil and monitoring responses to learning activities.
- Marking and correcting class works and examination papers and recording pupil's progress.
- Doing weekly lesson planning.
- Ensuring pupils are learning in a safe and happy environment.
- Being a positive role model for students in terms of behaviour, dress code and punctuality.

December 2010-
April 2011

COMPANY COUNTER CLERK AND SHOP ASSISTANT HUI YING ENT., SELANGOR

Outline:

Customer facing role delivering a wide range of services to the local community, processing various transactions and working to challenging product sales targets.

EDUCATION

2017 - 2022 MATHEMATICS (NUMERICAL ANALYSIS) DOCTOR OF PHILOSOPHY

Conduct research entitle B-Spline Collocation Methods For Coupled Nonlinear Schrodinger Equation.

📍 Universiti Sains Malaysia

2015 - 2016 SCIENCE (MATHEMATICS) MASTER'S DEGREE

Relevant Courses Taken : Mathematical Modelling, Computational Mathematics, Computational Linear Algebra, Numerical Methods for Differential Equations, Curve and Surface Methods for CAGD and dissertation on b-spline. Got dean certificates for all semesters.

Cumulative GPA: 4.00

📍 Universiti Sains Malaysia

2012 - 2015 SCIENCE (HONOURS) (MATHEMATICS) BACHELOR'S DEGREE

Major: Mathematics

Relevant Courses Taken: Calculus, Linear Algebra, Programming for Scientific Applications, Advance Calculus, Fluid Mechanics, Engineering Computation, Logic and Applications, Statistical Inference, Differential Equations, Further Linear Algebra, Elementary Statistics, Mathematical Software, Introduction to Analysis, Probability Theory and Modern Algebra.

Minor: Management

Relevant Courses Taken: Introduction to Management, Accounting and Finance, Marketing and Organizational Behavior.

Cumulative GPA: 3.40

📍 Universiti Sains Malaysia

2011 SCIENCE (MODULE 3) MATRICULATION

Relevant Courses Taken: Biology, Physics, Chemistry, Mathematics and Computer Science.

Cumulative GPA: 3.68

📍 Selangor Matriculation College

2010 SCIENCE STREAM SPM

Relevant Courses Taken: Bahasa Melayu, Bahasa Inggeris, Pendidikan Islam, Sejarah, Biology, Physics, Chemistry, Additional Mathematics, Bahasa Arab Tinggi and Mathematics.

Results: 6A 3B 1C

📍 SMK Syed Mashor

PUBLICATIONS

1. Saiful Anuar, H. S., Mafazi, N. H., Abd Hamid, N. N., Abd. Majid, A., & Azmi, A. (2017). Solving Dym equation using quartic B-spline and quartic trigonometric B-spline collocation methods. In AIP Conference Proceedings (Vol. 1870).
2. Saiful Anuar, H. S., Azmi, A., Abd. Majid, A., & Abd Hamid, N. N. (2018). Solving coupled nonlinear Schrodinger equation using cubic B-spline interpolation and finite difference methods. In AIP Conference Proceedings (Vol. 1974).
3. Saiful Anuar, H. S., Azmi, A., Md. Ismail, A. I., & Abd Hamid, N. N. (2019). Solving coupled nonlinear Schrodinger equation using finite difference method and hybrid cubic B-spline collocation method. In AIP Conference Proceedings (Vol. 2184).
4. Ahmad, A., Saiful Anuar, H. S., Azmi, A., & Abd Hamid, N. N. (2023). Improved Order of Convergent of Cubic B-spline Collocation Method for the Nonlinear Schrodinger equation on Single Soliton. AIP Conference Proceedings (Awaiting publication)

ACHIEVEMENTS / PARTICIPATIONS

SEAMS SCHOOL 2018 ON DYNAMICAL SYSTEMS AND BIFURCATION ANALYSIS

Certification from School of Mathematical Sciences, Universiti Sains Malaysia (2018)
USM/PPSM/JMS17/101/2017

POSTGRADUATE BRAINSTORMING SEMINAR 3

Certification from School of Mathematical Sciences, Universiti Sains Malaysia
USM/PPSM/PBS17/001/2017

DEAN'S LIST:-

BACHELOR'S DEGREE

- Semester 1 and 2 (Academic Session 2013/2014)
- Semester 1 and 2 (Academic Session 2014/2015)

MASTER'S DEGREE

- Semester 1 and 2 (Academic Session 2015/2016)

Certification from School of Mathematical Sciences, Universiti Sains Malaysia

WORKSHOP: INTRODUCTION TO LATEX

Certification from School of Mathematical Sciences, Universiti Sains Malaysia (2018)

JOINT MATHEMATICS SEMINAR USM-UMT 2017

Certification from School of Mathematical Sciences, Universiti Sains Malaysia
USM/PPSM/JMS17/101/2017

DATA SCIENCE LITERACY WORKSHOP 2024

Participant organized by School of Computer Sciences, Universiti Sains Malaysia (26/2 – 1/3/24)

DATA SCIENCE LITERACY WORKSHOP 2024

Instructor for this workshop organized by School of Mathematical Sciences, Universiti Teknologi Mara Cawangan Pulau Pinang (10/5, 24/5 & 21/6/24)

PROFESSIONAL AND PERSONAL SKILLS

MS WORD	<div style="width: 100%;"></div>	100
MS POWER POINT	<div style="width: 80%;"></div>	80
MATLAB	<div style="width: 55%;"></div>	55
MATHEMATICA	<div style="width: 100%;"></div>	100
MS EXCEL	<div style="width: 50%;"></div>	50
LATEX	<div style="width: 100%;"></div>	100
TEAMWORK	<div style="width: 100%;"></div>	100
PROBLEM SOLVING	<div style="width: 100%;"></div>	100
VERBAL & WRITTEN COMMUNICATIONS	<div style="width: 100%;"></div>	100

LANGUAGES

MALAY	<div style="width: 100%;"></div>	100
ENGLISH	<div style="width: 80%;"></div>	80

REFERENCES

Dr. Amirah Azmi

Senior lecturer,
Universiti Sains Malaysia,
Pulau Pinang.
012-5808000
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Dr. Azhar Ahmad

Senior lecturer,
Universiti Teknologi Mara,
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012-4866740
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Dian Bin Masri

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