



SIJIL KOMPETENSI ASAS AKADEMIK

Modul 7D : Supervision Skill



**PROFESSOR DR
NOR HANIZA SARMIN**

Dept. of Mathematical Sciences
Faculty of Science
UTM Johor Bahru
Johor, Malaysia

nhs@utm.my



6 August 2024



Objective of the Course

The main objective of this course is to equip supervisors with the necessary knowledge, tools, and leadership skills to effectively manage supervision activities for final year project undergraduate students, and for post graduate students doing research.

Different research levels in the university (undergraduate degree, master, and PhD) and how they differ will be discussed. Next, the scope of undergraduate and post graduate research will be highlighted.

The course will also cover various topics including

- the role and responsibilities of a supervisor
- issues in supervision
- tips to develop trust and professional relationship
- eligibility for postgraduate supervision
- administrative and procedural requirements for registration, academic rules and regulations
- handling examination for research students.

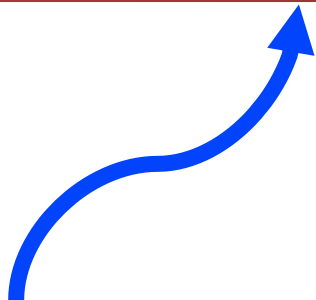
This course is expected to contribute to excellent supervisors in the university.

MY BACKGROUND



State University of New York at Binghamton
(now known as Binghamton University), New York, USA

Joined Dept of Mathematics,
Faculty of Science, UTM on
2 May 1991
as a Lecturer



B.Sc (Hons) Mathematics
(Minor in Economics)

MA Mathematics

PhD Mathematics

ADMIN IN UTM



**Head, Dept of Postgraduate
Studies, Faculty of Science
Nov 2007 – July 2012**

ADMIN IN UTM



**Deputy Dean, School of
Postgraduate Studies
1 August 2012 –
31 March 2016**

ADMIN IN UTM



**Director (Global Education & Student Experience),
UTM International
1 April 2016 – 31 March 2018**



**Associate Director (Student Services & Global Education Experience),
UTM International
1 April 2018 – 14 August 2019**

ADMIN IN UTM

GLOBAL STRATEGY AND ENGAGEMENT DIVISION UTM INTERNATIONAL

International Relations



Virtual International Engagement (VIE) 2020



WORLD TECHNOLOGY
UNIVERSITIES NETWORK



Staff Mobility (Inbound)



Mr. Hikmet Gokhan Kilic from Middle East Technical University, Turkey

Staff Mobility (Outbound)



EURIE Istanbul Turkey 2020

International Alliances



ATU-Net
Asia Technological University Network
<http://atunet.org>



8th ATU-Net Board Meeting 2020

Virtual University Presidents Forum (VUPF) 2020



Ranking



<https://www.utm.my/international>

relations@utm.my

**Associate Director (Global Strategy & Engagement),
UTM International**

15 August 2019 – 31 December 2022

ADMIN IN UTM



GLOBAL STRATEGY AND ENGAGEMENT

International Alliances



International Partners



Staff Mobility (Inbound)



Ranking



CORPORATE AND STUDENT SERVICES



Global Residence
www.facebook.com/globalresidenceutminternational



Welcoming New International Students



GLOBAL EDUCATION AND STUDENT EXPERIENCE



Student Mobility (Outbound)



Student Experience



International Students Well-being

Student Mobility (Inbound)



UTM INTERNATIONAL KUALA LUMPUR

Academic Visit



Courtesy Visit



<https://www.utm.my/international>

international@utm.my

Acting Director (UTM International)
1 August 2022 – 31 January 2023

Tel: +(6)07-5530000 Fax: +(6)07-5579376 <http://www.utm.my>

OUR REF.:

UTM.(S) J 08.02.02/10.14/200 Jld. 3 (82)

YOUR REF.:

29 Januari 2020 / 4 Jamadilakhir 1441H

Prof. Dr. Nor Haniza binti Sarmin
Profesor
Fakulti Sains
UTM Johor Bahru

YBrs. Prof.,

**PELANTIKAN SEBAGAI AHLI SENAT UNIVERSITI TEKNOLOGI
MALAYSIA**

Tahniah diucapkan kepada YBrs. Prof. di atas pelantikan sebagai Ahli Senat Universiti Teknologi Malaysia.

2. Sukacita dimaklumkan pelantikan YBrs. Prof. adalah di bawah peruntukan Subperenggan 22(1)(d), Perlembagaan Universiti Teknologi Malaysia.

3. Dimaklumkan juga YBrs. Prof. dilantik sebagai Wakil Senat dalam Jawatankuasa Tetap Senat seperti berikut :

- a. **Jawatankuasa Tetap Senat Peperiksaan dan Pengijazahan;**
- b. **Jawatankuasa Tetap Senat Pembangunan Pelajar;**
- c. **Jawatankuasa Perpustakaan dan Sumber Pendidikan;**
- d. **Jawatankuasa Dasar dan Entiti Universiti.**

4. Perantikan ini berkuatkuasa selama Tiga (3) tahun mulai daripada **16 Januari 2020** sehingga **15 Januari 2023**. Bersama-sama ini dikemukakan Terma Rujukan Senat UTM dan Terma Rujukan Jawatankuasa Tetap Senat berkaitan.

5. Kerjasama dan sumbangan idea YBrs. Prof. diharapkan dapat memacu dan memperkasakan pembangunan akademik Universiti ini.

Sekian, terima kasih.

"BERKHIDMAT UNTUK NEGARA KERANA ALLAH"

Saya yang menjalankan amanah,



PROF. DATUK I.R. DR. WAHID BIN OMAR
Naib Canselor

SENATE MEMBER

**16 January 2020 –
15 January 2023**

Congratulations

**PROFESSOR
DR. NOR HANIZA
SARMIN**

FACULTY OF SCIENCE
UNIVERSITI TEKNOLOGI MALAYSIA



FOR BEING SELECTED AS THE
RECIPIENT OF:

**UKCGE
RECOGNISED
RESEARCH
SUPERVISOR**



**RECOGNISED
RESEARCH
SUPERVISOR**
UK Council for Graduate Education



School of Graduate Studies UTM ...

★ Favorites · January 9, 2023 · 🌐

Greetings,

Congratulations to Professor Dr. Nor Haniza Sarmin from the Department of Mathematical Sciences, Faculty of Science, Universiti Teknologi Malaysia for being selected as the recipient of '**Recognised Research Supervisor**' by the UK Council for Graduate Education (UKCGE) for her excellent supervisory practice.

Introduction

WHAT IS A SUPERVISOR?

Supervisor for Undergraduate Student

An academic staff who **offers guidance** to one or more undergraduate student/s for their Undergraduate Project (PSM).

The supervisor must follow up with the student **from his registration** in the course until he **submitted the final report** after corrections.

Academic Supervisor

The Academic Supervisor is a member of the faculty who **offers guidance** to one or more graduate study student/s in a study program.

The supervisor must follow up with the student **from his acceptance** in the program until he **obtains the certificate** he is studying for.

DIFFERENCES

- PSM
- M.Sc. (Project)
- M.Sc. (Dissertation)
- M.Sc. (Thesis)
- Ph.D. (Thesis)

Undergraduate Project Student (PSM)

A scientific study **related to the field of study** at the Faculty that must be carried out by every student in order to fulfill one of the requirements to obtain a Bachelor's Degree.

This scientific study is carried out **independently** under the guidance of **supervisors** to develop students' potential by **using knowledge and skills in their respective fields**.

An undergraduate project is typically between **60 - 100 pages**.

Duration :- **One year**

Objectives of Undergraduate Project (PSM)

Objectives :

1. Adhere to the **known/new** solutions of the research problem based on the systematic **research methodology**.
2. **Analyse** the qualitative/quantitative data collected confidently using appropriate methods, software or digital tools.
3. Write a **research report** by compiling the knowledge, skills and application in the area of study and research problem.
4. **Present** the defined research idea, and defend arguments with confidence.

Master by Taught Course (Project)

Objectives :

A master's project is **more closely related** to a research project that the students would have completed during their undergraduate degree but in a more critical and in depth manner.

It should demonstrate their level of critical and analytical thinking and defines the subject that they are **most interested in** pursuing within their field.

A good master's project is a proof that the candidate understands and able to apply the knowledge and skills of their field, research methodology and data analyses.

A master's project is **not required** to be an original contribution to knowledge, though it may be.

A master's project is typically between **80 - 100 pages**.

Duration :- **One semester**

Master by Mixed Mode (Dissertation)

A master's dissertation is similar to a master's project. Students need to perform research on a defined scope related to their field and demonstrate their knowledge acquired through their program.

However, a dissertation requires students to be able to demonstrate ability to **critically** discuss issues and relevant literature substantiated with sufficient evidence.

A master's dissertation is typically between **100 - 150 pages**.

Duration :- **One semester**

Master by Research (Thesis)

Objectives :

A master's thesis is different from a master's dissertation in terms of the **depth of research** and the **extent of literature** covered. The literature reviewed should be **extensive** and must reflect scholarship of learning in the student's research topic as well as the student's field of study.

The **assessment** for a master's thesis is much **more rigorous** than for a master's dissertation. A master's thesis would require a **more in depth** and **critical analyses** of the current literature related to the student's topic of research. A master's thesis is typically between **150 - 200 pages**.

Duration :- **2 – 8 semesters**

PhD (Thesis)

Objectives :

Similar to a master's thesis, a PhD thesis also requires the demonstration of an **extensive academic research** and the evidence of capacity for **critical analysis** in the student's field. However, a PhD thesis must also take into consideration the expectation of **originality in the field** and the input of some relevant new information or ideas to the field of study. The **literature review** of a PhD thesis should be **exhaustive**. Academic requirements for a PhD thesis, especially the demand of originality, are much higher than for a master's thesis. The general criteria applied in assessing a master's thesis are applied in assessing a PhD thesis, but **much more rigorously**. Usually, a PhD thesis covers a **wider field**, or at least shows a greater sense of perspective, than does a master's thesis.

A PhD's thesis is typically between **150 - 300 pages**.

Duration :- **5 – 16 semesters**

Roles & Responsibilities of a Supervisor

1. Provide **guidance** on the **expected forms** and **quality of research**. This includes research planning, literature and resources, attendance in coaching classes and necessary techniques, including arranging lectures if necessary.
2. **Assist** in the **implementation** of **fieldwork/surveys** that need to be done outside of the University.
3. Ensure students **follow** the **development** of their **area of research**.
4. **Advise** on the **dates** regarding all phases of research work to ensure all milestones can be achieved on time.
5. **Revise** research **papers** produced by student and **return** it with **constructive comments** within a **reasonable time**.
6. **Encourage** students to **present** their work in seminars and **publish** in journals.
7. Make **assessments** and **submit progress reports** at the appointed time for each semester.
8. **Ensure** the **safety procedures** are followed by the students in the laboratory and while doing fieldwork in organization.

Roles & Responsibilities of a Supervisor

9. Schedule, hold and record the regular meetings with students under supervision.
10. Encourage students under supervision to submit thesis within the normal period of study (Graduate On Time).
11. The main supervisor must work along with co-supervisor(s) when supervision is involving more than one supervisor.
12. Supervisor must maintain good relationships with the students under supervision and avoid any conflicts that could affect the students' research progress.
13. Nominate the internal examiners and external examiners.
14. Ensure students are aware of all university rules and information that is related with registration.
15. Revise and ensure the project/dissertation/thesis has reached the level of award before the students submit it to the Faculty for viva.
16. Present during the viva and assist in the correction of project/dissertation/thesis.

What is GOT?

Graduate On Time (GOT)

refers to students who completed their study within normal duration.

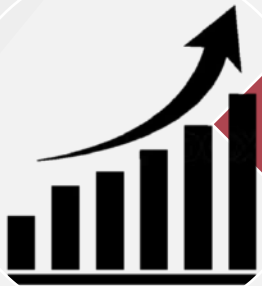


DEFINITION OF GOT (FOR PHD)



GOT-UTM/MYRAI

- 42 MONTHS

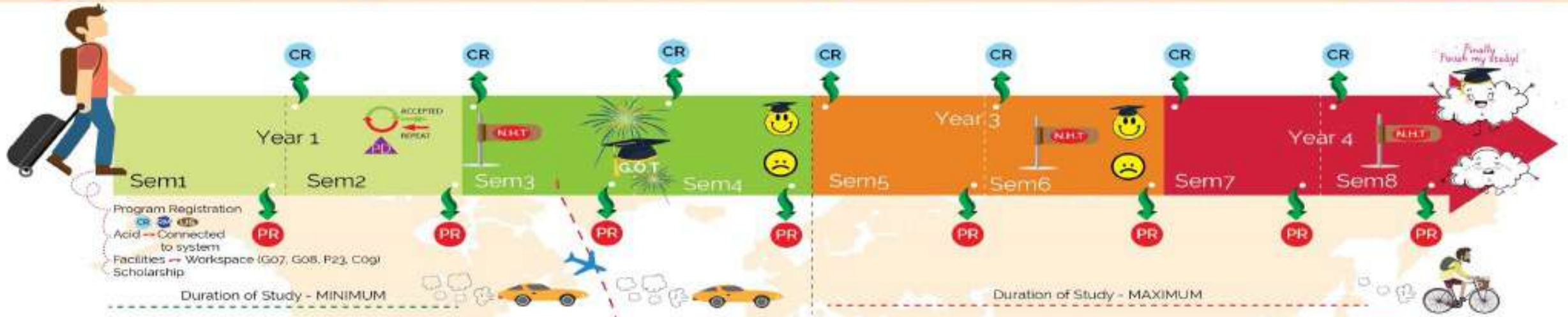


GOT-MOHE

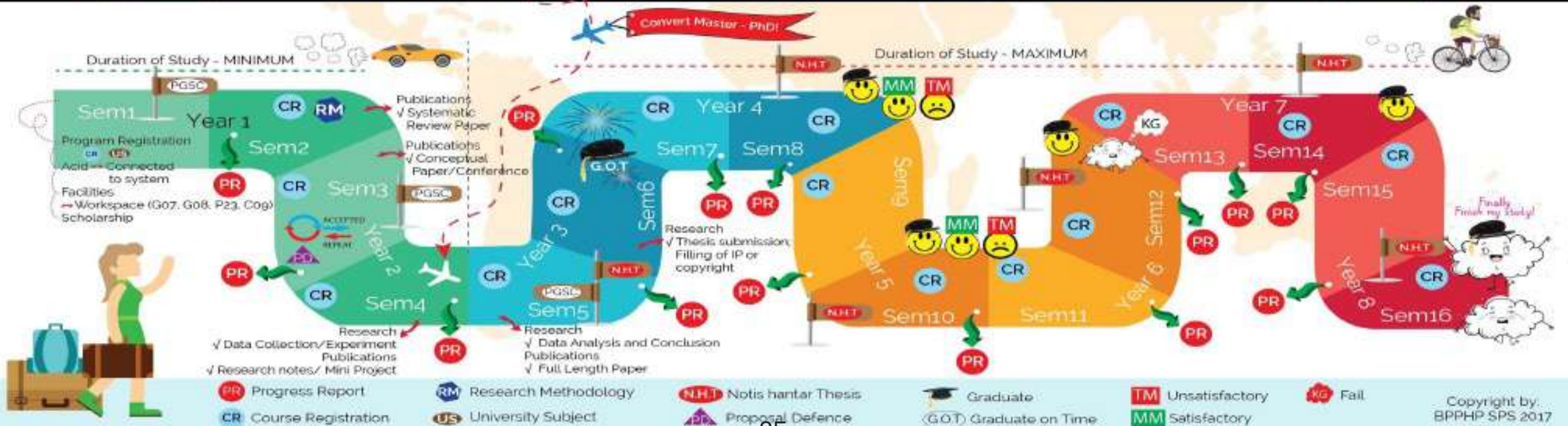
- 48 MONTHS



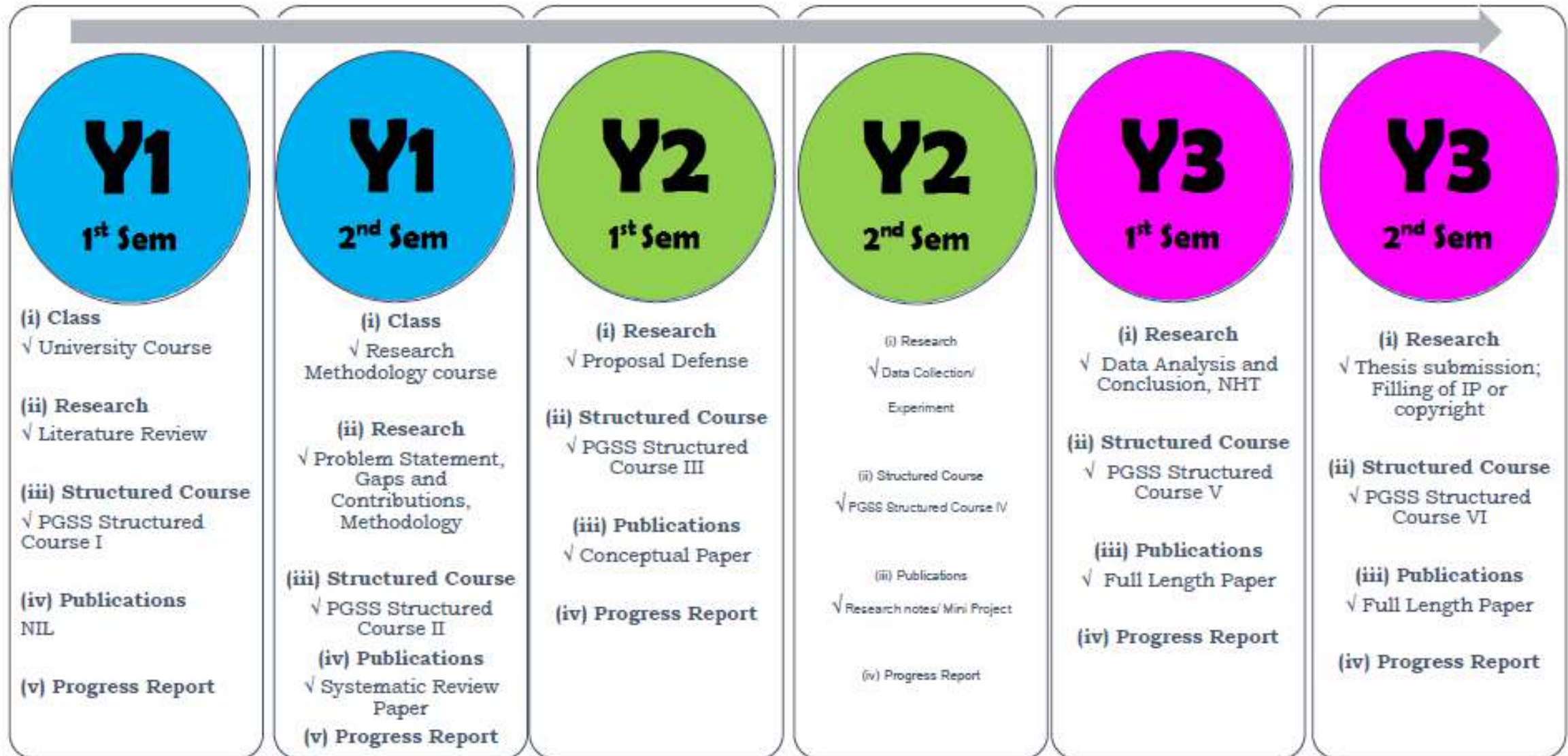
* From registration date until date of Senate Meeting



POSTGRADUATE RESEARCH JOURNEY



Timeline to Graduate On Time



89

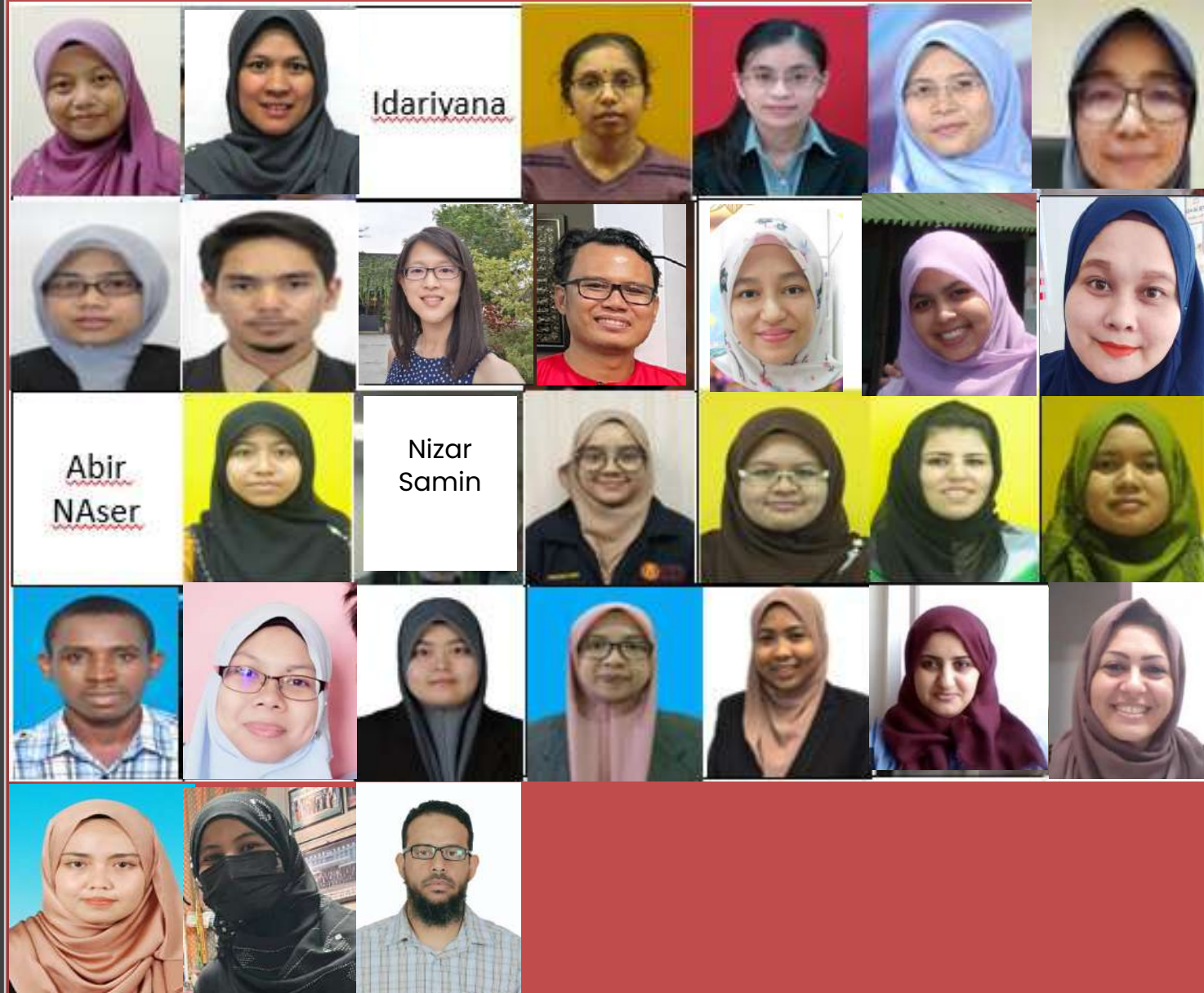
**I have supervised and
graduated **89**
Undergraduate Final
Year Project Students
from **1992 - 2024****

<https://people.utm.my/nizarmin/undergraduate-final-year-projects/>

GRADUATED

31 Master Students from 1999-2024

6 Thesis (full research)
25 Dissertation (mixed-mode)



<https://people.utm.my/nizararmin/master-students/>

GRADUATED

45 PhD Students from 2004-2024

32 locals,
13 internationals
(Iran, Pakistan, Yemen,
Libya, Nigeria, Sudan,
Saudi Arabia, Afghanistan)

33 as Main Supervisor
12 as Co-Supervisor



<https://people.utm.my/nizasarmin/phd-students/>

The Youngest PhD Holder Malaysia Book of Record 2014 24 years and 2 months old

Dr. Hazzirah Izzati Mat Hassim



CURRENTLY SUPERVISING

5 PhD Students

2 as Main Supervisor
3 as Co-Supervisor



<https://people.utm.my/nizararmin/phd-students/>

SUPERVISION's SKILLS

'Some Tips And Tricks'

Tips and Tricks

1. Recruitment and Selection

2. Supervisory Relationships with Candidates

3. Supervisory Relationships with Co-Supervisors

4. Supporting Candidates' Research Projects

5. Encouraging Candidates to Write and Giving Appropriate Feedback

Tips and Tricks

6.

Keeping the Research on Track and Monitoring Progress

7.

Supporting Candidates' Personal, Professional and Career Development

8.

Supporting Candidates Through Completion and Final Examination

9.

Supporting Candidates to Disseminate Their Research

10.

Reflecting Upon and Enhancing Practice

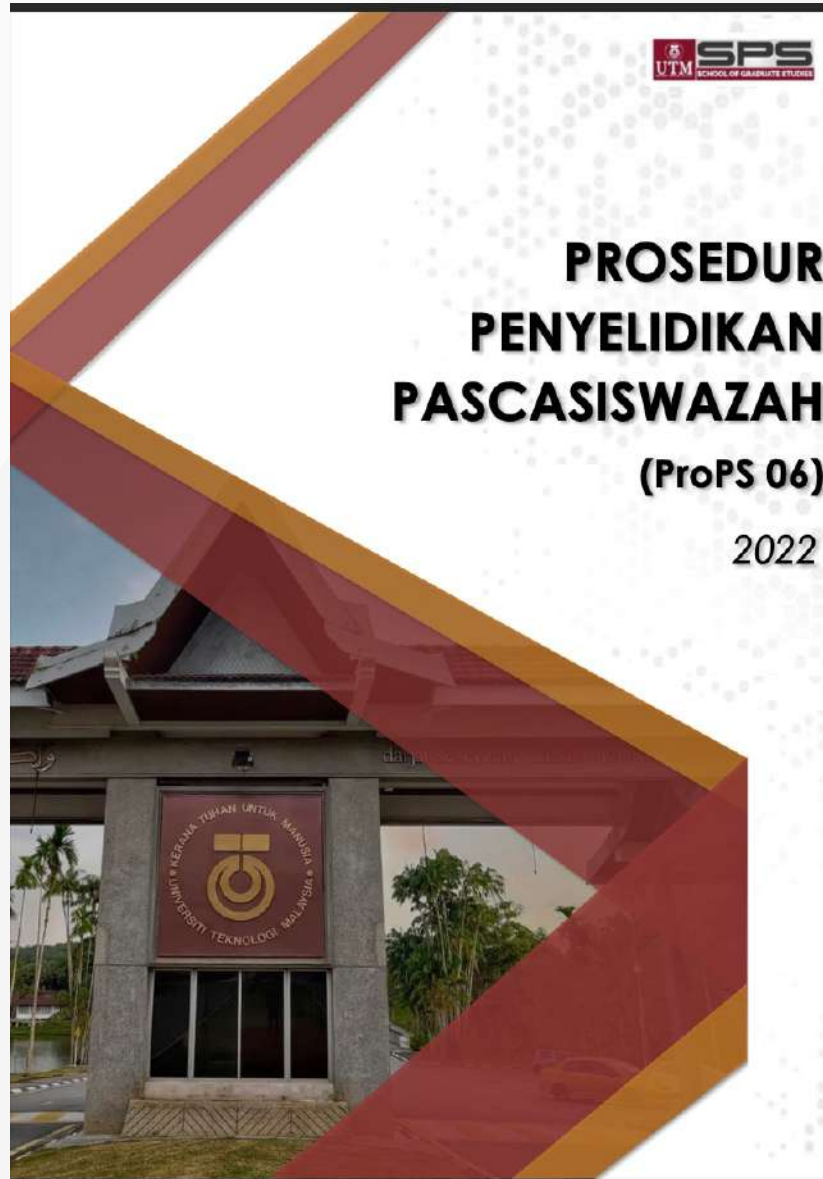


1

Recruitment and Selection

UTM Supervisors

- The main supervisor must be from among UTM's **academic staff** with **some expertise in the area of research** proposed by the candidate.
- The supervisor **must not be** in any way **personally related** to the candidate throughout the candidature period.
- If required, an **additional supervisor** may be appointed. On a case-to case basis, an additional External expertise or Field supervisor from **another university or research institute** may be appointed to enhance and facilitate project supervision.
- A candidate may request a **particular supervisor** for the research supervision. However, the final decision will have to be based on mutual consent and with the school/department's approval.



Personal Website

1. Recruitment and Selection

- Profile
- Biography
- Administrative
- Noteworthy Projects
- My Calendar
- Curriculum Vitae
- Awards

- Classes
- Classes
- Current Semester

- Research
- Research Areas/Interest
- Current Projects
- Completed Projects



Prof. DR. NOR HANIZA SARMIN
 School of Mathematics (SMA), Engineering University, UTM
 NIS (M) (Engineering University),
 PhD (Math) (Engineering University)

Department of Mathematical Sciences,
 Faculty of Science,
 Universiti Teknologi Malaysia (UTM),
 81310 UTM Johor, Malaysia
 Tel (HP): +6017-7657980
 Email: nhsarmin@utm.my

RESEARCH PROJECTS

1. Fundamental Research Grant Scheme (FRGS) from Ministry of Higher Education (MHE) Malaysia. A Fundamental Research in Computing the Topological Indices of Graphs Using Group Theory in Counting the Physicochemical Properties of Molecular Structures. 01/11/2020 - 31/10/2023. RM:133,366.00. No. No. 87309.
2. UTM Fundamental Research Grant (UTMFRG) from Universiti Teknologi Malaysia (UTM). A Fundamental Research on the Physicochemical Characteristics of Some Finite Rings and Its Graph Applications. 01/11/2020 - 30/09/2023. RM:93,300.00. No. No. 20479.
3. Fundamental Research Grant Scheme (FRGS) from Ministry of Higher Education (MHE) Malaysia. Invariant Types of Fuzzy Gamma Ideals in Coloured Gamma Semigroups. 01/08/2016 - 31/07/2018. RM:51,250.00. No. No. 47836.
4. Research University Grant Scheme (RUGS) from Universiti Teknologi Malaysia (UTM). Energy of Some Groups Associated to Subsets Groups. 01/07/2016-30/09/2018. RM:60,000.00. No. No. 13409.
5. Fundamental Research Grant Scheme (FRGS) from Ministry of Higher Education (MHE) Malaysia. A Fundamental Research on The Variants of Some Groups with Cyclic Homomorphism Extension. 01/07/2014 - 30/09/2016. RM

SELECTED PUBLICATIONS

1. Nor Haniza Sarmin, Nur Malya Aripin, Ahmad Erforian (2020), Topological Indices of the Non-Commuting Graph for Generalized Quaternion Group. Bulletin of The Malaysian Mathematical Sciences Society. 43: 3383-3387. (Indexed in IJOC: 01, 1254)
2. Nurhidayah Zaid, Nor Haniza Sarmin, Shikha/Abdullah Anwar Zaidi (2016), A Variant of Coextensivity Degree and Its Generalized Congruity Class Graph. Advanced Science Letters, 24(9): 4452-4452. (Q2, 1263)
3. Aida Husna Mohd Noor, Nor Haniza Sarmin (2018), On the Congruity and Congruity Class Graphs Related to a 3-Generator 3-Group. Advanced Science Letters, 24(9): 4394-4396. (Q2, 1263)
4. Nurhidayah Muhammad Jan, Sharizat Turah, Feng Wan Heng, Nor Haniza Sarmin (2017), Place-labeling Petri Net Controlled Grammars. Sorocoweb: 43(5): 9-16. (Q4, 0416)
5. Yee Sun Gan, Wan Heng Fong, Nor Haniza Sarmin, Sharizat Tamer (2017), Generative Capacity of Sticker Systems with the Presence of Weights. Sorocoweb, 43(5): 36-40. (Q4, 0416)
6. Huda Isyaz Isyaz, Wan Heng Fong, Nor Haniza Sarmin (2017), Generalizations of Solving Languages in DNA Splicing Systems Involving Two Palindromic Restriction Enzymes. Malaysian Journal of Fundamental and Applied Sciences, 17(2): 126-138. (Indexed in Scopus)

EXPERTISE

Group Theory and its Application / Graph Theory / Formal Language Theory and its Application in DNA Computations; Probability Theory in Group Theory, Automorphisms of Groups, Congruity and Order Classes of Groups, Homological Functors, Applications of Groups in Graph Theory, Fuzzy Set Theory, DNA Splicing Systems, DNA Steiner Systems.

Scopus ID : 34725766626
 Website : <https://people.utm.my/nizasarmin/>
 UTM Scholar : <https://utmscholar.utm.my/Scholar/Details/Details/Details>
 Google Scholar : <https://scholar.google.com/citations?user=21861eAAAA&hl=en&btnG=ResearchGate>
 ResearchGate : <https://www.researchgate.net/profile/Nor-Haniza-Sarmin>
 Facebook : <https://www.facebook.com/nizasarmin> (Nor Sarmin)

Memberships:





Professor
 Department of Mathematical Sciences, Faculty of Science, Universiti Teknologi Malaysia

Research Interests:
 Group Theory and its Applications, Graph Theory, Formal Language Theory and its Application in DNA Computation

<https://people.utm.my/nizasarmin/>

Prof Dr Nor Haniza Sarmin Website

"The best way to have a good idea is to have a lot of ideas"



CONGRATULATIONS
PROFESSOR DR. NOR HANIZA SARMIN
 UNIVERSITY OF KUALA LUMPUR

UKCGE RECOGNISED RESEARCH SUPERVISOR

Search this website ...

Recent Posts

How do we get students?

- Undergraduate to Master to PhD
- Assigned by school/ dept.
- Through classes
- From mentor
- Through email
 - Get to know the students first : “background check”.



How do we get the topics of research?

- Need to be resourceful and knowledgeable
 - Continuation from our PhD topic
 - LR & Suggestions for future research
 - Student's suggestion
 - Conferences
 - Connection(s) and collaboration

Funding?

2

Supervisory Relationships with Candidates

Get To Know Your Students

- What is the student's family background?
 - financial
 - parents' occupation
 - marital status
 - and etc
- Listen and understand him/her very carefully
- Try to think of him/her as your family

1 How do you treat postgraduate students ("mature students") ?

Things to consider - How to manage?

- Time
- Students
- Colleagues
- Grants
- Work environment
- Skill development
- Health

How to manage our time?



Time for:

- research
- teaching
- admin/committee
- family
- self
- leisure
- ibadah
- other activities

How much time do we have in a day?

EXPECTATION IN SUPERVISION



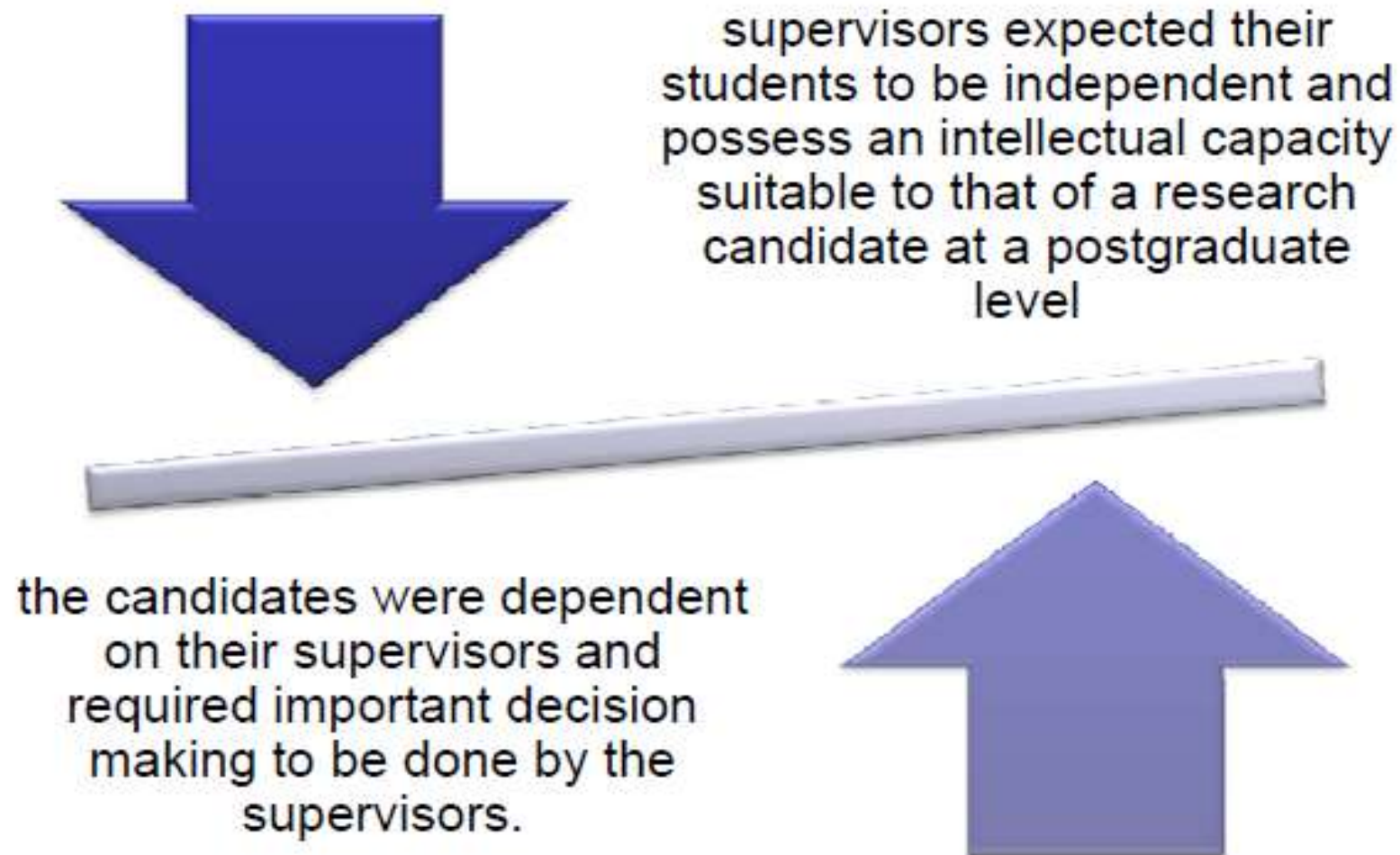
SUPERVISOR



STUDENT

2

ISSUES IN SUPERVISION : MISMATCH!



What Do Students Expect From Their Supervisor?

01 Always be around for them

02 Know everything that they asked

03 Always reply their emails and messages

04 Always ready for any help

05 Able to motivate

06 Show some appreciations for what they did

What Do Students Expect From Their Supervisor?

07

Friendlier with them (not only student-supervisor relationship)

08

Be understanding when they have personal problems

09

Understand when students cannot complete the tasks given to them on time

10


Allow students to make decisions with some useful advice

Student's Common Problem & How To Solve Them?

Supervisor is very busy and cannot have frequent meetings with students

All students need to write a short report whenever they go to a workshop or talk.

[REPORT] Web of Science User Training 4 Yahoo/Inbox ★

 **Athirah Zulkarnain** <athirah.zulkarnain91@gmail.com> Aug 15 at 3:01 PM ★

To: Nor Haniza Sarmin, Prof Dr, HAZZIRAH IZZATI BINTI MAT HASSIM FS, Fong Wan Heng, NOR MUHAINIAH BINTI MOHD ALI FS
Cc: Nurhidayah Zaid, Amirafadina Ahmadfadzil, Aqilah Farhana, Nurul Izzaty Ismail, Alia Husna Mohd Noor and 9 more...

Dear Prof & all,
The report for yesterday's talk about Web of Science is as follows:

Title: The First Stop to Research Discovery
Venue: Bilik Seminar 3, Level 4, PSZ
Speaker: Dju-Lyn Chng (Solution Consultant ASEAN)


The speaker began the talk by introducing the Web of Science (WoS). The WoS is previously known as **ISI** (Institute for Scientific Information), **Thomson Scientific**, **Thomson Reuters** and the latest one is **Clarivate Analytics**. All of these are just the same. The WoS is not a full-text database, but just a citation database. There are 21000 total journals in WoS core collection. Clarivate Analysis is neutral; not a publisher and do not plan to become a publisher. Clarivate Analysis does not own journals. They are an information company.

Before the speaker explains more on WoS, she gave four important points needed for the researcher. The first one is **time**. As a researcher, your time is very crucial. Therefore, everything you do must be strategized. The other three important points are **accuracy**, **novelty**, and **impact**. Novelty is one of the important points because with novelty you can catch others to read your paper. Besides, your research must give impact to society to be recognized and cited by other researchers.

All students need to write a short report whenever they went to a workshop or talk.

Short Report on the Structured Course: Facing Your Viva Voce 8th August 2019 Yahoo/Inbox ★

3

 **Amira Fadina Ahmad Fadzil** <amirafadinaahmadfadzil@yahoo.com> Aug 8 at 12:25 PM ★

To: Prof Dr Nor Haniza Sarmin
Cc: Nurhidayah Zaid, Nabilah Najmuddin, Nabilah Fikriah Rahin, Athirah Zulkarnain, Nur Idayu Alimon and 4 more...

Assalamualaikum wbkt,

Dear Prof,
A structured course was held today. The talk was on Facing Your Viva Voce by Prof Azman Hassan from Faculty of Engineering at SPS. The following is the short report for the course.

What is Viva?
Viva = an oral defence of our research and our knowledge of the academic area in which our research has been carried out.

Duration: 1.5 to 4 hours


Student need to explain and defend:

- What we have done.
- What we know about the subject area.
- Other research that has been carried out.
- Foundation of knowledge on that topic.

Types of examiners:

- Friendly.
- Adversarial - They will challenge our views in order to hear our argument.

Report on High Publication Workshop organized by UTMCIAM 2 Yahoo/Inbox ★

 **Nur idayu Alimon** <nuridayualimon@yahoo.com> Aug 1 at 10:12 AM ★

To: Prof Dr Nor Haniza Sarmin
Cc: HAZIRAH IZZATI BINTI MAT HASSIM FS, NOR MUHAINIAH BINTI MOHD ALI FS, Dr Fong Wan Heng

Assalamualaikum & Salam Sejahtera,

Dear Prof,
On 18th July 2019, I have attended a High Publication Workshop which has been organized by UTM CIAM. The workshop is divided into two sessions and conducted by two different speakers.

The first session is conducted by Prof Graham Sander. Here are the tips to publish in high impact journals.

1. Know the editors' expertise.
The main reasons for rejecting the papers are the scope, quality of writing of the contribution, novelty, and significance of contribution.
2. The abstract must be clear and state what is the importance of the research.
3. Literature review
 - Not simply a list of papers stating which problem they solved.
 - Need to provide some sense of historical narrative and what are their contributions to scientific understanding.
 - Identify gaps of knowledge.
 - Conclude the literature review section by stating which of the gaps that your manuscript is addressing and how this will be achieved.

How To Manage Students' Difficulties?

Time

Financial

Spouse/Family

Visa

Social Support

Together at convocation ceremony



Social Activities

Visits at my hometown (Pontian, Johor)



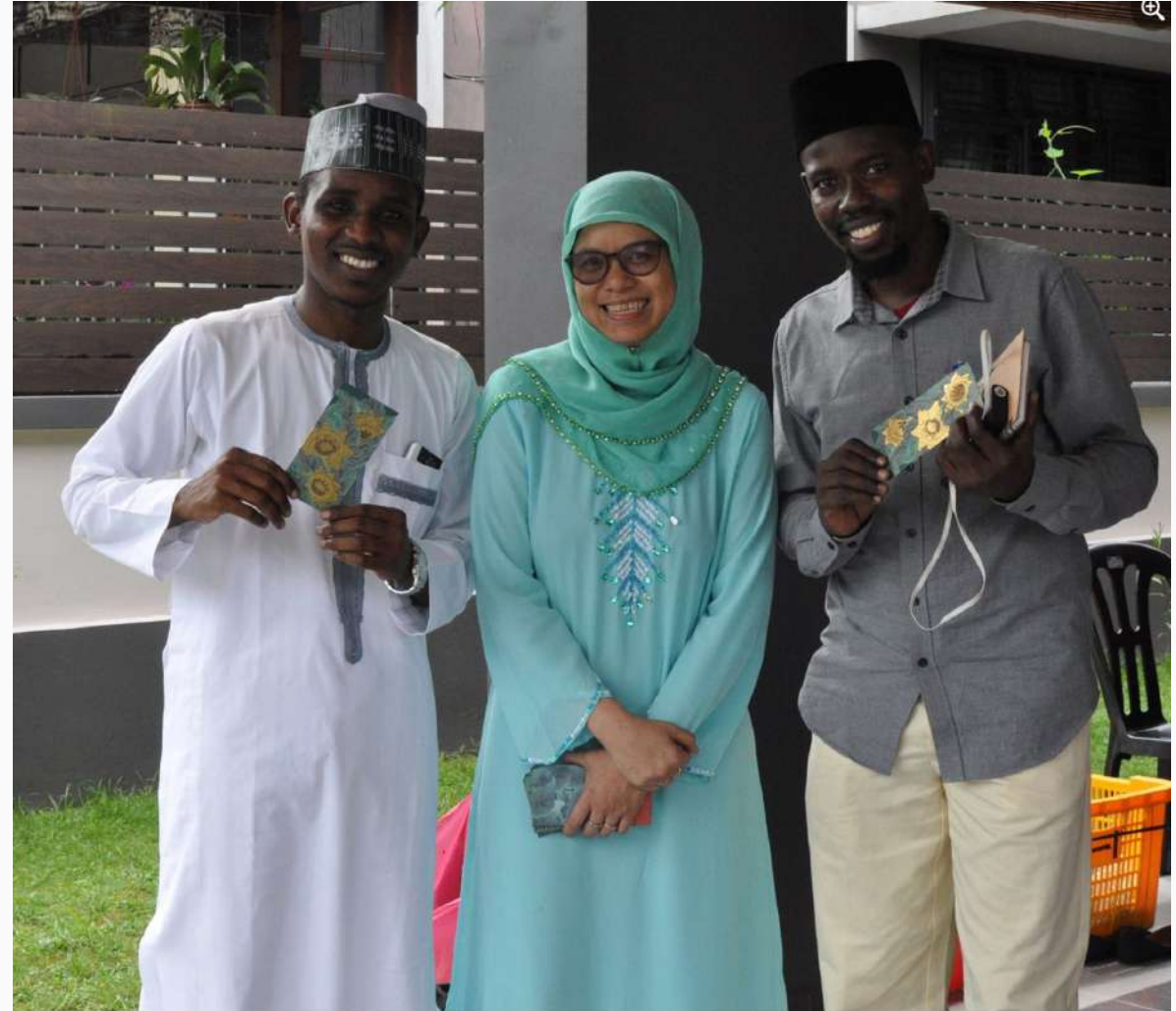
Social Activities

Have lunch together



Social Activities

Hari Raya Celebration



Social Activities

A³G Bowling

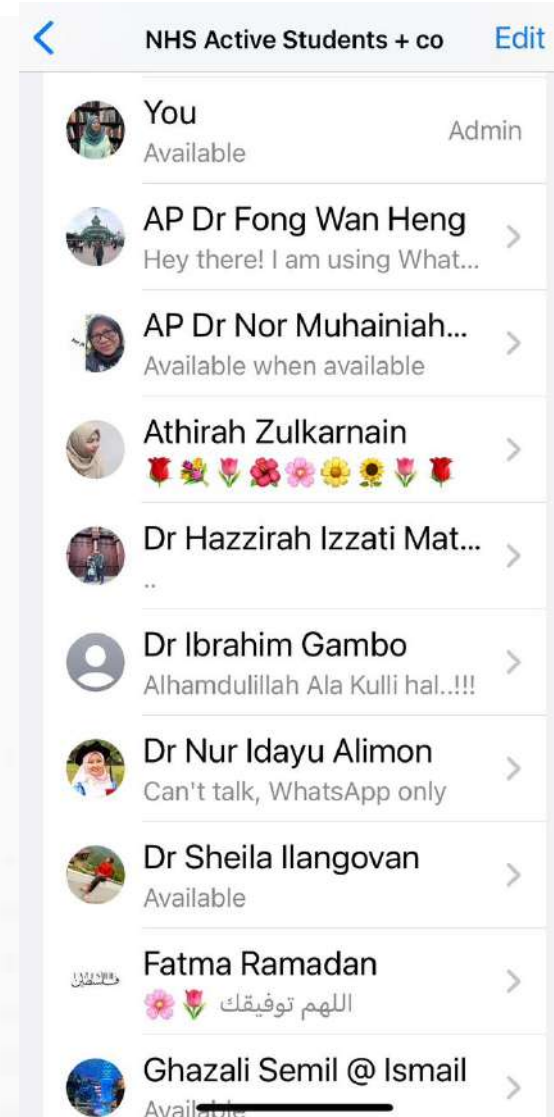
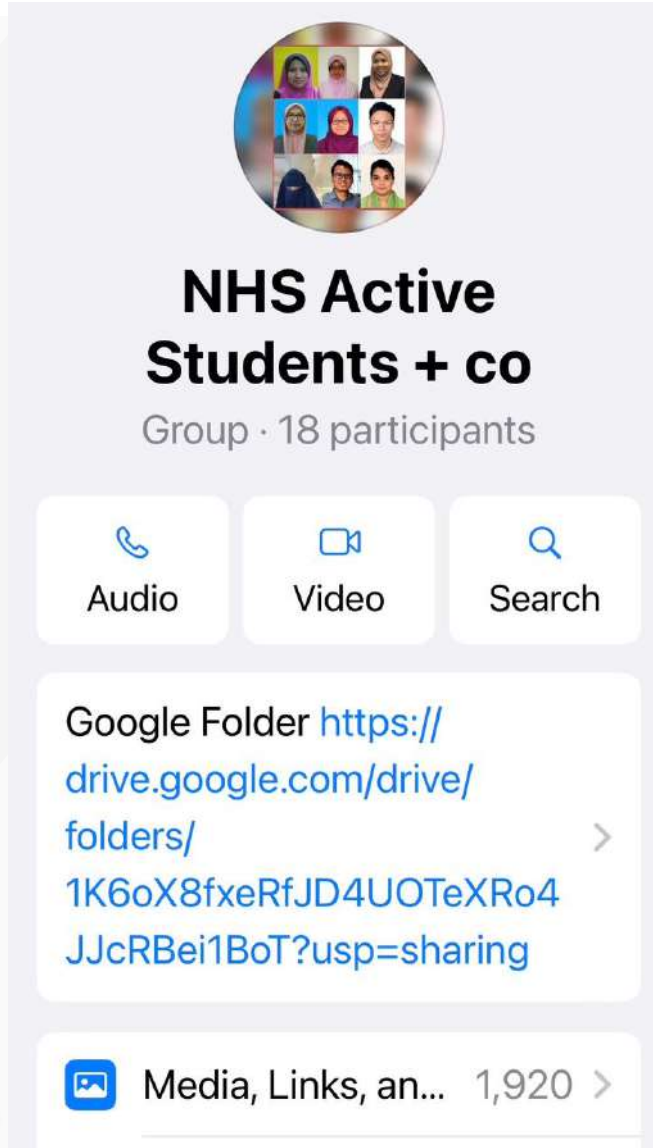


Social Activities

A³G BBQ



Whatsapp Group (All)



Emailing List

----- Forwarded message -----

From: **NURHIDAYAH BINTI ZAID** <nurhidayah57@graduate.utm.my>

Date: Thu, Apr 1, 2021 at 9:25 AM

Subject: Fw: Second Announcement: 2021 Zassenhaus Groups & Friends Conference (Virtual) – May 28-29 and June 4-5, 2021

To: azrin@ump.edu.my, azrin@ump.edu.my, Dr. Hidayat Ullah Khan <hidayatullahkhan@uom.edu.pk>, Muhamad Nur Syiham Abdul Razak <mnsyiham2@graduate.utm.my>, Nur Idayu Alimon <nidayu38@graduate.utm.my>, DR SITI AFIQAH MOHAMMAD <sitafiqah@uitm.edu.my>, MOHD SHAM BIN MOHAMAD . <mohdsham@ump.edu.my>, Dr Siti Norziahidayu Amzee Zamri <sitnamzee@unisza.edu.my>, Alia Husna <mylife_syafia@yahoo.com>, Dr Adnin Afifi Binti Nawil . <adnin@uthm.edu.my>, y_b53@yahoo.com, alsakkaf@yahoo.com <alsakkaf@yahoo.com>, Dr.Mathuri A/P Selvarajoo <mathuri@tmsk.uitm.edu.my>, rabiha birkia <rabihabirkia@gmail.com>, zainabyahya90@gmail.com <zainabyahya90@gmail.com>, Nur Athirah Farhana Omar Zai <nafarhana24@graduate.utm.my>, Aqilah Farhana <aqilahfarhana2@graduate.utm.my>, kayvan.moradi@tvu.ac.ir <kayvan.moradi@tvu.ac.ir>, nurhidaya.mj@usim.edu.my <nurhidaya.mj@usim.edu.my>, muhanizah.maths@gmail.com <muhanizah.maths@gmail.com>, faiz_zady@yahoo.com, Nabilah Fikriah Rahin <nfrahin@graduate.utm.my>, Amirafadina Ahmadfadzil <afadina2@graduate.utm.my>, mohamedsana51@yahoo.com <mohamedsana51@yahoo.com>, سعد الرحبي <suadarehell@hotmail.com>, Dr Ibrahim Gambo <igambo@utm.my>, siloh@utem.edu.my <siloh@utem.edu.my>, Norarida Abd Rhani <arida.ar@gmail.com>, Dr Mustafa El-Sanfaz <kabelo_sanfaz@yahoo.com>, Mohammad Hassan Mudaber <hassan1986@graduate.utm.my>, fnormahia87@gmail.com <fnormahia87@gmail.com>, Athirah Zulkarnain <athirah5@graduate.utm.my>, Dr Hazzirah Izzati <hazzirah@utm.my>, Nabilah Najmuddin <nabilah68@graduate.utm.my>, NURUL 'AIN BINTI MAZLAN A16SC0216 <nain389@graduate.utm.my>, azhana@usm.my <azhana@usm.my>, rosita@usim.edu.my <rosita@usim.edu.my>, SHEILA ILANGOVA <sheila.ilangovan@yahoo.com>, Dr Rohaidah Masri <rohaidah@fsmi.upsi.edu.my>, yuhani@ump.edu.my <yuhani@ump.edu.my>, samadrashid47@iausr.ac.ir <samadrashid47@iausr.ac.ir>, Nurfarahzulkifli <nurfarah3@graduate.utm.my>, Muhammed Bello <mbatap560@gmail.com>, Surajo Ibrahim Isah <suribmaths@gmail.com>, mnsyiham2@graduate.utm <mnsyiham2@graduate.utm>, Aqilah Farhana <aqilahfarhana_13@yahoo.com>, Nurul Izzaty Ismail <iamnurulizzaty1112@gmail.com>, Firdaus Yosman <afirdaus49@graduate.utm.my>

Cc: Prof Dr Nor Haniza Sarmin <nhs@utm.my>, fw@utm.my <fw@utm.my>, normuhainiah@utm.my <normuhainiah@utm.my>

Greetings from UTM International!

Assalamu'alaikum wbk! & Salam Sejahtera

Dear all,

The information on 2021 Zassenhaus Groups & Friends Conference (Virtual) is as forwarded.

Thank you.

Take care and Stay safe!

From: "Karatasy, Zekeriya (karatazy)" <karatazy@ucmail.uc.edu>

Date: 30 March 2021 at 5:45:04 AM MYT

Subject: Second Announcement: 2021 Zassenhaus Groups & Friends Conference (Virtual) – May 28-29 and June 4-5, 2021

Dear Colleagues,

As emailed before, 2021 Zassenhaus Groups and Friends Conference will take place online (virtual) this year. We will have two rounds of talks on May 28-29 and June 4-5, 2021. This conference series was initiated by Professor Hans Zassenhaus in the mid-1960's and is currently held on an annual basis, rotating locations during the even-numbered years. We invite you, and your colleagues and especially graduate students, to join us and consider giving a research presentation.

The website for the conference is at: (http://www2.math.binghamton.edu/p/zassenhaus/zassenhaus_2021/home). Registration page is open now at http://www2.math.binghamton.edu/p/zassenhaus/zassenhaus_2021/registration. You can submit your abstract through the registration page if you plan to give a talk.

If you know someone who would like to receive announcements about the Zassenhaus Groups and Friends Conference and related events, please direct them to the link (<https://sites.google.com/a/oswego.edu/zassenhaus/>) where they can find the email list registration form. Additionally, if you wish to no longer receive such announcements, you can unsubscribe from the email list at the same address.

We hope that you can accept our invitation and look forward to seeing you at the conference.

Sincerely,

The Organizing Committee:

Fernando Guzman

Luise Kappe

Research Activities

Alumni as invited speakers



UTM GLOBAL ALUMNI
AAAG INTERNATIONAL SEMINAR SERIES
Organized by Applied Algebra and Analysis Group (AAAG)

1 March 2021 | Monday | 2:00 - 4:00 PM | MYT GMT+8

ASST. PROF. DR. SANAA MOHAMED SALEH OMER
Dept. of Mathematics, University of Benghazi, Libya
"Some Graphs and Their Generalizations"

ASST. PROF. DR. FAIZ MUHAMMAD KHAN
Dept. of Mathematics and Statistics, University of Swat, Khyber Pakhtunkhwa, Pakistan
"Applications of Soft Sets in Decision Making Problems"

Pre-registration bit.ly/2NI4deh or scan the QR code

In Collaboration with UTM International and UTMAlumni



UTM LOCAL ALUMNI
AAAG INTERNATIONAL SEMINAR SERIES 1
Organized by Applied Algebra and Analysis Group (AAAG)

7 April 2021 | Wednesday | 2:00 - 4:00 PM | MYT GMT+8

ASSOC. PROF. DR. YUHANI YUSOF
Centre for Mathematical Sciences
Universiti Malaysia Pahang
"Applications of Graph Theory: An Introduction"

DR. AMIR SYAFIQ SYAMIN SYAH B. AMIR HAMZAH
Malaysia-Japan International Institute of Technology
Universiti Teknologi Malaysia
"How Company Manages Intellectual Assets in Open Innovation Era?"

Pre-registration bit.ly/2NI4deh or scan the QR code

In Collaboration with UTM International and UTMAlumni




AAAG Workshop:
Introduction to Groups, Algorithms and Programming (GAP) Software

What is GAP software?
GAP is a system for computational discrete algebra, with particular emphasis on Computational Group Theory. GAP provides a programming language, a library of thousands of functions implementing algebraic algorithms written in the GAP language as well as large data libraries of algebraic objects. GAP is used in research and teaching for studying groups and their representations, rings, vector spaces, algebras, combinatorial structures, and many more area of studies. Visit <https://www.gap-system.org/> for more info.

Registration Fee:

- RM30 for AAAG members
- RM60 for non AAAG members (UTM)
- RM100 for non UTM

Fee includes all meals, workshop materials and certificate.

Open to:

- Lecturers/ researchers,
- Students (undergraduates/postgraduates)
- Professionals

by Dr Sheila Ilngovan
Assistant Professor,
University of Nottingham,
Malaysia Campus.

Registration Fee:

- Sunday, 7 April 2019 (8:00 am - 5:00 pm)
- C22, Main Meeting Room, Faculty of Science, UTM JB
- Contact person: +6013 7389 564 (Ms Amira Fadina)

Deadline: 5 April 2019

Register Now!

3

Supervisory Relationships with Co-Supervisors

How To Manage Your Supervision ?



Mentor-mentee



Co-supervisor

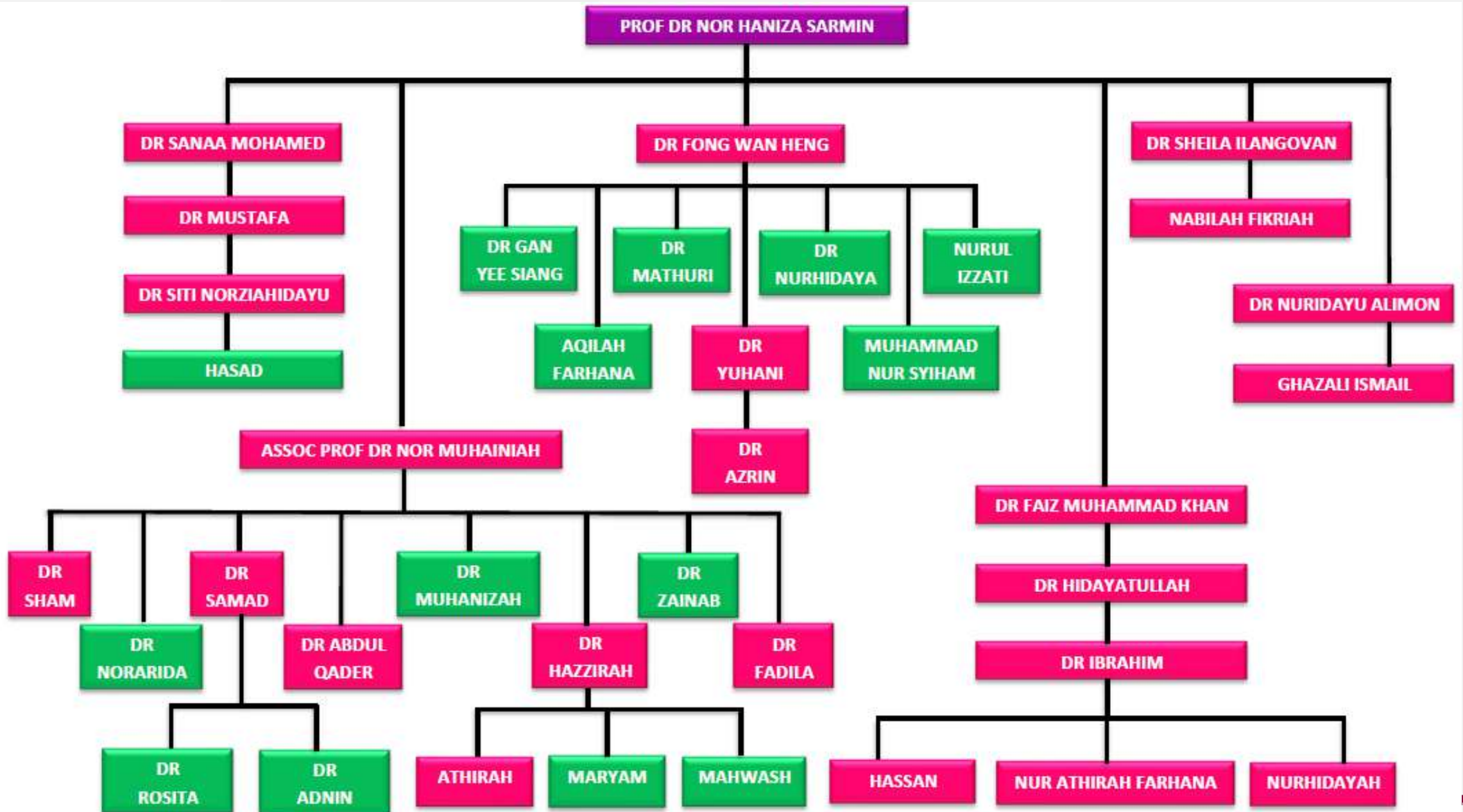


Co-authors




How frequent ?

Mentor-Mentee Tree



**Always cc all related
emails to all
supervisors**

Whatsapp Group (Individual Student)




Maryam PhD UTM
Group · 4 participants

Audio Video Search

https://drive.google.com/drive/folders/1V7vrmqbnSG9ielrJl-VPN7GluWUnWOit?usp=share_link

Media, Links, and... 105 >

Starred Messages None >




Mahwash PhD
Group · 4 participants

Audio Video Search

<https://drive.google.com/drive/folders/1-X2jC1VukRxRLchk0zwFqxRFhOaDmmry?usp=sharing>

Media, Links, and... 29 >

Starred Messages None >



Nabil PhD UTM
Group · 3 participants

Audio Video Search

Add Group Description

Media, Links, and... 62 >

Starred Messages None >

Mute No >

Wallpaper & Sound >



4

Supporting Candidates' Research Projects

Funding through
Grants/Scholarship

Sponsor to Attend
Conference

Assign as Teaching
Assistant

Networking With Other Researchers

01 Research groups

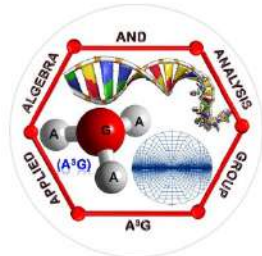
02 Conferences/
Seminars/
Workshops

03 Research attachment

04 Authors' of references

Research Group

<https://www.facebook.com/AAAGUTM>



Applied Algebra and Analysis Group - AAAG

101 likes · 135 followers



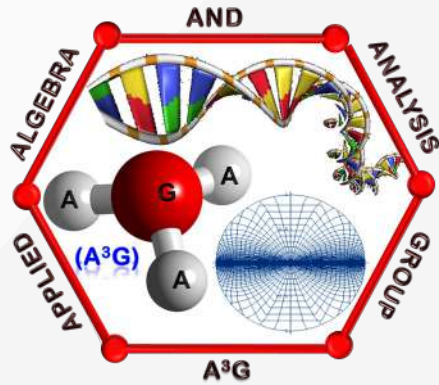
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Liked

Message

Research Group

Applied Algebra and Analysis Group (A³G)
<https://www.facebook.com/AAAGUTM>



Mock Viva



Seminars



Workshops

Conferences/ Seminar/ Workshops



Applied Algebra and
Analysis Meeting and
Seminar



Group Theory Conference

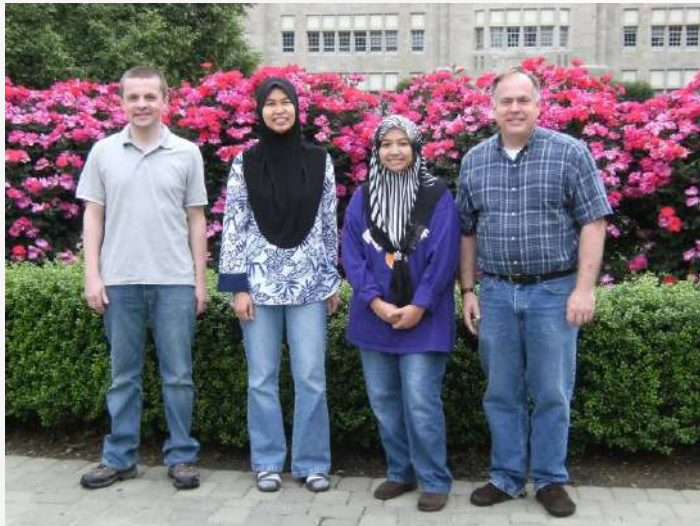


International Postgraduate
Conference

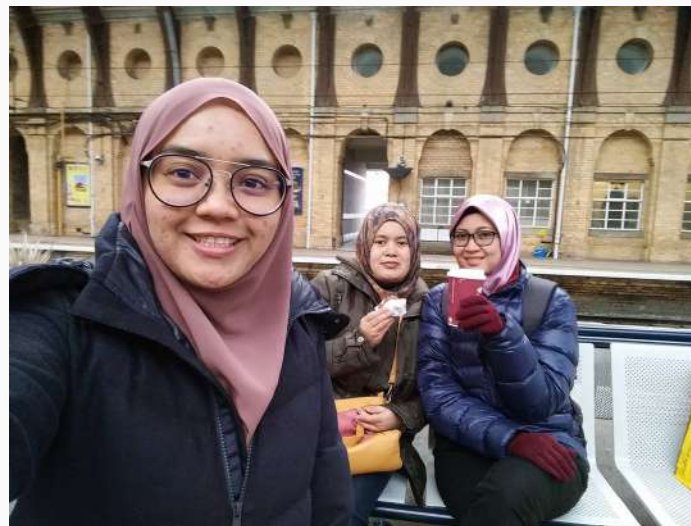
Research Attachment



**State University of
New York at
Binghamton, USA**



University of Evansville, USA



Leeds University, UK



**Universidade de Brasilia,
Brasilia, Brasil**

International Collaboration



Prof Dr Ahmad Erfanian
Ferdowsi University of
Masshad
Iran



**Prof. Dr. Ir. Dyah Erny
Herwindiati**
Tarunamagara University
Indonesia



**Prof Dr Intan
Alamsyah**
Institut Teknologi
Bandung
Indonesia



**Asst Prof Dr
Sanhan Khasraw.**
Salahaddin University-
Erbil
Iraq

International Collaboration



Assoc. Prof. Dr. Sherzod Turaev
United Arab Emirates
University
UAE



Assoc Prof Elizabeth Goode
Towson University
Maryland, USA



Dr. I Gede Adhitya Wisnu Wardhana
Universitas Mataram
Indonesia



Dr. Alfi Yusrotis Zakiyyah
Bina Nusantara University
Indonesia

My Collaborators Around the World

United States

- Kappe, Luise-Charlotte
- Goode, Elizabeth
- Morse, Robert
- Beuerle, James R
- Visscher, Matthew P

Iran

- Davvaz, Bijan
- Darafsheh, Mohammad Reza
- Erfanian, Ahmad
- Molaei, Mohammad Reza
- Tolue, Behnaz
- Rashid, Samad
- Moradipour, Kayvan
- Karimi, Fariba A.Hediyeh
- Jahandideh, Mariam
- Barakat, Yasamin
- Ghouchan, M Farrokhi
- Jafarabadi, Hossein M

Iraq

- Khasraw, Sanhan
- Samin, Nizar Majeed
- Mohialdeen, Vian Salah
- Abdulla, Chenar

Afghanistan

- Mudaber, Hassan

United Arab Emirates

- Turaev, Sherzod

Qatar

- El-Sanfaz, Mustafa Anis

Libya

- Omer, Sanaa Mohamed Saled
- Awad, Emtinan
- Saleh, Masaoud Omran
- Ramadan, Fatma

Saudi Arabia

- Birkia, Rabiha
- Al-Rehali, Suad
- Alshammari, Maryam

United Kingdom

- Subramaniam, K. G

Nigeria

- Gambo, Ibrahim

South Africa

- Engelbrecht, Andries Petrus
- Russo, Francesco G

Italy

- Malinin, Dmitry A

India

- Suji, Suresh
- A. Divya
- A. Manimaran
- Ali, Asma
- Imtiaz, Mahwash

Brunei Darussalam

- Venkat, Ibrahim

Pakistan

- Khan, Asghar
- Khan, Faiz Muhammad
- Khan, Hidayatullah
- Ghafoor, Asad

South Korea

- Jun, Young Bae

Taiwan

- Gan, Yee Siang

Indonesia

- Herwindiati, Dyah
- Muchtadi, Intan Alamsyah
- Wijayanti, Indah Emilia
- Wardhana, Adhitya
- Alfi Yusrotis Zakiiyyah
- Siti Zahidah
- Maulana, Fariz
- Swastika, Erma
- Putra, Lalu Riski Wirendra



5

Encouraging
Candidates to Write
and Giving
Appropriate Feedback

Work in a Timely
Manner

All results need
to be checked by
the supervisor

5. Encouraging Candidates to Write and Giving Appropriate Feedback

Tips On Publications

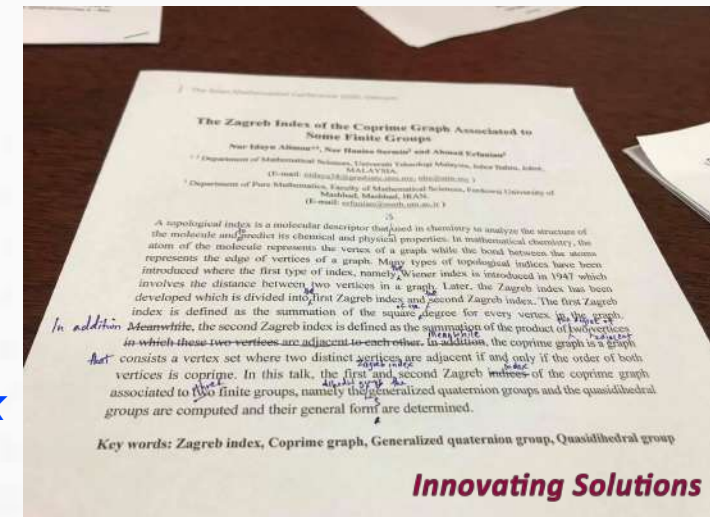
Plan for publication :

- of at least a review paper during the first semester
- in conferences (once a year/ every semester?)
- in SCOPUS journals
- in WOS journals
- In Quartile journals

Plan for :


- attending workshops on
- literature review
- publication
- thesis writing
- others

5. Encouraging Candidates to Write and Giving Appropriate Feedback



Scheduled Planning

Supervisor's Action & Students' Responses



UTM
RESEARCHER PROFILE
Prof. DR. NOR HANIZA SARMIN
BSc(Hons) (Math)(Binghamton University),
MSc (Math)(Binghamton University),
PhD (Math)(Binghamton University) ●●●●●
Department of Mathematical Sciences
Faculty of Science
Universiti Teknologi Malaysia (UTM)
81310 UTM Johor, Malaysia
Tel (HP): +6017-7507060
Email: nhs@utm.my

RESEARCH PROJECTS

SELECTED PUBLICATIONS

1. Nur Haniza Sarmin, Nur Idayu Alimon, Ahmad Erfanian (2020). Topological Indices of the Non-Commuting Graph for Generalised Quaternion Group. Bulletin of the Malaysian Mathematical Sciences Society 43: 3361-3367 (Indexed in WOS, Q1, 1.554)

2. Nurhidayah Zaid, Nur Haniza Sarmin, Siti Norziahayu Anzee Zamri (2018). A Variant of Commutativity Degree and Its Generalised Congruency Class Graph. Advanced Science Letters, 24(6): 4429-4432. (Q2, 1.253)

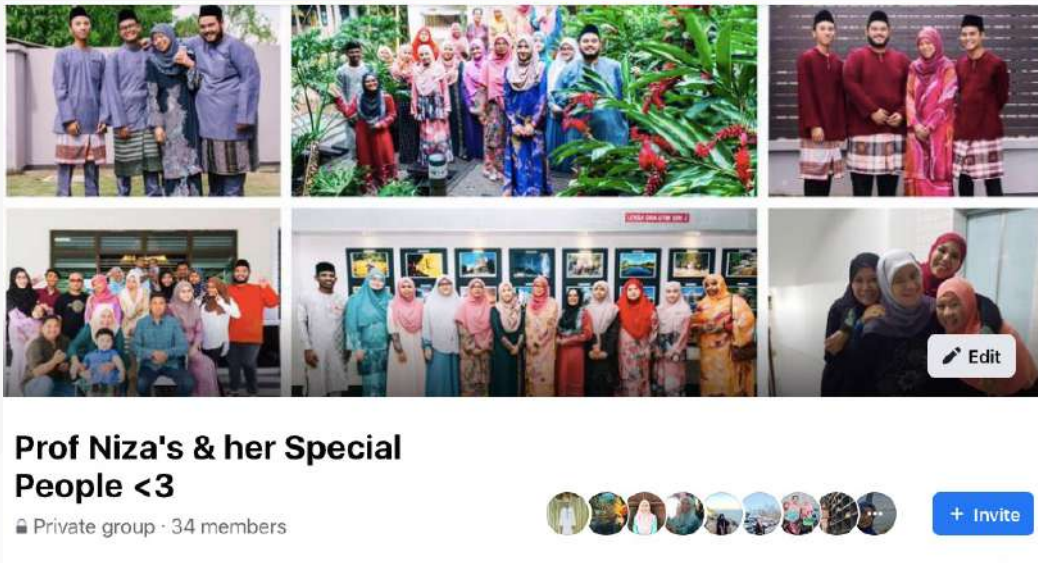
3. Fundamental Research Grant Scheme (FRGS) from Ministry of Higher Education (MHE) Malaysia: A Fundamental Research on Computing the Topological Indices of Graphs Using Group Theory in Decoding the Physicochemical Properties of Molecular Structures. 01/11/2020 - 31/10/2023. RM 133,300.00. Vol No: SF309.

4. UTM Fundamental Research Grant (UTMFR) from Universiti Teknologi Malaysia (UTM). A Fundamental Research on the Probabilistic Characterizations of Some Finite Rings and Its Graph Applications. 01/01/2020 - 30/06/2023. RM 80,000.00. Vol No: 25HT.

5. Fundamental Research Grant Scheme (FRGS) from Ministry of Higher Education (MHE) Malaysia: A Fundamental Research on Computing the Topological Indices of Graphs Using Group Theory in Decoding the Physicochemical Properties of Molecular Structures. 01/11/2020 - 31/10/2023. RM 133,300.00. Vol No: SF309.

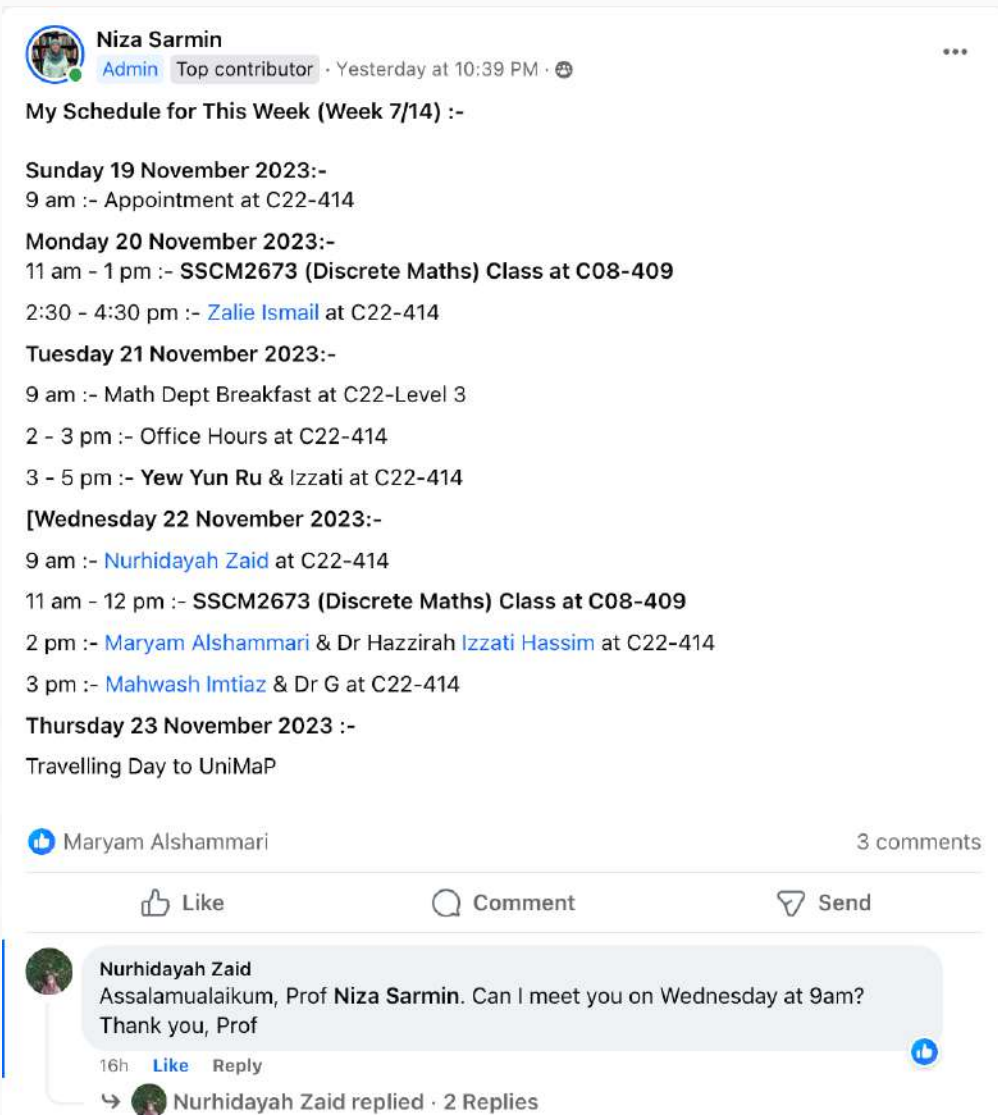
Niza Sarmin
4.5K friends

+ Add to story Edit profile



Prof Niza's & her Special People <3
Private group · 34 members

+ Invite



Niza Sarmin
Admin Top contributor · Yesterday at 10:39 PM · 🌐

My Schedule for This Week (Week 7/14) :-

Sunday 19 November 2023:-
9 am :- Appointment at C22-414

Monday 20 November 2023:-
11 am - 1 pm :- SSCM2673 (Discrete Maths) Class at C08-409
2:30 - 4:30 pm :- Zalie Ismail at C22-414

Tuesday 21 November 2023:-
9 am :- Math Dept Breakfast at C22-Level 3
2 - 3 pm :- Office Hours at C22-414
3 - 5 pm :- Yew Yun Ru & Izzati at C22-414

[Wednesday 22 November 2023:-
9 am :- Nurhidayah Zaid at C22-414
11 am - 12 pm :- SSCM2673 (Discrete Maths) Class at C08-409
2 pm :- Maryam Alshammari & Dr Hazzirah Izzati Hassim at C22-414
3 pm :- Mahwash Intiaz & Dr G at C22-414

Thursday 23 November 2023 :-
Travelling Day to UniMaP

Maryam Alshammari 3 comments

Like Comment Send

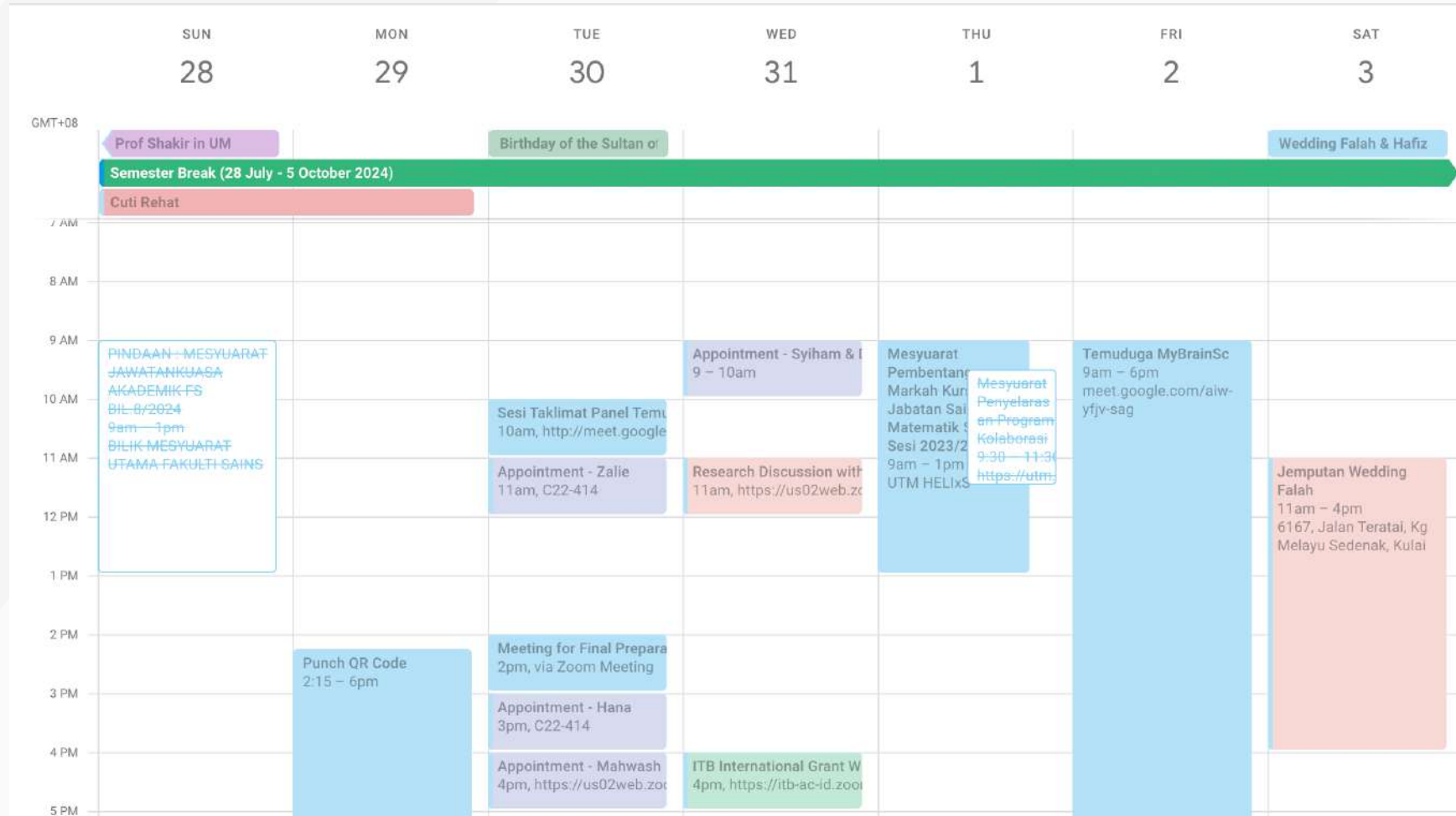
Nurhidayah Zaid
Assalamualaikum, Prof Niza Sarmin. Can I meet you on Wednesday at 9am?
Thank you, Prof

16h Like Reply

Nurhidayah Zaid replied · 2 Replies

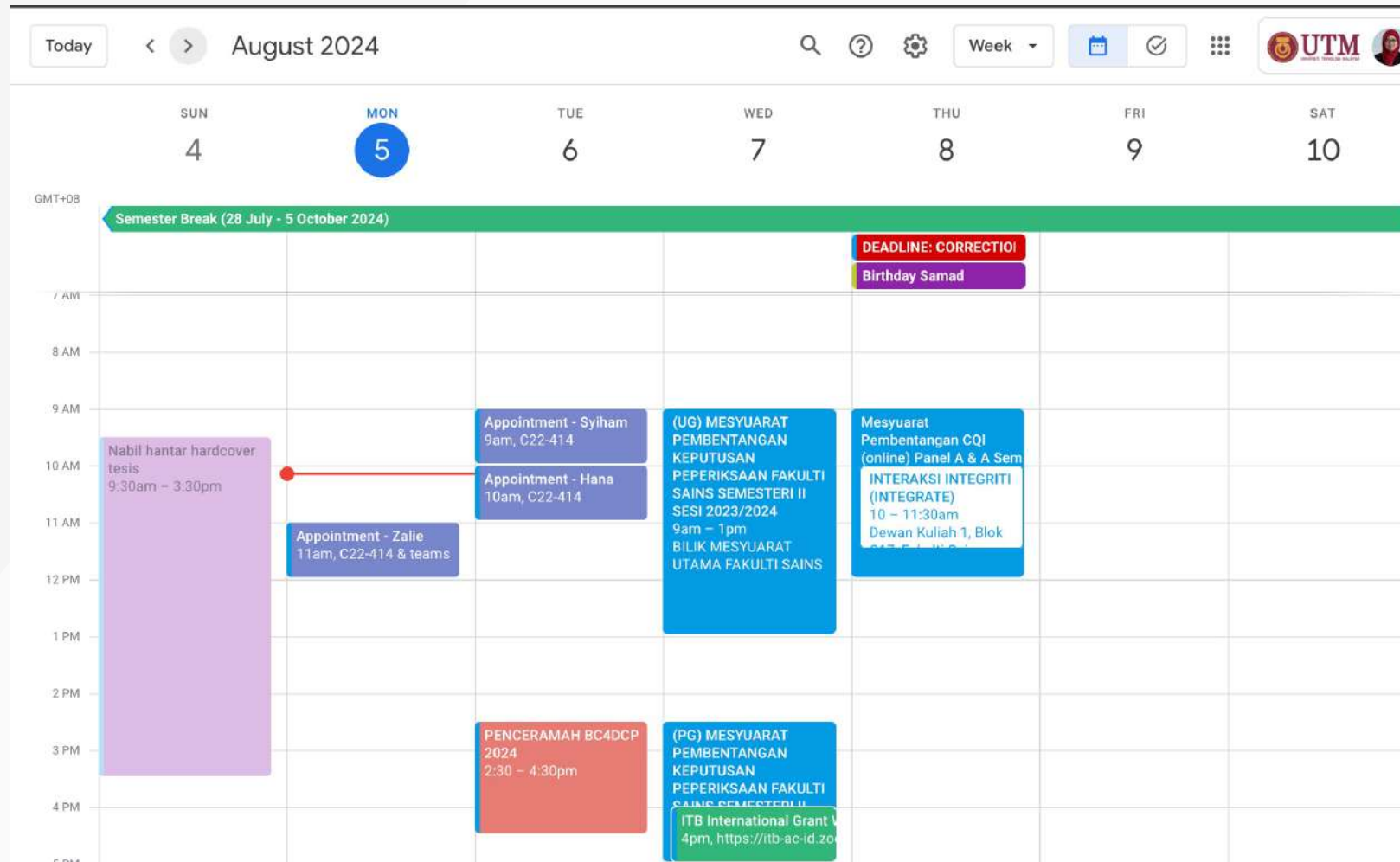
5. Encouraging Candidates to Write and Giving Appropriate Feedback

Scheduled Planning Google Calendar



5. Encouraging Candidates to Write and Giving Appropriate Feedback

Scheduled Planning Google Calendar



5. Encouraging Candidates to Write and Giving Appropriate Feedback

Scheduled Planning of Research Discussion (Physical)



Yew Yun Ru & Izzati (PSM)



Farhan (PSM)



Maryam (PhD)



Hidayah (PhD)

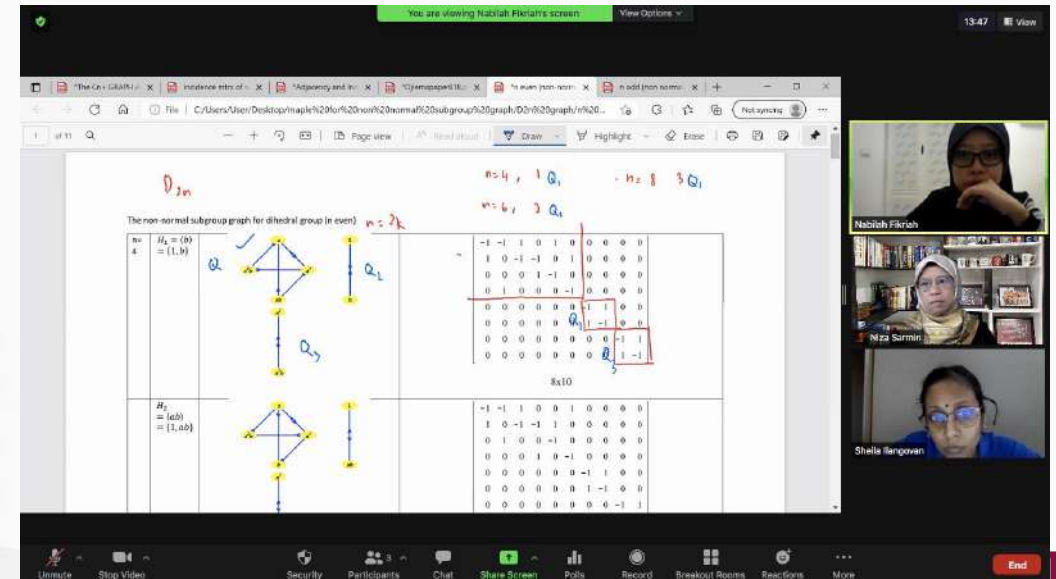
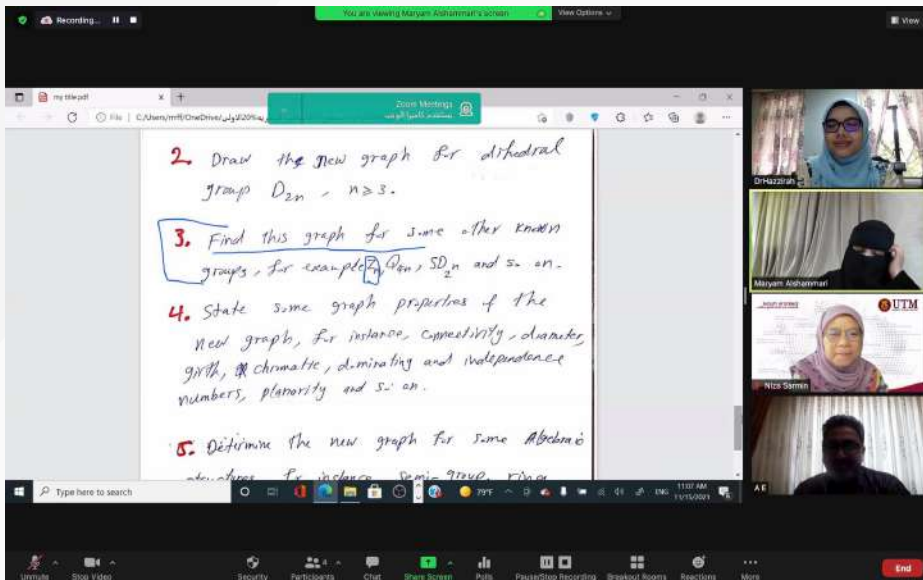
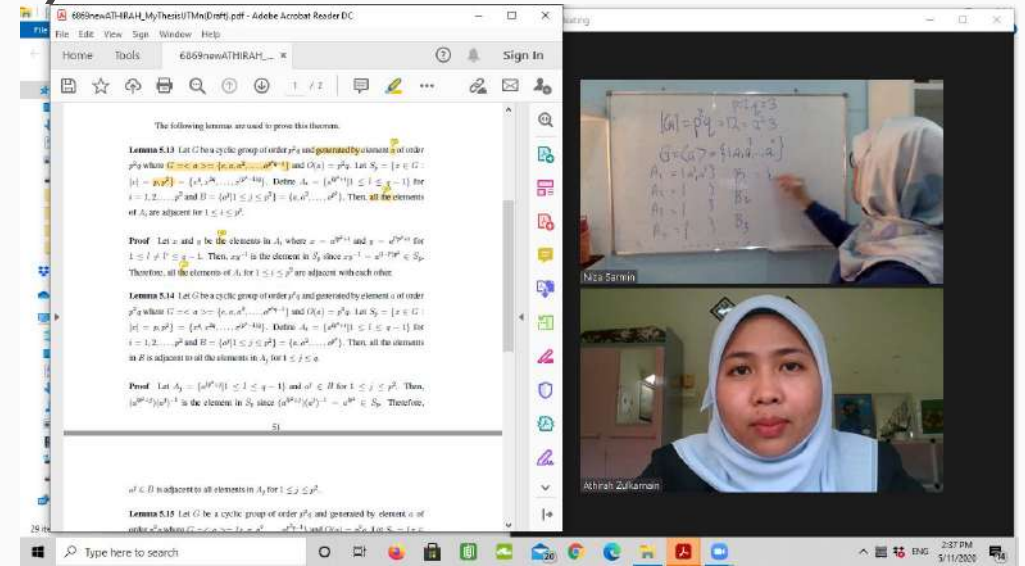
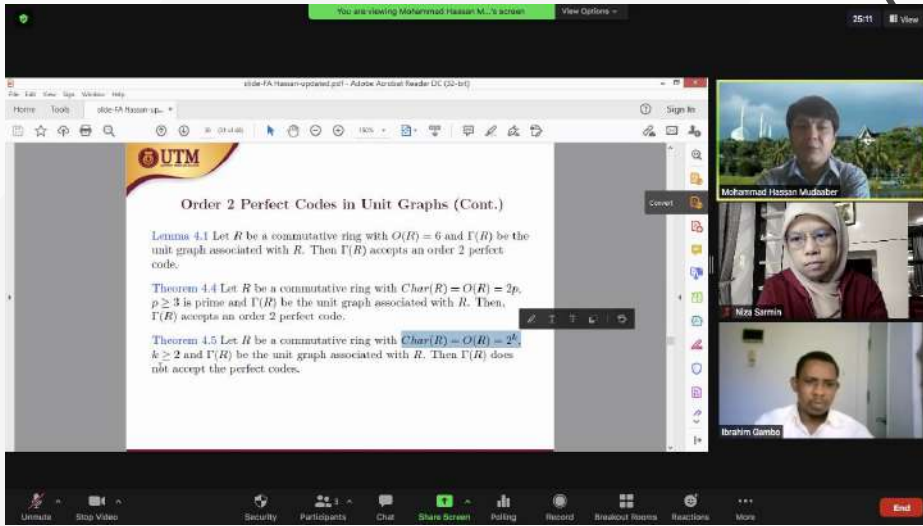


Fatma (MSc-Diss)

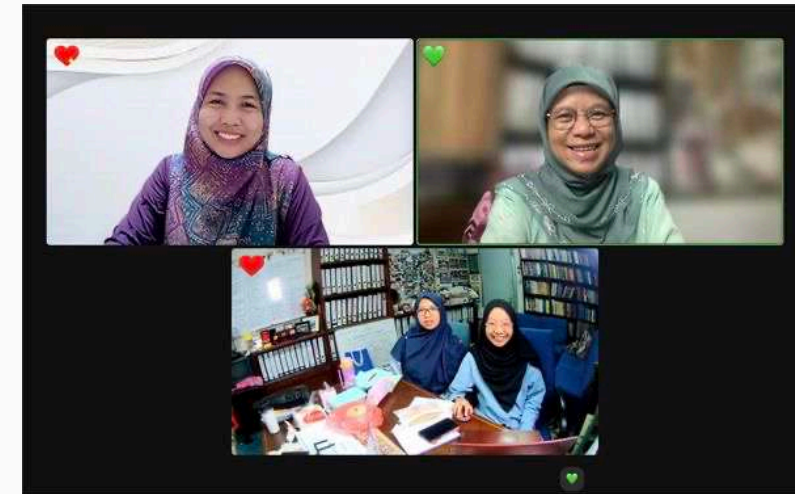


Mahwash (PhD)

Scheduled Planning of Research Discussion (Virtual)



Scheduled Planning of Research Discussion (Hybrid)



6

Keeping the Research on Track and Monitoring Progress

Logbook (PSM1)

6. Keeping the Research On Track and Monitoring Progress

Weekly Schedule

Week	Activity	Supervisor's verification & signature
Week 1 (8/10 – 12/10)	Student-Supervisor 1 st meeting. Ice breaking for research project	Supervisor's comments: Done as scheduled. Signature: <i>[Signature]</i> Date: 10/10/2023
Week 2 (15/10 – 19/10)	Meeting and discussion with supervisor for a detail research topic. PSM 1 Briefing (18/10/2023)	Research topic has been discussed and agreed : YES Supervisor's comments: Done as scheduled. Signature: <i>[Signature]</i> Date: 17/10/2023
Week 3 (22/10 – 26/10)	Discussion with supervisor on content of Project Proposal and individual research activities	Student is able to understand : Research Background : YES / NO Problem Statement : YES / NO Objective : YES / NO Scope of Research : YES / NO Methodology : YES / NO Supervisor's comments: The student is progressing ok. Signature: <i>[Signature]</i> Date: 24/10/2023
Week 4 (29/10 – 2/11)	Discussion with supervisor on progress of proposal and individual research activities	Student is able to understand/explain/write: (please comment) Research Background: <u> </u> YES Problem Statement : <u> </u> YES Objective : <u> </u> YES Scope of Research : <u> </u> YES Literature Review : <u> </u> YES Methodology : <u> </u> YES Supervisor's comments: The student is progressing ok as scheduled. Signature: <i>[Signature]</i> Date: 31/10/2023
Week 5 (5/11 – 9/11)	Discussion with supervisor on 1st draft of proposal and amendments of proposal	Student has submitted 1 st draft of research report <input type="checkbox"/> / <input type="checkbox"/> Student has NOT submitted 1 st draft of research report <input type="checkbox"/> Supervisor's comments: The student has sent the first draft. Signature: <i>[Signature]</i> Date: 07/11/2023
Week 6 (12/11 – 16/11)	Discussion with supervisor on amendments of proposal and individual research activities	Good progress <input type="checkbox"/> / <input type="checkbox"/> Moderate progress <input type="checkbox"/> Weak progress <input type="checkbox"/> Supervisor's comments: The student is progressing well.

		Signature: <i>[Signature]</i> Date: 15/11/2023 Check list: Research Background <input type="checkbox"/> / <input type="checkbox"/> Methodology <input type="checkbox"/> / <input type="checkbox"/> Problem Statement <input type="checkbox"/> / <input type="checkbox"/> Research framework <input type="checkbox"/> / <input type="checkbox"/> Objective <input type="checkbox"/> / <input type="checkbox"/> Gantt chart <input type="checkbox"/> / <input type="checkbox"/> Scope of Research <input type="checkbox"/> / <input type="checkbox"/> References <input type="checkbox"/> / <input type="checkbox"/> Literature Review <input type="checkbox"/> / <input type="checkbox"/> Note: 10-15 pages of project proposal Supervisor's comments: The proposal has been submitted. Signature: <i>[Signature]</i> Date: 21/11/2023
MID SEMESTER BREAK		
Week 7 (19/11 – 23/11)	SUBMISSION OF PROJECT PROPOSAL & Log Book (DUE: 22/11/23) - Soft copy	
Week 8 (3/12 – 7/12)	Discussion with supervisor on content of Project Report and individual research activities	Student began on the analysis (Expected/Preliminary results) Supervisor's comments: The construction of Cayley graph for D ₆ for all subsets and some calculations on the energy. Signature: <i>[Signature]</i> Date: 4/12/2023
Week 9 (10/12 – 14/12)	Discussion with supervisor on progress of project report and individual research activities	Student continued on the analysis (Expected/Preliminary results) Supervisor's comments: The student presented updated calculations. Signature: <i>[Signature]</i> Date: 12/12/2023
Week 10 (17/12 – 21/12)	Discussion with supervisor on progress of project report and individual research activities	Student has upgraded the following: Research Background : YES / NO Problem Statement : YES / NO Objective : YES / NO Scope of Research : YES / NO Literature Review : Union of graph Methodology : Still the same Research framework/Gantt chart : Still the same Supervisor's comments: Discussion on Chapter 4 has been done. Signature: <i>[Signature]</i> Date: 19/12/2023
Week 11 (24/12 – 28/12)	Discussion with supervisor on 1st draft of project report and amendments	Student has added the following: Expected/Preliminary results : YES / NO Student has submitted 1 st draft : YES / NO Supervisor's comments: The report is ahead of schedule. Signature: <i>[Signature]</i> Date: 2/1/2024
Week 12 (31/12 – 4/1)	Discussion with supervisor on 2nd draft of research report and amendments	

		Student has submitted 2 nd draft of research report <input type="checkbox"/> / <input type="checkbox"/> Student has NOT submitted 2 nd draft of research report <input type="checkbox"/> Supervisor's comments: The 2nd draft of the report has been presented and submitted in the GD. Signature: <i>[Signature]</i> Date: 2/1/2024
Week 13 (7/1 – 11/1)	Discussion with supervisor on research report and amendments	Good progress <input type="checkbox"/> / <input type="checkbox"/> Moderate progress <input type="checkbox"/> Weak progress <input type="checkbox"/> Supervisor's comments: Some results have been added in the proposal. Signature: <i>[Signature]</i> Date: 8/1/2024
Week 14 (14/1 – 18/1)	SUBMISSION OF 3MP PRESENTATION, PROJECT REPORT & LOG BOOK (DUE: 17/01/24) - Project report consists of: 20-30 pages, in soft copy - Verified by supervisor (SV needs to sign on the cover page)	Check list: Research Background <input type="checkbox"/> / <input type="checkbox"/> Methodology <input type="checkbox"/> / <input type="checkbox"/> Problem Statement <input type="checkbox"/> / <input type="checkbox"/> Research framework <input type="checkbox"/> / <input type="checkbox"/> Objective <input type="checkbox"/> / <input type="checkbox"/> Gantt chart <input type="checkbox"/> / <input type="checkbox"/> Scope of Research <input type="checkbox"/> / <input type="checkbox"/> Preliminary results <input type="checkbox"/> / <input type="checkbox"/> Literature Review <input type="checkbox"/> / <input type="checkbox"/> References <input type="checkbox"/> / <input type="checkbox"/> Supervisor's comments: The student has completed her proposal for this semester. Signature: <i>[Signature]</i> Date: 15/1/2024

Logbook (PSM2)

6. Keeping the Research On Track and Monitoring Progress

Weekly Schedule

Week	Activity	Supervisor's verification & signature
Week 1 (1/13 - 21/3)	Discussion with supervisor on progress of project report and individual research activities	Student continues on the analysis (Based on the Expected/ Preliminary results from UGP 1). Others: More results obtained. Date: 19/3/2024 Signature:
Week 2 (2/13 - 28/3)	General Briefing: UGP2 Schedule (Activity), Regulation and Assessment	Attend / NOT attend Date: 26/3/2024 Signature:
Week 3 (3/13 - 4/4)	Discussion with supervisor on progress of project report and individual research activities	Student continued on the analysis (finding results for the proposed project) Progress: Weak/Moderate/ Good Others: More results have been typed. JWGEA Abstract discussed and corrected. Date: 2/4/2024 Signature:
Week 4 (7/4 - 11/4)	Discussion with supervisor on progress of project report and individual research activities	Student continued on the analysis (finding results for the proposed project) Progress: Weak/Moderate/ Good Others: More results have been typed and checked. Date: 8/4/2024 Signature:
Week 5 (14/4 - 18/4)	Discussion with supervisor on progress of project report and individual research activities	Student continued on the analysis (finding results for the proposed project) Progress: Weak/Moderate/ Good Others: More results have been typed and checked. Date: 16/4/2024 Signature:

Week 6 (21/4 - 25/4)	Discussion with supervisor on progress of project report and individual research activities	Student has started improving/writing Project report and Proceedings: Chapter 1: Introduction Chapter 2: Literature review Chapter 3: The Cayley Graph Associated to the Dihedral Group of Order 6 and 8 with Subsets of Certain Order Chapter 4: The Energy of the Cayley Graph Associated to the Dihedral Group of Order 6 and 8 with Subsets of Certain Order Chapter 5: The Minimum Degree Energy of the Cayley Graph Associated to the Dihedral Group of Order 6 and 8 with Subsets of Certain Order Progress: Weak/Moderate/ Good Others: More results (Chapter 4 and Chapter 5) have been checked. Date: 21/4/2024 Signature:
Week 7 (28/4 - 2/5)	Discussion with supervisor on progress of project report and individual research activities Submission of Form 2A: Presentation Qualifying Form (Borang Layak Membentang) by Supervisor	Student has started improving/writing Project report and FYP Proceedings: Chapter 1: Introduction Chapter 2: Literature review Chapter 3: The Cayley Graph Associated to the Dihedral Group of Order 6 and 8 with Subsets of Certain Order Chapter 4: The Energy of the Cayley Graph Associated to the Dihedral Group of Order 6 and 8 with Subsets of Certain Order Chapter 5: The Minimum Degree Energy of the Cayley Graph Associated to the Dihedral Group of Order 6 and 8 with Subsets of Certain Order Chapter 6: Conclusion Progress: Weak/Moderate/ Good Others: More results (Chapter 6 and Abstract) have been checked. Date: 29/4/2024 Signature:
Week 8 (12/5 - 16/5)	Discussion with supervisor on progress of project report and individual research activities	Student has started improving/writing 1. Project report: Chapter 1: Introduction Chapter 2: Literature review Chapter 3: The Cayley Graph Associated To The Dihedral Group of Order 6 and 8 with Subsets of Certain Order Chapter 4: The Energy of The Cayley Graph Associated to The Dihedral Group of Order 6 and 8 with Subsets of Certain Order Chapter 5: The Minimum Degree Energy of The Cayley Graph Associated to The Dihedral Group of Order 6 and 8 with Subsets of Certain Order Chapter 6: Conclusion

Week 9 (19/5 - 23/5)	Submitted to supervisor the draft of project report	*Report writing must follow UTM thesis template* 2. FYP Proceedings *FYP proceeding must follow Proc Sci Math proceeding template* Progress: Weak/Moderate/ Good Others: 1st draft of paper for proceeding has been checked. Date: 13/5/2024 Signature:
Week 10 (26/5 - 30/5)	Discussion with supervisor draft of project report and amendments	<ul style="list-style-type: none"> Student has submitted draft of project report/proceeding Student has NOT submitted draft of project report/proceeding Others: The student has submitted the draft of the project report with the abstract. Corrections of proceedings has been discussed. Date: 21/5/2024 Signature:
Week 11 (2/6 - 6/6)	Discussion with supervisor draft of project report and amendments	Comments have been given to student Student works on draft amendments Others: Discussion on project report correction. Date: 28/5/2024 Signature:
Week 12 (9/6 - 13/6)	SUBMISSION OF ABSTRACT (DUE: 05/06/2024, WEDNESDAY) In English (word version) Submit to google drive/e-learning Others: Abstract submitted. Date: 4/6/2024 Signature:	SUBMISSION OF SOFT COPY PROJECT REPORT, PROCEEDING (DUE: 9/06/2024, SUNDAY) Note: Thesis-minimum 50 pages (not including references). Proceeding-maximum 10 pages.

Week 13 (16/6 - 20/6)	Slide preparation Discussion on presentation slide with Supervisor Others: Slide checked and commented. Date: 11/6/2024 Signature:
Week 14 (23/6 - 27/6)	Reviewing report process by examiner Others: Final slide checked and commented. Date: 18/6/2024 Signature:
Week 15 (30/6 - 4/7)	SYMPOSIUM: TBA Correction of project report and proceeding
Week 16 (7/7 - 11/7)	SUBMISSION OF FINALISED PROJECT REPORT - Due: 18/07/2024 (KHAMIS) SUBMISSION OF PROCEEDING (in word file) SUBMISSION OF SOFTCOPY PROJECT REPORT SUBMISSION OF BORANG PENGESAHAN PEMBETULAN Soft copy to e-learning

Logbook (PSM)

WEEK:.....9.....

DATE: 21/5/2024

1. 9th meeting with Prof. Dr. Nor Haniza Sarmin. (21/5/2024) (10-12pm)
- Discussion on Proceeding (main results and conclusion)
2. Proceeding writing (main results and conclusion)
3. Finalizing project report and has submitted the 2nd draft.
4. Discussion on the PSM schedule for the rest of the semester.



Logbook (PhD)



Student Name NURHIDAYAH ZAID	Supervisor Name PROF DR NOR HANIZA SARMIN DR SANHAN KHASRAW	Date of previous meeting:
Type of meeting (circle as appropriate) <u>Scheduled</u> / Unscheduled / End of year review		Date of today's meeting: 19/1/2023

Please outline the current objectives and progress made in achieving them.

update on research progress

suggestion on topic for SKSM30 :-

The zero divisors of finite ring of matrices of size two and their related graphs

Please answer the following questions:

	Supervisor		Student	
	Yes	No	Yes	No
Has the student made sufficient progress in meeting the objectives?	/		/	
Are the supervisor and student clear about current objectives?	/		/	
Have any specific problems associated with the work or supervision been identified? If appropriate, please comment below.	/		/	
Are the supervisor and student clear about the work to be done before the next meeting?	/		/	

Report of supervisory session - please note any additional comments here.

- Discussion on research update + thesis writing
- Prepare abstract for SKSM 30.

Please outline current/new objectives agreed for period from today to next meeting.

• Explain details earlier in CP2 → eg: Linear congruence

• tengok publications Prof Edy

$\sum a_i \rightarrow$ summation i pun bergerak

$n-i$

Date of next meeting:

Signature (student):

Signature (supervisor):

Copies to be retained by students and supervisor. Copies will be required as part of semester report on student progress.
supervisory_report_form.doc

Present Research Progress



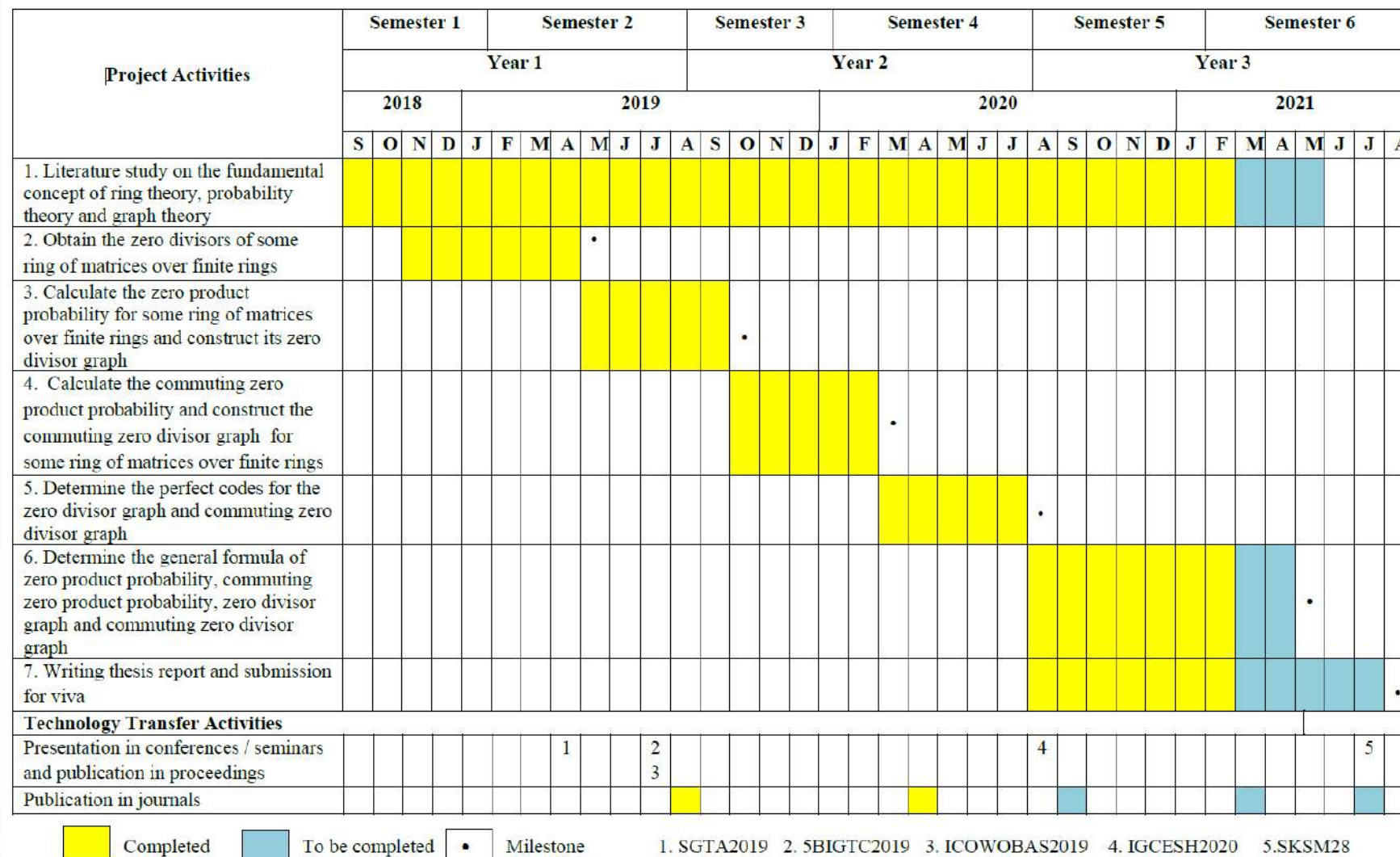
MAKLUMAT PENGAJIAN (PROGRAMME DETAILS):

Program yang dituntut (Programme of study)	DOCTOR OF PHILOSOPHY (MATHEMATICS) (4 th Semester)	
Bidang Pengkhususan (Area of specialisation)	PURE MATHEMATICS	
Tenggalaan pengajian (Length of study)	Tarikh pendaftaran pertama (First date of enrolment)	Tarikh tamat (Date of completion)
36 MONTHS	10/09/2018	AUGUST 2021
Mata Pelajaran Keadah Penyelidikan (Research Methodology)	Kod mata pelajaran (Subject code)	Tarikh ambil (Date taken)
	ISP110	3/11
Nama Penielia/Penyelaras Program (Name of Supervisor/Supervisor)	1. PROF. DR NOR HANIZA SARMIN (Main) 2. DR SANHAN MUHAMMAD SALIH KHASHAW (Co)	
Tempoh laporan ini dibuat (Period of which this report is based)	Mula (From)	hingga (To)
	2/12/2019	29/4/2020

6. Keeping the Research On Track and Monitoring Progress

Research Planning

Gantt Chart



Research Planning

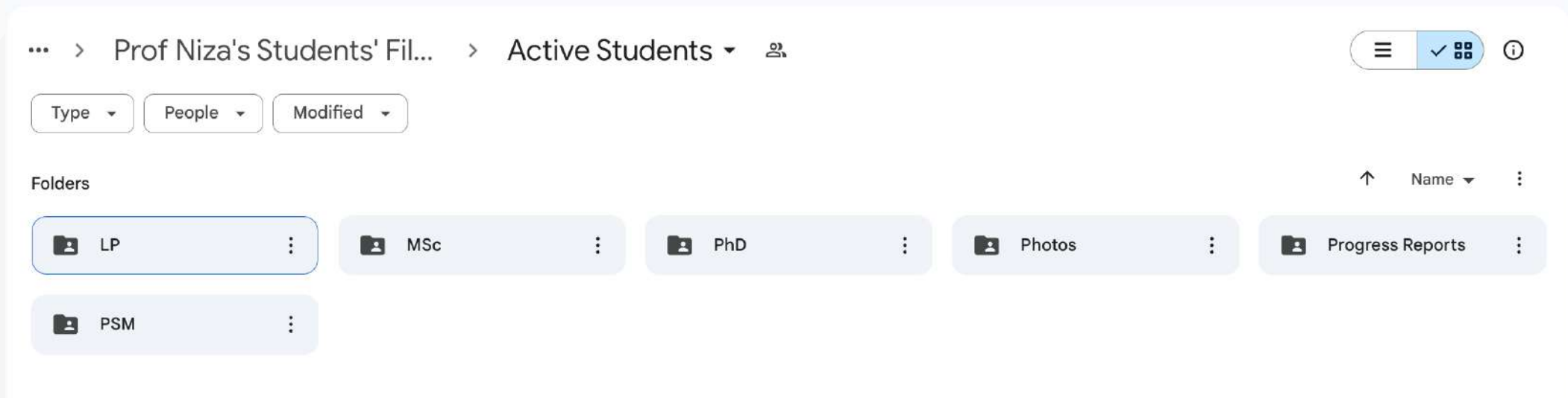
UTM Academic Calendar

DATE		PROGRAMME	PUBLIC HOLIDAY
UTM JB	UTM KL		
Postgraduate International : 16 - 19 September 2024 (JB) 28 - 29 September 2024 (KL) Local : 24 - 26 September 2024 (JB) 28 - 29 September 2024 (KL)		Registration of New Students Semester I 2024/2025 Session (October Intake)	
Undergraduate International : 16 - 19 September 2024 (JB) 28 - 29 September 2024 (KL) Local : 28 September 2024 (JB & KL)			
29 September - 3 October 2024		Student Orientation Week Minggu Mesra Mahasiswa (MMM) International Student Orientation Programme (ISOP) Faculty Briefing for Academic Matters	
2 - 3 October 2024	3 - 4 October 2024	Special Course Registration	
SEMESTER I 6 OCTOBER 2024 - 15 MARCH 2025 - UTM JB ■ 7 OCTOBER 2024 - 16 MARCH 2025 - UTM KL (23 WEEKS)			
6 October 2024	7 October 2024	Lectures Semester I (First Half) (7 Weeks)	Deepavali 31 October 2024 (Thursday)
23 November 2024	24 November 2024		
24 November 2024	25 November 2024	Mid-Semester Break for Semester I (1 Week)	
30 November 2024	1 December 2024		
1 December 2024	2 December 2024	Lectures Semester I (Second Half) (7 Weeks)	Christmas Day 25 December 2024 (Wednesday) New Year's Day - KL only 1 January 2025 (Wednesday)
18 January 2025	19 January 2025		
19 January 2025	20 January 2025	Revision Period for Semester I (1 Week)	
25 January 2025	26 January 2025		
31 January 2025	31 January 2025	Final Examination for Semester I (3 Weeks)	Chinese New Year 29 - 30 January 2025 (Wednesday & Thursday) Federal Territory Day (KL Only) 1 February 2025 (Saturday) Thaipusam 11 February 2025 (Tuesday)
16 February 2025	16 February 2025		
17 February 2025	17 February 2025	Final Break for Semester I (4 Weeks)	Awal Ramadhan 1 March 2025 (Saturday) - Johor Only
15 March 2025	16 March 2025		
Postgraduate International : 24 - 26 February 2025 (JB) 8 - 9 March 2025 (KL) Local : 3 - 5 March 2025 (JB) 8 - 9 March 2025 (KL)		Registration of New Students Semester II, 2024/2025 Session (March Intake)	
Undergraduate International : 24 - 26 February 2025 (JB) 8 - 9 March 2025 (KL) Local : 12 March 2025 (JB & KL)			
10 - 13 March 2025		International Student Orientation Programme (ISOP)	
12 - 13 March 2025		Faculty Briefing for Academic Matters Special Course Registration (Special)	

SEMESTER II 16 MARCH - 4 OCT 2025 - UTM JB ■ 17 MARCH - 5 OCT 2025 - UTM KL (29 WEEKS)			
16 March 2025 - 3 May 2025	17 March 2025 - 4 May 2025	Lectures Semester II (First half) (7 Weeks)	Nuzul Al-Quran (KL Only) 17 March 2025 (Monday) Sultan Johor's Birthday (Johor Only) 23 March 2025 (Sunday) Aidilfitri Eid 31 March - 1 April 2025 (Monday & Tuesday) Labour Day 1 May 2025 (Thursday)
4 May - 10 May 2025	5 May - 11 May 2025	Mid-Semester Break for Semester II (1 Week)	
11 May 2025 - 28 June 2025	12 May 2025 - 29 June 2025	Lectures Semester II (Second half) (7 Weeks)	Wesak Day 12 May 2025 (Monday) *Kramatan Festival (Labuan & Sabah only) 30 & 31 May 2025 (Friday & Saturday) *Gawai Day (Sarawak only) 1 & 2 June 2025 (Sunday & Monday) Hari Keputeraan YDP Agong 3 June 2025 (Tuesday) Aidiladha Eid 6 June 2025 (Friday) 8 June 2025 (Sunday) - Johor only Awal Muharam - Johor only 27 June 2025 (Friday) 29 June 2025 (Sunday) - Johor only
29 June 2025 - 5 July 2025	30 June 2025 - 6 July 2025	Revision Period for Semester II (1 Week)	
6 July 2025 - 26 July 2025	7 July 2025 - 27 July 2025	Final Examination for Semester II (3 Weeks)	
27 July 2025 - 4 October 2025	28 July 2025 - 5 October 2025	Final Break for Semester II (10 Weeks)	
SHORT SEMESTER 27 JULY - 2 OCTOBER 2025 - UTM JB ■ 28 JULY - 3 OCTOBER 2025 - UTM KL (10 WEEKS)			
27 July - 2 August 2025	28 July - 3 August 2025	Final Break for Short Semester (1 Week)	
30 July - 31 July 2025	31 July - 1 August 2025	Course Registration for Short Semester 2024/2025	
3 August - 2 October 2025	4 August - 3 October 2025	Lectures Short Semester (9 Weeks)	Hal Almarhum Sultan Ismail - Johor only 1 August 2025 (Friday) 3 August 2025 (Sunday) National Day 31 August 2025 (Sunday) Maulidur Rasul 5 September 2025 (Friday) 7 September 2025 (Sunday) - Johor only Malaysia Day 16 September 2025 (Tuesday)

6. Keeping the Research On Track and Monitoring Progress

Systematic Records



Systematic Records

PSM > PSM 2023/2024

Type | People | Modified

Folders

- Izzati Jusni
- Photos
- PSM 1
- PSM 2
- Yew Yun Ru

PSM 2023/2024 > Yew Yun Ru

Type | People | Modified

Folders

- JWGEA
- Literature Review
- PSM 1
- PSM 2

Files

- Academic Transcri...
- Resume Yew Yun R...

Yew Yun Ru > PSM 2

Type | People | Modified

Files

- Abstract [050620...]
- Final Proceeding [...]
- Final Project Repo...
- Logbook 2023202...
- Proceeding [0606...]
- Proceeding draft [...]
- Project Report [06...]
- Project Report dra...
- Slide FYP Present...

6. Keeping the Research On Track and Monitoring Progress

Systematic Records

... > Active Students > PhD ▾ 👤

Type ▾ People ▾ Modified ▾

Folders

↑ Name ▾ ⋮

- 1.6 Muhammad Nur Syih... ⋮
- 17.1 Maryam Fahd (Dr H... ⋮
- 17.2 Mahwash Imtiaz ⋮
- 23.1 Asad Ghafoor (Dr ... ⋮
- 36. Nur Athirah Farhan... ⋮
- 37. Ghazali Semil @ Is... ⋮

... > PhD > 1.6 Muhammad Nur Syih... ▾ 👤

Type ▾ People ▾ Modified ▾

Folders

↑ Name ▾ ⋮

- Course Registration S... ⋮
- First Assessment Docu... ⋮
- Literature Review ⋮
- Log Book ⋮
- Publication ⋮
- Thesis ⋮

6. Keeping the Research On Track and Monitoring Progress

Systematic Records

... > Graduated Students > PhD ▾ ⓘ

Type ▾ People ▾ Modified ▾

Folders

↑ Name ▾ ⓘ

1. Fong Wan Heng (2... ⓘ	1.1 Gan Yee Siang (2... ⓘ	1.2 Mathuri Selvaraj... ⓘ	1.3 Nurhidaya Mohd ... ⓘ	1.4 Nurul Izzaty Ismail ⓘ
1.5 Aqilahfarhana Ab... ⓘ	2. Azhana Ahmad (2... ⓘ	3. Dr Nor Muhainiah ... ⓘ	3.1 Zainab Yahya (20... ⓘ	3.2 Rosita Zainal (20... ⓘ
3.3 Muhanizah Abd ... ⓘ	3.4 Adnin Affi Nawi ... ⓘ	3.5 Norarida Abd Rh... ⓘ	4. Rohaidah Masri (2... ⓘ	5. Norashiqin Mohd I... ⓘ
6. Loh Ser Lee (2011) ⓘ	7. Samad Rashid (20... ⓘ	8. Yuhani Yusof (2011) ⓘ	9. Mohd Sham Moha... ⓘ	10. Fadila Normahia ... ⓘ
11. Fariba Karimi (20... ⓘ	12. Sheila Ilangovan ... ⓘ	13. Faiz Muhammad ... ⓘ	14. Abdulqader Assa... ⓘ	15. Yasmin Barakat (... ⓘ
16. Kayvan Moradip... ⓘ	17. Hazzirah Izzati M... ⓘ	18. Sanaa Mohamed ... ⓘ	19. Hidayatullah Kha... ⓘ	20. Muhammad Azri... ⓘ
21. Mustafa Sanfaz (... ⓘ	22. Siti Afiqah Moha... ⓘ	23. Siti Norziahidayu... ⓘ	24. Rabiha Birkia (2... ⓘ	25. Ibrahim Gambo (... ⓘ
26. Suad Al-Rehali (... ⓘ	27. Alia Husna Mohd ... ⓘ	28. Nuridayu Alimon ... ⓘ	29. Nabilah Najmud... ⓘ	30. Amira Fadina Mo... ⓘ
31. Mohammad Hass... ⓘ	32. Siti Salmah Yasir... ⓘ	33. Nurhidayah Zaid ⓘ	34. Athirah Zulkarnain ⓘ	35. Nabilah Fikriah R... ⓘ



7

Supporting Candidates' Personal, Professional and Career Development

Students' Lifestyles

Postgraduate
Student Society

College

Global Buddies

Toastmasters Club/
Other Clubs

Culture Corner

Outbound Mobility-
Research Attachment

International
Student Society

7. Supporting Candidates' Personal, Professional and Career Development

Postgraduate Student Society Activities

PGSS Faculty of Science



- Nur Athirah Farhana Zai (2020/2021)
- Athirah Zulkarnain, Syiham Razak (2019/2020)
- Nur Idayu Alimon, Nurhidayah Zaid (2018/2019)
- Amira Fadina Ahmad Fadzil (2017/2018)
- Siti Norziahidayu Amzee Zamri (2016/2018)
- Siti Afiqah Mohammad (2015/2016)
- Faiz Muhammad Khan (2012/2013)



PGSS UTM



- Nur Idayu Alimon (2018/2019)
- Siti Afiqah Mohammad (2015/2016)



7. Supporting Candidates' Personal, Professional and Career Development



7. Supporting Candidates' Personal, Professional and Career Development

International Student Society & Culture Corner



7. Supporting Candidates' Personal, Professional and Career Development



Students Counselling Centre



The poster features an illustration of a female counsellor in a yellow vest and orange pants sitting on a green armchair, holding a notepad. A male student in a red shirt and black pants sits on a yellow armchair, gesturing while speaking. They are in a bright room with large windows and stylized white flowers. The UTM logo is at the top center.

UTM
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Pusat Kaunseling UTM UTM Counselling utmcounselling

7. Supporting Candidates' Personal, Professional and Career Development

Real-World Experience

UNAIR-UTM Funmath Camp 2023 in Indonesia



7. Supporting Candidates' Personal, Professional and Career Development

Sponsor Students Attending Conference by Using Grant

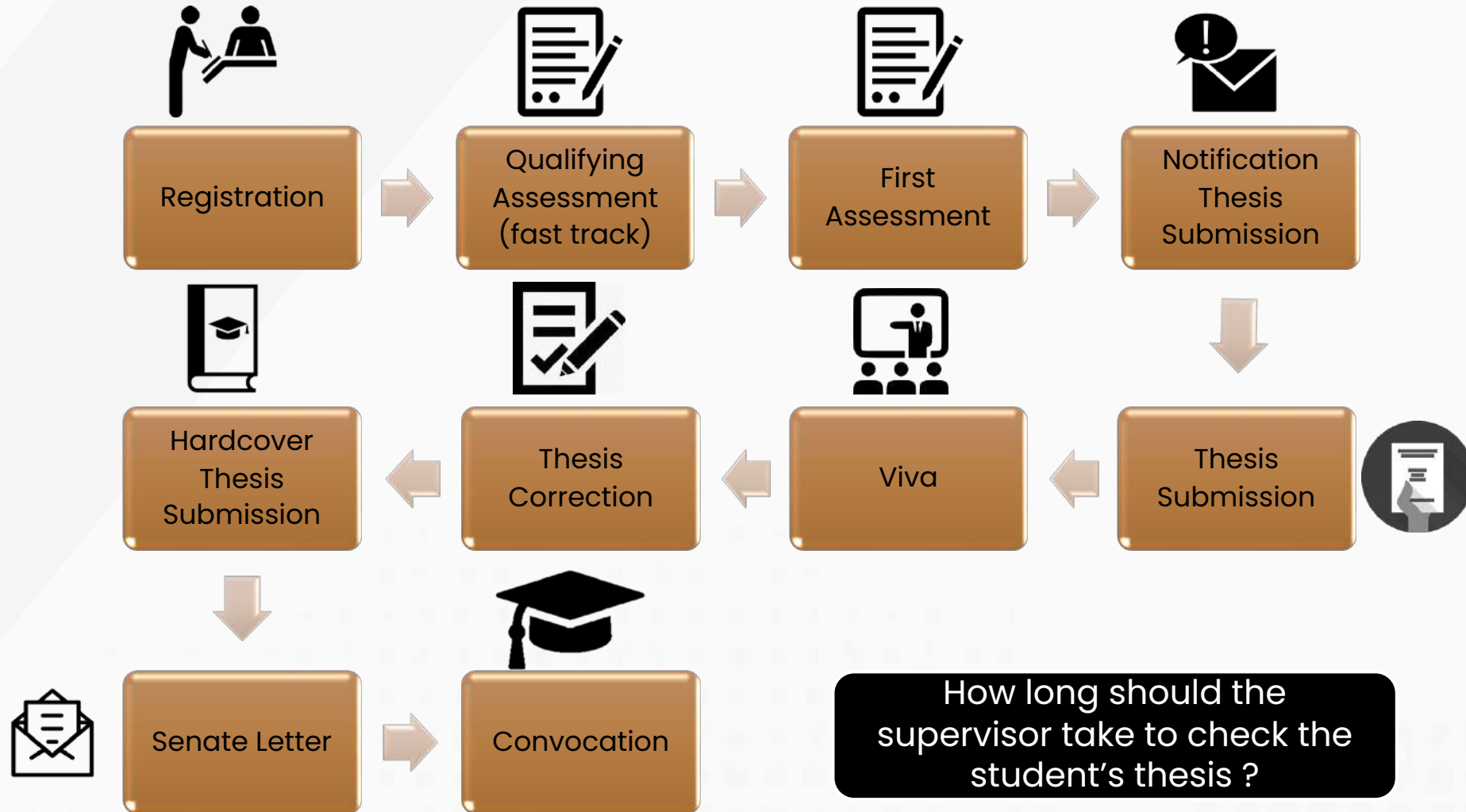
Acknowledgement The first author would like to acknowledge Universiti Teknologi Malaysia (UTM) and Public Service Department (JPA) for the financial support through Program Pelajar Cemerlang (PPC). The authors would also like to thank the Ministry of Higher Education Malaysia (MoHE) for the funding of this research through Fundamental Research Grant Scheme (FRGS/1/2020/STG06/UTM/01/2) and UTM for the UTM Fundamental Research Grant (UTMFR) Vote Number 20H70.



8

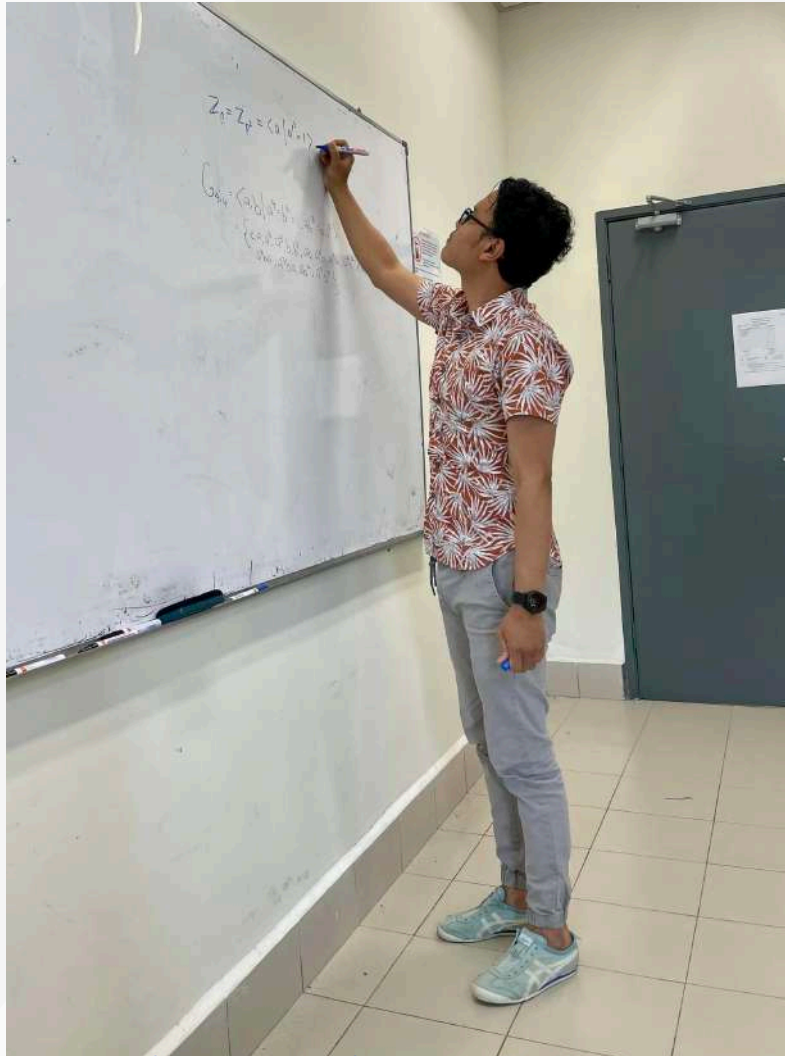
Supporting Candidates Through Completion and Final Examination

Planning For The PhD Journey



8. Supporting Candidates Through Completion and Final Examination

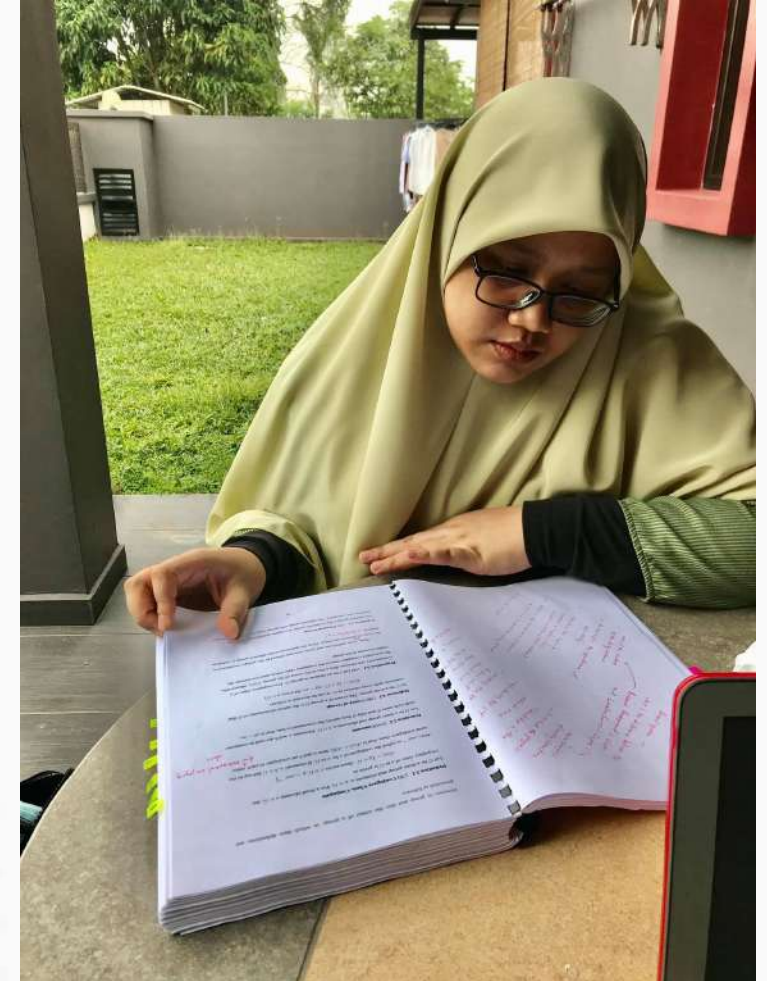
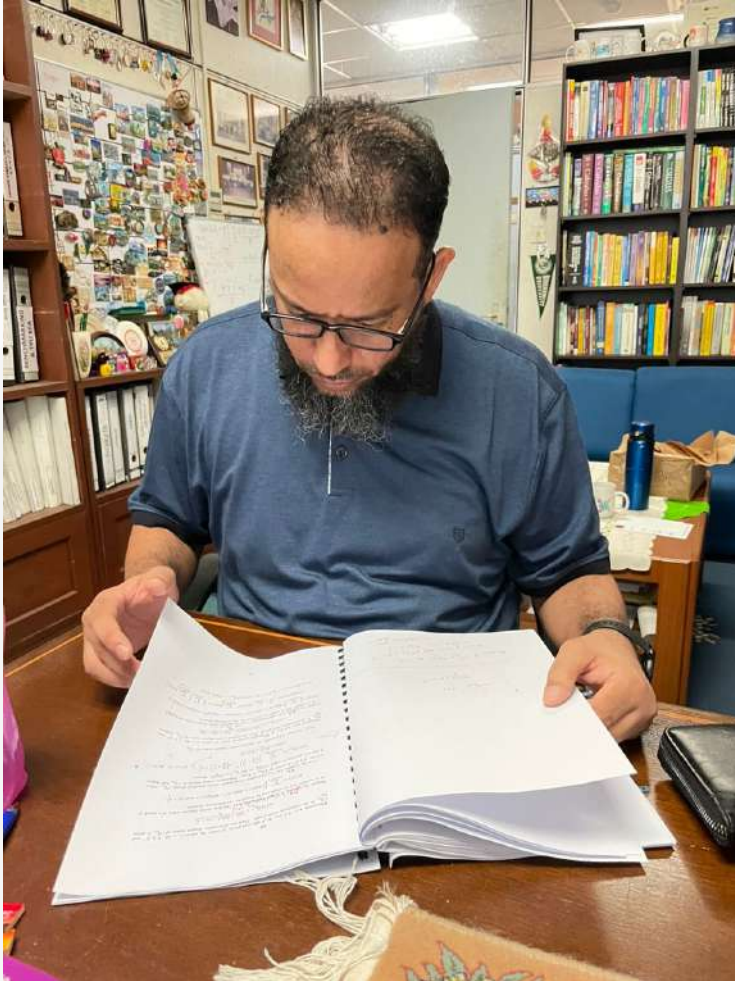
Sit-in Class



Future Planning

- Seminars/Conferences
- Publications
- Notice of Submission of Thesis
- Thesis Write-Up (Table of Contents)
- Thesis Writing
- Viva
- Corrections
- Submission

Tips on Thesis Writing, Corrections and Submission



8. Supporting Candidates Through Completion and Final Examination

Tips on Thesis Writing, Corrections and Submission



17 March 2024

8. Supporting Candidates Through Completion and Final Examination

Before Viva

Mock presentations within research group

One-to-one mock presentation with students

Viva



19 May 2024

Corrections And Submission After Viva

Dear Candidate,

19 May 2024

THESIS CORRECTION

Congratulations on the successful defense of your Doctoral Thesis.

2. As decided in the viva session, you are required to make the necessary corrections as requested by the Panel of Examiners as stated in the examiners report. You are given **three (3) month** from the date of viva to submit the amended thesis together with the **Certification on the Correction of Thesis by Supervisor form (Series No: SPS/23/2018/Pind.2/2023)** to the Postgraduate Office, Faculty of Science for record and verification purposes.
 3. Please find the enclosed report of your oral examination (viva-voce).
 4. Please note that failure to submit the amended thesis by **18/08/2024 (Sunday)** will result in your record as a student of Universiti Teknologi Malaysia being terminated and you **will not be awarded the degree**.
 5. For your information, the University has the right not to accept thesis that does not adhere to the University's regulation
- Thank you.



30 May 2024

8. Supporting Candidates Through Completion and Final Examination

Corrections And Submission After Viva



6 June 2024

Dear Candidate,

11 June 2024

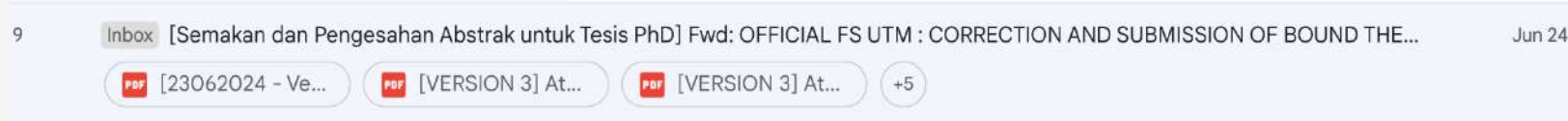
CORRECTION AND SUBMISSION OF BOUND THESIS

With reference to the above matter.

2. We would like to inform you that the Panel of Examiners has duly examined the corrected thesis and is therefore satisfied with the relevant corrections.
3. You are required to submit the bound thesis within **four (4) weeks** from the date of this notice. Please submit the manuscript to the Postgraduate Office for final verification before binding.
4. The manuscript must fulfill the regulations as stipulated in the **UTM THESIS MANUAL**. The University has the right not to accept a thesis that does not adhere to the University's regulations.
5. You are also required to submit the abstract approval form from the faculty with the bound thesis.
6. Please take note that failure to submit the bound thesis **before 09/07/2024** will result in your record as a student of Universiti Teknologi Malaysia being terminated and you will not be awarded the degree.

Corrections And Submission After Viva

23 June 2024



PENGESAHAN ABSTRACT
NAMA PELAJAR : ATHIRAH ZULKARNAIN

24 June 2024

Perkara di atas adalah dirujuk.

Bersama-sama ini dilampirkan *abstract* yang telah disahkan oleh TDAHEP untuk rujukan dan tindakan saudara selanjutnya.

Sekian, terima kasih.

"MALAYSIA MADANI"

"BERKHIDMAT UNTUK NEGARA KERANA ALLAH"

Saya yang menjalankan amanah,

Safura binti Jema'in
Pembantu Khas
b/p Timbalan Dekan (Akademik & Hal Ehwal Pelajar)

Submission of Hardcover Thesis



30 June 2024



8. Supporting Candidates Through Completion and Final Examination

Senate Letter

1 August 2024

SENATE CONFIRMATION

We are pleased to inform you that the University Senate, at its meeting on **July 31, 2024** has confirmed that you have successfully fulfilled all academic requirements and has thus awarded you the degree of:

**DOCTOR OF PHILOSOPHY
FIELD OF RESEARCH : MATHEMATICS**

effective from **June 9, 2024**.



9

Supporting Candidates to Disseminate Their Research

UTM Publication Requirements (MSc by Research)

- at least one (1) article that has been **accepted** or **published** in a journal, conference proceeding, or book chapter.

UTM Publication Requirements (PhD)

6th – 16th semester

- at least one (1) article that has been **accepted** or **published** in a journal indexed on the **Web of Science**
OR
- at least two (2) articles that have been **accepted** or **published** in journals indexed in **SCOPUS/ERA**/journals listed in myJurnal (Malaysian Journal Management System) from **MyCite** (Malaysian Citation Center).

UTM Publication Requirements

- The article produced must have the **supervisor's name** (not subject to First UTM Author) and **UTM** as the name of the institution.
- The student must be **First Student Author**.

Publications to Submit Thesis

Indexed Journal

1. **Mudaber, M.H**, Sarmin, N.H., & Gambo, I. (2021). Perfect Codes Over Induced Subgraphs of Unit Graphs of Ring of Integers Modulo n . *JWSEAS Transactions on Mathematics*, 20, 399-403. (Indexed by SCOPUS)
2. **Mudaber, M.H**, Sarmin, N.H., & Gambo, I. (2022). Perfect Codes in the Spanning and Induced Subgraphs of the Unity Product Graph. *Mathematics and Statistics*, 10(4),754-758. (Indexed by SCOPUS)
3. **Mudaber, M.H**, Sarmin, N.H., & Gambo, I. (2022). Perfect Codes in Induced Subgraph of Unit Graph Associated with Some Commutative Rings. *Jurnal Teknologi*, 84(5),131-136. (Q_3 :IF=0.22)
4. **Mudaber, M.H**, Sarmin, N.H., & Gambo, I. (2022). Non-Trivial Subring Perfect Codes in Unit Graph of Boolean Rings. *Malaysian Journal of Fundamental and Applied Sciences (MJFAS)*, 18, 374-382.(Q_4 : IF=0.12)
5. **Mudaber, M.H**, Sarmin, N.H., & Gambo, I. (2022). Perfect Codes in Unity Product Graphs of Some Commutative Rings. *Southeast Asian Bulletin of Mathematics* (Accepted). (Indexed by WOS)

Non-indexed Journal

1. **Mudaber, M.H**, Sarmin, N.H., & Gambo, I. (2022). Perfect Codes in Unit Graph of Some Commutative Rings. *Advances and Application in Mathematical Sciences*, 21(4),1895-1905.

Proceeding

1. **Mohammad Hassan Mudaber**, Nor Haniza Sarmin, & Ibrahim Gambo. (2022). Perfect Codes in Spanning Subgraphs of Unit Graphs Associated with Some Boolean Rings. *Proceedings of science and mathematics*, 6, 86-89.

Papers Presented in Conferences

1. **Mohammad Hassan Mudaber**, Nor Haniza Sarmin, & Ibrahim Gambo. Connectivity of Modified Unit Graph of Some Commutative Rings. *3rd International E-Conference on Mathematical Advances and Applications*

9. Supporting Candidates to Disseminate Their Research

10

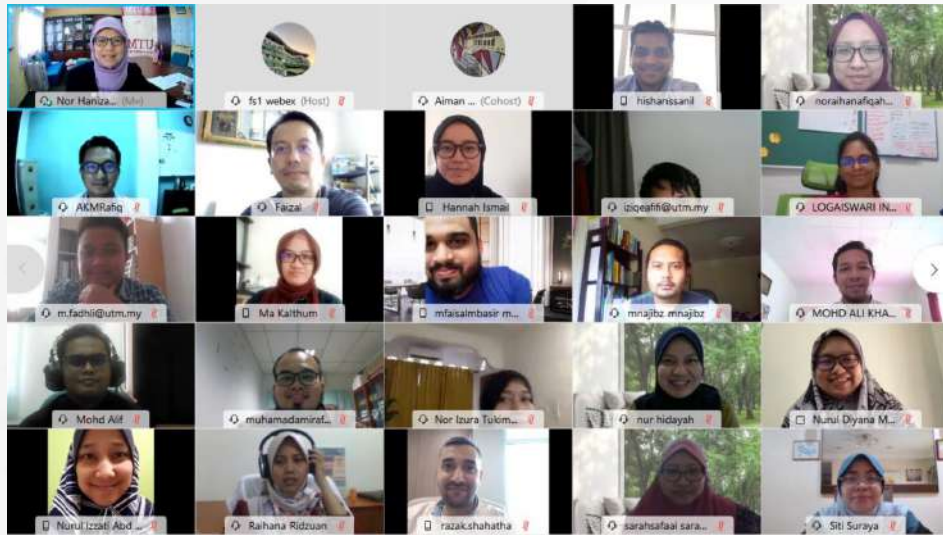
Reflecting Upon and Enhancing Practice

AS102 - Supervisory Development Program Course

GOT and Research Students Lifestyles



5 Sept 2019



3 March 2021



22 Dec 2022

10. Reflecting Upon and Enhancing Practice

121 Session: Ethics & Ethical Issues in Publication



Tuesday (13 June 2023)
9am - 12pm
Seminar Room 3, Level 3, Block F54,
School of Graduate Studies

OUR EXPERTS



Assoc. Prof. ChM. Dr. Roswanira Abdul Wahab
(Associate Professor of Department of Chemistry)



Prof. Dr. Sharidan Shafie
(Professor of Department of Mathematical Sciences)



Assoc. Prof. Dr. Amiruddin Shaari
(Associate Professor of Department of Physics)



Dr. Nicole Leong Hong Yeng
(Senior Lecturer of Department of Biosciences)

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4/2021



INSPEM'S ONLINE WEEKLY SEMINAR

DATE: 29 JANUARY 2021 (FRIDAY) | TIME: 3.15 PM
MEDIUM: VIDEO CONFERENCE (ZOOM)

Meeting ID: 960 1464 7762
Passcode: 788910



Prof. Dr. Nor Haniza Sarmin

Department of Mathematical Sciences,
Faculty of Science,
Universiti Teknologi Malaysia,
Johor Bahru, Johor.

Topic: A Ph.D. Dilemma - To publish or To Graduate-On-Time?

ABSTRACT

Which one is more important? To Graduate-On-Time (GOT) or to produce as many publications as possible? In this talk, the speaker will share her experiences in supervising research students and some tips for the students to achieve both at the same time. Prof Niza has successfully supervised and graduated 35 Ph.D students and 80% of them GOT. This talk is aimed to be beneficial to all postgraduate students by research and also supervisors. Furthermore, she will also share some of her students' research topics which mostly cover the area in Group Theory, Formal Language Theory and their applications.

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Graduate on Time (GOT): A Wake-up Call

Speaker: Prof. Dr. Nor Haniza Sarmin



2:00PM | 26 DECEMBER 2018
DEWAN KULIAH 2, C17
*LIMITED TO 50 PARTICIPANTS
FOR ANY ENQUIRY:
+6019-6400680 (IZZATY)

FREE ENTRY | FREE REFRESHMENT

Conclusion

1

Huge
responsibility!

2

Supervision Skills

Supervision Skills

- Knowledgable
- Resourceful
- Passion/Compassion
- Punctual
- Ever-Helpful
- Friendly
- Approachable
- Smart
- Intelligent
- Caring
- Supportive
- Understanding

Supervision Skills (cont.)

- Committed
- Highly-disciplined
- Great communication skills
- Great networking
- Highly-skilled in the area
- Alert of all deadlines
- Sincere
- Empathy
- Patient

COURSE OUTPUT

1. differentiate different levels of academic supervision.
2. acknowledge issues in supervision.
3. recognise the skills needed in supervision.
4. conduct students' supervision practice effectively.

REFERENCES

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2. Kod Amalan Penyelidikan Pasca Siswazah SEKOLAH PENGAJIAN SISWAZAH (SPS), UTM
<https://sps.utm.my/wp-content/uploads/2019/03/KAPS-10.pdf>
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<https://sps.utm.my/wp-content/uploads/2024/02/ProPS-2022-final.10012023-English-Version.pdf>



**THANK YOU
AND ALL THE BEST!**

PROF. DR. NOR HANIZA SARMIN



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Niza Sarmin



Niza Sarmin

In the Name of God for Mankind