


# Curriculum Vitae

## Personal information

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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Name                       | <b>Associate Professor Ts. Dr. Rizauddin Saian</b>                                                                                              |  |
| Address                    | College of Computing, Informatics and Mathematics<br>Universiti Teknologi MARA (UiTM) Perlis Branch,<br>02600 Arau, Perlis,<br>Malaysia.        |                                                                                     |
| Telephone                  | +6049882770 (office) WhatsApp-http://wa.rizauddin.com                                                                                           |                                                                                     |
| Email                      | rizauddin@uitm.edu.my                                                                                                                           |                                                                                     |
| Nationality                | Malaysian                                                                                                                                       |                                                                                     |
| Gender                     | Male                                                                                                                                            |                                                                                     |
| Website                    | <a href="https://www.rizauddin.com/">https://www.rizauddin.com/</a>                                                                             |                                                                                     |
| Google Scholar             | <a href="https://scholar.google.com/citations?user=ithh22sAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=ithh22sAAAAJ&amp;hl=en</a> |                                                                                     |
| Scopus                     | <a href="https://www.scopus.com/authid/detail.url?authorId=36160769800">https://www.scopus.com/authid/detail.url?authorId=36160769800</a>       |                                                                                     |
| GitHub (Software)          | <a href="https://github.com/rizauddin">https://github.com/rizauddin</a>                                                                         |                                                                                     |
| Google Play (Android Apps) | <a href="https://play.google.com/store/apps/developer?id=Rizauddin+Saian">https://play.google.com/store/apps/developer?id=Rizauddin+Saian</a>   |                                                                                     |
| YouTube Channel            | <a href="https://www.youtube.com/channel/UCnpqtFxC-e48UVUC9AJWxsw">https://www.youtube.com/channel/UCnpqtFxC-e48UVUC9AJWxsw</a>                 |                                                                                     |

## Education

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|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2013 | Doctor of Philosophy, Universiti Utara Malaysia, Sintok, Kedah, Malaysia<br>Title: A Hybrid of Ant Colony Optimization Algorithm and Simulated Annealing for Classification Rules.<br>Supervisor: Prof. Dr. Ku Ruhana Bt Ku Mahamud |
| 2005 | Master of Science (Information Technology), Universiti Utara Malaysia, Sintok, Kedah, Malaysia<br>Title: Stemming Algorithm in Searching Malay Text.<br>Supervisor: Prof. Dr. Ku Ruhana Bt Ku Mahamud                               |
| 1998 | Bachelor of Science (Hons) (Mathematics), Universiti Malaya, Kuala Lumpur, Malaysia<br>Supervisor: Prof. Dato' Dr. Mohamed Ridza Wahiddin                                                                                           |

## Professional Qualification

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|------|------------------------------------------------------------|
| 2023 | Professional Technologist, Malaysia Board of Technologists |
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## Experiences

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|--------------|-------------------------------------------------------------|
| 2022–current | <b>Working</b><br>Associate Professor, UiTM Cawangan Perlis |
| 2009–2022    | Senior Lecturer, UiTM Cawangan Perlis                       |
| 1999–2009    | Lecturer, UiTM Cawangan Perlis                              |

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|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sep. 2021–Aug. 2023       | <b>Administrative</b><br>Head of Quality Unit, UiTM Cawangan Perlis                                                                                                                                                                                                           |
| Mar. 2017–Feb. 2020       | Head of Study Centre, Faculty of Computer & Mathematical Sciences, UiTM Cawangan Perlis                                                                                                                                                                                       |
| Feb. 2013–Dec. 2014       | Postgraduate Coordinator, UiTM Cawangan Perlis                                                                                                                                                                                                                                |
| 7 Apr. 2019–11 Apr. 2019  | <b>Visiting Fellowship Programme</b><br>Fakultas Teknik, Universitas Islam Riau, Indonesia.                                                                                                                                                                                   |
| <b>Courses Taught</b>     |                                                                                                                                                                                                                                                                               |
| Undergraduate             | MAT668 – Graph Theory<br>MAT491 – Calculus III<br>MAT421 – Calculus I<br>MAT422 – Mathematical Logic & Proving Techniques<br>MAT495/MAT295 – Partial Derivatives & Approximation Methods<br>MAT530 – Introduction to Mathematical Modelling<br>MAT535 – Nonlinear Programming |
| Diploma                   | MAT183 – Calculus I<br>MAT261 – Intermediate Algebra<br>MAT153 – Business Calculus<br>MAT141 – Engineering Maths<br>MAT105 – Fundamentals of Mathematics                                                                                                                      |
| <b>Research Interests</b> |                                                                                                                                                                                                                                                                               |
|                           | Data Mining<br>Machine Learning<br>Ant Colony Optimization                                                                                                                                                                                                                    |
| <b>Research Grants</b>    |                                                                                                                                                                                                                                                                               |
| Sep. 2021–Aug. 2023       | An Improved Ant Colony Optimization Feature Selection Algorithm for Modelling Bankruptcy of Malaysia Shariah-compliant Securities. FRGS/1/2021/STG06/UITM/02/8. Member.                                                                                                       |
| Jan. 2021–Jun. 2022       | Vehicle Routing Problem with Time Windows (VRPTW) Based Optimization Models for Sustainable e-Grocery Delivery using Homogeneous and Heterogeneous Fleet of Vehicles. 600-RMC/MITRANS_IRES 5/3(007/2020). Member.                                                             |
| Jan. 2019–Dec. 2021       | Hierarchical Clustering based on Ant Colony Optimization Algorithm for Halal Compliance. TRGS/1/2018/UUM/02/3/3. Member.                                                                                                                                                      |
| Jan. 2019–Sep. 2021       | A New Ant Based Decision Tree Algorithm for Imbalanced Medical Data. FRGS/1/2018/STG06/UITM/02/3. <b>Head</b> .                                                                                                                                                               |
| Dec. 2015–Nov. 2016       | Smartphone Assisted Legal Writing. 600-RMI/DANA 5/3/ARAS (45/2015). Member.                                                                                                                                                                                                   |
| Aug. 2012–Jul. 2016       | Decision Models for Flood Disaster Early Warning and Risk Reduction. Long Term Research Grant Scheme (LRGS). UUM S/O Code: 12490. Member.                                                                                                                                     |

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|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nov. 2013–Nov. 2015 | A Primary User Locality Strategy for Distributed Channel Strategy in Cognitive Radio Ad Hoc Networks. Fundamental Research Grant Scheme (FRGS). FRGS (600-RMI/FRGS 5/3 (157/2013)). Member. |
| Jul. 2013–Jun. 2014 | Ant Based Rule Induction Algorithm. (2013-2014). Dana Kecemerlangan Pendidikan UiTM (Perlis). 600-UiTMPs/PJIM&A/ST/DKCP (02/2012). <b>Head</b> .                                            |
| Apr. 2012–Apr. 2014 | Boundary Value Problems in Deformation of Beam. Fundamental Research Grant Scheme (FRGS). 600-RMI/FRGS 5/3 (9/2012). Member.                                                                |
| Apr. 2010–Mar. 2011 | A New Ant Based Rule Extraction Algorithm for Web Classification. Fundamental Research Grant Scheme (FRGS). UUM S/O Code: 11873. Member.                                                    |

## Honors, Awards, and Accomplishments

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|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2020 | Anugerah Perkhidmatan Cemerlang (Excellent Service Awards) UiTM 2020.<br><br>Anugerah Penerbitan Jurnal Berindeks. Majlis Anugerah Semarak Sanjung, UiTM Cawangan Perlis 2020. |
| 2019 | Anugerah Semarak Penyelidikan (Vibrant Research Award) UiTM Cawangan Perlis 2019.                                                                                              |
| 2013 | Anugerah Perkhidmatan Cemerlang (Excellent Service Awards) UiTM 2013.                                                                                                          |

## Editorial Duties

|                                                                   |                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Jan. 2023–Dec. 2025<br>Jan. 2020–Dec. 2022<br>Jan. 2017–Dec. 2019 | <b>Editorial Board</b><br>Journal of Information and Communication Technology (JICT). ISSN 1675-414X. Scopus Q1. <a href="http://jict.uum.edu.my/">http://jict.uum.edu.my/</a>                                                                                                                                                                                                       |
| 2021<br><br>2015                                                  | <b>Technical Program Committee</b><br>The 6th International Conference on Soft Computing in Data Science (SCDS 2021). <a href="https://aaec.uitm.edu.my/scds2021/">https://aaec.uitm.edu.my/scds2021/</a><br><br>The 1st International Conference on Soft Computing in Data Science (SCDS 2015). <a href="https://fskm.uitm.edu.my/scds2015/">https://fskm.uitm.edu.my/scds2015/</a> |
| 2021                                                              | <b>Reviewer</b><br>The 6th International Conference on Soft Computing in Data Science (SCDS 2021). <a href="https://aaec.uitm.edu.my/scds2021/">https://aaec.uitm.edu.my/scds2021/</a>                                                                                                                                                                                               |
| Jan. 2018–Dec. 2020                                               | Malaysian Journal of Computing (MJoC). <a href="https://mjoc.uitm.edu.my">https://mjoc.uitm.edu.my</a>                                                                                                                                                                                                                                                                               |

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|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2019 | The 5th International Conference on Soft Computing in Data Science (SCDS 2019). <a href="https://aaec.uitm.edu.my/scds2019/">https://aaec.uitm.edu.my/scds2019/</a>         |
| 2018 | The 4th International Conference on Soft Computing in Data Science (SCDS 2018). <a href="https://aaec.uitm.edu.my/scds2018/">https://aaec.uitm.edu.my/scds2018/</a>         |
| 2017 | The 6th International Conference on Computing and Informatics 2017 (ICOCI2017). <a href="http://www.icoci.cms.net.my/icoci2017/">http://www.icoci.cms.net.my/icoci2017/</a> |
|      | The 3rd International Conference on Soft Computing in Data Science (SCDS 2017). <a href="https://aaec.uitm.edu.my/scds2017/">https://aaec.uitm.edu.my/scds2017/</a>         |
| 2016 | The 2nd International Conference on Soft Computing in Data Science (SCDS 2016). <a href="https://fskm.uitm.edu.my/scds2016/">https://fskm.uitm.edu.my/scds2016/</a>         |
| 2015 | The 1st International Conference on Soft Computing in Data Science (SCDS 2015). <a href="https://fskm.uitm.edu.my/scds2015/">https://fskm.uitm.edu.my/scds2015/</a>         |

## Supervisions

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|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | <b>PhD Supervision</b>                                                                                                                                                                                            |
| 2019–     | Muhammad Hasbullah Mohd Razali. PhD (Statistics) CS953. A New Ant Based Decision Tree Algorithm for Imbalance Data. <b>Main Supervisor.</b> (In progress).                                                        |
| 2021–     | Ros Fadilah binti Deraman. PhD (Mathematics) CS952. Higher Order Finite Difference Method For Solving Goursat Problem. Co-Supervisor. (In progress).                                                              |
| 2023–     | Nurhuda binti Ismail. PhD (Mathematics) CDCS952. Variational Active Contour Models for Noisy Image. Co-Supervisor. (In progress).                                                                                 |
|           | <b>Masters Supervision</b>                                                                                                                                                                                        |
| 2023–     | Nur Laila binti Mohamad Noorisham. MSc (Mathematics) CDCS752. Graph Analytics of Relation Between Mathematical Domain and Concepts in the al-Quran. Co-Supervisor. (In progress)                                  |
| 2021–     | Annuur Zakiah binti Zainol. MSc (Mathematics) CS752. An Improved Ant Colony Optimization Algorithm for Predicting Bankruptcy in Malaysia. <b>Main Supervisor.</b> (In progress)                                   |
| 2021–     | Nurhazimah binti Basir. MSc (Transport and Logistics) (LT780). Multi-Objective Mixed Integer Programming Model of Vehicle Routing Problem for Sustainable Urban e-Grocery Delivery. Co-Supervisor. (In progress). |
| 2019–     | Nur Hadirah binti Khairul Anwar. MSc (Mathematics) CS752. Predicting Diabetes Using Ant Colony Optimization. <b>Main Supervisor.</b>                                                                              |
| 2016–2018 | Siti Nor Fathihah Azahari. Master of Science (Mathematics) CS752. Fuzzy Time Series Sliding Window Model for Rainfall Forecasting. <b>Main Supervisor.</b> Completed 6 February 2018.                             |

## Undergraduate International Research Interns

|      |                                                                                                                                                |
|------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 2019 | Angga Ibnu Kholid. Universitas Islam Riau. 16/7/2019–7/8/2019                                                                                  |
| 2018 | Josua Iwanda & Sigit Prihantoro. Universiti Islam Riau. Lecturer Room Inventory System. 1/8/2018–27/8/2018.                                    |
|      | Bima Augustian Wana Putra & Royan Permana Rivaldi. Universiti Islam Riau. Library Room Reservation System. 8/1/2018–30/1/2018.                 |
|      | <b>Undergraduate Research Interns</b>                                                                                                          |
| 2017 | Daniel Chan. Diploma Sains Komputer (CS110). Science Laboratory Inventory System. 2/5/2017–25/6/2017.                                          |
|      | <b>Undergraduate International Project Supervision</b>                                                                                         |
| 2020 | Shella Eldwina Fitri. Universiti Islam Riau. Macro and Micro Graph Search: Optimizing A* Search Algorithm in Big Data. Completed January 2021. |
|      | <b>Undergraduate Project Supervision</b>                                                                                                       |
| 2023 | Nur Insyirah binti Ahmad Zammami. E-commerce text classification using Ant Colony Optimization. (In progress).                                 |
| 2022 | Nur Aisyatul Husna Ahmad Yusri. Early Diabetes Risk Prediction using Ant Colony Optimization. Completed March 2023.                            |
|      | Azfaruddin Azri. Prediction of Stroke using Ant Colony Optimization. Completed March 2023.                                                     |
| 2021 | Nurul Hanis Syafiqah binti Mohd Ripin. Predicting Mortality Caused by Heart Failure using Ant Colony Optimization. Completed January 2022.     |
|      | Nurul Fathihah binti Mustapha. Prediction of Lung Cancer using Ant Colony Optimization. Completed August 2021.                                 |
| 2020 | Nur Ibtisyam binti Zafri. Predicting Autistic Spectrum Disorder for Toddler using Ant Colony Optimization. Completed January 2021.             |
|      | Siti Sarah Aqilah binti Che Ani. Predicting Breast Cancer using Ant Colony Optimization. Completed January 2021.                               |
| 2019 | Siti Aisyah binti Ismail. Predicting Heart Disease using Ant Colony Optimization. Completed June 2020.                                         |
|      | Nur Syafiqah binti Abdul Ghani. Predicting Bankruptcy using Ant Colony Optimization. Completed June 2020.                                      |
|      | Noor Shafiqah Fazlien. Predicting Attackers of Online Shaming using Ant Colony Optimization. Completed June 2019.                              |
| 2018 | Aliff Adham bin Adnan. Prediction of Health Supplement Consumption using Ant Colony Optimization. Completed Dec 2018.                          |
|      | Abdul Abbas Abdul Karim He. Predicting Area of Law Using Ant Colony Optimization. Completed May 2018.                                          |

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|------|-------------------------------------------------------------------------------------------------------------------------------------|
| 2017 | Umi Nasyrah binti Norizan. Predicting Timah Tasoh Reservoir Water Level Stages Using Ant Colony Optimization. Completed June 2017.  |
|      | Nor Amira Natasha Abd Rahman. Predicting Perlis Water Quality Using Ant Colony Optimization. Completed June 2017.                   |
|      | Nurnabilah Mohd Nasir. Predicting Water Quality Index of Pulau Pinang River Using Ant Colony Optimization. Completed Dec. 2017.     |
| 2016 | Syaidatul Nadia Sabri. Ant Colony Optimization for Forecasting Flood Based on Rainfall Distribution in Perlis. Completed June 2016. |
|      | Nurfaezah Mohamad Zahir. Ant Colony Optimization for Predicting Sg. Arau Water Level. Completed Dec. 2016.                          |
|      | Muhammad Arimi Syakir Ismail. Ant Colony Optimization for Predicting Water Crisis in Perlis. Completed June 2016.                   |
|      | Nur Wahida Baharuddin. Ant Colony Optimization for Forecasting Flood Based on River Water Level in Perlis. Completed June 2016.     |
| 2015 | Nurul Atiqah Dzulkifly. Ant Colony Optimization Algorithm for Predicting Dengue Fever Types. Completed June 2015.                   |
|      | Zarin Sofia Zahari. Ant Colony Optimization Algorithm for Predicting Inflation Types in Malaysia. Completed June 2015.              |
|      | Nor Astiqah Omar. Ant Colony Optimization for Prediction Software Piracy Tendency. Completed Dec. 2015.                             |
| 2014 | Nur'Aisyah Abdul Wahab. Factor Influencing Grape Production in Perlis: A Multiple Linear Regression Analysis. Completed Jun. 2014.  |
|      | Nor Dalila Razali. Financial Credit Scoring Prediction Using Ant Colony Optimization. Completed Dec. 2012.                          |

## Innovations

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|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2023 | Abu Bakar, S., Saian, R., Mohd Sidek, N. Z., Mohd Nanif, H., Nordin, N., Batcha, S. R., Sadikin, Z., & Al-Wadood, Z. (2023). Graph Theory Basics For Beginners. MOOC. The Virtual International e-Content Development Competition (eCondev) 2023. Bronze Award. 22 August – 24 August 2023. |
| 2022 | Teoh, Y. K., Abu Hasan, S., Saian, R., Khairudin, N. I., & Ahmad Bakhtiar, N. S. (2022). System of Inequalities. Micro-Credential. The Virtual International e-Content Development Competition (eCondev) 2022. Bronze Award. 22 August – 30 August 2022.                                    |
|      | Zainol, A. Z., Saian, R., Teoh, Y. K., & Abu Bakar, S. (2022). Bankruptcy Prediction of Shariah-Compliant Securities Companies. 11th Symposium of Innovation and Creativity (SIC 2022). Silver Award. 11 October 2022.                                                                      |

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|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2021 | Saian, R. & Mohd Zakuan, Z. Z. (2021). CaseFinder-A Smartphone App for Searching Legal Cases. 4th Digitalised International Invention, Innovation and Design, Johor 2021. 20 February 2021 – 23 September 2021 <a href="https://play.google.com/store/apps/details?id=com.rizauddin.casefinder">https://play.google.com/store/apps/details?id=com.rizauddin.casefinder</a> |
|      | Saian R. & Mohd Zakuan Z. Z. (2021). CaseFinder-A Smartphone App for Searching Legal Cases. The 10th Seminar on Innovation and Creativity (SIC 2021). Silver Medal. 12–17 July 2021 <a href="https://play.google.com/store/apps/details?id=com.rizauddin.casefinder">https://play.google.com/store/apps/details?id=com.rizauddin.casefinder</a>                            |
|      | Saian, R., Teoh, Y. K. & Abu Hasan, S. (2021). Covid-19 SIR Model with Vaccination. 4th International Malaysia-Indonesia-Thailand Symposium on Innovation and Creativity 2021 (iMIT SIC 2021). Bronze Medal. 24 August 2021 <a href="https://data-miners.github.io/projects/covid19/">https://data-miners.github.io/projects/covid19/</a>                                  |
|      | Saian, R., Teoh, Y. K. & Abu Hasan, S. (2021). Covid-19 SIR Model with Vaccination. The 10th Seminar on Innovation and Creativity (SIC 2021). Silver Medal / Top 3 Video Award. 12–17 July 2021 <a href="https://data-miners.github.io/projects/covid19/">https://data-miners.github.io/projects/covid19/</a>                                                              |
| 2018 | Saian, R. & Mohd Zakuan, Z. Z. (2018). Smartphone Assisted Legal Writer (SALeW). 1st Digitalised International Invention, Innovation & Design Competition Johor 2018. Gold Medal. 19 April 2018 – 1 July 2018 <a href="https://play.google.com/store/apps/details?id=com.rizauddin.salew">https://play.google.com/store/apps/details?id=com.rizauddin.salew</a>            |
| 2017 | Saian R., Abdul Halim N., Darus N. A., Mohd Zakuan Z. Z. & Mat Hadzir N. (2017). Research Objectives Aid (ROA). Invention, Innovation & Design Exposition (iidex2017). Bronze Medal. 25–29 August 2017 <a href="https://play.google.com/store/apps/details?id=com.rizauddin.roa">https://play.google.com/store/apps/details?id=com.rizauddin.roa</a>                       |
|      | Saian, R. & Mohd Zakuan, Z. Z. (2017). Smartphone Assisted Legal Writer (SALeW). The International Conference and Competition on Teaching and Learning (i-TeLearN2017). Silver Medal. 16 August 2017 <a href="https://play.google.com/store/apps/details?id=com.rizauddin.salew">https://play.google.com/store/apps/details?id=com.rizauddin.salew</a>                     |
| 2016 | Saian, R., Mohd Zakuan, Z. Z., Darus, N. A. & Abdul Halim, N. (20–23 September 2016). Smartphone Assisted Legal Writer (SALeW). Invention, Innovation & Design Exposition (iidex2016). Bronze Medal. <a href="https://play.google.com/store/apps/details?id=com.rizauddin.salew">https://play.google.com/store/apps/details?id=com.rizauddin.salew</a>                     |
| 2015 | Saian, R. & Mohd Zakuan, Z. Z., Darus, N. A., Abdul Halim, N., Mat Hadzir, N. (27–30 April 2015). Anti-Plagiarism Graph Generator (APGG). Invention, Innovation & Design Exposition (iidex2015). Gold Medal. <a href="https://github.com/rizauddin/apgg">https://github.com/rizauddin/apgg</a>                                                                             |
| 2012 | Saian, R. & Mohd Zakuan, Z. Z. (7 April 2012). Malay Legal Text Indexer (Malay-LETI). <i>Invention, Innovation &amp; Design 2012</i> , Universiti Teknologi MARA (Perlis). Bronze Medal.                                                                                                                                                                                   |

## Copyright

2023 Statistical Distance Evaluation Calculator. 7/2/2023.  
ref:CRLY2022W04865.

2021 Halal Manufacturing Validator. 14/3/2021. ref:LY2021P02469.

Halal Source Validator. 14/3/2021. ref:RLY2021P02470.

## Android Apps Developments

Google Play [https://play.google.com/store/apps/developer?id=Rizauddin+Saian&hl=en\\_US](https://play.google.com/store/apps/developer?id=Rizauddin+Saian&hl=en_US)

2021 CaseFinder. A helpful tool for students to find legal cases in for Malaysia anywhere and at any time. <https://play.google.com/store/apps/details?id=com.rizauddin.casefinder>

2018 SAlEW-Legal Writing. An app that guide the students throughout the process of answering law questions. <https://play.google.com/store/apps/details?id=com.rizauddin.salew>

2017 Research Objectives Aid. An app that provide students with a practicing tool in formulating correct keywords for their research objectives in their research paper. <https://play.google.com/store/apps/details?id=com.rizauddin.roa>

2016 Ukur Tanah. A simple Malaysia land length and area units converter. <https://play.google.com/store/apps/details?id=com.rizauddin.ukurtanah>

Zakat Calculator. A simple app to calculate Zakat. <https://play.google.com/store/apps/details?id=com.rizauddin.zakatcalc>

Car Loan Calculator. A simple app to calculate monthly payments for car loan. <https://play.google.com/store/apps/details?id=com.rizauddin.carloancalc>

Home Loan Calculator. A simple app to calculate monthly payments for home loan. <https://play.google.com/store/apps/details?id=com.rizauddin.homeloancalc>

Discount Calculator. A simple app to calculate discounted price. <https://play.google.com/store/apps/details?id=com.rizauddin.disccalc>



## **L<sup>A</sup>T<sub>E</sub>X Template**

2021

uitmthesis - uitmthesis is a LaTeX class for writing thesis, dissertation or final year project report. This class was developed based on the "Guidelines on Thesis/Dissertation Format" handbook by IPSis Universiti Teknologi MARA (UiTM).

Overleaf: <http://bit.ly/uitmthesis-overleaf>

Github (Source Code): <https://github.com/rizauddin/uitmthesis>

## **Python**

2016

APGG - Anti-Plagiarism Graph Generator

The "Anti-Plagiarism Graph Generator" program is developed to prevent plagiarism in Graph Theory course programming assignments.

Github (Source Code): <https://github.com/rizauddin/apgg>

## **Invited Talks**

2022

Analitik Data Raya Dalam Pengauditan (Siri 1). Organized by Jabatan Audit Negara. 2 April 2022. Zoom.

2021

Gegar RIG-Semarak Penyelidikan: Proposal. Organized by FSKM, UiTM Perlis. 2 August 2021. Google Meet.

LaTeX Workshop: Writing Thesis in LaTeX for UiTM Students. Organized by FSKM, UiTM Perlis. 22 March 2021. Google Meet.

Optimizing FYP Into Journal Publications. Organized by FSKM, UiTM Perlis. 10, 23, 24 March 2021. Google Meet.

Bengkel Penilaian Peperiksaan Akhir Secara Atas Talian. Organized by FSKM, UiTM Perlis. 1 January 2021. Bilik IT, Perpustakaan Dato' Jaafar Hassan, UiTM Perlis.

2020

Calculus 1 is Easy. Organized by FSKM, UiTM Perlis. 20 June 2020. YouTube Live Streaming. <https://youtu.be/a0zQqGvqWHA>

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|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2019 | Scientific Programming Using Excel VBA for Beginners. Organized by Persatuan Manatics, UiTM Perlis. LT1, UiTM Perlis.                                                                                                     |
|      | Introduction to Google Forms. Organized by UiTM Perlis. 19 July 2019.                                                                                                                                                     |
|      | Video Pitching Workshop. Organized by FSKM, UiTM Perlis. 3 May 2019.                                                                                                                                                      |
|      | Python Workshop. Organized by Manatics, UiTM Perlis. 19 April 2019.                                                                                                                                                       |
|      | Mendeley Workshop. Organized by Prodi Teknik Informatika, Universitas Islam Riau. 10 April 2019.                                                                                                                          |
|      | LaTeX Workshop for Students. Organized by Prodi Prodi Teknik Informatika, Universitas Islam Riau. 10 April 2019.                                                                                                          |
|      | Python Programming. Organized by Prodi Teknik Informatika, Universitas Islam Riau. 10 April 2019                                                                                                                          |
|      | Talk: Data mining – Concept and its Applications. Organized by Prodi Teknik Informatika, Universitas Islam Riau. 9 April 2019.                                                                                            |
|      | LaTeX Workshop for Lecturers. Organized by Prodi Teknik Informatika, Universitas Islam Riau. 9 April 2019.                                                                                                                |
|      | Talk: Data Classification with Ant Colony Optimization. Organized by Prodi Teknik Informatika, Universitas Islam Riau. 8 April 2019.                                                                                      |
| 2018 | Video Animation Workshop. Organized by Prodi Teknik Informatika, Universitas Islam Riau. 8 April 2019.                                                                                                                    |
|      | Video Animation for Beginners. Organized by FSKM, UiTM Perlis. 26 October 2018.                                                                                                                                           |
| 2017 | Simple LaTeX Tutorial. Organized by FSKM, UiTM Perlis. 20 July 2018. <a href="https://github.com/rizauddin/simple-latex-tutorial">https://github.com/rizauddin/simple-latex-tutorial</a>                                  |
|      | Introduction to Python Programming for Calculus. Organized by FSKM, UiTM Seremban 3. 19 October 2017. <a href="https://github.com/rizauddin/Lab-Assignment-MAT421">https://github.com/rizauddin/Lab-Assignment-MAT421</a> |
|      | Screencast-o-matic (in "Taklimat Pembangunan MOOCs Storyboard"). Organized by UiTM Cawangan Perlis. 22 May 2017.                                                                                                          |
|      | Zotero Reference Manager (in "Bengkel Jom tulis Artikel"). Organized by Jabatan Sains Matematik & Statistik, UiTM Cawangan Perlis. 21 April 2017.                                                                         |

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| 2015 | Hybrid Smartphone App Development: An Introduction. Lab 1, UiTM Cawangan Perlis. Organized by Jabatan Sains Matematik & Statistik, UiTM Cawangan Perlis. 22 January 2016.                                                              |
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