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| **C:\Users\azizi.bkr\OneDrive - Universiti Malaya\Documents\MISC\Logo UM-06.png****UNIVERSITI MALAYA CENTRE OF RESEARCH GRANT 2025**[Incomplete Form will be rejected]Note: Please ensure that this document is uploaded online via [Ms Forms UM 365](https://forms.office.com/Pages/ResponsePage.aspx?id=qbE7psJIi0SGkzMXsAyn-3RuFnQa8atKhtRPyS7ymCBUNlJMRE1RVFVBTUFGTUVZNlgxMzBaQkFUVS4u)**Only one (1) application per CoR** |
| **CENTRE OF RESEARCH (CoR)** |  Name of CoR: |
|  Location: |
| Approval date for establishment of CoR: Note: Please provide CoR official establishment document and enclose in the Appendix. |
| **PRINCIPAL INVESTIGATOR (PI)**  |   |
| **PROJECT TITLE**  |   |
| **NEXT APPOINTED LEADER** |   |
| **NICHE AREA** |
| Brief write-up of CoR niche area in 100 words. |
| **UNIVERSITI MALAYA TEN (10) THRUST AREAS [PLEASE SELECT ONE (1)]**  |
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| 1. | Nuclear energy and new energy transition | ( ) | 6. | Space science and new engineering spectrum | ( ) |
| 2. | Food sustainability and security | ( ) | 7. | Defence and security assets and inventory innovation and creation | ( ) |
| 3. | Semiconductor and chips | ( ) | 8. | Rare earths and critical minerals | ( ) |
| 4. | Nanotechnology and quantum exploration | ( ) | 9. | Comprehensive medical and health spectrum excellence | ( ) |
| 5. | Artificial Intelligence and digital robotic realms | ( ) | 10. | Social Science Advancement in Economic, Smart Finance, Societal, International Norms and Law, and Geopolitical Spectrum for the Nation and the World | ( ) |

Each proposed research project must be based on the respective niche area of the CoR, which also supports the ten (10) strategic thrust areas of Universiti Malaya. Briefly write up on how your research is related and how it contributes to the thrust area selected in 150 words. |
| **A**  | **TITLE OF PROPOSED RESEARCH** |
| **A (i)**  | **Title of Proposed Research Project:**  |
| **A (ii)** | **Status of the proposed research project:**

|  |  |  |
| --- | --- | --- |
| **Status** | **Please tick (√)** | **Details** |
| 1. New research that has never been funded.
 |  | **-** |
| 1. Project which is currently receiving funding from other internal or external grant.
 |  | Name of the grant:Grant No.:Title:Amount:Duration: |
| 1. Continuation/expansion of the past research project.
 |  | Name of the grant:Grant No.:Title:Amount:Duration: |

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| **B** | **DETAILS OF PRINCIPAL INVESTIGATOR (PI)** |
| **B (i)**  |

|  |  |  |
| --- | --- | --- |
| **Name of PI** | **:** |  |
| **MyKad/Passport Number** | **:** |  |
| **PTj/Faculty/Department/****Centre/Unit** **(Please provide full address)** | **:** |  |
| **Email Address** | **:** |  |
| **Office Telephone No.** | **:** |  |
| **Handphone No.** | **:** |  |

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| **B (ii)**    | **Position (Please tick** *(√)***):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Associate Professor |  | Senior Lecturer  |  | Lecturer  |

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| **B (iii)** | **Type of Service (Please tick** *(√)***):**

|  |  |  |
| --- | --- | --- |
|  |  **Permanent** Date of Appointment:  |  End Date:  |
|  |  |  |
|  |  **Contract** Contract Expiry Date:        |  |

Note:1. For permanent staff, a minimum duration of three (3) years before the date of retirement is required.
2. For contractual academic staff, a remaining minimum appointment period of two (2) years is required. Please provide a supporting document e.g. offer letter/letter of assurance from *PTj* and enclose in the Appendix.
 |
| **C** | **DETAILS OF NEXT APPOINTED LEADER** |
| **C (i)**  |

|  |  |  |
| --- | --- | --- |
| **Name of Next Appointed Leader** | **:** |  |
| **MyKad/Passport Number** | **:** |  |
| **PTj/Faculty/Department/****Centre/Unit****(Please provide full address)** | **:** |  |
| **Email Address** | **:** |  |
| **Office Telephone No.** | **:** |  |
| **Handphone No.** | **:** |  |

 |
| **C (ii)**    | **Position (Please tick** *(√)***):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Associate Professor |  | Senior Lecturer  |  | Lecturer  |

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| **C (iii)** | **Type of Service (Please tick** *(√)***):**

|  |  |  |
| --- | --- | --- |
|   |  **Permanent** Date of Appointment:  |  End Date:  |
|  |  |  |
|   |  **Contract** Contract Expiry Date:        |  |

Note:1. For permanent staff, a minimum duration of three (3) years before the date of retirement is required.
2. For contractual academic staff, a remaining minimum appointment period of two (2) years is required. Please provide a supporting document e.g. offer letter/letter of assurance from *PTj* and enclose in the Appendix.
 |
| **D**  | **RESEARCH INFORMATION** |
| **D (i)**  | **Name & Location of Research Institute/Centre/Laboratory/Group:**  |
| **D (ii)**   | **Duration of Research Project (24 months or 36 months):**  **Duration: \_\_\_\_\_\_\_\_\_\_\_ months**

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| --- | --- | --- | --- | --- | --- | --- |
| **From:**  |   |  |   | **To:**  |   |   |
|   | Month  | Year  |   |   | Month  | Year  |

    \*Estimated start date: March 2025 |

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| **D (iii)**  | **DETAILS OF CO-RESEARCHERS** 1. **UM Research Team Track Record.** This team comprise academic staff (core member) including Next Appointed Leader. Staff (Research/Science Officer) of the CoR is allowed to involve in the project.

Note: For an academic staff, please provide a letter of appointment as a core member of CoR and enclose in the Appendix.

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| **No.** | **Name** | **Centre** | **H-Index** | **Citations** | **No. of Publications\*\*** | **Role/Contribution (Please specify)** |
| 1. |   |   |   |   |   |   |
| 2. |   |   |   |   |   |   |
| 3. |   |   |   |   |   |   |
| 4. |  |  |  |  |  |  |

 1. **External Collaborator (MUST be relevant to the proposed research).**

Note: Please provide Letter of Intent (LoI/MoU) and enclose in the Appendix.

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Institution/Industry/Government Agency/ Non-governmental Organization** | **Name of Researcher/Person in Charge (if any)** | **Role/Contribution (Please specify)** |
| 1. |   |   |   |
| 2. |   |   |   |
| 3. |  |  |  |

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| **D (iv)**  | **RESEARCH OUTPUT**The affiliation of the Centre Research (CoR) must be clearly stated in every output generated through this project. All outputs are compulsory to be fulfilled within the project period. The project outputs are the shared responsibility of all researchers listed in the submitted proposal.Every research project must produce the following research output:1. **Publication**

Please tick for each phase.

|  |  |  |
| --- | --- | --- |
| **Phase** | **Details** | **Please tick (√)** |
| **One (1)** | 1. Sciences
 | Two (2) Q1/Q2 Web of Science-indexed publications |  |
| 1. Social Sciences, Arts and Humanities
 | Two (2) Q1/Q2 Scopus-indexed publications |  |
| **Two (2)** | 1. Sciences
 | Two (2) Q1/Q2 Web of Science-indexed publications |  |
| 1. Social Sciences, Arts and Humanities
 | Two (2) Q1/Q2 Scopus-indexed publications |  |

Note: Produce at least two (2) joint publications with international/industry collaborator(s). Phase 2 funding will not be disbursed until the end of the project if the promised outputs in Phase 1 are not achieved.1. **Human Capital Development**

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| --- | --- | --- | --- | --- | --- |
| 1. One (1) postgraduate student.
 | **Please tick (√)**

|  |  |
| --- | --- |
| PhD |  |
| Master |  |

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Note: Postgraduate student produced not necessary to be appointed as RA/GRA for this project.If the application is successful, please provide an offer letter as a postgraduate student who is working on this project and enclose it together with the progress report.1. **Others**

There are three (3) categories of other outputs to be fulfilled:

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| 1. Produce at least one (1) **Memorandum of Agreement (MoA) / LoA / Research Agreement.**
 | **Please specify the number**

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| --- |
| **Output (number)** |
|  |

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| 1. Produce at least one (1) **other output.**
 | **Please select at least one (1) & specify the number** |
|

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| **Example of Other Output** | **Output (number)** |
| 1. Product
 |  |
| 1. Policy
 |  |
| 1. Module
 |  |
| 1. Book
 |  |
| 1. Chapter in book(s)
 |  |
| 1. Intellectual Property (IP)
 |  |
| 1. Others:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Please specify)
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| 1. To conduct at least one (1) **activity (physical/online) for knowledge sharing.**
 | **Please specify the number**

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| **Output (number)** |
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| **E**  | **RESEARCH DETAILS**  |
| **E (i)**      | **Detailed Proposal of Research Project:** 1. **Executive Summary (maximum 300 words)**(Please state in the form).
 |
| 1. **Lay Abstract** (Please state in the form).

(Reminder: A lay abstract or lay summary is a summary of complex research in plain, everyday language. It is important to prepare a lay abstract to tell the story of your research in simple, non-technical language. The lay abstract should be distinct from the scientific one and no more than 150 words). |
| 1. **Graphical Abstract (maximum 1 page-A4)** (Please enclose in the Appendix).
 |
| 1. **Research background including Introduction /Hypothesis /Research Questions and Literature Reviews** (Please state in the form).
 |
| 1. **SMART Objective (s) of the Research***\*\**

|  |  |
| --- | --- |
| **SMART**  | i.e., **S**pecific, **M**easurable, **A**chievable, **R**ealistic and **T**imely  |
| **SPECIFIC:**  | outline in a clear statement precisely what is required.  |
| **MEASURABLE**:  | include a measure to enable you to monitor progress and to know when the objective has been achieved.  |
| **ACHIEVABLE**:  | objectives can be designed to be challenging, but it is important that failure is not built into objectives. Employees and managers should agree to the objectives to ensure commitment to them.  |
| **REALISTIC:**  | focus on outcomes rather than the means of achieving them  |
| **TIMELY**: (or time-bound) | agree with the date by which the outcome must be achieved.  |

Please state in the form. |
| 1. **Methodology**:
2. Description of Methodology (Please state in the form).
3. Research Flow Chart (Please enclose in the Appendix).
4. Research Gantt Chart and Milestone (Please enclose in the Appendix).
 |
|   | 1. **Impact Statement on Quintuple Helix** (Please state in the form).

(Please delineate/describe expected research deliverables on Society, Academia, Government, Industry and Environment. Maximum 200 words) |
| **E (ii)**  | **Risk Assessment**Applicants are required to identify research risks and submit a risk assessment plan for research project.

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| **Description of risk (Low/Medium/High)**  | **Proposed risk-mitigation measures**  |
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| **F** | **SUMMARY OF OVERALL BUDGET** |
|       | **Please indicate your estimated budget for this research and specific details/breakdown/justification of expenditure according to the guideline.**Note: 1. Phase 2 funding will be disbursed only after two (2) publications in Phase 1 have been achieved.
2. Maximum period to achieve Phase 1 output targets:
	1. Maximum 18 months for a 24-month project.
	2. Maximum 24 months for a 36-month project.

**The grant ceiling is RM 100,000.00**1. Phase 1: RM 50,000.00
2. Phase 2: RM 50,000.00

 Note: Each phase must not exceed RM50,000.00 |
| **Budget details****(Please provide specific details/breakdown/justification)** | **Amount requested (RM)** |
| **Phase 1 (RM)****(Please specify for each vote)** | **Phase 2 (RM)****(Please specify for each vote)** | **Total (RM)** |
| **Vote 11000 –****Salary and wages**(e.g. salary per month) | Details/justification: | Details/justification: |  |
| Total (RM): | Total (RM): |
| **Vote 21000 –****Traveling and Transportation (Fieldwork only)**(e.g. details of fieldwork activities (location, transportation use, number of days, number of people involved, etc.). |  Details/justification: | Details/justification: |  |
| Total (RM): | Total (RM): |
| **Vote 24000 –****Rental**(e.g. research space, equipment, transportation and other items directly involved in the research. Vehicle rental must be with a licensed transport company) |  Details/justification: | Details/justification: |  |
| Total (RM): | Total (RM): |
| **Vote 27000 –****Research Materials & Supplies**(**Allowed**: Only research-related expenses;**Not allowed**: Purchases of stationery supplies, electronic devices and other ICT equipment, e.g. laptop / desktop / printer / external hard disk / etc.,) |  Details/justification: | Details/justification: |  |
|  Total (RM): | Total (RM): |
| **Vote 28000 –Maintenance and Minor Repair Services**(Only for minor repairs and renovation of buildings, laboratories, equipment or any other research-related items, maintenance cost of existing equipment during the project is allowed. Once the project has been completed, this cost will not be covered by the grant). |  Details/justification: | Details/justification: |  |
| Total (RM): | Total (RM): |
| **Vote 29000 –****Professional Services**(**Allowed**: Up to a maximum of total RM20,000.00 (RM10,000 each phase) per project for the page charge & researchers are encouraged to apply for the JPP Page Charge Fund ([UM Research Website](https://umresearch.um.edu.my/research-supports-and-facilities/research-policies/), any research-related services e.g. honorarium printing service, conference fee, specific apps/software essential/directly related to the project, hospitality, data processing, etc.**Not allowed:** e.g. proofreading service. |  Details/justification: | Details/justification: |  |
| Total (RM): | Total (RM): |
| **TOTAL AMOUNT (RM)** |  |  | **GRAND TOTAL (RM):** |

Note: Please refer to the UMCoRG 2025 Guidelines on the specific type of expenses permitted/not permitted under this grant.

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| **G** | **DECLARATION BY PRINCIPAL INVESTIGATOR** **(Please tick *(√)*):**  |
|       | **I hereby declare that:**  |
|  | 1. **Application of this research is presented for the UM Centre of Research Grant (UMCoRG) 2025.**
 |
|  | 1. **This proposal is NOT being submitted for the other research grant(s).**
 |
|  | 1. **I do not have any internal nor external active grant.**
 |
|  | 1. **Have read, understood, and will implement all requirements stipulated in the UM Safety & Research Handbook and Code of Research Ethics. Failure to do so will result in disqualification of my application.**
 |
|  | 1. **Acknowledge UMCoRG for all outputs produced using this grant.**
 |
|  |  | 1. **I have achieved all the promised output for other internal grants offered by the Research Cluster Office (if relevant).**
 |
|  |  | 1. **All information stated here is accurate, UM has the right to reject or to cancel the offer without prior notice if there is any inaccurate information given.**
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| **Principal Investigator’s Name & Signature:**(Electronic signature is allowed) |  |
| **Date:** |

Signature of all team members: |
| **Name** | **Signature** |
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**Note: THE APPLICATIONS SUBMITTED WILL BE TREATED IN FULL CONFIDENCE. THE DECISION OF THE UM COMMITTEE PANEL IS FINAL.**