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| **UNIVERSITI MALAYA IMPACT-ORIENTED INTERDISCIPLINARY**  **RESEARCH GRANT PROGRAMME (IIRG)**  **CYCLE 4/2021**    **PROGRAMME SUMMARY : PART A**  *[Incomplete Form will be rejected]* | | | |
| **PROGRAMME LEADER** |  | | |
| **PROGRAMME TITLE** |  | |  |
| **SUB-PROGRAMME TITLE & LEADERS** | **SUB-PROGRAMME TITLE** | | **SUB-PROGRAMME LEADER** |
| **1.** |  |  |
| **2.** |  |  |
| **3.** |  |  |

1. **Research Programme** [Please tick (√)only **ONE (1)** Niche **OR** Thrust area]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **RESEARCH CLUSTER** | **NICHE AREAS** | | **THRUST AREAS** | |
| **Frontiers of the Natural World** | **Nature-Inspired Technology (Driving Drug Discovery)** | **( )** | **Curiosity-Driven Fundamental Research** | **( )** |
|  |  |  |  |  |
| **Health & Well Being** | **Active Aging** | **( )** | **Innovative Health** | **( )** |
| **Cancer** | **( )** | **Lifestyle Diseases** | **( )** |
|  |  | **Mental Well-Being** | **( )** |
|  |  |  |  |  |
| **Innovative Industry & Sustainability Science** | **Energy** | **( )** | **IR4.0** | **( )** |
| **Materials** | **( )** | **Water & Environment** | **( )** |
|  |  | **Sustainable Living** | **( )** |
|  |  |  |  |  |
| **Social Advancement & Happiness** | **Behavioural Studies** | **( )** | **Education for the Future** | **( )** |
| **Cultural, Heritage and Civilization** | **( )** | **Smart Society** | **( )** |

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| **B. EXECUTIVE SUMMARY** (max. 300 words: Should include, but not limited to background of research, objectives, problem statement (needs, approach, benefits, competition) and brief methodology) |
|  |
| **C. LINKAGES BETWEEN SUB-PROGRAMME** (max. 300 words) |
|  |

1. **QUALITY OF RESEARCHERS**
2. Research Team Track Record

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No. | Name | Faculty | H-Index | Citations | No. of Publications\*\* | Role/ Contribution |
| 1. |  |  |  |  |  |  |
| 2. |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |

\*\* For the past 5 years and **MUST** be relevant to the proposed programme

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Institution | Name of Researcher | Role/ Contribution |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |

1. International Collaborations/External Collaborator and Stakeholders **(MUST be relevant to the proposed programme)**
2. **TARGETED RESEARCH OUTPUT (Please select at least 1 (ONE) from each category)**
3. **ACADEMIC OUTPUT**

|  |  |  |
| --- | --- | --- |
| No. | Details | Output |
| 1. | ISI |  |
| 2. | IPR/Copyright |  |
| 3. | Human Capital Developments |  |
| 4. | Book (s)/Chapters in book (s) |  |
| 5. | Scopus / Peer reviewed journal articles  (for non-science only & journal category A & B) |  |
| 6. | Policy |  |

1. **NON-ACADEMIC OUTPUT**

|  |  |  |
| --- | --- | --- |
| No. | Details | Output |
| 1. | Commercialization |  |
| 2. | Media Articles |  |
| 3. | Website |  |
| 4. | Software/Applications |  |
| 5. | Societal Engagement |  |
| 6. | Others: Please specify |  |

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| **You can use these columns to help write your ‘IMPACT SUMMARY’** | | This may be helpful for  structuring your **‘Impact Summary’** and **‘Pathways to Impact’** sections | **You can use these columns to help write your ‘PATHWAYS TO IMPACT’** | | | | |
| **Who** will your research benefit?  (non-academic beneficiaries) | **What** will be the benefits to them from your research? | **How** would you categorise this benefit/beneficiary?  (E.g. public, industry, Policy?) | **How** are you going to share your research with them?  (I.e. what is the specific activity?) | **When** are these activities going to take place?  (Be as specific as possible) | **Who** from your research project is going to arrange and deliver this activity? | What **resources/ training** will you need for this activity? (Include in costs & justification of resources) | **How will you know** these activities have been successful? |
|  |  |  |  |  |  |  |  |

1. **RESEARCH IMPACT i**

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| **UNIVERSITI MALAYA IMPACT-ORIENTED INTERDISCIPLINARY**  **RESEARCH GRANT PROGRAMME (IIRG) CYCLE 4/2021**  **PART B**  *[Incomplete Form will be rejected]* | | | | | |
| **A** | **TITLE OF PROPOSED RESEARCH /** *TAJUK PENYELIDIKAN* | | | | |
| **A(i)** | **Title of Proposed Research Programme:**  *Tajuk Program Penyelidikan yang dicadangkan:* | | | | |
| **B** | **DETAILS OF PROGRAMME LEADER** / *MAKLUMAT KETUA PROGRAM* | | | | |
| **B(i)** | **Name of Programme Leader: IC / Passport Number:**  *Nama Ketua Program:* *No. Kad Pengenalan/ Pasport:* | | | | |
| **B(ii)** | **Position (Please tick** *( √ )***):**  *Jawatan (Sila tanda ( √ )*)*:*    **Professor** **Assoc. Prof. Senior Lecturer**  **Lecturer**  *Profesor*  *Prof. Madya Pensyarah Kanan*  *Pensyarah* | | | | |
| **B(iii)** | **Faculty /Department/Centre/Unit (Please provide full address):**  *Fakulti /Jabatan /Pusat/Unit (Sila nyatakan alamat penuh):* | | | | |
| **B(iv)** | **Office Telephone No.:** **Handphone No.:**  *No. Telefon Pejabat: No. Telefon Bimbit:* | | | | |
| **B(v)** | **E-mail Address:**  *Alamat e-mel:* | | | | |
| **B(vi)** | **Date of First Appointment with this University:**  *Tarikh mula berkhidmat dengan Universiti ini****:*** | | | | |
| **B(vii)** | **Type of Service (Please tick** *( √ )***):**  *Jenis Perkhidmatan (Sila tanda ( √ )):*  **Permanent Contract (State contract expiry date):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  *Tetap Kontrak (Nyatakan tarikh tamat kontrak)*: | | | | |
| **B(viii)** | **Latest CV & Researchers’ Profile (maximum 1 page each- Please use attached template for the profile and enclose in the Appendix)**  *CV Terkini & Profile Penyelidik**(maksimum 1 muka surat bagi setiap dokumen - Sila gunakan template yang telah disediakan bagi profil penyelidik dan lampirkan di bahagian Apendiks)* | | | | |
| **C** | **RESEARCH INFORMATION /** *MAKLUMAT PENYELIDIKAN* | | | | |
| **C(i)** | **Name of Research Institute/Centre/Laboratory/Group:**  *Nama Institut/Pusat/Makmal/Kumpulan Penyelidikan :* | | | | |
| **C(ii)** | **Location of Research Institute/Centre/Laboratory/Group:**  *Lokasi Institut/Pusat/Makmal/Kumpulan Penyelidikan:* | | | | |
| **C(iii)** | **Duration of Research Programme (maximum 24 months):**  *Tempoh masa program penyelidikan (Maksimum 24 bulan):*  **Tempoh: \_\_\_\_\_\_\_\_\_\_\_ / \_\_\_\_\_\_\_\_\_ (month / year)**  *Duration:*   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | ***From:*** |  |  |  | ***To:*** |  |  | | *Dari:* | **Bulan**/*Month* | **Tahun**/*Year* |  | *Hingga:* | **Bulan**/*Month* | **Tahun**/*Year* | | | | | |
| **D** | ***RESEARCH DETAILS /*** BUTIRAN PENYELIDIKAN | | | | |
| **D(i)** | **Detailed Proposal of Research Programme (including sub-programme):**  *Maklumat cadangan program penyelidikan (beserta sub-program) secara terperinci:*   1. **Abstract (maximum 150 words)** *Abstrak (maksimum 150 patah perkataan)* 2. **Graphical Abstract (maximum 1 page-A4)(Please use attached template and enclose in the Appendix)** *Abstrak grafik (maksimum 1 muka surat-A4)(Sila gunakan template dan lampirkan di bahagian Apendiks)* 3. **Research background including Introduction /Hypothesis /Research Questions and Literature Reviews**. *Keterangan latar belakang penyelidikan termasuk Pengenalan/kenyataan hipotesis / persoalan penyelidikan dan kajian literatur*. 4. **SMART Objective (s) of the Research*/ SMART*** *Objektif Penyelidikan\*\**   **SMART** i.e. specific, measurable, achievable, realistic and timely  **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 the date by which the outcome must be achieved.   1. **Flow Chart of Research Programme (Please enclose in the Appendix*)/*** *Carta Alir Program Penyelidikan (Sila lampirkan di bahagian Apendiks)* 2. **Gantt Chart of Research Programme (Please enclose in the Appendix)/***Carta Gantt Program Penyelidikan (Sila lampirkan di bahagian Apendiks)* | | | | |
| **E** | **SUMMARY OF OVERALL BUDGET***/RINGKASAN BELANJAWAN SECARA KESELURUHAN* | | | | |
|  | **Please indicate your estimated budget for this research and details of expenditure**  *Sila nyatakan anggaran bajet bagi cadangan penyelidikan ini dan berikan butir-butir perbelanjaan dengan lengkap* | | | | |
| **Budget details**  *Butiran belanjawan* | **Amount requested**  *Jumlah yang dipohon* | | | |
| **Sub-Programme 1**  *Sub-Program 1*  (RM) | **Sub-Programme 2**  *Sub-Program 2*  (RM) | **Sub-Programme 3**  *Sub-Program 3*  (RM) | **Total**  *Jumlah*  (RM) |
| **E(i)** | **Vote 11000 -**  **Salary and wages**  *Upah dan Elaun* |  |  |  |  |
| **E(ii)** | **Vote 21000 -**  **Travelling and Transportation**  *Perjalanan dan Pengangkutan* |  |  |  |  |
| **E(iii)** | **Vote 24000 -**  **Rental**  *Sewaan* |  |  |  |  |
| **E(iv)** | **Vote 27000 -**  **Research Materials & Supplies**  *Bekalan dan Bahan Penyelidikan* |  |  |  |  |
| **E(v)** | **Vote 28000 -**  **Maintenance and Minor Repair Services**  *Baik pulih kecil dan ubahsuai* |  |  |  |  |
| **E(vi)** | **Vote 29000 -**  **Professional Services**  *Perkhidmatan Ikhtisas* |  |  |  |  |
| **TOTAL AMOUNT (RM)**  *JUMLAH BESAR (RM)* | |  |  |  |  |
| **F** | **Declaration by Programme Leader /** *Akuan Ketua Program*  **(Please tick *( √ )*):****/** *(Sila tanda ( √ )):* | | | | |
|  | **I hereby declare that:**  *Saya dengan ini mengaku bahawa:*   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.**   *Semua maklumat yang diisi adalah benar, UM berhak menolak permohonan atau membatalkan tawaran pada bila-bila masa sekiranya keterangan yang dikemukakan adalah tidak benar.*     1. **Application of this research is presented for the UM Interdisciplinary Research Programme.**   *Permohonan**projek penyelidikan ini dikemukakan untuk memohon peruntukan di bawah Program Penyelidikan Interdisiplinari UM.*   1. **Application of this research is also presented for the other research grant/s**   **(grant’s name and total amount)**  *Permohonan**projek penyelidikan ini juga dikemukakan untuk memohon peruntukan geran penyelidikan dari (nama geran dan jumlah dana)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*   1. **I 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.**   *Saya telah membaca, memahami dan akan melaksanakan semua keperluan dalam UM Safety & Research Handbook dan Kod Etika Penyelidikan. Kegagalan berbuat demikian akan menyebabkan permohonan saya ditolak.*  **Date : Programme Leader’s Signature :**  *Tarikh : Tandatangan Ketua Program : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* | | | | |

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| **G** | **Recommendation by Dean of Research Cluster**  *Perakuan oleh Dekan Kluster Penyelidikan* |
|  | **Please tick (***√* **)**  *Sila tandakan (√)*  **Recommendation:**  *Perakuan:*  **A. Recommended**  *Disokong*  **B. Not Recommended (Please specify reason)**  *Tidak Disokong (Sila Nyatakan Sebab)*  **Comments:**  *Ulasan:*  ---------------------------------------------------------------------------------------------------------------------------  ---------------------------------------------------------------------------------------------------------------------------  ---------------------------------------------------------------------------------------------------------------------------  ---------------------------------------------------------------------------------------------------------------------------  ---------------------------------------------------------------------------------------------------------------------------  **Name: Signature:**  *Nama: Tandatangan:*    **Date:**  *Tarikh:* |

**Note: APPLICATIONS SUBMITTED WILL BE TREATED IN FULL CONFIDENCE. THE DECISION OF THE UM COMMITTEE PANEL IS FINAL.**

Semua permohonan dianggap sulit. Keputusan Jawatankuasa Panel UM adalah **MUKTAMAD.**