Guideline: High Impact Research Grant (HIR) 2018

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Introduction</strong></td>
<td>A new grant initiative from Research University funding to <strong>encourage more impactful projects</strong> with output not only from academic perspectives (students, publications, etc.) but also direct output that are immediately applicable the communities and industries.</td>
</tr>
</tbody>
</table>
| **Objectives** | 1. To encourage researchers to **engage in research** go beyond purely academic boundaries  
2. To **become signature/blockbuster projects** that are worth showcasing in accordance to UTM’s research niche area (hence the importance of impact)  
3. To encourage **more translatable research output & outcome to communities & industries**  
4. To address **Malaysia & Global Grand Challenges** |
| **Application/Grant Requirement** | 1. Principal investigator can be any **permanent or contract academic staffs** in UTM of all levels with good track records.  
2. Program Leader must be a **Professor**.  
3. The main theme must be along the line of **Translational Research and/or 4th Industrial Revolution** in nature (Please refer to additional remarks).  
4. Practical solution, **ready-to-use/ready-to-implement** product development to problems; including scaling-up are encouraged to apply. **Prototype development**, however, is not encouraged.  
5. **Mentor-Mentee or Senior-Junior combination** of researchers are encouraged.  
6. Team members must consist of **members from industries and/or NGO**. A **letter of collaboration** must be provided as proof.  
7. **Cross/Multi discipline** research are encouraged due to the nature of the projects as well as the requirement of SROI report.  
8. **Stakeholders/beneficiary** need to be clearly identified and included as research team members.  
9. At least **one (1) collaboration** per program |
| **HIR Grant Concept** | One (1) program consisting of 3-6 projects |
| **Duration** | Maximum **3 years** with additional **6 months extension** with strong justification |
| **Grant Value** | Maximum **RM 300,000** |
| **Application & Evaluation Process** | 1. Application will be done **offline** where applicants need to submit a **concept paper** to the respective Research Alliance by **31 December 2017**.  
2. Proposal defense session **(presentation)** will be held by the respective RA, with date and venue to be informed.  
3. Each application will be evaluated by **two (2) technical panels** that are appointed by RA.  
4. The finalized projects will be informed via email after endorsement by the DVCRI |
### General SODO Capping

1. **Travelling (B21)**: within Malaysia only (max 10%). International travelling are allowed but strictly for networking only.
2. **Rental (B24)**: only related to the project.
3. **Maintenance (B28)**: only for equipment.
4. **Professional services (B29)**: justifiable.
5. **Equipment (B35)**: max 40% (no laptop unless absolutely necessary but not for clerical works).

### Expected Output

1. One (1) PhD graduate or **two (2) Master** graduates (all Malaysians).
2. Either **MoA or research agreement** must be signed between NGO/industrial partners and UTM.
3. At least **twelve (12) indexed publications**.
4. At least **four (4) Q1/Q2 indexed publications**.
5. At least **50% of indexed publications with industrial partners** (with clear industrial affiliation) as co-author.
6. Output from research must be a **direct, ready-to-implement solution** to stakeholders identified prior to the research.
7. Preferable with **intellectual property**, however, it can also be intangible (knowledge) but need to fulfil #4 (i.e. knowledge that can be directly applied to solve a real-world problem).
8. In case of intangible output, reports need to be presented in such a way to prove that the knowledge generated from the research is used in communities/industries.

### Monitoring/Reports

1. The respective **RA Dean** of the approved projects will act as the de-facto Head of Program and will be responsible to moderate & monitor the projects with assistance from RMC.
2. The **principal investigators** of the projects are responsible to RA Dean & RMC in terms of reporting.
3. Apart from final technical report, additional report on **SROI** (social return of investment) must be provided. The SROI report will act as the report for non-academic impact.
4. **Progress report** will be required from time to time as per regulation by RMC.
5. **Progress presentation** will be required from time to time with proof of actual collaboration efforts between UTM and external members of projects.
6. **Proof of tech-transfer, knowledge-transfer, innovation-transfer** and the fact that the output from the project is used in communities/industries must be clearly stated.