Guideline: High Impact Research Grant (HIR) 2018

Item	Description
Introduction	A new grant initiative from Research University funding to **encourage more impactful projects** with output not only from academic perspectives (students, publications, etc.) but also direct output that are immediately applicable the communities and industries.
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.