

KECEMERLANGAN DAN KEPIMPINAN PENYELIDIKAN

KECEMERLANGAN PENGURUSAN PENYELIDIKAN DAN INOVASI

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PENGARAH CRIM

10 OKTOBER 2019

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STRUCTURE OF CRIM



STRUCTURE OF COE



Our Values

Customer Focused	Integrity	Teamwork	Innovation	Professionalism
				
Customer Focused We continuously strive to provide security and achieve customer satisfaction.	Integrity We are sincere, kind, fair and just in our dealings with everyone.	Teamwork We achieve mutual growth by respecting one another's individuality and opinions, and by sharing knowledge and ideas.	Innovation We listen to our stakeholders and continuously seek ways to improve our work and business.	Professionalism We make sustained efforts to improve our skills and proficiency so that we can provide high quality services.

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The road ahead is long and windy,
 You may ride on bumpy road,
 You may take sharp turn,
 You may climb steep slope



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VISION AND MISSION



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UTEM STRATEGIC PLAN 2013-2020



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CORE VALUES OF UTEM



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TYPRES OF RESEARCH GRANTS

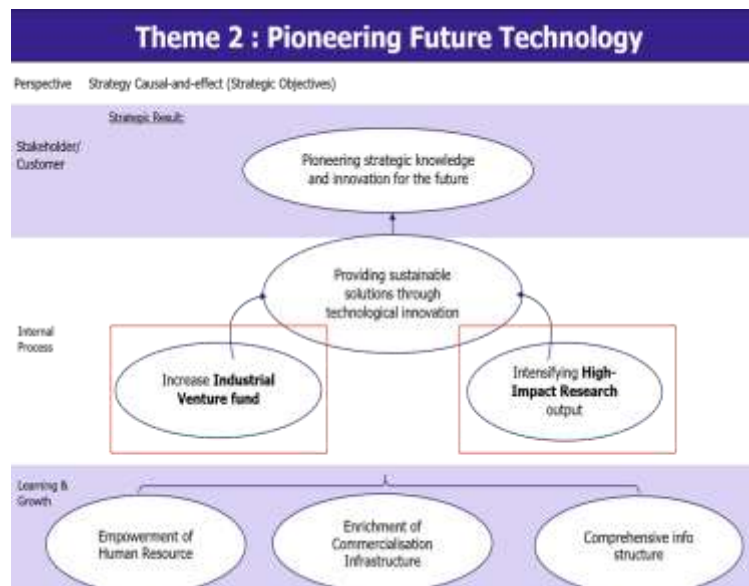
1. KPM : Fundamental, Product (prototype)
FRGS, TRGS, LRGS, MyLab, PRGS, RACER, RACE, RAGS etc.
2. MESTECC : Product (IPR), Commercialization
Science-Fund, TechnoFund, InnoFund etc.
3. International : EU, UK, Japan, Australia, Singapore
Erasmus, Newton, JICA etc.
4. Industry : National, International
100% : MPOB, Petronas, TNB, Tabung Haji etc.
CREST (CREST + Industry)
Matching grants (1:1)

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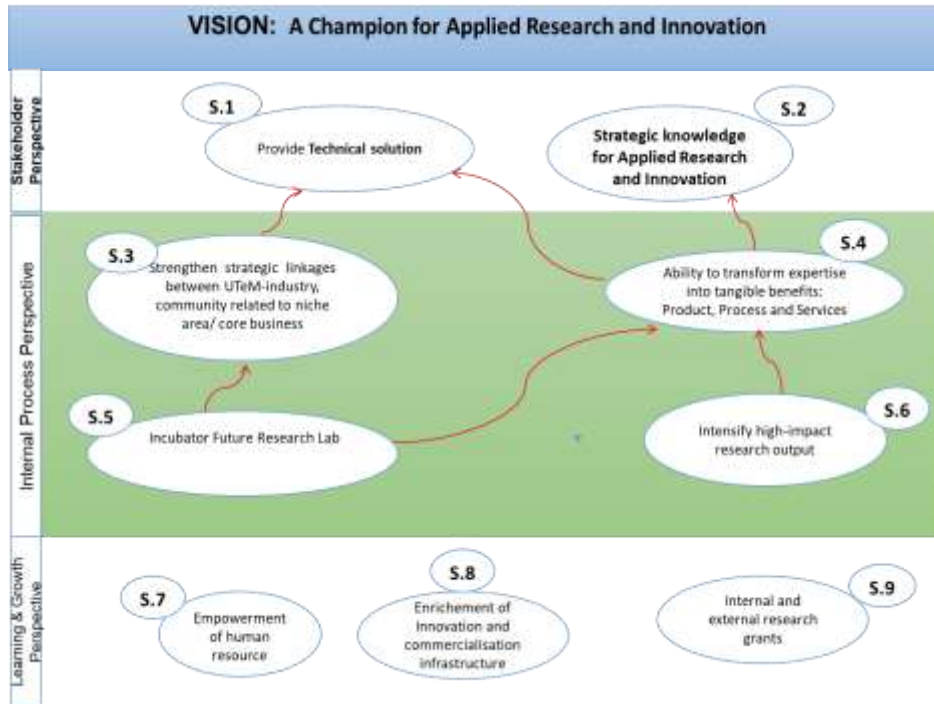
5. MTUN
 - ❖ 1 : 1 Matching grants (UTeM + Industry) with minimum RM50,000.00
 - ❖ 2019 : RM1.6M for research and need MoA
 - ❖ RM400K for commercialization and no need to match from industrial partner
6. PPRN : KPM + Industry (70-90% : 10-30%)
 - ❖ Bid titles from a list at KPM with industry
7. Internal Grants (PJP)
 - ❖ Normal PJP (S & T for RM20,000.00 and Non S & T for RM5,000.00)
 - ❖ High Impact : product-base and involvement with industry
 - ❖ Prototype : involvement with industry
 - ❖ Matching grants with industry (minimum RM10,000.00) with MoA
 - ❖ CRG for RM20,000.00 (1 RU as Leader+ 3 NRU) with MoA
8. Geran Insentif Penerbitan Jurnal for journal publication and conference
9. One-off publication grants for Guru Bahasa (DG)

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THEME 2 PIONEERING FUTURE TECHNOLOGIES



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TUNAI : TECHNOLOGY @ UNIVERSITY ADVANCING INDUSTRIES

[illegible]

ROLES OF CRIM (CENTER FOR RESEARCH AND INNOVATION MANAGEMENT)

- ❖ University one-stop center for management of research
- ❖ Promotion : Announcement of research opening to researchers with datelines
- ❖ Briefing to panels of assessor for on-line evaluation
- ❖ Collect the research proposals and arrange presentation before panels
- ❖ Final screening of proposals after panels of assessor
- ❖ Inform successful and unsuccessful research proposals in consultation with TNC(PI)
- ❖ Monitoring of research progress (every 6 months) : KPI and expenditure
- ❖ Monitoring financial aspects of research progress including virement
- ❖ Purchasing of equipment / components under RM50,000.00 with ZKP
- ❖ Request of Extension of Project : 1st Extension at CRIM, 2nd Extension at grant provider
- ❖ Inform to researchers on End of Project : 3 months before
- ❖ Final Report : 2 months after End of Project

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ROLES OF CoE (CRIM)

- ❖ Promotional of research grants
- ❖ Propose panels for assessment of grants
- ❖ Final screening of grant applications
- ❖ Monitoring of grant performances
 - ❖ KPI
 - ❖ Expenditure of budget

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RESEARCH COLLABORATION AND LINKAGE

- ❖ Institution, Industry, Agency
- ❖ National, Regional and International
- ❖ Research Attachment in Institution / Industry / Agency
- ❖ Engagement of PI / CoE / RG through collaborations and linkages
 - ❖ latest updates on recent research ideas
- ❖ CoEs / RGs are encouraged to collaborate through CRG grants led by RU and 3 NRU as members
- ❖ MoU / MoA / LoU
 - ❖ MoU does not involve budget (3 – 5 years)
 - ❖ MoA / LoU involve budget (1 -3 years)

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POLICY AND GUIDELINES

- ❖ POLICY : Under improvement (on-going)
 - ❖ Must get approval from LPU
 - ❖ Senario setting and Research strategy
- ❖ Hala Tuju Penyelidikan UTeM (Office of TNC (PI)) : 2020 – 2030
- ❖ Hala Tuju Penyelidikan Negara
 - ❖ National Priority Areas (NPAs), Research Clusters and Research Domains of KPM
- ❖ GUIDELINES :
 - ❖ Must get approval from Senate / JTK if financial involvement
 - ❖ URIS (DOWNLOAD)
 - ❖ 1st Edition : 2014
 - ❖ 2nd Edition : 2019
 - ❖ Tadbir Urus Dana Penyelidikan KPM 2019
 - ❖ Dana Penyelidikan MTUN 2019
 - ❖ Garispanduan PPRN
 - ❖ Tadbir Urus Geran (Kewangan) from Zon Kewangan Penyelidikan (ZKP)

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UTeM STRATEGIC / THRUST / NICHE AREA

- ❖ ADVANCED MANUFACTURING AND COMPUTING TECHNOLOGY (AMCT)
- ❖ 6 CoEs and RGs should focus strength strategies in research and innovation towards AMCT
- ❖ Established Advanced Manufacturing Center (AMC) as a PTJ to prepare for HICoE at KPM
- ❖ AMC must focus on a single niche area as required by HICoE
- ❖ KPM is thinking of establishing Konsortium CoE at national level prior to HICoE
- ❖ Konsortium CoE consists of 3 CoEs of same niche area from different Institutions plus 1 Industry in related area

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FINANCIAL

- ❖ Allocation of Vots (RND 002)
 - ❖ 11000 (29000A), 21000, 24000, 27000, 28000, 29000B, 35000, 36000
- ❖ Virement of Vots (Surat Pekeliling Bendahari Bil 6/2011 mulai Pusingan 1/2011)
- ❖ PJP (vot 11000 (29000A), 21000, 29000B)
 - ❖ Vot 11000 : Vire in or out is not allowed
 - ❖ Vot 21000 : Vire in or out is not allowed
 - ❖ Vot 29000B : only vire in is allowed
- ❖ Other grants : No restriction

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AUDIT ON RESEARCH

- ❖ Internal audit on PJP grants for year 2014
- ❖ External audit will be next

- ❖ CQI's on CRIM (Unit Geran and CoE)
 - ❖ strictly monitoring on achievement of KPIs through progress report every 6 months
 - ❖ strictly monitoring on expenditure of budget through progress report every 6 months – give warning if not met for first time, second time freeze grant
 - ❖ Inform research end date and Final Report in 2 months after end date
 - ❖ Extension of research
 - ❖ First extension is for 6 months
 - ❖ Second extension (PJP is NO; others will forward to Fund Provider)

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OUTPUT OF RESEARCH AND INNOVATION

1. Technical papers in journals and conferences (minimum at SCOPUS level)
2. Talents (HR) : GRA (Ph. D, MSc.), RA
3. Products / Prototypes
4. IPR : Paten, Copy Right, Trade marks, etc.
5. Commercialization, Spin-off, Start-up company

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SIGNIFICANCE / IMPACT OF RESEARCH AND INNOVATION

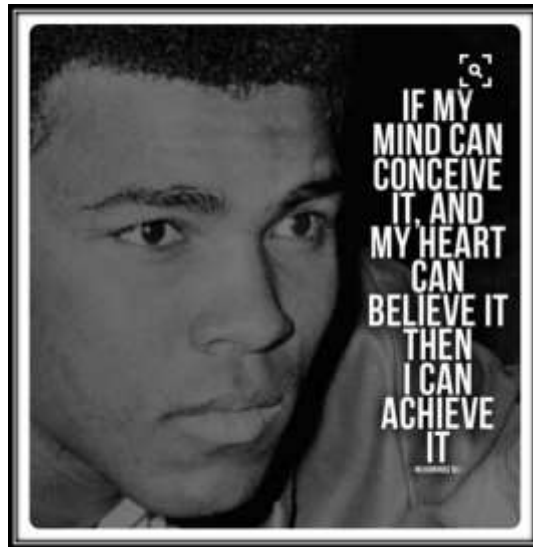
- ❖ Self satisfaction and reputation
 - ❖ visibility : SCOPUS / Google indexes, citations
- ❖ MyRA : Research-base (CRIM)
- ❖ SETARA : Overall (PMO)
- ❖ MyMOHES : Overall (PMO)
- ❖ QS Asia and World ranking / rating : Output of research in terms of papers per faculty and citation per faculty (usually provided by Library) (PPSKR)

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ROLES OF UCC (OFFICE OF TNC (PI)

- ❖ Exhibition and competition of research outputs (MyRA)
 - ❖ National : Pecipta, MTE, ITEX, BioMalaysia
 - ❖ International : SIF, BIS, INPEX, IENA
- ❖ I: Management of IPR & innovation (Patent, Copyright, Trademark, Industrial Design, Utility Innovation, etc.)
 - ❖ AKJ at UCC : identification of product / prototype from research and innovation
 - ❖ AJK at TNC (PI)
- ❖ II: Management of product commercialization : Negotiation for the Transfer of Technology
 - ❖ Outright sale
 - ❖ Technology licensing
 - ❖ Joint-venture (profit sharing)
 - ❖ Spin-off / Start-up company

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FRUITS FOR TAUGHT



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THANK YOU VERY MUCH

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