WIPO-ARIPO-OAPI IP PILOT PROJECT AI JKUAI

Institutional IP Implementation Plan

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Launch of the WIPO/JKUAT Project

September 16-18, 2019, Nairobi Kenya

Presentation outline

- Introduction

- Strategic Issues arising from the Assessment

- Recommendations

- Implementation plan

- Conclusions

1: Introduction: Recast on the objectives of the project

- To conduct an audit/assessment of the current IP management practices and support structures to identify gaps, challenges and areas of improvements;

- To use the information obtained to revise the existing policy and IP support structures.

- To formulate an IP actions plan to implement the revised policy

2: Strategic Issues Identified

1. Promoting awareness on intellectual property
2. Enhancing IP Training and Education available in JKUAT
3. Reducing potential loss of IP assets through unscreened publications
4. Underutilized Technology Innovation and Support Centre
5. Screening collaborative research contracts
6. Increasing IP applications and grants
7. Strengthening coordination of commercialization of IP rights
8. Capacity building for generation, protection and commercialization of IP rights
9. Strengthening DIPUIL to effectively deliver of its new mandate
10. Revision of the existing IP Policy

2.1: Promoting IP awareness

Status

1. Level of IP awareness between 5% and 15%
    - ❖ Based on online administration (sample too small)
    - ❖ Inferred from low level of IP application and commercialization
    - ❖ Taking into consideration that only 1063 students and staff have been trained (2 % of the total population of the university)

2. Recommendations
    - ❖ Determine the actual level of IP awareness to establish a useful baseline data (Teaching staff, undergraduate and post graduate students, technical staff, other staff)
    - ❖ In Collaboration with WIPO, ARIPO and KIPI, develop an IP awareness and outreach program
    - ❖ Implement the approved plan

2.2a: IP Training and Education

Status

IP Training and Education Offered by JKUAT in inadequate

- ❖ Only School of Law teaches IP to undergraduate and postgraduate students as a course

- ❖ Few departments offers units and topics in IP

- ❖ Most students leave the university without knowledge of IP and therefore not adequately prepared for the knowledge based economy

2.2b: IP Training and Education

Recommendations

Develop and implement an IP training and education programme that takes into consideration the following

❖ Use of free WIPO Academy programme

❖ Introduction of a common course on IP

❖ Introducing online IP training for students and staff

❖ Introducing IP units in post graduate courses including common courses like research methodology

❖ Multidisciplinary Masters Programme in IP in collaboration with WIPO and ARIPO

2.3: Technology Mining

Status

❖ Rapid analysis of some 1000 publications identified over 100 potential technologies for protection and/or commercialization.

❖ If routinely done, such potential losses of IP assets can be avoided.

❖ However, this will require capacity building of JKUAT staff to scout, mine or screen technology from departments, manuscripts and Theses prior to publications available at JKUAT e-repository.

Recommendations

The audit provided a strong justification for JKUAT to put in place policies and structure to ensure screening of publications, theses and dissertations for potential protectable technologies, products and processes.

2.4a: Enhancing utilization of Technology Innovation and Support Centre

Status

❖ Since 2015, JKUAT hosts the WIPO supported Technology and Innovation Support Centre (TISC).

❖ This is a useful tool that can enhance research that can lead to new patents and utility models, because TISC, in addition to providing other services, also shows existing patents in any areas of interest to researchers and therefore possible gaps that can be filled.

❖ Currently the level of usage of this facility is low due to lack of awareness as well as due to lack of skills on patent information search.

2.4b: Enhancing utilization of Technology Innovation and Support Centre

Recommendations

❖ It is proposed that the use of this facility be enhanced and capacity building of selected JKUAT staff be undertaken to provide support to researchers.

❖ That JKUAT in collaboration with WIPO to develop and implement a plan to popularize its usage

2.5a: Managing sign-off of collaborative research agreements

Current Status

❖ The university has entered in collaborative research agreements with many universities and research organizations locally, regionally and internationally.

❖ This is very positive move by JKUAT and today multi-institutional research collaboration is considered the best practice world-wide. However, care must be taken to ensure that the interest of the university is taken care of, in terms of ownership of any IP that may arise from such collaborative research.

❖ Whereas the JKUAT's IP policy of 2010 provides for screening of such agreement by DIPUIL before sign off, this is not always the case.

2.5b: Managing sign-off of collaborative research agreements

Recommendations

❖ DIPUIL should be mandated to screen the agreement to protect the IP interest of the university before sign off

2.6a: Enhancing IP Applications and grants

Current Status

❖ The level of conversion of the enormous research capacity and activities into intellectual property assets has been low. These are attributed to:

❑ loss of potential IP assets through unscreened publications

❑ Inadequate IP awareness

❑ Inadequate capacity of DIPUIL to reach out to potential IP generating faculty and departments; and

❑ Lack of attractive incentives for IP generation for non-academic staff. Whereas the academic staff is promoted based on patented inventions, this provision does not include other forms of IPRs as indicated in the harmonized criteria and guidelines for promotion of academic staff in Kenya by CUE.

2.6b: Enhancing IP Applications and grants

Recommendations

❖ Train selected JKUAT staff on patent drafting to support the process at college level

❖ Increase the financial resources for protection and maintenance

❖ Come up with IP incentive for filing and grant

❖ Develop measures to monitor infringement

❖ Develop measures to enhance coordinators between invetors and departments during IP processing

2.7a: Enhancing coordination of commercialization of IP

Current status

❖ Commercialization is the most important steps in IP management.

  ❑ Make available the results of R&D results for economic development

  ❑ Realization of the third mission : dissemination of knowledge.

❖ Successful commercialization provides strong incentives for generation and protection of IP rights.

❖ Currently several units involved in commercialization activities in JKUAT, but in an uncoordinated manner.

❖ There is lack of a university-wide agreed commercialization procedures and sensitize staff on the same.

2.8b: Enhancing coordination of commercialization of IP

Recommendations

❖ A framework for coordination has been proposed:

  ❑ based on the principal of a win-win situation for all the players

  ❑ considers effective participation of the players in decision making organ charge with the responsibility of commercialization.

  ❑ adoption will requires consensus building amongst the various stakeholders.

❖ It is also recommended that a university wide accepted commercialization procedure be developed.

2.8c: Enhancing coordination of commercialization of IP

Recommendations

All products, processes, technologies and services generated in JKUAT will first be protected through IP rights and thereafter commercialized through the following paths
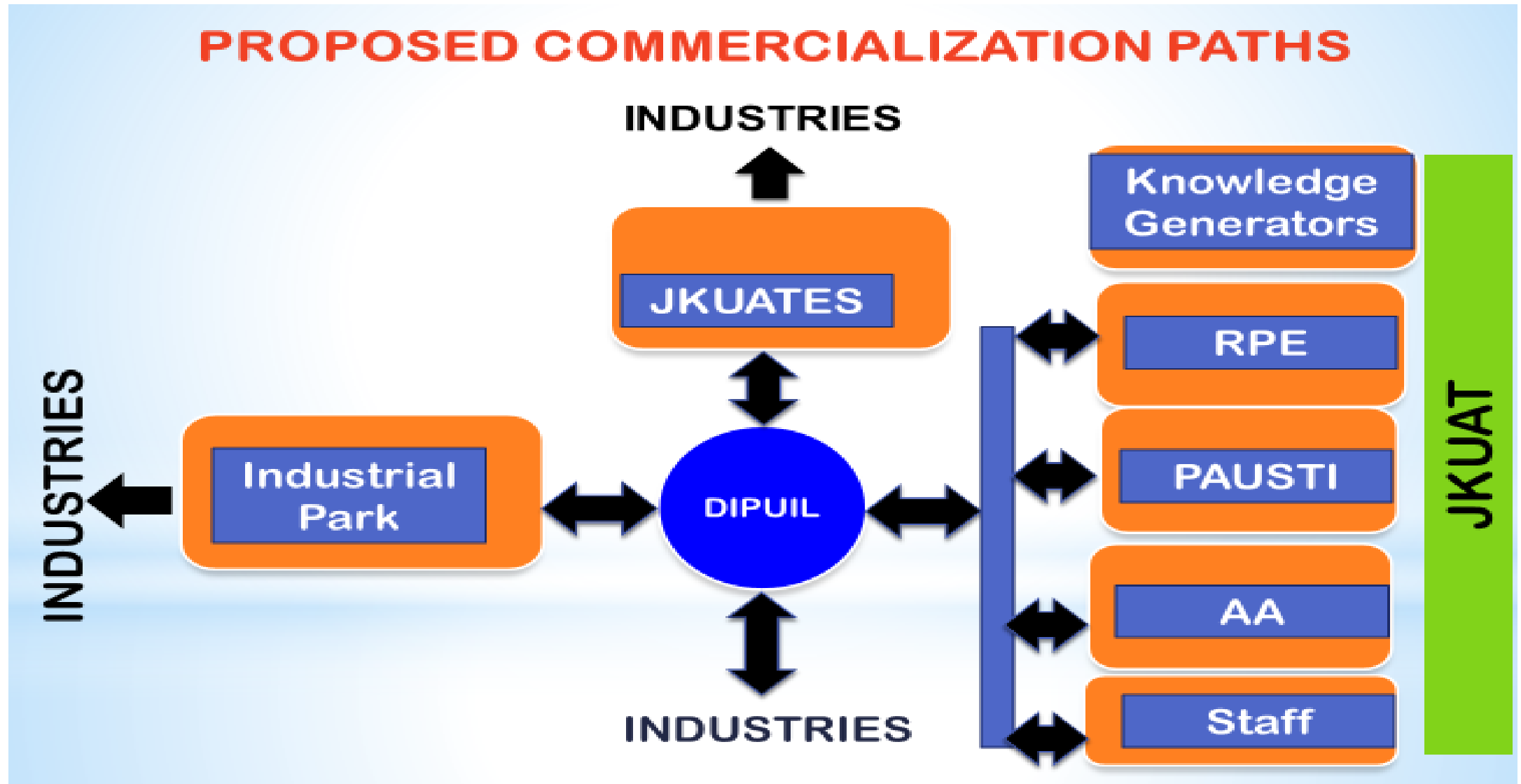
1. Those IP assets with ready market (demand driven) will be transferred through licensing directly to the industry by DIPUIL

2. IP assets ready for uptake will be transferred through joint venture via JKUATES

3. Those with little uptake market potential (push driven) will initially be incubated through the Industrial Park and later transferred to industries through direct sale or joint venture.

2.8c: Enhancing coordination of commercialization of IP

Other Recommendations

❖ Since successful commercialization of IP assets requires the involvement of the inventor, breeder or innovator, the technology transfer/commercialization negotiations in a-c, will involve the participation of the respective sources of the technology, product process or services (i.e RPE, AA, or PAUSTI).

❖ The required technical support by JKUATES and Industrial Park will be provided by DIPUIL.

❖ To ensure participation of the key stakeholders in providing guidance on all issues of commercialization, representatives from RPE, AA, PAUSTI and JKUATES will be members of the Intellectual Property Management Board.

2.8d: Enhancing coordination of commercialization of IP

PROPOSED COMMERCIALIZATION PATHS

2.9: Capacity Building of JKUAT Staff

Recommendations

To enhance IP management in JKUAT, there is need to capacity build selected JKUAT staff to support DIPUIL; the colleges and schools in the process of generation, protection and commercialization of IP rights. It is proposed that JKUAT should work closely with WIPO, ARIPO and KIPI to develop a plan for capacity building which will include the following:

- ❖ IP audit
- ❖ IP drafting
- ❖ IP valuation
- ❖ Technology transfer managers
- ❖ IP licensing
- ❖ Marketing and negotiation
- ❖ Post graduate training

2.10: Capacity Building of DIPUIL

Recommendations

❖ To effectively deliver on its mandate and implement IP plan, there is need to strengthen the capacity of DIPUIL.

❖ Particularly commercialization which requires a variety of skills.

❖ A proposal for a new structure for DIPUIL has been prepared for consideration by the university. The new structure can be implemented in pashes as the demand for IP services increases.

2.11: Revision of the IP Policy

✓Based on the findings of the assessment and the identified strategic issues, suggestions have been given to be incorporated in the revised IP Policy

✓These are present later

3: Implementation Framework

✓ We have provided15 months implementation plan – October 2019 to December 2020

✓ We have assumed that JKUAT Intellectual Property management Board will be appointed to oversee and guide the implementation of the plan

✓ We have assumed that JKUAT will leverage on good working relationship with WIPO and Japan to mobilize technical assistance to implement the project

❑ The pilot project is being supported by Japan –Fund in Trust

❑ JKUAT has had a long relationship with Japan

1	IP AWARENESS						
Activity	**Sub-Activities**	**Timeframe (2019-2020)**					**Actor**
		Q1	**Q2**	**Q3**	**Q4**	**Q5**	
Develop IP awareness creation and outreach plan	Develop and validate plan for IP awareness creation and outreach	▨					DIPUIL, RPE, PAUSTI
Implement IP awareness creation and outreach plan	JKUAT IP Seminars	▨		▨		▨	DIPUIL
	JKUAT IP Open day			▨			DIPUIL, RPE and PAUSTI
	JKUAT IP competition (essay, cartoon animation, poem etc)		▨				DIPUIL, RPE and PAUSTI
	IP pitch/moot court				▨	▨	School of Law DIPUIL
	Publicity material (e.g. magazine)					▨	CCD DIPUIL
	Implement the plan	▨	▨	▨	▨	▨	DIPUIL

THANKS