INNOVATION ADVANCEMENT FUND (GES 4.0 SI) APPLICATION FORM

Administered by the University of Johannesburg
Technology Transfer Office

Text in ORANGE colour represents guidelines only and must be deleted in the final submitted application.

This Fund is administered by the University of Johannesburg Technology Transfer Office. Any correspondence and completed forms should be submitted electronically to Ms Charmaine Niemand at charmainen@uj.ac.za .

Short Project Title:	Impande mobile carwash
Name of Applicant:	Thamsanqa
Title (Prof, Dr, etc.):	Mr
Department:	Department of finance and investment management
Faculty:	College of business and economics
Research Group:	Independent researcher
Telephone Number (land line):	N/A
Alternate Telephone Number (cell phone):	0814783767
Email Address:	thamsanqasiphelele16@gmail.com
Principal Investigator (if different from applicant):	
List other Project Partners if part of a Consortium:	
Has this project/technology been disclosed to the UJTTO via/on Inteum?	NO
Duration to complete the project	6-8 months
Total Funds required to complete the project	100000-200000

Agriculture Sector			Advanced Tech Manufacturing Sector	
Health Sector			Energy Sector	
Industrial Biotechnology Sector			Natural Resources: Mining	
Humanities			Green tech Waste re-use	
Other (specify):Automotive sector	x		ICT	
			Industrial Design	

Techno-economic evaluation studies	x		Initial product, process (comprehensive technology package) and prototype development	
Sourcing of intellectual property opinions	x		Production of market samples and/or associated testing	
Refining and implementing designs			Conducting field studies to test the assumption made about the technology, market and/or customer need	
Support of certification activities and specification sheet development			Piloting and technology scale-up	
			Business plan development	

Detailed primary market research	

1.1 **Project Summary:**

a. Describe the identified problem/need you are addressing in more detail and its significance.

b. How did you validate this need?

c. Describe how your project will address this problem/need.

d. Who is your market? Who will pay to have the problem solved? (Consider the full value chain).

e. Provide analysis of the market segmentation (in terms of size, structure, geography, growth, market need and/or unmet need) and clearly indicate why the defined customers will procure your product/ process/ service.

f. What is the likely route to market for your proposed solution?

Provide a list of competitors offering similar or alternative solutions:

Table 4: Competitors

Current/alternative offerings in the market	Features of current/alternative offerings (mention the most important advantages and disadvantages of current offerings)	Competitive advantage: any superior features that you have over your competitors' offerings/current offerings.
Traditional car washes (fixed location)	They offer washing services at fixed location or garage stations advantages : large scale offering and access to lots of resources such as (water & equipment) disadvantages : use large amounts of water which is not eco-friendly. customers had to drive to the location which in not convenient by means of time & fuel consumption.	My mobile carwash is a convenient mobile service that brings the cleaning to the customer, saving them time and travel. Time saving because of a faster cleaning process with no waiting. Also convenience for eco-friendly customers who value the waste of water as a major economic problem in our country.

waterless car washing product that they can use for self service.	Individuals can purchase these products in store and use them on their own . advantage:these products are cheap and can be used at home. disadvantage: customers may still waste their time on washing/cleaning the vehicle Products are not convenient if being used without profession on how to use them which could lead to any car damages.	customers can benefits through professional service and they don,t have to waste their time because I would would be offering them convenience service
Car detailing services	car detailing services at premium, fixed locations where customers pay for a high-quality,thorough cleaning. advantages: offer quality service . disadvantages:offer service at a fixed location. Some premium options are expensive.	more affordable to all groups regardless of socioeconomic status and offer high quality at low cost by delivering the service directly to customers.

g. Explain how your solution is better than similar offerings. List the differentiating features (competitive advantage) in the table above.

Section 2: Intellectual Property (IP)

2.1 IP Position:

a. Have you conducted any IP searches in relation to the proposed product/process/service? If so, please provide the results.

b. Describe any existing IP that underpins the product/process/service that you have registered and ownership thereof.

Table 5: Intellectual Property

Filing Date	Patent, Design, Trademark Applications or Granted No.	Date Patent granted/Status	Inventor Details	Assignee/ Applicant Name(s)	Title	Region/Territory
N/A	not yet filed	N/A	Thams anqa	Impande	waterless mobile car wash	South Africa

c. What do you consider to be the closest prior art to your technology/solution?

d. Is there any third-party IP relevant to the project? Is there any risk of infringement of third-party IP?

e. Is there a likelihood that you will develop protectable IP as an outcome of this project? If so, briefly comment and describe.

f. What would you regard as the most difficult aspect(s) of your proposed solution for competitors to copy?

Section 3: Project Plan & Budget

3.1 **Project plan and associated budget:**

a. Complete the budget template for the project in **Table 6** below:

This funding is not intended for salary payments to UJ staff who are part of the project team. An exception may be made where a service is being rendered by a UJ staff member, who is not part of the project team. This should be clearly highlighted and motivated.

b. What is the grand purpose of the project?

c. Please attach a summary of results on work already conducted on this project.

d. What further activities (beyond the above) would be required before you can commercialise your offering? Which partnerships do you require to achieve this?

e. Provide information on prior funding received for this project (funder's name and amount received)

f. Have you recently approached other potential business partners/funders for financial support? If so, what is the status of your engagement and application with them?

Table 6: Project Plan and budget								
Milestone	**Activities**	**Timelines**		**Activity duration**	**Expected deliverables per activity**	**Person/Team Responsible**	**Estimated cost of achieving activity**	**TRL* to be reached through this activity**
		Start Date	**End date**					
Milestone 1	*Activity 1.1*							
	Activity 1.2							
	Activity 1.3							
Milestone 2	*Activity 2.1*							
	Activity 2.2							
						TOTAL	**R**	

* See Table 7 below

3.2 **Project Technology Status:**

Select the stage of development or the Technology Readiness Level that your idea/technology is currently at with an 'X"; and the TRL level you are likely to be at the end of your project with a "G".

Use the Technology Readiness Levels (TRL) table provided below.

Table 7: Technology Readiness Levels

Technology Readiness Level		Description	Mark TRL with an X= current, G = goal
1	Basic Technology research	Basic science. Not application-focussed. Principles are observed and reported on.	
2	Concept formulation	Some practical applications identified materials or processes required and confirmed. Technology and hypothesis formulated. Research plans and protocols are developed, peer reviewed and approved.	
3	Analytical and experimental critical function or research proof of concept established	Laboratory measurements validate analytical predictions of separate technology elements. Hypothesis tested.	
4	Validation in laboratory environment	Test results confirm design and meet technical performance. Hypothesis refined. Formulations tested.	
5	Laboratory scale validation in relevant environment	Validation under relevant operational conditions, mimicked in the laboratory.	
6	Integrated prototype system verified in relevant environment	Prototype demonstration in the operational environment. E.g. Phase 1 trials	
7	Integrated pilot system demonstrated in operational environment	Integrated full scale pilot systems demonstrated in an operational environment or site.	
8	Actual system completed and validated through test and demonstration	Actual product completed and qualified through certification, tests and demonstrations.	
9	Proven system and ready for full commercial deployment	Product proven ready through successful operations in operating environment.	

Section 4: Impact

4. Describe the impact that your solution is expected to make once taken up in the market:

How will your offering benefit South Africa and/or South Africans and/or society in general?

Section 5: Declaration

I declare that:

- I am duly authorised to complete and sign this application form for the purpose of applying for funding.
- I have read and understood the general guidelines in the call and I have engaged with UJ TTO for any assistance needed in the preparation of this application form.
- I am familiar with the IPR Act and the UJ IP Policy, and will obtain and comply with any guidelines/advice of the UJ TTO in this regard.
- I am aware that there may be further information required by the UJ TTO in respect of this application, and that my failure to provide requested information timeously may lead to a rejection of this application.
- The information contained in this application plus any supporting information is to the best of my knowledge true, accurate and complete at the time of application. I accept that the UJ TTO has the right to terminate this application and/or any associated project funding in instances where the information provided is found to be false, and where instances of fraud are detected.
- I am aware that any funds not spent as approved by UJ TTO for designated activities would need to be paid back to UJ TTO.
- I am aware that all funds are managed in accordance with a Recipient Funding Agreement that must be signed before any funds will be made available.
- I am aware that the UJ TTO is entitled to request a progress report at any time and that a final written report summarising the project's results, as well as a financial statement, must be submitted to the UJ TTO within one month of the project's completion.
- I acknowledge the following:
    - UJ respects the privacy of all its stakeholders and acknowledges its responsibility to comply with the Protection of Personal Information Act (POPIA), other related data protection legislations and the directives of the South African constitution and national legislation. By signing this application form, I consent to the collection, usage, processing, and storage of personal information in accordance with the law.
    - The UJ TTO is obligated to collect, use and disclose personal information for the purposes of evaluating and processing applications, administering funds, compiling statistics and reports, providing personalised communications, to contact me to obtain or provide more information, to verify the accuracy of its records and/or for a purpose that is ancillary to the above. The UJ TTO may also use and disclose personal information for the purposes of providing personal information to third parties or contracted service providers, who assist it with its business operations. By signing this **form**, I hereby provide authorisation to the UJ TTO to process the personal information provided for the purpose stated.
    - I hereby agree to the transfer of my personal information to countries outside of South Africa and/or my country of residence, which have different data protection rules than in

South Africa and/or my country, for the purposes of current or potential future business operations or opportunities.

Applicant Name: _____

Signature: _____ Date: _____

Institutional Authorisation:

HOD/Vice-Dean: Research/Executive Dean

Name: _____

Signature: _____ Date: _____