

Application: ExID-23F-4486379458

Zakaria SANKARA - sankarazakaria97@gmail.com
(MOROCCO APPLICANTS) Explorer Innovation Fund

Summary

ID: ExID-23F-4486379458

Last submitted: Aug 25 2025 16:56 (+01)

Labels: Pending Approved New Application, Project Total is ZERO, NOT USED , F24 Continuing, F24 Pitchathon, S25 Continuing MFB Teams, S25 Invited to MFB, S25 MFB, F25 Full FB

Eligibility Criteria

Completed - Aug 18 2023

Eligibility Criteria Form

- Eligibility Organizations: UM6P, GEP, MASCIR, 1337, YouCode, Hassan II, Al Akhawayn, Mohammad V, Cadi Ayyad, Paset and Technopark students (undergraduate, masters and PhDs) postdocs and researchers
- Eligible members (see Eligibility Organizations above) and their teams that have a startup idea that they are already working on or want to start working on are eligible to apply.
 - All business models are welcome, including non-profit, social ventures, commercialization of eligible organizations (see Eligibility Organizations above) research and projects.
 - This does not include internships, charities, or research that you are not actively trying to commercialize or bring to market.
- Teams can have members from any eligible department or organization (see Eligibility Organizations above), as well as members from outside the Eligibility Organizations. However:
- A team **must have at least one full-time** member from an eligible organization (see Eligibility Organizations above) in **a leadership role (if company is registered, then eligible member has to be one of the registrants)**.
- Upon graduation or terminating affiliation with any of the eligibility organizations (see Eligibility Organizations above), a team is no longer eligible to continue within Explorer.
 - Recruiting an eligible member to the team for the sole purpose of continuing the participation in Explorer will not be accepted as an eligibility criteria. Such addition to the team must happen at least ½ a cohort in advance. Please consult with the Explorer staff early about any clarifications required.
- Team members can be added/deleted anytime during the cohort (through Explorer portal).
- Team absolutely must be committed to their Business and Completing/Revising LBMC, Customer Segments, Customer Discovery, Early Adopters
- Teams must disclose prior or other sources of funding. This will not exclude you from being in the Explorer program in any way unless your venture has raised more than 500.000. Dhs in equity funding.

The Reviewer Panel and Funding Board reserve the right to disqualify any entry that in its judgment violates the letter or the spirit of the guidelines, processes and rules of the Venture Explorer Innovation Fund Program.

Responses Selected:

Yes, I agree with the above terms

Add Team Members

Completed - Aug 25 2023

Add Team Members Form

This is to certify that all team members have been added and have filled out their biographical information.

1. All team members have been added as collaborators on this application (see "Add collaborator" button on this application's main page).

Click on "Back to application" to see add collaborators button

Responses Selected:

Yes

******Each team member should have their own SurveyMonkey account ******

2. All team members are committed to logging into their own Explorer SurveyMonkey account (not the account of the person submitting the application), and filling out their profile. This is a very important commitment. Please make sure all team members are going to do this step.

Responses Selected:

Yes

Explorer Innovation Fund Application

Explorer Innovation Fund Application Form

Please fill out all required before submitting your application. If this is a continuation application, some of your previous entries are listed. Please make sure to update where necessary.

NOTE: Due to UM6P policies, Explorer [no longer accepts eligibility from staff](#) (only students, researchers and post-docs). If you are a continuing team, you may continue filling this application, but you no longer are able to request additional funding. Please contact explorer@um6pventures.com with any questions. Note that a staff member can be on a team where the main applicant is a student, researcher or post-doc from an eligible institution.

Category Selection

1. Please select which fund you are applying for:

Explorer Innovation Fund Between 0 - 50.000 Dhs

Terms and Conditions

1. Terms and Conditions

1.1 Program Timeline

Applications deadline: September 1st, 2025

Cohort active: October 2025 - February 2026

Responses Selected:

I agree to the program timeline

1.2 Explorer Participation Guidelines:

I have read and understood the Explorer Participation Guidelines and by choosing yes below I agree and certify that I will abide by the Explorer Participation Guidelines and I will ensure that my team will also abide by the Explorer Participation Guidelines. The Explorer Participation Guidelines can be found at the link below:

[Click Here to see Explorer Participation Guidelines](#)

Responses Selected:

Yes

Project/Company Information

2. Project/Company/Team Information

2.1 Company/Project/Team Name

LMS INVENTION/DIGITALISATION & INDUSTRIE 4.0/LMS

2.2 If your company/team name has changed since you first applied to Explorer, list any previous names

2.3 How many people are on your team?

(Please include yourself in the count. It's OK if the answer is 1)

8

2.4 Provide a URL to your project/company website if you have one

<https://www.lms-invention.com/>

2.5 Upload your team/company logo

This helps you be more memorable when we share your information with our sponsors. We encourage you to upload an image that represents your company if you have one.

[WhatsApp Image 2023-08-21 at 14.54.02.jpeg](#)

Filename: WhatsApp Image 2023-08-21 at 14.54.02.jpeg **Size:** 26.2 kB

2.6 Select up to three keywords that apply to your business venture.

Please place them in order of relevance where 1 is the most relevant. Please drag the numbers 1, 2 and 3 on the relevant areas. If you do not make any selections, this will impact the ability of the reviewers to review your application.

if you can't drag the numbers, then make sure you are using a laptop or contact explorer@um6pventures.com for help

1	Internet of Things
2	Smart Cities
3	Robotics

Please confirm that you have made ALL three area selections above.

Responses Selected:

I have made all three selections

2.7 Proposed business model

B2B (Business to Business)

2.8 Target Market

Responses Selected:

Morocco

2.9.a Did your idea come out of your institutions research or project (e.g. your thesis)?

If yes, you will need to get sign-off from the UM6P Technology Transfer Office (TTO) or your organization. Please contact the Explorer office if you have any questions.

Yes Hassan II

Proposal Details

3. Proposal Details

Well thought out and written descriptions, in English, of the items below. One liner/sentence descriptions, or incoherent descriptions will result in immediate rejection of the application. Please make sure to put clear thought in your writing and run it by colleague(s) and/or mentor(s) beforehand.

3.1 Problem/Need Addressed by Technology

(150 word maximum)

Recent events such as covid19 and the war in Ukraine have caused huge energy crises in the world, thus increasing the prices of hydrocarbons and energies. Also, climate change encourages the various governments to encourage the ecological transition towards industry 4.0 and green energies. Food insufficiency is still relevant in Africa and elsewhere.

All these problems require intelligent management of energy, urban mobility, the development of public waste treatment systems as well as permanent monitoring of infrastructures. Agriculture requires new plant monitoring systems as well as the robotization of certain tasks. The automation and decentralization of management systems in industrial sectors are among the many demands addressed to robotics and the IoT.

Finally, the IoT, smart cities and robotics are key areas for ecological transition, which is a real need today.

3.2 Proposed Solution

Provide a description of your proposed solution (150 word maximum)

Our Startup aims to be a viable, effective and new solution in the proposal of products and services. We will offer systems designed by ourselves and oriented towards industry 4.0 based on our know-how in IoT, smart systems and robotics.

Imagine and create new systems for the industry 4.0, IIOT, AI

Assistive robots can improve the quality of life of people with disabilities by helping them complete daily tasks and regain their mobility.

smart cities and robotics aim to solve a multitude of problems in a variety of fields, using technologies from the Internet of Things, data analytics, automation and artificial intelligence to create solutions innovative.

In addition, our services offered will be those that the clientele will request from us in relation to these three areas. Thus, companies, individuals and governments according to their needs can call on us to request our services in this area.

3.3 Who is Your Competition?

Companies, Products and/or Technologies (150 word maximum)

Compagnie: Innovatel Engineering, Intellcap, abba technologies, Agritech,
SIEMENS, SCHNEIDER, Rockwell
Technologies: IoT sensor, Autonomous robots, drones, IHM...

3.4 Describe your team and your team's strengths.

It is strongly recommended that you have at least one teammate (Group size of 2 or more). Please note: all teammates listed here should also be listed on the members section of the application home page (150 word maximum)

KOITE Abdrahamane: Electrical Engineering and Industrial Systems Control ENSET Mohammedia UH2C
MIKALIA Yahaya: Electrical Energy and Digital Industry Engineering at ENSAM Rabat UM5
KALLI Moussa Salissou: Mechanical Engineering at ENSAM Rabat UM5
ADIKPETO Rivaldo Zinedine: Artificial Intelligence & Data Science Engineering at ENSAM Meknès
AMAR Chaymae: Mechanical Engineering: structures and product engineering ENSAM Meknès
BONI N. Edouard: Civil Engineering at ENSAM Meknès
SANKARA Zakaria: Electromechanical Engineering, industrial control and management option, Digitization and Industry 4.0
ZOETYANDE Nerkièta Nafissatou: Industrial Engineering, Logistics and Digital Industry of the Future option, ENSA Kenitra and EILCO France
Coming from different university backgrounds and different cultures, our team is made up of dynamic and motivated young people who want to contribute to the building of our countries. Through our startup, we aim to promote youth entrepreneurship and help reduce the unemployment rate.

3.5 What do you hope to gain from participation in Explorer?

What are your goals and what do you hope to achieve with Explorer funds and resources? (150 word maximum)

Our goal is to mature our project, to learn from mentors, to make our business known to the general public, to meet people like us in order to benefit from a sharing of experience, to have financial resources to carry out our project. Above all, we want to learn the good manners of entrepreneurship in order to know how to attract investors and convince customers.

By joining Explorer funds and resources, we hope to achieve these goals by having experienced mentors to guide us, financial funds and an entrepreneurial community.

3.6 Do you plan to use any of your funds as for a summer stipend ?

- Up to two team members can request up to 2.000 Dhs/Month for a maximum of three months during the summer
- Only Students are eligible and will be employed as interns with UM6P
- The team members **MUST** be planning on making working on the project their highest priority during the summer.
- Potential interns **MUST** have authorization from their academic departments to allow them to take an internship during the summer
- Team will have to make a presentation to Explorer to justify the request
- **If you plan to request a stipend it should be clearly INCLUDED and JUSTIFIED in your budget. Separate line items should be included for each student requesting a stipend. (On Explorer Team Budget Plan)**

Yes

3.7 Do you plan to use any of your funds for international travel?

We encourage teams to find other sources of funds for international travel. However, if you do plan to use Explorer funds for international travel, please list all of the travel details below, including travelers, destination, and estimated cost.

Due to COVID-19 restrictions, we follow all UM6P policies.

No

One Page Pitch

4. One Page Pitch

4.1 Information Release

The responses in this section are for public use. We will be sharing these with sponsors and potentially the general public. Make sure that you are comfortable sharing whatever you include here.

Responses Selected:

I give permission for the information below and the personal information (Name, Email address, Phone number) to be shared publicly

4.2 Value Proposition

Limit your response to 20 words

- Digitalization
- Optimization of processes
- Training courses
- Offering ingenious systems
- Technical and economic study of products or projects
- Problem problems engineering

4.3 Problem Addressed

Limit your response to 50 words

- Lack of actual monitoring of production processes
- Production process problem
- Waste of energy due to production stoppages
- Difficulties in accessing dangerous areas
- Performing dangerous and repetitive tasks
- Disabled people

4.4 Proposed Solution

Limit your response to 50 words

- Design and develop ingenious systems
- Continuing education
- Content& conferences
- Competitions creation
- Trade fairs

Funding Details

5. Funding Details

5.1.a Have you received Explorer funds for this venture idea in the past?

No

5.2 Current Funding Request (This proposal only, must match your budget)

Please enter numerals only. Do not add any symbols or punctuation. Amount must be in Dhs.

This amount should include your remaining funds from previous cohorts (Question 5.1a - 5.1b). For example, if you were awarded 20000 Dhs previously (5.1a) and you have spent previously 8000 Dhs (5.1b) AND for this cohort you are asking for an additional 15000 Dhs, then the answer to this question is $(20000 - 8000) + 15000 = 27000$ Dhs. This amount should be in your budget that you will fill out.

0

5.3 Potential Cumulative Explorer Funding

0.0 Dhs

5.4 Have you received, or are you concurrently applying for additional sources of funding?

Explorer teams may have up to 500.000 Dhs in prior investment funding and concurrent investment funding to be eligible for participation. Please list all sources of funding you have received, including prior Explorer funds (if any) and any other funds on or off campus.

Please note: if you are concurrently applying for other sources of funding, please notify us at when you receive the funding decision.

No

5.5 Other Funding

	Funding Source	Name of Funding Source	Amount (Dhs)	Status	Click to add additional source
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Explorer Team Budget Plan

Completed - Aug 21 2023

Explorer Team Budget Plan Form

[Explorer Team Budget Plan](#)

Team ID: ExID-23F-4486379458

Team Name: LMS INVENTION LMS INVENTION/DIGITALISATION & INDUSTRIE 4.0/LMS

1. If you do not have a budget and are applying for mentoring only and need help with creating a financial plan please click the appropriate box below (you will not be required to fill out a budget).

Responses Selected:

I will not be submitting a budget (you may skip the remainder of this budget)

Project Total: 0.0

In section 5.2 of your application form, you said your funding request was: 100000 (continuing team) or 0 (new team) - as a reminder, this number must match the Project Total above. By selecting **Mark as Complete**, you confirm these numbers match.

IF THE NUMBERS DO NOT MATCH, THIS WILL RESULT IN YOUR BUDGET NOT BEING APPROVED.

S25 Group Review Stage (Final Reviews) for: Michael Lebowitz

Completed - Aug 6 2025
Score: 39% (21/54)

S25 Final Mentor Review Form

Mentor Review Form

Mentor Review Form

1. Your name:

Michael Lebowitz

2. Your email:

michael.lebowitz@gmail.com

3. Team Name:

LMS INVENTION/DIGITALISATION & INDUSTRIE 4.0/LMS

4. List the team members who attended mentorship sessions.

Team Members are: Zakaria SANKARA , Yahaya MIKALIA, Nafissatou ZOETYANDE, Wendyellé Abubakrh Alban NYANTUDRE

They all attended at least two meetings. Zakaria and Yahaya were at all of them and the others at several. There were some conflicts with their other work but there was good attendance.

5.0 How many times have you met with this team this cohort?

4

5.1 Has the team shared with you/presented/achieved these mile stones:

The above is applicable to both Group and 1on1 format and the Session # (i.e. when they shared this) is of course up to you, so this has not to be done in order. The purpose is for us to be able to make sure we place the teams in the correct mentoring format the next cohort.

Responses Selected:

Session 1 deliverable - Problem, Solution and Customer Segments in LBMC ?

Session 2 deliverable - At least 2 major business assumptions ?

Session 3 deliverable - Conducted customer interviews ?

Session 4 deliverable - Business Pitch ?

6.0 Were you able to collectively agree on goals and/or milestones during the sessions?

Yes

7.0 What level of progress would you say this team has achieved in terms of understanding their target market?

Some progress

8.0 How coachable is this team?

Highly coachable

9.0 How committed to the project is this team?

Mostly committed

10.0 Did this team identify an initial target market, customer type or early adopter?

Yes

10.1 Did this team pivot?

No

10.2 Did the team conduct customer interviews (not online surveys)?

Small number

10.3 What stage is the team currently at in their product development? (pick the most advanced choice)

Prototype or POC (Proof-of-Concept)

10.4 If any team members apply for a summer stipend, would you recommend they receive it?

Yes

11. If they request more funding would you support their request?

Yes

12. Did your team share with you their plans for next cohort , in particular their request for additional funding from Explorer including a high-level project/budget plan?

Yes

13. Did the team present a 5-minute pitch to you?

(If **no**, please elaborate under question 16 why AND make sure you answer No to question 12)

Yes

14. If you support their application for additional funding, do you think they are ready to pitch to the Funding Board for a cumulative amount over 50.000 Dhs?

Yes

15. Would you like to continue mentoring this team through the next cohort?

We would like to keep as many teams working with their current mentors as possible throughout the calendar year.

Yes

16. Please elaborate on your answer above and provide general feedback to help us understand the progress this team has made this cohort.

I like this team and they have been working hard. I am confused by one thing -- the application tab here does not look a lot like what they are currently working on which is a device and app to turn a regular refrigerator into a smart refrigerator. While that be the first of many areas, they are focused on it (and presented at Showcase at some point I think). So I'm not sure if they did a hard pivot before I met them, or the application has never been updated (or I'm confused!). (I put no as an answer to question 10.1 because they haven't pivoted since I met them but I imagine they did earlier.) (PS -- looking at the history of the reviews of this team, they have clearly been on the refrigerator idea of several years, so I'm not sure where the material in the application tab is from.)

Anyway, commenting on what they are working on they are progressing in the right direction, but it's a fairly slow path, especially since they have other responsibilities. They are getting to the point of developing a serious MVP which required fabrication of a circuit board as part of a device that goes in the refrigerator and also working on an app for users. We have talked about whether the HW device will be sold to the users, or if it is a loss-leader to get people to use the app. They need to have a bit more focus on that.

I do enjoy working with them and we will probably have one more session in August. If they would like it, I would be happy to continue to work with them next round.

17. Please provide feedback that we can share with the teams (This can be duplicate from the previous question).

I like this team and they have been working hard. They are making steady progress in their plans to create a device and app to turn a regular refrigerator into a smart refrigerator. They are making steady progress, but there is a lot to do. We have talked about the tradeoffs between work on the HW device and on the app and which is the real selling point, and in either case how to market. I have enjoyed working with the team and am certainly willing to continue doing so.

S25 Group Review Stage (Final Reviews) for: Mohamed Lahmami

Incomplete
Score:

S25 Final Mentor Review Form

Mentor Review Form

Mentor Review Form

1. Your name:

(No response)

2. Your email:

(No response)

3. Team Name:

(No response)

4. List the team members who attended mentorship sessions.

Team Members are: Zakaria SANKARA , Yahaya MIKALIA, Nafissatou ZOETYANDE, Wendyellé Abubakrh Alban NYANTUDRE

(No response)

5.0 How many times have you met with this team this cohort?

(No response)

5.1 Has the team shared with you/presented/achieved these mile stones:

The above is applicable to both Group and 1on1 format and the Session # (i.e. when they shared this) is of course up to you, so this has not to be done in order. The purpose is for us to be able to make sure we place the teams in the correct mentoring format the next cohort.

No Responses Selected

6.0 Were you able to collectively agree on goals and/or milestones during the sessions?

(No response)

7.0 What level of progress would you say this team has achieved in terms of understanding their target market?

(No response)

8.0 How coachable is this team?

(No response)

9.0 How committed to the project is this team?

(No response)

10.0 Did this team identify an initial target market, customer type or early adopter?

(No response)

10.1 Did this team pivot?

(No response)

10.2 Did the team conduct customer interviews (not online surveys)?

(No response)

10.3 What stage is the team currently at in their product development? (pick the most advanced choice)

(No response)

10.4 If any team members apply for a summer stipend, would you recommend they receive it?

(No response)

11. If they request more funding would you support their request?

(No response)

12. Did your team share with you their plans for next cohort , in particular their request for additional funding from Explorer including a high-level project/budget plan?

(No response)

13. Did the team present a 5-minute pitch to you?

(If **no**, please elaborate under question 16 why AND make sure you answer No to question 12)

(No response)

14. If you support their application for additional funding, do you think they are ready to pitch to the Funding Board for a cumulative amount over 50.000 Dhs?

(No response)

15. Would you like to continue mentoring this team through the next cohort?

We would like to keep as many teams working with their current mentors as possible throughout the calendar year.

(No response)

16. Please elaborate on your answer above and provide general feedback to help us understand the progress this team has made this cohort.

(No response)

17. Please provide feedback that we can share with the teams (This can be duplicate from the previous question).

(No response)

Explorer Self-Assessment and Continuation Plan

Completed - Aug 16 2025

If this is your first cohort, see instructions [HERE](#).

If this is **NOT your first cohort**, see instructions **HERE**.

Explorer Continuation Application and Self-Assessment Form

Please fill out all required fields before submitting your self-assessment.

Self-Assessment

Team Information

Team ID: ExID-23F-4486379458

Team Name: LMS INVENTION/DIGITALISATION & INDUSTRIE 4.0/LMS

Team Members: Zakaria SANKARA Yahaya MIKALIA, Nafissatou ZOETYANDE, Wendyellé Abubakrh Alban NYANTUDRE

Team Members Emails: sankarazakaria97@gmail.com mikaliayahaya24@gmail.com, nerkietanafissatou.zoet@gmail.com, a.nyantudre0035@uca.ac.ma

General Explorer Participation

Please answer these on behalf of your entire team.

1. Did you change team members during the cohort (added or deleted team members)?

No

2. How often has your team met with your mentor(s)?

Over 4

3. If you have not met with your mentors(s), please explain why?

(No response)

4. Has your team found your Explorer mentor(s) to be beneficial?

Very much

5. What is the one thing (ONLY ONE please) you found most helpful about your mentor(s)?

very help us to design our roadmap for go to market

6. What is the one thing (ONLY ONE please) that you would like to change about your mentor(s)?

To give us more advice

7. How many unique workshops/webinars/pitch-a-thons offered by Explorer did your team attend (if two or more attended the same one, count it as 1)?

8 or more

8. Did your team find the Explorer workshops/Webinars helpful?

Yes

9. Did you use the Explorer Expert office hours and if so, did you find them helpful?

Yes, we found them very helpful

Team Progress

Please tell us about your progress and achievements.

These questions are merely key milestones in the commercialization activities and our objective is to understand where you are in that process.

Entrepreneurship is not linear and every idea/company needs to focus on what is most important/critical with regards to the technology and market development.

10. Did you have a major pivot?

No

11. Please describe the nature of the pivot in 500 characters or less.

(No response)

12. What would you say is your team's major challenge?

Product Cost/Pricing

13. Is your current value proposition still valid?

- Digitalization
- Optimization of processes
- Training courses
- Offering ingenious systems
- Technical and economic study of products or projects
- Problem problems engineering

No, please revise (200 characters or less): Turning any standard fridge to smart fridge

14. How many times did you revise your Lean Business Model Canvas AND share those revisions with your mentor(s)?

4

15. How much primary market research have you completed?

A great deal

16. Do you have well defined customer segments?

Yes

17. Have you identified an initial target market or customer type?

Yes

18. Have you identified an early adopter?

Yes, and they have committed to try our solution (e.g. pilot customer or letter of intent)

19. Do you have an estimate of the size of your initial market?

300000

20. Do you have an estimate of the total addressable market for your product/solution?

300000

21. How many prospective customers has your team interviewed by phone or in person?

1-10

22. Have you run online or written customer surveys and/or focus groups and if so how many responses have you received?

We received no responses

23. Do you have a working prototype (e.g. MVP)?

Yes

24. Do you have paying users/customers?

No

25. Is your idea patentable?

Yes, and we have not filed yet

26. What core skills does your team still need to develop the technology?

We are currently recruiting

27. Are there any other achievements you would like to share (e.g. revenue, partnerships, licensing deals, etc.)?

Thanks

27.1 In the past cohort (or any previous cohorts) have you put in a request to Explorer to spend some or all of you allocated funding (regardless if it was allowed or not)?

10000

28. Do you have a pitch deck? (if so, please include a link to it here)

https://drive.google.com/file/d/1DbAKsdnnQBom5iLWXDsk9jvproM_bBxI/view?usp=sharing

29. Do you have a website? (if so, please include a link to it here)

<https://aicecook.lms-invention.com/>

Next Cohort Plans

Please tell us about your plans for the next cohort.

30. What are your plans for Explorer in the next cohort?

Reapply for next Cohort and continue with a request for additional funding

31. Will your team meet the eligibility criteria (i.e. at least one member of the team has to be a full-time student, researcher or post-doc at UM6P, GEP, MASciR, 1337, YouCode, Cadi Ayyad, Hassan II, Mohammed V, PASET, Al Akhawayn or Technopark)?

NOTE: Due to UM6P policies, Explorer [no longer accepts eligibility from staff](#) (only students, researchers and post-docs). If you are a continuing team, you may continue filling this application, but you no longer are able to request additional funding. Please contact explorer@um6pventures.com with any questions. Note that a staff member can be on a team where the main applicant is a student, researcher or post-doc from an eligible institution.

Wendyellé Abubakrh Alban

Continuation Explorer Innovation Fund Application

Completed - Aug 17 2025

Explorer Innovation Fund Application Form

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Category Selection

1. Please select which fund you are applying for:

Explorer Innovation Fund Between 0 - 50.000 Dhs

Terms and Conditions

1. Terms and Conditions

1.1 Program Timeline

Applications deadline: September 1st, 2025

Cohort active: October 2025 - February 2026

Responses Selected:

I agree to the program timeline

1.2 Explorer Participation Guidelines:

I have read and understood the Explorer Participation Guidelines and by choosing yes below I agree and certify that I will abide by the Explorer Participation Guidelines and I will ensure that my team will also abide by the Explorer Participation Guidelines. The Explorer Participation Guidelines can be found at the link below:

[Click Here to see Explorer Participation Guidelines](#)

Responses Selected:

Yes

Project/Company Information

2. Project/Company/Team Information

2.1 Company/Project/Team Name

LMS INVENTION

2.2 If your company/team name has changed since you first applied to Explorer, list any previous names

LMS INVENTION/DIGITALISATION & INDUSTRIE 4.0/LMS

2.3 How many people are on your team?

(Please include yourself in the count. It's OK if the answer is 1)

4

2.4 Provide a URL to your project/company website if you have one

<https://aicecook.lms-invention.com/>

2.5 Upload your team/company logo

This helps you be more memorable when we share your information with our sponsors. We encourage you to upload an image that represents your company if you have one.

[LOGO LMS INVENTION.png](#)

Filename: LOGO LMS INVENTION.png **Size:** 0 Bytes

2.6 Select up to three keywords that apply to your business venture.

Please place them in order of relevance where 1 is the most relevant. Please drag the numbers 1, 2 and 3 on the relevant areas. If you do not make any selections, this will impact the ability of the reviewers to review your application.

if you can't drag the numbers, then make sure you are using a laptop or contact explorer@um6pventures.com for help

1	Information Technology
2	Artificial Intelligence
3	Internet of Things

Please confirm that you have made ALL three area selections above.

Responses Selected:

I have made all three selections

2.7 Proposed business model

B2B2C (Business to Business to Consumer)

2.8 Target Market

Responses Selected:

Morocco
Africa
Global

2.9.a Did your idea come out of your institutions research or project (e.g. your thesis)?

If yes, you will need to get sign-off from the UM6P Technology Transfer Office (TTO) or your organization. Please contact the Explorer office if you have any questions.

No

Proposal Details

3. Proposal Details

Well thought out and written descriptions, in English, of the items below. One liner/sentence descriptions, or incoherent descriptions will result in immediate rejection of the application. Please make sure to put clear thought in your writing and run it by colleague(s) and/or mentor(s) beforehand.

3.1 Problem/Need Addressed by Technology

(150 word maximum)

The technology addresses key issues in modern households:

Food Waste: Many households discard significant amounts of food due to poor stock management or forgetting expiration dates. Our solution tracks expiration dates and suggests recipes based on available ingredients to minimize waste.

Stock Management: Managing daily food supplies can be challenging and time-consuming. The technology simplifies this by offering personalized shopping lists and real-time visibility of fridge contents.

Menu Planning: Deciding what to cook based on available ingredients is often difficult. The technology provides tailored, healthy menu suggestions based on the user's food preferences and fridge inventory.

3.2 Proposed Solution

Provide a description of your proposed solution (150 word maximum)

Our proposed solution is the Instant Connected Fridge (ICF), an advanced smart refrigerator system that integrates connected sensors and AI technology. ICF offers real-time visibility of fridge contents, tracks expiration dates, and suggests recipes based on available ingredients to reduce food waste. The accompanying mobile app generates personalized shopping lists and allows users to manage and order groceries seamlessly. This integrated approach streamlines food management, supports healthier eating habits, and promotes sustainable living, addressing common household challenges with convenience and precision.

3.3 Who is Your Competition?

Companies, Products and/or Technologies (150 word maximum)

Our competition includes several key players in the smart appliance market:

Samsung: Their smart refrigerators offer features like internal cameras and inventory tracking, but often lack comprehensive recipe suggestions and integrated shopping solutions.

LG: LG's smart fridges provide remote management and inventory tracking. However, they may not offer as extensive AI-driven recipe recommendations or tailored shopping lists.

Whirlpool: Whirlpool's smart refrigerators include inventory management and energy monitoring but may not be as advanced in integrating AI for recipe planning or seamless grocery ordering.

Amazon Fresh and Instacart: These grocery delivery services offer convenient ordering but do not integrate directly with users' fridges for real-time inventory management or recipe suggestions.

3.4 Describe your team and your team's strengths.

It is strongly recommended that you have at least one teammate (Group size of 2 or more). Please note: all teammates listed here should also be listed on the members section of the application home page (150 word maximum)

MIKALIA Yahaya: Electrical Energy and Digital Industry Engineering at ENSAM Rabat UM5

SANKARA Zakaria: Electromechanical Engineering, industrial control and management option, Digitization and Industry 4.0

ZOETYANDE Nerkîèta Nafissatou: Industrial Engineering, Logistics and Digital Industry of the Future option, ENSA Kenitra and EILCO France

Wendyellé Abubakrh Alban NYANTUDRE: AI Engineering in ENSA Safi

Coming from different university backgrounds and different cultures, our team is made up of dynamic and motivated young people who want to contribute to the building of our countries. Through our startup, we aim to promote youth entrepreneurship and help reduce the unemployment rate.

3.5 What do you hope to gain from participation in Explorer?

What are your goals and what do you hope to achieve with Explorer funds and resources? (150 word maximum)

Our goal in this cohort is to go to market with our project, to make our business known to the general public, to meet

people like us in order to benefit from a sharing of experience, to have financial resources to carry out our project.

Above all, we want to learn the good manners of entrepreneurship in order to know how to attract investors and convince customers.

By joining Explorer funds and resources, we hope to achieve these goals by having experienced mentors to guide us, financial funds and an entrepreneurial community

3.6 Do you plan to use any of your funds as for a summer stipend ?

- Up to two team members can request up to 2.000 Dhs/Month for a maximum of three months during the summer
- Only Students are eligible and will be employed as interns with UM6P
- The team members **MUST** be planning on making working on the project their highest priority during the summer.
- Potential interns **MUST** have authorization from their academic departments to allow them to take an internship during the summer
- Team will have to make a presentation to Explorer to justify the request
- **If you plan to request a stipend it should be clearly INCLUDED and JUSTIFIED in your budget. Separate line items should be included for each student requesting a stipend. (On Explorer Team Budget Plan)**

Yes

3.7 Do you plan to use any of your funds for international travel?

We encourage teams to find other sources of funds for international travel. However, if you do plan to use Explorer funds for international travel, please list all of the travel details below, including travelers, destination, and estimated cost.

Due to COVID-19 restrictions, we follow all UM6P policies.

No

One Page Pitch

4. One Page Pitch

4.1 Information Release

The responses in this section are for public use. We will be sharing these with sponsors and potentially the general public. Make sure that you are comfortable sharing whatever you include here.

Responses Selected:

I give permission for the information below and the personal information (Name, Email address, Phone number) to be shared publicly

4.2 Value Proposition

Limit your response to 20 words

Turn any standard fridge to smart fridge that reduces food waste, simplifies stock management, offers personalized recipes and shopping lists.

4.3 Problem Addressed

Limit your response to 50 words

The Instant Connected Fridge AICECOOK addresses food waste, stock management challenges, and menu planning difficulties. It offers real-time inventory tracking, expiration date monitoring, and personalized recipe suggestions, while simplifying grocery shopping through integrated lists and ordering options, enhancing both efficiency and sustainability in food management.

4.4 Proposed Solution

Limit your response to 50 words

The Instant Connected Fridge uses sensors and AI to track inventory, monitor expiration dates, and suggest recipes. It integrates a mobile app for personalized shopping lists and seamless grocery ordering, optimizing food management and supporting sustainable, efficient kitchen practices.

Funding Details

5. Funding Details

5.1.a Have you received Explorer funds for this venture idea in the past?

Yes

Total Amount (in Dhs).

This is the total amount you have been awarded so far for this project by Explorer in all previous cohorts regardless if you have spent any of it or not.

95000

5.1.b How much did you spend already?

Please enter numerals only. Do not add any symbols or punctuation. Amount must be in Dhs.

This amount is the total that you have already spent or has already been approved for spending by Explorer. For example, if you have already spent 5000 Dhs and Explorer has approved a purchasing request for 2000 Dhs, then this box should contain 7000 Dhs.

20000

5.2 Current Funding Request (This proposal only, must match your budget)

Please enter numerals only. Do not add any symbols or punctuation. Amount must be in Dhs.

This amount should include your remaining funds from previous cohorts (Question 5.1a - 5.1b). For example, if you were awarded 20000 Dhs previously (5.1a) and you have spent previously 8000 Dhs (5.1b) AND for this cohort you are asking for an additional 15000 Dhs, then the answer to this question is $(20000 - 8000) + 15000 = 27000$ Dhs. This amount should be in your budget that you will fill out.

100000

5.3 Potential Cumulative Explorer Funding

120000.0 Dhs

5.4 Have you received, or are you concurrently applying for additional sources of funding?

Explorer teams may have up to 500.000 Dhs in prior investment funding and concurrent investment funding to be eligible for participation. Please list all sources of funding you have received, including prior Explorer funds (if any) and any other funds on or off campus.

Please note: if you are concurrently applying for other sources of funding, please notify us at when you receive the funding decision.

No

5.5 Other Funding

	Funding Source	Name of Funding Source	Amount (Dhs)	Status	Click to add additional source
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Continuation Explorer Team Budget Plan

Explorer Team Budget Plan Form

Explorer Team Budget Plan

Team ID: ExID-23F-4486379458

Team Name: LMS INVENTION LMS INVENTION/DIGITALISATION & INDUSTRIE 4.0/LMS

1. If you do not have a budget and are applying for mentoring only and need help with creating a financial plan please click the appropriate box below (you will not be required for fill out a budget).

Responses Selected:

I want to submit a budget

2. Software

	Short Description	Amount (Dhs)	Click to add item
1		0	✕

Software Total: 0.0

3. Hardware

	Short Description	Amount (Dhs)	Click to add item
1	Design and fabrication of the PCB(Printed Circuit Board)	75000	✕

Hardware Total: 75000.0

4. Web/App Development

	Short Description	Amount (Dhs)	Click to add item
1	Web app development and cloud service	25000	✕

Web/App Development Total: 25000.0

5. Materials and Services

	Short Description	Amount (Dhs)	Click to add item
1		0	✕

Materials and Services Total: 0.0

6. Advertising and Marketing

	Short Description	Amount (Dhs)	Click to add item
1		0	✕

Advertising and Marketing Total: 0.0


7. Travel

	Short Description	Amount (Dhs)	Click to add item
1		0	✕

Travel Total: 0.0

8. Other Expenses

(list stipend requests here if you are requesting any, see question 3.6 on the application)

	Short Description	Amount (Dhs)	Click to add item
1		0	

Other Expenses Total: 0.0

Project Total: 100000.0

In section 5.2 of your application form, you said your funding request was: **100000** (continuing team) or **0** (new team) - as a reminder, this number must match the Project Total above. By selecting **Mark as Complete**, you confirm these numbers match.

IF THE NUMBERS DO NOT MATCH, THIS WILL RESULT IN YOUR BUDGET NOT BEING APPROVED.

Funding Board Review Stage (New Applications) for: loubna fatine

Completed - Mar 27 2024

Score: 5% (5/104)

Review Task Form

FUNDING BOARD MEMBER (your name): loubna fatine

email: fatineloubna@gmail.com

Team ID: ExID-23F-4486379458

Team Name: LMS INVENTION/DIGITALISATION & INDUSTRIE 4.0/LMS

Applicant: Zakaria SANKARA

Team Members: Yahaya MIKALIA, Nafissatou ZOETYANDE, Wendyellé Abubakrh Alban NYANTUDRE

Value Proposition: - Digitalization

- Optimization of

processes

- Training courses
- Offering ingenious

systems

- Technical and economic study of products or projects

- Problem

problems

engineering

Problem Addressed: -Lack of actual monitoring of production processes

- Production process problem
- Waste of energy due to production stoppages
- Difficulties in accessing dangerous areas
- Performing dangerous and repetitive tasks
- Disabled people

Proposed Solution: The Instant Connected Fridge uses sensors and AI to track inventory, monitor expiration dates, and suggest recipes. It integrates a mobile app for personalized shopping lists and seamless grocery ordering, optimizing food management and supporting sustainable, efficient kitchen practices.

MENTOR REVIEWERS RECOMMENDED AMOUNT(S) AND JUSTIFICATION:

REVIEWERS: Bilal Baguennou, Marwane Guerni

AMOUNT JUSTIFICATION FROM REVIEWERS:

- no funding requested
- No funding was requested

REQUESTED AMOUNT FROM CANDIDATE (as interpreted by Reviewers):

- 0
- 0

RECOMMENDED AMOUNT BY REVIEWERS:

0, 0

Invite to Mock Funding Board?

NO

RECOMMENDED FUNDING LEVEL:

No Funding

Internal Feedback (if any, to EXPLORER Administration):

From Initial Review Stage:

-

From Mentor Review Stage:

- Large scope => narrow the target market
Very big team ..what about leadership? and governance?
- Although interesting and with great potential, the idea in its current form is not necessarily that of a startup but more of a classic company. The team is diverse and looks strong and ambitious so that is a great plus but there is no specific idea or product so far.

- Large scope => narrow the target market

Very big team ..what about leadership? and governance?

- Although interesting and with great potential, the idea in its current form is not necessarily that of a startup but more of a classic company. The team is diverse and looks strong and ambitious so that is a great plus but there is no specific idea or product so far.

External Feedback (TO CANDIDATES):

- Large scope => narrow the target market
How decisions are made? Do you have a small board?
- Great Idea and Great team; might be interesting to sequence and articulate more.

- Great Idea and Great team; might be interesting to sequence and articulate more.

- Consider narrowing more your target market

- Work with your mentors on your customer discovery

Funding Board Review Stage (New Applications) for: Mohamed Ismail Ettabi

Incomplete

Score:

Review Task Form

FUNDING BOARD MEMBER (your name): Mohamed Ismail Ettabi

email: mohamedismail.ettabi@emines.um6p.ma

Team ID: ExID-23F-4486379458

Team Name: LMS INVENTION/DIGITALISATION & INDUSTRIE 4.0/LMS

Applicant: Zakaria SANKARA

Team Members: Yahaya MIKALIA, Nafissatou ZOETYANDE, Wendyellé Abubakrh Alban NYANTUDRE

Value Proposition: - Digitalization

- Optimization of processes
- Training courses
- Offering ingenious systems
- Technical and economic study of products or projects
- Problem problems engineering

Problem Addressed: -Lack of actual monitoring of production processes

- Production process problem
- Waste of energy due to production stoppages
- Difficulties in accessing dangerous areas
- Performing dangerous and repetitive tasks
- Disabled people

Proposed Solution: The Instant Connected Fridge uses sensors and AI to track inventory, monitor expiration dates, and suggest recipes. It integrates a mobile app for personalized shopping lists and seamless grocery ordering, optimizing food management and supporting sustainable, efficient kitchen practices.

MENTOR REVIEWERS RECOMMENDED AMOUNT(S) AND JUSTIFICATION:

REVIEWERS: Bilal Baguennou, Marwane Guerni

AMOUNT JUSTIFICATION FROM REVIEWERS:

- no funding requested
- No funding was requested

REQUESTED AMOUNT FROM CANDIDATE (as interpreted by Reviewers):

- 0
- 0

RECOMMENDED AMOUNT BY REVIEWERS:

(No response)

Invite to Mock Funding Board?

(No response)

RECOMMENDED FUNDING LEVEL:

(No response)

Internal Feedback (if any, to EXPLORER Administration):

From Initial Review Stage:

-

From Mentor Review Stage:

- Large scope => narrow the target market
Very big team ..what about leadership? and governance?
- Although interesting and with great potential, the idea in its current form is not necessarily that of a startup but more of a classic company. The team is diverse and looks strong and ambitious so that is a great plus but there is no specific idea or product so far.

(No response)

External Feedback (TO CANDIDATES):

- Large scope => narrow the target market
How decisions are made? Do you have a small board?
- Great Idea and Great team; might be interesting to sequence and articulate more.

(No response)