# Basic Details of the Team and Problem Statement

for development of

**Technologies for Primary Processing, Storage and Valorization of Onions**

Track: 2)

Participant Category: Unregistered Startup / Consultancy
Name of business: Akaash Open Enterprise Centre

Vertical Title: Primary Processing and Grading
Idea Title: Onion Investiture
Team Name: AOEC

Team Leader Name: VENKATRAM K S

No. of Team members: 3

Team Mentor (if any): SUJENDRA RAJU (GURURAJ FARMS)

# Idea/Approach Details

➢ **Novelty:** We recommend Formalizing investment of the farmers growing onions with a ranked desensitization of the dynamics affecting the crop, its seed to harvest lifecycle, its storage and continuous relationship for any systematic study and research track. We focus on the **Systematic study to help grading of the Onion crop and the lifecycle in this submission**.

Supporting this formalization is our vision to help the 'onion farmer' grow into a 'global onion Investiture' to thereon integrate into a roadmap for greener and asset like agriculture.

The term Investiture is a formalized investment or vested practice to help an onion farmer develop essentially global, green core and Climate Change Mitigation and Adaptation (CCMA) methodologies.

➢ An Onion Investiture will incorporate Business research methodologies (or BRM Systemic flow) like

1. Codification of farmer, farm and crop data,

2. Macro and Micro strategy development

3. Statistical analysis, 4. Data transcription for multiple language support

5. Data classification, 6. Data Tabulation, 7. Data Representation

8. Data Analysis, 9. Statistical Hypothesis and its assessment

10. Factor Analysis, Conjoint Analysis and Cluster Analysis

11. Research Application, Surveys and Reports to help sensitize the onion farmer, prepare and systemically invest for Continuous relationship surveys and CCMA

➢ Web platform, Cloud Computing, Knowledge Management Systems, Expert Systems and Business Research Methodology Systems.

# Idea/Approach Details

### Describe your Use Cases here

➤ The use case we intend is to add a Continuous Relationship Table to the primary processing stage and harvest of the onion crop, where the concept helps what we call as Ranked desensitization for the dynamics affecting the onion crop. Our idea helps next-step agricultural risk mitigation.

The problem being identified is that regular grading and the lack of any macro and micro level strategy will not help onion farmers desensitize their crop lifecycle to reduce "losses and what we predict as ineffective crop-quality identification".

The Onion Challenge idea is better illustrated in the proof of concept website called "Preserve our Agricultural communities", the URL being: www.venkataoec.wixsite.com/poac

### Describe your Dependencies

➤ We first propose that onion farmers be made "Onion Investitures" that incorporate Business research methodologies (or BRM Systemic flow) to help the primary processing and harvesting stage of the crop.

To implement this systemic flow, we need to register the onion farmer into a Portal and enable the BRM Systemic flow where this would mean data gathering, processing and reporting of attributes that could be used in crop-quality identification. We term our identification as Ranked quality that augments the current Grading being done.

# Effective Crop-quality identification

**Projected target segments:**

Segment 1: Farmer or grower societies, call centres, contact centres, surveillance centres

Segment 2: Large and medium scale farmers or growers who are tech-savvy and interested in safe, green and sustainable practices

Segment 3: Small-scale or poor/uneducated farmers or growers who are not tech-savvy but need their farming practices to be sustainable and adept (keeping in mind the global warming and climate change problem that is setting in)

Segment 4: Exclusive or selective farmers or growers interested in case to case assessments for sustainable development & growth

Segment 5: Farmers without (clearly entitled) land holdings

The crop-quality identification's complexity for each segment or farmer will depend upon

A.    Positive influencers such as Ownership, Ingenuity and Compliance

B.    Negative influencers such as Climate change, Location dynamics, farming practices and lack of Dynamics-management Knowledge

We propose the incorporation of Business research methodologies (or BRM Systemic flow) for ranked crop-quality identification.

The roadmap for the NEXT Step programme focuses on transparency that helps departments of agriculture, contact management teams, field experts, agriculturists, prospective investors and other parties know about the proposed Onion Investiture projects and other strategic involvements. The programme incorporates Gap analysis for effective project management and implementation of dashboards for each of the projects. AOEC will help via an Associated knowledge base that helps in: a. Making the onion investiture projects sustainable (part of the solution offering) b. Making the onion crop quality and  its value added products sustainable (part of the solution offering) c. Achieving Sustainable Project Management (part of the solution offering) d. Project Completion Dashboard (abstract in Templates section) e. Project History Dashboard (part of the solution offering

# Effective Crop-quality identification

The Onion Investiture programme understands the liability for proper Governance, Quality Management and Relief & Rehabilitation in each project, so includes the following Associated components: a. Project Training Tools (part of the solution offering) b. Project Profiling, Management and/or Maintenance Tools (part of the solution offering) c. Agile Diagnostic Tools to report issues, complaints, feedback (part of the solution offering) d. BRM implementation tools (part of the solution offering) e. Project Impact Dashboard (part of the solution offering) f. Project Status Dashboard (part of the solution offering) g. Value integration Indicators (part of the solution offering). Today's grading will not ensure the onion crop losses are controlled by an investiture programme.

The effective crop-quality identification will empower the farmer to announce tagged / ranked compliance for sustainable logos such as

Ranked:

Ranked:

Ranked:

Ranked:

Ranked:

Ranked:

Ranked:

Ranked:

Ranked:

Ranked:

Ranked:

To enable Relief and Rehabilitation AOEC envisions the design of "Skill India venture" CCMA-Trusted Glass-houses that are Paneled for Ranked / Time tested performance, Assured & secure-quality and Value for money by reducing climate change impact

# Effective Crop-quality identification

The Onion Investiture programme and steps to be completed:

1. **Account registration**, work in progress refer page 10 of linked know more document

2. Examine the farmer and farms relations, work in progress

3. Categorize the investment, incorporating investiture-tags, work in progress

4. Controlling costs of cultivation, bettering yield work in progress

5. Balance support for demand and supply, work in progress

6. Onion one among the natural products for health (TBD)

7. Guidance for BRM systemic flow,  Surveyed Data Integration,
   Management Index Regulation /  CCMA Problem solving

8. SMART solutions for Cost effective Grading in Onion challenge
   - ❑ Specific –  Skill India CCMA-Glass-house protected position/propagation
   - ❑ Measurable- Harvesting via Disaster Risk Probability / Investiture techniques
   - ❑ Achievable – Ranked plus graded quality via BRM practices
   - ❑ Relevant – Storing via investiture workflow and video composition
   - ❑ Time oriented -  Knowledge Management & Desensitization for climate change

**Account Registration**

Register to participate

Know More

**Begin with Relation Examination**

Assess your relation and influences

Know More

**Categorize your investments**

Describe your investments

Know More

**Controlling costs of cultivation**

Secure Your Agri Business

Know More

**Fast Track Market**

Towards sustainable demand & supply

Know More

**Herbs and Natural products for Health**

Simple Cognitive Healthcare

Know More

**Centre or Provider**

Guidance for Surveyed Data Integration, Management Index Regulation / CCMA Problem solving

Know More

# Team Member and Mentor Details

**Zero equity, Small Office Home Office (Private) Consultancy**
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**Vision statement:** Grid methodologies, operating climate engineering solutions and management systems are involvements of conviction that may help our tomorrows
**Freely-coupled Team:** **K S Venkatram** (Gap Analyst, consultant, main implementor), **Aakkash K V** (product analyst associate, BRM analyst associate, part of AOEC as family member), **Sujendra Raju** (mentor, independent proprietor/organic producer, consultant, experienced representative)
Stage 1: Costs to be borne for short term trial Web platform, Cloud Computing, Knowledge Management Systems, Expert Systems and Business Research Methodology Systems
Stage 2: Costs to be borne for commercializing short term trial platforms and systems
Stage 3: Costs to be borne for Relief and Rehabilitation functions like the CCMA Trusted Panelled Glass House, Special methodology incorporation for tagged / ranked compliance for sustainable logos Group4Drone incorporated analysis