Krishi Vigyan Kendra, Kannur
Kerala Agricultural University
Panniyur, Thaliparamba

KVK/KNR/514/08 (1) dt.5-5-14

CERTIFICATE

This is is to certify that Dr. K. Abdul Kareem had worked as Professor & Head at Krishi Vigyan Kendra, Kannur from 1st January 2005 to 13-09-2013 and during his tenure here as the head of KVK he has evolved several innovations and initiatives in agricultural extension, which created powerful impact on the agricultural development process of the district and beyond even at national level as detailed here under.

Additional Credentials of Dr. K. Abdul Kareem, Professor & Associate Director, RARS, Pilicode

1. **Innovations/Initiatives, which created Impact**

- **Developed and field tested – a new farmer participatory extension approach named as Compact Area Group Approach**, which is now popularly known by its acronym, **CAGA**. CAGA promotes and sustains group action in a contiguous area for durable adoption of technologies. CAGA was successfully implemented in *Pariyaram* panchayat limits for control of coconut mite. CAGA can be replicated for solving similar problems in other areas.

- **Pioneered a new branch of agricultural extension called as "Creative Extension"** (2006) (Details available in Wikipedia), aimed at bringing about behavioural modification through message transfer in art form to satisfy the entertainment needs of farmers in our communication for agricultural development. The tool produced (cine drama) is adopted by the state department of agriculture. The prevailing situation in states like Kerala calls for a change in message treatment that combines information and entertainment needs of the audience, in the form of songs, drama, tele-film etc., and that ensures reusability and repeated exposure

  - Conceived and produced a tele-film/ cine drama, ***Thengukalude Nilavili,*** the first of its kind in agricultural extension aimed at bringing about changes in the mindset of farmers. The CDs of *Thengukalude Nilavili* reached every gramapanchayat */Krishi Bhavans* of Kerala

  - Conceived and produced two volumes of **agricultural songs entitled, *Vayalkili*** – Volume 1 as audio cassette and Volume 2 as CD

  - Conceived and produced **animal husbandry songs, entitled, *Thenkili*** (2008)

  - Conceived and produced animal husbandry video albums (songs + scenes)

- Besides audio and video CDs under Creative Extension, 14 video CDs under e Extension series are brought out on diverse topics as follows:
    1. Management of Stem Bleeding of Coconut
    2. Coconut Mite
    3. CAGA-Compact Area Group Approach
    4. Rope culture of Green Shell Mussel
    5. Irrigation Methods in Coconut
    6. KAU Micro-sprinkler Irrigation
    7. Banana Fibre Extraction and Handicrafts
    8. Banana Products
    9. Vermi composting
    10. Organic Manures
    11. Nursery Technique 1
    12. Nursery Technique 2
    13. Scientific Goat Rearing
    14. Medicinal Plants
- Conceived and produced **mushroom songs, entitled, *Koonpattukal***

- Created several success stories such as **PADDY TASK FORCE (PTF)** – (The Solution to Farm Labour Shortage in Kerala) – **the first ever mechanized labour force in Kerala** (2007)- ***Planning Board Recommended PTF for Statewise Adoption***

- Conceived and organized **the first team of coconut technicians** with the support of GoK

- Conceived and organized the **first ever "Farmers' Science Congress"** (Feb 2008)

- Conceived and established the **first ever "Farmers' Science Museum"** -that too in the name of a farmer, Dar. M.J. Joseph (May 2010) –

- Conceived and introduced several innovative initiatives, such as **first ever SBI-KVK loan Window, KVK Mall, Farmers' Mall etc** to promote value addition technologies in agriculture and entrepreneurship

- Conceived and introduced the innovative concept of **agro-biopharmacy** to promote organics in agriculture at KVK Kannur

- Conceived and organized the innovative concept of federation of farmers' clubs, called, **"Federation of NABARD-KVK Farmers' Clubs"** with the support of NABARD. (80 farmers' clubs were organized into a federation with farmers' science division, farmers' extension division, farmers' training division, processing division etc)

- Established the largest rain water harvesting system-**Sub surface Dyke**- in Malabar region of Kerala with the support of ICAR at KVK Kannur- 2007 (Details available in Wikipedia)

- Developed a machine to produce smoking (rubber sheet) stick from coconut coir pith with the support of NABARD at KVK Kannur

- Conceived and developed agro info kiosk with the support of SHM. Content generated for 14 crops (2008)

- Promoted Green Shell Mussel Farming in Kannur District, as a potential subsidiary occupation for resource poor farmers (2006-07)

Signature of the applicant
Name and Designation

Date:5-5-14

Approval by the HoD/ Head of the Institution

for,

PROGRAMME CO- ORDINATOR,
KVK, KANNUR

