

Nurturing Entrepreneurial Ecosystem through Agri-Business Incubation Activities in Livestock Sector

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Agri-business Incubation (ABI) centre at ICAR-Indian Veterinary Research Institute, Izatnagar is mandated to create an ecosystem for entrepreneurship development in diverse areas of Animal Science Sector. Entrepreneurship development training programmes (EDPs), Incubation facilities and further follow to create complete value chain is the main focus of ABI at this Institute.

Key words: Agri-business Incubation, Pig-farming, Udyog Aadhar

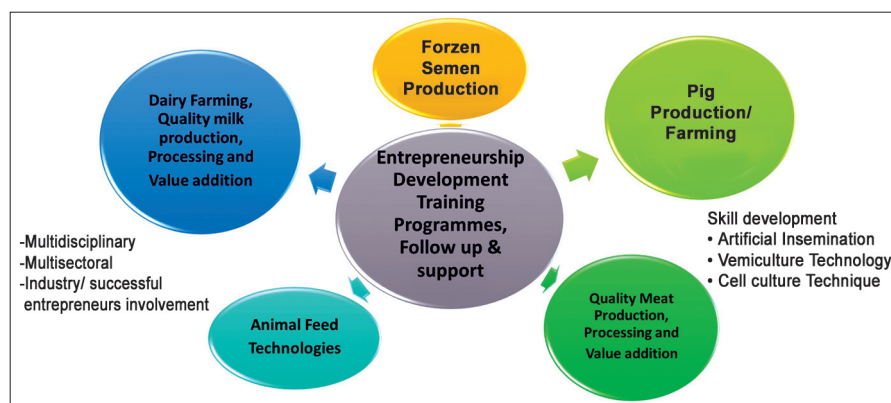
ICAR-INDIAN Veterinary Research Institute Agri-business incubation (ABI) centre is involved in conducting a series of “Entrepreneurship and Skill Development Programmes (EDPs)” with the support of competent resource persons of the Institute, experts from aligned department and successful entrepreneurs. These include EDPs on pig production, quality meat production, meat processing and value addition, frozen semen production, dairy farming and milk processing, vermiculture technologies, animal feed technology, cell culture techniques, virus handling techniques etc. In addition, long term orientation and incubation programmes for need based entrepreneurs and startups in livestock sectors are also being organized. This center is also planning to initiate new programmes as per the need felt in the areas of detailed project report formulations, nurturing entrepreneurs to become successful startups and intellectual property management. Number of entrepreneurs graduated through the EDPs started their own enterprises at a good pace. As a follow-up of all these programmes the ABI center at IVRI provides a platform for

interaction to all these entrepreneurs at the end of each financial year in the form of organizing Interactive Meet for entrepreneurs as mega event. The center has already supported to graduate about 335 entrepreneurs in animal science sector from different parts of the country. The center has also strived hard to establish a model to make the ABI activities financially self sustainable through its various activities. As a result Agri-Business Incubation (ABI) Centre generated more than ₹ 20 lakhs as revenue during the last two years exclusively from these activities.

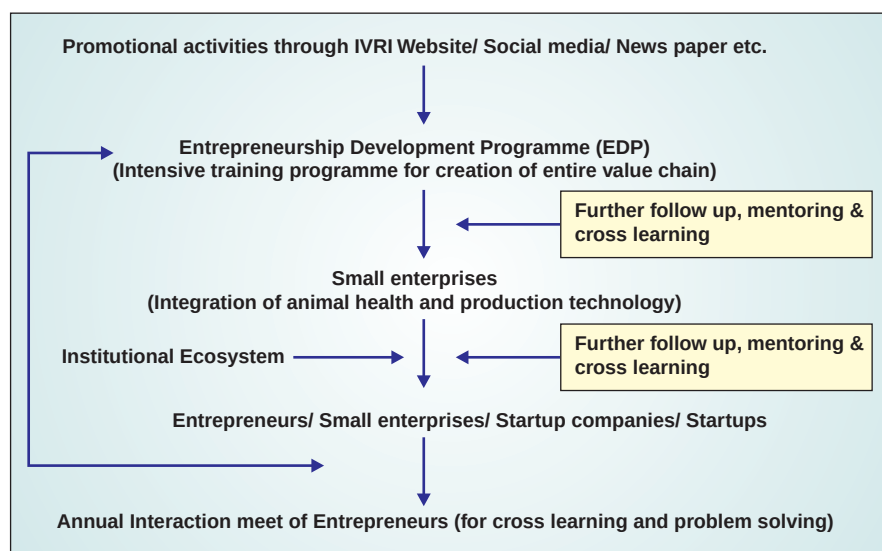
All the EDPs organized by ABI are multidisciplinary, multisectoral in

nature and also involve successful entrepreneurs as well as experts from financial institutions for creation of complete value chain in specific domain areas of animal science. Following EDP all the entrepreneurs are mentored by domain experts and also cross-learning within the group and through various various social media networks.

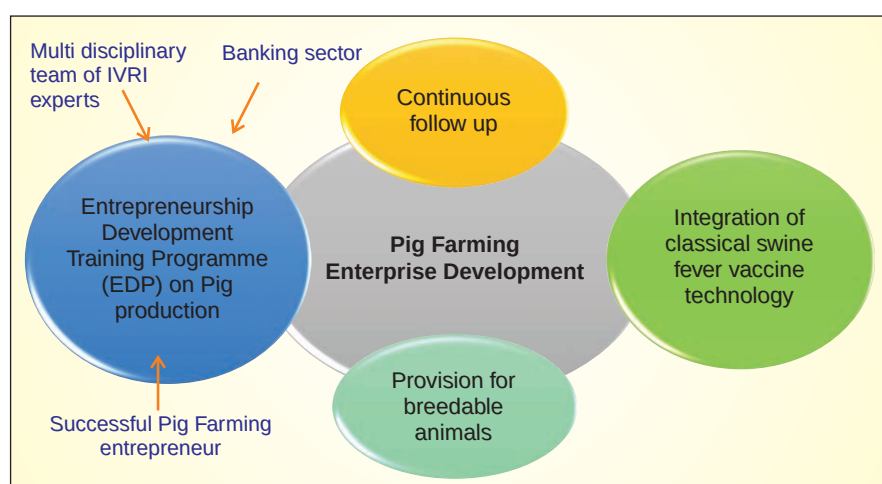
In additions a series of Institute Industry Interface meet have been organized for developing linkages between Academia, Industry and entrepreneurs at various locations of the country. This leverages strength of each other for development of better and vibrant entrepreneurial ecosystem. The prospective



Entrepreneurship Development Training Programmes (EDPs).



IVRI-ABI Model for Entrepreneurship Development.



Model for Pig Farming Enterprise Development under IVRI-ABI.

entrepreneurs in this process get acquainted with commercially viable technologies developed at institute and propagate.

Pig Production

The programmes on “Entrepreneurship Development through Pig Production” cover important topics which includes both theory as well as practical. These include Introduction to pig farming, selection and procurement of best animals stock, housing, management of various categories of pigs, balance feeding, use of unconventional feed and fodder for economic rearing of pigs, male and female reproduction, project proposal for small pig farm, financing, marketing and insurance of pigs. The practicals related to measures to maintain hygiene at pig farm, management and breeding, pig by-products utilization, record

keeping, measures to prevent and control the diseases, reproductive disorders in pigs and their remedies, identification systems (tattooing, tagging, marking), routine activities of pig farm, , attending farrowing and management of new born, feeding and management of various categories of pigs (piglets, weaners, growers, gilts, boars, finishers), restraining animals and first aid, preparing and maintaining records so that entrepreneurs can easily perform day to day activities of farm without any hassle are also demonstrated. In addition to domain experts provisions for interactions of entrepreneurs with successful entrepreneurs, banking sector, are also facilitated. Visits to successfully operating pig farms both in private and government sector are also arranged for the participants.

The impact of EDPs was

visualized as some of the trained participants started their own work within 30 days of EDP. Continuous technical support has been rendered to these entrepreneurs by Agri-Business Incubation (ABI) Centre and technical experts of IVRI. To provide identity and authenticity to these entrepreneurs registration through Udyog Aadhar (MSME) was encouraged.

Quality meat production, processing and value addition

Entrepreneurship development programme on quality meat production, processing and value addition is another important programme conducted under ABI which attracts lots of participants. The programme covers important topics, viz. entrepreneurship opportunities and overview of meat production and processing in the country , detailed project report for establishment of experimental abattoir, basic tools and equipment of slaughter house and their handling, detailed project report for establishment of meat processing plant and its requirements. Under this programme, topics of practical significance include basic tools and equipment of meat processing pilot plants and their handling, processing of meat for emulsion, enrobed, restructured, cured, smoked, shelf stable, convenient and traditional meat products, establishment of effluent treatment plant and by-product utilization plant, detailed project report for establishing meat quality laboratory, packaging and marketing of meat and meat products, business plan and project report preparation, how to start your own business, organic animal husbandry for quality meat, production of quality meat, cutting, processing and value addition, importance of personal hygiene in meat production and processing etc.

Agri-preneurship Incubation and Orientation programme through RKVY-RAFTAAR ABI scheme

To further promote and transform the entrepreneurial activity into startups GOI, DAC launched a programme RKVY-RAFTAAR to

Pig enterprise development: Success Story of an Entrepreneur

Er Pradeep Kumar, basically a mechanical engineer, started his business in January 2017 and initially undergone huge loss due to lack of proper scientific knowledge in pig farming and management practices. But he never gave up his hope. While searching for the apt solution, he came across one of the EDPs on Pig Production organized at ICAR-IVRI. He enrolled himself in this course organized under ABI scheme of IVRI. In that training programme he learnt about various technical aspects of pig farming along with creation of entire value chain which boosted his confidence to undertake the activity with rejuvenated vigor. He was in touch with various activities conducted at ICAR-IVRI under ABI like interactive session which helped in capacity building of manpower associated with his enterprise. He also admits that "YouTube videos and information on other social media platforms are not always much scientific to gather holistic knowledge to lead a successful business".

After getting trained from ICAR-IVRI, he started his own successful enterprise VDMR Agrotech Pvt Ltd Shikohabad main-UP which is having more than 400 pigs at present. Encouraged by the success of previous enterprise, he started other farm SSGT-kanthari, at Shikohabad-UP with more than 350 pigs. Recently he has started one more new farm at Mathura with 80 animals. He has employed more than 10 staff members.

Not only that, he has started working towards innovative solutions for the alarming problems of this industry. The escalating price of pig feed is making this industry less remunerative. For that he has innovated a low cost pig feed and has registered his company VDMR Agrotech and applied for seed funding from RKVY RAFTTAAR Agribusiness Scheme. For all his efforts, Er Pradeep was recently felicitated by Hon'ble Union Minister of Fisheries and Animal Husbandary.



possible. The ABI centre organizes a year long full-fledged entrepreneurship programme under the RKVY-RAFTTAAR scheme, Government of India. The centre is proactively working and designing courses as per the need of the entrepreneurs and startups in the animal science sector. To attain the perfection the centre runs on a continuous feedback mechanism which is collected after every session. The centre aims to transform every worthy startup in the domain into a successful venture while understanding this is one big audacious goal but that's the vision and the centre hopes one day to achieve the same through continuous Planning, Actions and Improvement.

support the existing ABIs as well as some new Incubators. Thus, IVRI पशु विज्ञान Incubator, also known as Agri Business Incubation Centre came into existence with the goal to create and enhance the startup ecosystem in the animal science domain. The ABIC acts as a

facilitator for small and large scale entrepreneurs by providing them research knowledge on the technical front as well as at business level. The centre is committed to give its hundred per cent by being proactive in the domain and take and pass on the opportunities from all the sources

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