



List of functional MoUs/linkages with institutions/ industries or internship, on-the-job training, project work, student/faculty exchange and collaborative research during the last five years

Year of signing MoU	Name of the organization with whom MOU/Collaboration being signed	Duration	Purpose of MOU/ Collaboration	List the actual activities under each MOU year-wise	Date of the activity conducted
17.02.2020	Acharya Narendra Dev University of Agriculture & Technology, Kumarganj, Faizabad	5 Yrs	For Students and Faculty exchange for the research/ dissertation work of the students	Student thesis work completed during 2021	13.12.2021
07.08.2021	Sardar Vallabhbhai Patel University of Agriculture and Technology (SVPUAT), Meerut	5 Yrs	For Students and Faculty exchange for the research/dissertation work of the students	Student thesis work completed during 2023	15.02.2023 and 07.02.2024
12.06.2013	Sam Higginbottom University of Agriculture, Technology and Sciences (SHUATS), Allahabad	10 years	For Students and Faculty exchange for the research/dissertation work of the students	Student thesis work completed during 2018, 2020, 2023	04.12.2018, 07.05.2018, 29.01.2020, 28.05.2022
24.07.2018	Mahatma Jyotiba Phule Rohilkhand University, Bareilly	5 years	For Students and Faculty exchange for the research/dissertation work of the students	Student thesis work completed during 2021, 2023	26.03.2021, 04.05.2023
11.07.2011	Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishwavidyalaya, Palampur, H.P.	15 years	MOU for Students and Faculty exchange for the research/dissertation work of the students	Student thesis work completed during 2021, 2022, 2023	31.08.2020, 04.12.2023
31.08.2012	U.P. Pt. Deen Dayal Upadhyay Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Ansundhan Sansthan or Veterinary College, Mathura	10 years	For Students and Faculty exchange for the research/dissertation work of the students	Two PhD scholars have completed their thesis dissertation work	2020, 2021

08.07.2013	West Bengal University of Animal & Fishery Sciences, Kolkata	10 years	For Students and Faculty exchange for the research/dissertation work of the students	Scientists of ERS IVRI, Kolakta act as student advisory committee members of West Bengal University of Animal & Fishery Sciences, Kolkata	2021, 2022, 2023, 2024
07.12.2014	Lala Lajpat Rai University of Veterinary & Animal Sciences, Hisar	10 years	For Students and Faculty exchange for the research/dissertation work of the students	BVSc & AH students of LUVAS, Hisar attend internship program at ICAR-IVRI, Izatnagar	2014, 2015, 2016, 2017, 2018, 2019, 2022, 2023
29.05.2015	Central Agricultural University (CAU), Imphal	10 years	For Students and Faculty exchange for the research/dissertation work of the students	One PhD scholar has completed their thesis dissertaion work	2021
01.06.2017	Assam Agricultural University, Jorhat, Assam	10 years	For Students and Faculty exchange for the research/dissertation work of the students	Two PhD scholars from Medicine Division have completed their thesis dissertaion work	2022, 2023
13.06.2017	Maharashtra Animal & Fishery Science University (MAFSU), Nagpur	10 years	For Students and Faculty exchange for the research/dissertation work of the students	PhD thesis completed as in-service candidate	2018, 2019
17.02.2020	Bihar Agriculture Science University, Patna	10 years	For Students and Faculty exchange for the research/dissertation work of the students	BVSc & AH students of ICAR-IVRI Izatnagar attend internship program at BASU, Patna	2020, 2022, 2023
07.08.2021	G.B. Pant University of Agriculture & Technology, Pantnagar	5 years	For Students and Faculty exchange for the research/dissertation work of the students	BVSc & AH students of GBPUAT, Pantanagar attend internship program at ICAR-IVRI, Izatnagar	2014, 2015, 2016, 2017, 2018, 2019, 2022, 2023

31.03.2022	ICAR-IIAB, Ranchi	5 years	For Students and Faculty exchange for the research/dissertation work of the students	Faculty from IIAB, Ranchi act as advisory committee members of ERS IVRI Kolkata; Faculty from IVRI ERS Kolkata act as adjunct faculty for some courses	2022, 2023
11.04.2022	AIIHPH, Kolkata	5 years	For Students and Faculty exchange for the research/dissertation work of the students	Scientists of ERS IVRI , Kolkata act as student advisory committee members of AIIHPH, Kolkata and students participate in research work for thesis submission	2022, 2023
27.09.2022	Remount Veterinary Corps and College, Meerut- For Category B Certificate courses	5 years	For Students and Faculty exchange for the research/dissertation work of the students	Initiation of category B Certificate courses	2023
24.01.2023	Remount Veterinary Corps and College, Meerut- for Category A Canine Medicine and Surgery (CMS) and Equine Sports Medicine (ESM)	5 years	For Students and Faculty exchange for the research/dissertation work of the students	Initiation of Diploma in anine Medicine and Surgery (CMS) and Equine Sports Medicine (ESM)	2022
27.03.2018	Department of Biotechnology, Govt. of India	3 years	For research work to execute the project Development and evaluation of multiplex assay for detecting canine mammary tumour associated biomarkers in clinical cases of canine mammary cancer	Research work to be executed under the DBT funded project as per committed objectives and timelines communicated to the funding agency	2018, 2019, 2020

18.05.2020	Department of Biotechnology, Govt. of India	3 years	For research work to execute the project Genomics assisted pathobiology to identify novel targets for diagnosis and therapeutic intervention(s) of Japanese encephalitis and Leptospirosis	Research work to be executed under the DBT funded project as per committed objectives and timelines communicated to the funding agency	2020, 2021, 2022
10.07.2023	Department of Biotechnology, Govt. of India	3 years	For research work to execute the project harnessing trained immunity to enhance vaccine mediated immune response and resistance against heterologous infections in chicken	Research work to be executed under the DBT funded project as per committed objectives and timelines communicated to the funding agency	2023, 2024
2023	Department of Biotechnology, Govt. of India	3 years	For research work to execute the project Deciphering the role of exosomes of haematophagous pathogen, Haemonchus contortus in host – pathogen interactions and possibilities of its therapeutics	Research work to be executed under the DBT funded project as per committed objectives and timelines communicated to the funding agency	2023, 2024
2017	Department of Biotechnology, Govt. of India	3 years	For research work to execute the project Studies on role of endophytes in variation of acaricidal properties of two acaricide producing plant species NBA22/FI and NBA18/DI from North Eastern States	Research work to be executed under the DBT funded project as per committed objectives and timelines communicated to the funding agency	2018, 2019, 2020
2013	Department of Biotechnology, Govt. of India	3 years	For research work to execute the project Elucidating the	Research work to be executed under the DBT	2014, 2015, 2016

			functions of epitranscriptomic modifications in Peste des Petits Ruminants Virus (PPRV) infections	funded project as per committed objectives and timelines communicated to the funding agency	
2017	Department of Biotechnology, Govt. of India	3 years	For research work to execute the project Development of rapid laboratory and field based assays for microbiological quality assessment of pork	Research work to be executed under the DBT funded project as per committed objectives and timelines communicated to the funding agency	2018, 2019, 2020
2023	Department of Biotechnology, Govt. of India	3 years	For research work to execute the project Trageting RIG-1 protein in pathologic abortions and preterm labour	Research work to be executed under the DBT funded project as per committed objectives and timelines communicated to the funding agency	2023, 2024
2018	Department of Biotechnology, Govt. of India	3 years	For research work to execute the project Regulation of corpus luteum function by locally produced angiogenic growth factors in pigs (<i>Sus scrofa</i>)	Research work to be executed under the DBT funded project as per committed objectives and timelines communicated to the funding agency	2018, 2019, 2020
2020	Department of Biotechnology, Govt. of India	3 years	For research work to execute the project Intelligent system for computer-assisted diagnosis (CAD) of canine mammary tumours	Research work to be executed under the DBT funded project as per committed objectives and timelines communicated to the funding agency	2020, 2021, 2022

2022	Department of Biotechnology, Govt. of India	3 years	For research work to execute the project Development of genome edited BHK-21 cells line to rescue Foot and Mouth Disease Virus Asia1 mutants	Research work to be executed under the DBT funded project as per committed objectives and timelines communicated to the funding agency	2022, 2023, 2024
2019	Biovet Pvt. Ltd., Malur, Karnataka and IAHVB, Bengaluru	3 years	For research work to execute the project Evaluation of glycoprotein E (gE)-deleted bovine herpesvirus-1 BoHV-1 as infectious bovine rhinotracheitis IBR marker vaccine candidate in cattle	Research work to be executed under the DBT funded project as per committed objectives and timelines communicated to the funding agency	2019, 2020, 2021
2023	National Bureau of Animal Genetic Resources	3 years	For research work to execute the project Network project on Animal Genetic Resources	Research work to be executed under the NBAGR, Karnal funded project as per committed objectives and timelines communicated to the funding agency	2023, 2024
2020	Uttar Pradesh Council of Agricultural Research	3 years	For research work to execute the project Formulation and evaluation of ethosomes a novel trans-dermal delivery system for enhanced antimicrobial and antidermatophytic effect of essential oils	Research work to be executed under the UPCAR, Lucknow funded project as per committed objectives and timelines communicated to the funding agency	2020, 2021, 2022, 2023
2023	National Institute of Veterinary Epidemiology and Disease Informatics	3 years	For research work to execute the project National Animal Disease	Research work to be executed under the NIVEDI, Bengaluru	2023, 2024

			Epidemiology Network	funded project as per committed objectives and timelines communicated to the funding agency	
2014	National Research Centre on Pigs	Long term (Till completion of the project)	For research work to execute the project AICRP on Pigs	Research work to be executed under the NRC on Pig, Guwahati funded project as per committed objectives and timelines communicated to the funding agency	2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023
2020	Uttar Pradesh Council of Agricultural Research	3 years	For research work to execute the project Development of immune-chromatographic strip assay for on-site sero-diagnosis of Japanese encephalitis in swine	Research work to be executed under the UPCAR, Lucknow funded project as per committed objectives and timelines communicated to the funding agency	2020, 2021, 2022, 2023
10.11.2022	Univeristy of Melbourne	3 years	For research work to execute the project Australia-India Collaboration to Promote Sustainable Livestock Production	Research work to be executed under the University of Melbourne funded project as per committed objectives and timelines communicated to the funding agency	2022, 2023, 2024
18.11.2021	Pirbright Institute	5 years	For research work to execute the FMD Vaccine quality testing and Enhancing India's vaccine testing capabilities	Research work to be executed under the Pirbright Institute funded project as per committed	2021, 2022, 2023, 2024

				objectives and timelines communicated to the funding agency	
2017	Central Zoo Authority	10 years	For establishment of National Referral Centre on Wildlife Healthcare	For providing services to various zoos, wildlife centres under the project National Referral Centre on Wildlife Healthcare	2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024
2021	N- Tech Digital Private Ltd.	Ongoing	The startup is focused on "Engineering tools for livestock health and production," with a project centered on developing the Digital Artificial Insemination Device (D-AID). The purpose of collaboration is to nurture and support the startup	<ol style="list-style-type: none"> 1. Product Development: Engaging in research and development, securing patent, and conducting product testing and validation. 2. Launch In Market: Conducting market studies, promoting the product, and utilizing digital advertising for market entry. 3. Capture 3 District Markets: Targeting Pune, Satara, and Ahmednagar/ Solapur districts for market expansion. 4. Sales Force Activities: Implementing campaigns and workshops at the tehsil level, as well as participating in national expos. 	8th February 2021

				5. Capture Market in Rest Part of Maharashtra: Achieving sales of 200+ devices to cover the remaining areas of Maharashtra.	
2021	Agverse Technologies Pvt Ltd	Ongoing	The startup is focused on "Engineering tools for livestock health and production," with a project centered on developing the Gun for Artificial Insemination with Intelligence. The purpose of collaboration is to nurture and support the startup	<p>1. Engineering Closure: Finalizing design and production files, developing intelligent feedback feature.</p> <p>2. Marketing Plan & Support: Implementing customer communication strategy, launching website, and conducting digital marketing campaigns.</p> <p>3. Production Setup: Initiating pilot and final production batches, finalizing production SOPs.</p> <p>4. Beta Customer Sales: Conducting demos and trials, closing initial sales.</p> <p>5. Sales Revenue Targets: Achieving sales revenue milestones through distribution</p>	8th February 2021

				partnerships and direct marketing campaigns.	
2021	Zebu Breeding & Conservation LLP	Ongoing	The startup is focused on "Animal Breeding," with a project centered on Commercial production of embryos, female calves & heifers of indigenous milch breeds of cattle. The purpose of collaboration is to nurture and support the startup	<ol style="list-style-type: none"> 1. Establishment of Herd of Recipient Cows: Procuring and transporting potential recipients for herd establishment. 2. Embryo Production: Implementing procedures for the production and retrieval of viable embryos. 3. Embryo Transfer: Performing synchronized transfers of embryos to recipient cows. 4. Pregnancy Confirmation: Verifying the successful establishment of pregnancy in recipient cows. 5. Gestation Period: Monitoring and managing cows throughout their pregnancy period. 6. Health & Fitness: Ensuring the well-being and health maintenance of cows through vaccination, deworming, 	8th February 2021

				and routine check-ups.	
2021	Krimanshi Technologies Pvt Ltd.	Ongoing	The startup is focused on "Waste to Wealth/Animal Feed," with a project centered on Producing animal feeds from food, fruit and vegetable wastes and surplus. The purpose of collaboration is to nurture and support the startup	<p>1. Locations Identification and Finalization: Identifying waste generation regions and finalizing hotspots for efficient waste management solutions.</p> <p>2. Working Model Finalization: Refining the operational model for waste collection and transportation, accompanied by team hiring.</p> <p>3. Machine Installation and Trial Batch Production: Installing machinery, conducting pilot batch production, and refining processes.</p> <p>4. Product Trials: Conducting laboratory and field trials to assess product efficacy and performance.</p> <p>5. Product Feedback: Incorporating customer feedback and finalizing product formulation based on commercial pilot launch</p>	8th February 2021

				results. 6. Product Launch: Initiating the successful market introduction of the waste management solution.	
2021	Birchwood Pets LLP	Ongoing	The startup is focused on "Animal Feed," with a project centered on developing and manufacturing minimally processed dog food tailored to Indian conditions. The purpose of collaboration is to nurture and support the startup	1. Product Compliance: Ensuring adherence to regulatory standards and quality benchmarks through meticulous testing and validation processes. 2. Trials & Benchmarking : Evaluating product performance against industry benchmarks and conducting trials to optimize formulation and functionality. 3. Market Launch Readiness: Preparing for successful market entry through strategic planning, branding, and logistical arrangements.	8th February 2021
2021	Nandinandan Breeds & Seeds India Pvt. Ltd.	Ongoing	The startup is focused on "Food Processing," with a project centered on building Goat milk products market to enhance,	1. Milk Testing Equipment: Acquiring and setting up necessary equipment for testing milk quality.	8th February 2021

			<p>regularize, diversify and stabilize goat farmers income to enable them adopt climate resilient livelihoods. The purpose of collaboration is to nurture and support the startup</p>	<p>2. Certificate and Licensing: Securing required certifications and licenses for business operations. 3. 30 liter Goat Milk Procurement Sources: Identifying and incentivizing goat owners for milk procurement. 4. Phase I of Mass Marketing Promotion: Engaging with retailers and implementing promotional strategies to kickstart product distribution. 5. Business MIS setup: Establishing a management information system to streamline business operations. 6. Goat Milk Procurement Sources Identification for 100 LPD target: Expanding milk procurement efforts to achieve a target of 100 liters per day. 7. Phase II of Mass Marketing Promotion: Continuing retailer engagement and</p>	
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				promotional activities to expand market reach.	
2021	We Are Fresh Innovations	Ongoing	The startup is focused on "e-Market/ Supply Chain Management," with a project centered on an online Store for Fresh Seafood and Meat. The purpose of collaboration is to nurture and support the startup	<p>1. Increasing Customer Base to 2000: Engaging in extensive marketing activities including trade fairs, digital marketing, and radio advertisements to attract customers from targeted locations.</p> <p>2. Increasing Customer Base to 4000: Expanding marketing efforts to include additional platforms such as Google ads, YouTube videos, and print media advertisements to reach a wider audience and achieve higher customer acquisition.</p> <p>3. Increasing Customer Base to 8000, Expanding Service Area to 15 km Radius, Opening New Branch at Chalakudy: Scaling up marketing strategies while also expanding service coverage and establishing a</p>	8th February 2021

				new branch to accommodate the growing customer base, enhancing brand presence and accessibility	
2021	Genext Genomics Pvt Ltd	Ongoing	The startup is focused on "Veterinary Vaccines/Diagnostics/Biotechnology Products," with a project centered on developing a rapid test to diagnose CSFV in swine. The purpose of collaboration is to nurture and support the startup	<ol style="list-style-type: none"> 1. Large-Scale Production of Reagent and Controls, Assembling and Production of LFT (5000 Test Kit) 2. Sample Collection from Collaborators, In-Lab and Out-Lab Validation of Kit, Field Trial at Less Resource Setting 3. IP Registration, NABL Accreditation & Regulatory Approval, Packaging and Designing, Manufacturing License Application 4. Pre-Marketing Activity & Campaign Creation Management, Target 500 Kit Sales 	8th February 2021

2021	Teplu Learning Pvt Ltd.	Ongoing	The startup is focused on "Veterinary Extension / ICT," with a project centered on Upskilling Farmers using Digital Technology. The purpose of collaboration is to nurture and support the startup	<ol style="list-style-type: none"> 1. Launch Dairy Farming Courses: Vet content, produce chapters in 3 languages. 2. Customize Tech Platform: Select developer, initiate project. 3. Market Mini Courses: Develop creatives, contact prospects in Maharashtra. 4. Acquire Customers: Utilize digital marketing, target agri input companies. 5. Achieve Sales Target: Secure content sponsorship, diversify customer segments. 6. Start Goat Farming Course: Source experts, vet content, identify filming locations. 	8th February 2021
2021	Magicvets Pvt Ltd.	Ongoing	The startup is focused on "Veterinary Polyclinic/Pet Clinic/Veterinary Mobile Clinic," with a project centered on providing petcare at home through services such as Pet Ambulance and healthcare appointments booked via phone call or the website." The	<ol style="list-style-type: none"> 1. Set up Mobile Pet Clinic for Delhi: Procure ambulance, hire vet docs and staff, equip with medical gear, advertise, enhance IT system. 2. Enhance Web and Mobile App: Improve digital services, 	8th February 2021

			purpose of collaboration is to nurture and support the startup	including record-keeping, e-commerce, and forums. 3. Recruit Staff for Mobile Pet Clinic-2: Hire second set of staff for 24/7 operations. 4. Set up Mobile Pet Clinic for Gurugram: Obtain ambulance, hire staff, equip with medical gear, advertise services in Delhi region.	
2021	Perfwin Solutions Pvt Ltd	Ongoing	The startup is focused on "Food Processing," with a project centered on the processing of meat for pickle -A value added product. The purpose of collaboration is to nurture and support the startup	1. Manufacturing Plant Setup: Machinery installed, production underway. 2. Web Development: Website developed, domain purchased. 3. Employee Recruitment: Production and marketing heads onboarded on contract. 4. Employee Training: Training provided to enhance production skills. 5. Distribution Channel Setup: Established links with traders, retailers, and distributors.	8th February 2021

				<p>6. Aggressive Marketing: Digital marketing, mascot development, leaflet distribution, newspaper and magazine ads.</p> <p>7. Participation in Food Carnivals: Stalls set up at Pune and Mumbai food carnivals, participation in exhibitions.</p> <p>8. Market Exploration: Strategies developed to enter new market segments.</p>	
2021	VetRox Veterinary Solutions	Ongoing	<p>The startup is focused on "Veterinary Extension / ICT," with a project centered on an app and phone based platform for goat rearing information and e-commerce. The purpose of collaboration is to nurture and support the startup</p>	<p>1. Development of Prototype Application: Identification of potential developers, conceptualization of application, wireframing of required functions, development and validation, UI/UX design, beta testing.</p> <p>2. Website Development: Arrangement of prerequisites, content creation, development, and launch.</p> <p>3. Call Centre Service Establishment: Contract with 3rd party</p>	8th February 2021

				call centre service provider, establishment of small call routing facilities.	
2021	Rudra Agro Live Stock Private Limited	Ongoing	The startup is focused on "Supply Chain Management," with a project centered on the traceability of fresh and processed meat products using blockchain technology and an intelligent packaging system for assurance of freshness, safety, and cold chain management. The purpose of collaboration is to nurture and support the startup	<ol style="list-style-type: none"> 1. Purchasing of Processing and Cooling Equipment: 2. Hiring of Employees: 3. Marketing and Procurement of Raw Materials 4. Facilitating Primary Producers 	1st October 2021
2021	Armor Helix India Private Limited	Ongoing	The startup is focused on "Animal Breeding and Genetics," with a project centered on breeding pure indigenous cattle breeds using IVF Technology. The purpose of collaboration is to nurture and support the startup	<ol style="list-style-type: none"> 1. Hire 1 Veterinarian and 2 Livestock Supervisors. 2. Identify and Partner with 2-4 Mother Farms for Surrogate Program. Embryo & Semen Storage Facility: 3. Purchase LN2 Containers for Storage. 4. Procure Sexed and Conventional Semen Straws. Embryo Transfer/IVF: 5. Partner with Service Provider. 	1st October 2021

				<p>6. Collect Oocytes from Donor Cows.</p> <p>7. Transfer 30-40 Embryos to Surrogate Mothers.</p> <p>8. Collect Pregnancy Diagnosis Data. Facility Development for Calves:</p> <p>9. Develop 40x20 ft. Shed for 20 Calves.</p> <p>Awareness & Marketing:</p> <p>10. Hire 1 Marketing Executive.</p> <p>11. Design & Distribute Leaflets/Brochures.</p> <p>12. Distribute E-leaflets and E-brochures on Social Media.</p> <p>Product Booking, Sale & Delivery:</p> <p>13. Book and Deliver Conventional and Sexed Embryo Pregnancies, Female, and Male Calves.</p> <p>14. Setup Delivery of Calves to Customers.</p>	
2021	Statlogic India Private Limited	Ongoing	<p>The startup is focused on "Veterinary Extension / ICT," with a project centered on enabling parametric cattle insurance for smallholder dairy farmers through the use of animal biometeorology. The purpose of</p>	<p>1. Refine Mobile App and Backend Infrastructure.</p> <p>2. Collect Nose Print Images.</p> <p>3. Refine Nose Print Identification Algorithm.</p> <p>4. Collect Data from 1000-2000 cows</p>	1st October 2021

			collaboration is to nurture and support the startup	regularly. MVP Development of On-farm Somatic Cell Counter: 5. Sample Collection and Manual Labeling of 1000 Image Samples. 6. Develop MVP for Automated Sampling and Image Capture. 7. Validate Mortality Loss Reporting Solution among 1000-2000 cattle. 8. Conduct Cost-Benefit Analysis for Producers, Cooperatives, and Insurance Companies. Development of Somatic Cell Count (SCC) based Risk Mapping: 9. Test and Validate SCC-based Risk Mapping. 10. Map Region Risk using SCC and its Correlation with Mastitis Occurrence.	
2021	Vitulomics Private Limited	Ongoing	The startup is focused on "Animal Healthcare," with a project centered on herbal treatment for mastitis. The purpose of collaboration is to nurture and support the startup	1. Testing of 'MastiNil': Identify, follow up, and treat lactating bovine animals with herbal mixture. Conduct digital marketing campaigns.	1st October 2021

				<p>2. Infrastructure: Procure lab equipment like Milk somatic cell counter.</p> <p>3. Data Reporting: Generate term data report.</p> <p>4. Contract Research: Conduct efficacy test by IVRI and review resulting data and reports.</p>	
2021	Transduceideas Technologies LLP	Ongoing	<p>The startup is focused on "Veterinary Healthcare Services," with a project centered on the mobile app "Petologist," which helps connect doctors virtually with patients and provide online consultations. Additionally, it acts as a virtual clinic for doctors. The purpose of collaboration is to nurture and support the startup</p>	<p>1. Electronic Health Record Beta Release & Launch:</p> <p>2. Doctor & Patient App Development & Integration:</p> <p>3. Inventory Management:</p> <p>4. E-commerce Store Development</p> <p>5. Full-Scale Launch: Integrating all necessary APIs and conducting a thorough pre-launch trial period for successful deployment.</p>	1st October 2021
2021	Tant Mieux Technologies Pvt Ltd	Ongoing	<p>The startup is focused on "Engineering tools for Livestock Health & Production," with a project centered on an Intelligent Farrowing Alert System for pigs. The purpose of collaboration is to nurture and support the startup</p>	<p>1. Prototype/Product Development:</p> <p>2. Product Testing:</p> <p>3. Marketing:</p>	1st October 2021

2023	Bonphul Air Products Pvt. Ltd.	Ongoing	<p>The startup is focused on "Engineering tools for livestock health & production," with a project centered on developing a Hybrid Low-Cost Oxygen Generator for veterinary hospitals and care centers. The purpose of collaboration is to nurture and support the startup</p>	<ol style="list-style-type: none"> 1. Design and Develop Oxygen Generator (20/30LPM) for Veterinary Use. 2. Develop Software and Controller Board (PCB) for the Generator. 3. Test Software and PCB Prototype (50 Sets) and Deploy in Term 1. 4. Procure Testing Devices for Oxygen, Flow, Pressure, Temperature, Vibration, Humidity, etc. 5. Procure Automatic Zeolite Filling Machine. 6. Conduct Field Testing at End-User Facilities. Marketing and Sales: 7. Appoint Marketing Team. 8. Develop Website/Landing Page. 9. Initiate Digital Campaign SEO Reach Out. 10. Appoint Sales Team. 11. Target Installation of Approx. 8 Units (Direct and Distributors). 12. Appoint Distributors 	17th March 2023
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				(Approx. 6 Nos.). Patent Application and IoT Implementation: 13. Submit Patent Application. 14. Implement IoT to Make Devices Smart for Remote Monitoring, Control, and Service.	
2018-19	M/s Adroit Integrated Systems & Automation, Maharashtra	15 years	Technology transfer of Portable Restraining Device (Traviport) for Cattle and Buffalo	2019: Technology transfer of Portable Restraining Device (Traviport)	05.07.2018
2018-19	Mr Abhinav Goswami, Vedic Tree Foundation, Aligarh (UP)	Lifelong	Technology transfer of Jaigopal Vermiculture	2019: Technology transfer of Jaigopal Vermiculture	19.06.2018
2018-19	Mr Karan Vir Singh Ghumman, Ghumman Farms, Udham Singh Nagar (Uttarkhand)	Lifelong	Technology transfer of Jaigopal Vermiculture	Technology transfer of Jaigopal Vermiculture	19.06.2018
2018-19	Ms Urmila, Inspector of Drugs (UP), Distt., Ghaziabad (UP)	Lifelong	Technology transfer of Jaigopal Vermiculture	Technology transfer of Jaigopal Vermiculture	19.06.2018
2018-19	M/S CavinKare Private Limited, Cavinville, Chennai	Lifelong	Technology transfer of Jaigopal Vermiculture	Technology transfer of Jaigopal Vermiculture	09.08.2018
2018-19	Mr Rohan Kanhai, Izatnagar, Bareilly (UP)	Lifelong	Technology transfer of Jaigopal Vermiculture	Technology transfer of Jaigopal Vermiculture	09.08.2018
2018-19	Mr Ankit Bansal, Ghaziabad (UP)	Lifelong	Technology transfer of Jaigopal Vermiculture	Technology transfer of Jaigopal Vermiculture	09.08.2018
2019-20	GLA University, Mathura	10 years	Technology transfer of Jaigopal Vermiculture	Technology transfer of Jaigopal Vermiculture	13.02.2020
2019-20	Dr Shailendra Nath Alipur, Azamgarh	10 years	Technology transfer of Jaigopal Vermiculture	Technology transfer of Jaigopal Vermiculture	13.02.2020
2019-20	ICAR-DPR, Rajendra Nagar, Hyderabad	10 years	Technology transfer of	Technology transfer of	28.02.2020

			Jaigopal Vermiculture	Jaigopal Vermiculture	
2019-20	Ajay Bio-Tech (India) Limited	15 years	Technology transfer of An Eco-friendly Herbal Acaricide to Control Ticks Including Acaricide Resistant Species Infesting Livestock and Pet Animals	Technology transfer of An Eco-friendly Herbal Acaricide to Control Ticks Including Acaricide Resistant Species Infesting Livestock and Pet Animals	26.12.2019
2020-21	C Composite Signal Regiment, C/O -56 APO	10 years	Technology transfer of Jaigopal Vermiculture	Technology transfer of Jaigopal Vermiculture	28.12.2020
2020-21	Hester Biosciences Limited, Ahmedabad, Gujrat	15 years	Technology transfer of Brucella abortus S19Δ per vaccine	Technology transfer of Brucella abortus S19Δ per vaccine	03.12.2020
2020-21	Hester Biosciences Limited, Ahmedabad, Gujrat	15 years	Technology transfer of Live Attenuated Indigenous CSF Cell Culture Vaccine (IVRI-CSF-BS)	Technology transfer of CSF vaccine	26.03.2021
2020-21	Hester Biosciences Limited, Ahmedabad, Gujrat	15 years	Technology transfer of Sheep Pox Vaccine (SPV) (Srinagar 38/2000 Strain) [Indigenous Live Attenuated Sheeppox Vaccine SPPV Srin 38/00]	Technology transfer of Sheep Pox Vaccine	26.03.2021
2021-22	Haryana Veterinary Vaccine, Institute, Hisar, Haryana	15 years	Technology transfer of Live Attenuated Indigenous CSF Cell Culture Vaccine (IVRI-CSF-BS)	Technology transfer of CSF vaccine	21.09.2021
2021-22	Haryana Veterinary Vaccine, Institute, Hisar, Haryana	15 years	Technology transfer of Sheep Pox Vaccine (SPV) (Srinagar 38/2000 Strain) [Indigenous Live Attenuated Sheeppox Vaccine SPPV Srin 38/00]	Technology transfer of Sheep Pox Vaccine	31.08.2021

2021-22	Karishma Organic, Mahasamund, Chhattisgarh	10 years	Technology transfer of Jaigopal Vermiculture	Technology transfer of Jaigopal Vermiculture	23.11.2021
2021-22	Progress Works (Opc), Private Limited Panchkula, Haryana	10 years	Technology transfer of Jaigopal Vermiculture	Technology transfer of Jaigopal Vermiculture	19.02.2022
2021-22	Krishi vigyan kendra, north tripura, panisagar, north tripura,	10 years	Technology transfer of Jaigopal Vermiculture	Technology transfer of Jaigopal Vermiculture	08.03.2022
2021-22	Cantonment Board, Bareilly, Bareilly Cantt., Bareilly, Uttar Pradesh	10 years	Technology transfer of Jaigopal Vermiculture	Technology transfer of Jaigopal Vermiculture	11.03.2022
2021-22	Genomix Carl Private Limited, Kadapa, Andhra Pradesh, India	10 years	Technology transfer of Recombinant Antigen Based Sero-Diagnosis of Infectious Bronchitis	Technology transfer of Recombinant Antigen Based Sero-Diagnosis of Infectious Bronchitis	03.03.2022
2021-22	Genomix Carl Private Limited, Kadapa, Andhra Pradesh, India	10 years	Technology transfer of Recombinant Antigen Based Sero-Diagnosis of Infectious Bursal Disease (IBD) By Indirect ELISA	Technology transfer of ELISA kit	03.03.2022
2021-22	Genomix Carl Private Limited, Kadapa, Andhra Pradesh, India	10 years	Technology transfer of Recombinant Antigen Based Diagnostic Kit for Sero - Diagnosis of Newcastle Disease by Single Serum Dilution ELISA	Technology transfer of ELISA kit	03.03.2022
2022-23	Biovet Pvt. Ltd., Malur, Karnataka	15 years	Technology transfer of Sheep Pox Vaccine (SPV) (Srinagar 38/2000 Strain) [Indigenous Live Attenuated Sheeppox Vaccine SPPV Srin 38/00]	Technology transfer of Sheep Pox Vaccine (SPV) (Srinagar 38/2000 Strain) [Indigenous Live Attenuated Sheeppox Vaccine SPPV Srin 38/00]	05.08.2022
2022-23	Biovet Pvt. Ltd., Malur, Karnataka	15 years	Technology transfer of A Live Attenuated	Technology transfer of A Live	05.08.2022

			Vero Cell-Based Goatpox Vaccine for Protection Against Goatpox	Attenuated Vero Cell-Based Goatpox Vaccine for Protection Against Goatpox	
2022-23	Mr. Mohsin Abbas Kazmi, Kakori, Lucknow, U.P	10 years	Technology transfer of Jaigopal Vermiculture	Technology transfer of Jaigopal Vermiculture	18.08.2022
2022-23	Indian Immunologicals Ltd., Hyderabad	10 years	Technology transfer of 'LUMPI-PROVAC IND (LUMPY SKIN DISEASE VACCINE)'	Technology transfer of 'LUMPI-PROVAC IND (LUMPY SKIN DISEASE VACCINE)'	13.10.2022
2022-23	Institute of Veterinary Biological Products, Maharashtra	15 years	Technology transfer of A Live Attenuated Vero Cell-Based Goatpox Vaccine for Protection Against Goatpox	Technology transfer of goatpox Vaccine	20.01.2023