



A groundbreaking change in
agriculture is sprouting



DualAgriTech™
CENTER FOR EXCELLENCE

A Collaboration Project of PPAFI-DFFS and Dualtech Center Foundation, Inc.

Bridging the gap for learning and skills training of individuals, usually family members from the peripheral sectors

Dual AgriTech™ is the **TRANSFORMATION** of Dagatan Family Farm School educational curriculum from its Customized Curriculum for High School into this new **TERTIARY TECHVOC Learning System** which integrates electro-mechanical and digital skills, and techniques for modern agribusiness operations and best practices.



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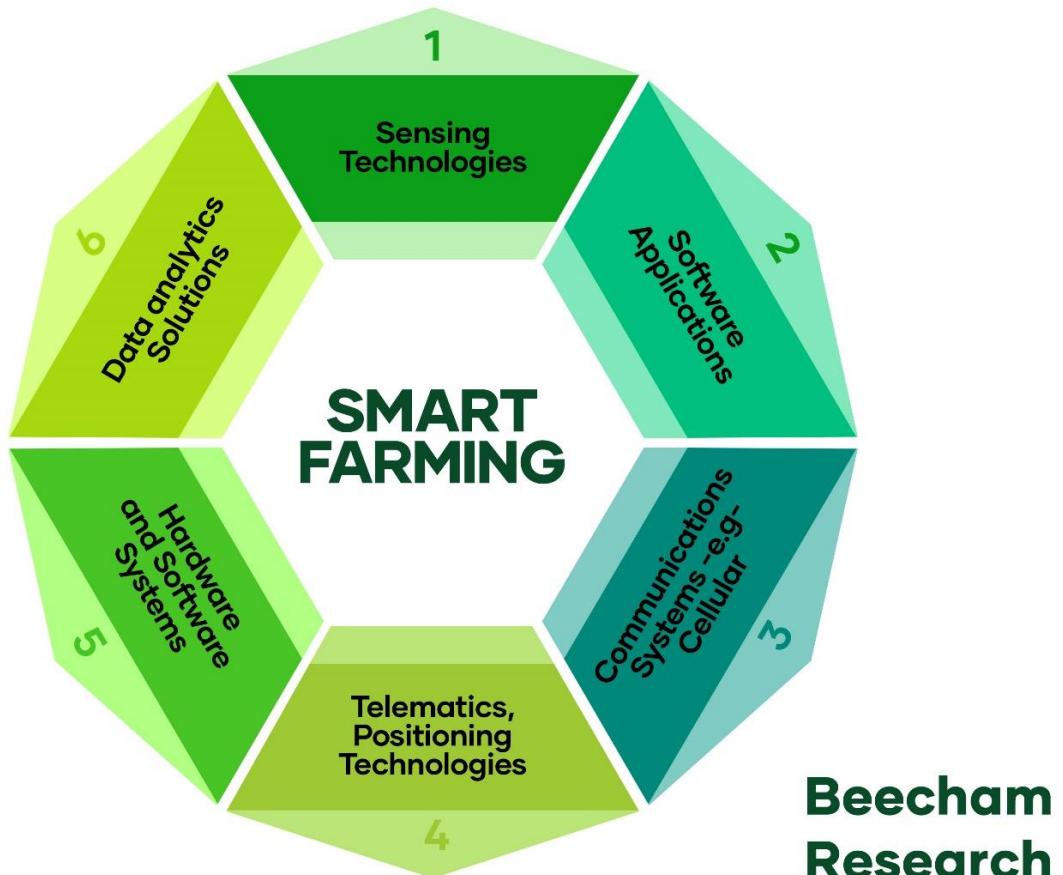


Our Location
120 Narra Street, Dagatan,
Lipa City, Batangas 4217



SMART FARMING FOR THE NEXT GENERATION OF AGRI TECHNICIANS & AGRIPRENEURS

The future of agriculture ...



**Beecham
Research**



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Pampamilyang Paaralang Agrikultura Foundation, Inc.

PPAFI is a non-stock, non-profit organization established in 1986 to mold a community of AgriTech schools (farm schools) into prestigious & sustainable organization that will serve the poor. It established the Dagatan Family Farm School in 1988.

We play a pivotal role in advancing **DualAgriTech™** in the Philippines, fostering growth and sustainability in rural communities.



DFFS is a family farm school in Lipa, Batangas. It is the first family farm school in Asia. DFFS is modeled after the family farm school systems in Spain and France, namely: the Spanish Escuelas Familiares Agrarias and the Maison Familiale Rurale, respectively. DFFS is the beneficiary of PPAFI being its implementing arm for Dual AgriTech™. It provides agriculture technologies and farming techniques training in active collaboration with Dualtech Center and the Host Farm industry partners.



Dualtech Center is the primary technical partner of PPAFI and DFFS in implementing Dual AgriTech™ program. It was established in 1982 to provide skills and values formation to the youth to help address the problem of poverty. It is pioneering in dual training -- educating through work.



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KEY CHANGE DRIVERS & CHALLENGES

CHANGE DRIVERS



Regulatory
Landscape



Adaptive Curriculum



Attractiveness of
Agri Business Profession
Among Young People

CHALLENGES



Scholarship
Funding



Facilities
Improvement



Digital Capability

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Making a difference!

*...bridging TechVoc skills
gap for future-ready
workforce!*

Strategic Shift

UPGRADING DIGITAL
CAPABILITIES

CURRICULUM DEVELOPMENT

FACULTY PROFESSIONAL
DEVELOPMENT

FACILITIES IMPROVEMENT

FARMING VALUE CHAIN LEARNING MODULES

TRAINING SCHOLARSHIPS

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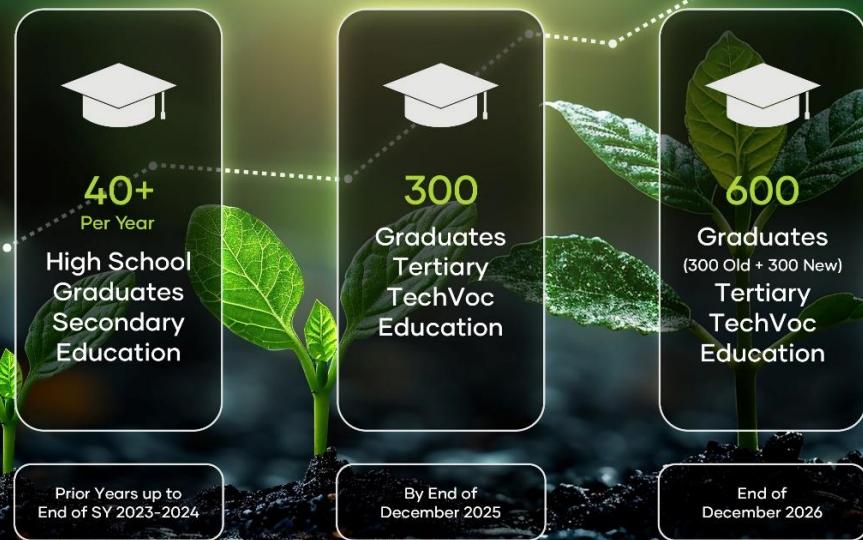
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Roadmap



The Dual AgriTech™ Model

A Dual AgriTech™ Student Journey

Classroom Training



BASIC SKILLS TRAINING PROGRAM

- Machine Shop Practice
- Benchwork
- Mechanical Fundamentals
- Electrical Fundamentals
- Electronics Fundamentals
- Personal Development Course
- Technical Fundamentals

Months 1-5



180 DAYS REAL WORKLIFE ON-THE-JOB TRAINING

Months 7-12



SCHOOL VISITS & MONITORING AGRICULTURE TRAINING

- Agri-Crop Production
- Poultry Production
- Swine Production
- Dairy Production

Months 1-5
Months 6



APPLIED SKILLS TRAINING PROGRAM

- Pilot Farm Laboratory Work
- Professional Development Course
- Mentoring Intervention

Months 7-12

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DualAgriTech™
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Our Industry Partners



Our LGU & Government Agency Partners



Our Corporate Sponsors



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Call for Sponsors and Partners

GOAL TO RISE **PHP 73,000,000.00**

TRANSFORMATIONAL NEEDS

- Training Scholarships
- Farming Value Chain Learning Modules
- Facilities Improvement
- Upgrading Digital Capabilities

Why choose to support us?



We produce industry ready workforce through the innovative Dual AgriTech™ training system closing the gap between education and industry requirements.



We aim to provide opportunities to support the lives of 3000 individual students and their families



No geographic barrier. Our reach is nationwide.



We advocate smart farming technologies and attract the young breed of farmers, Agri Technicians and Agripreneurs.



We help address the country's food security concerns.



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DAGATAN FAMILY FARM SCHOOL

BUILDING FACILITIES



School Facade



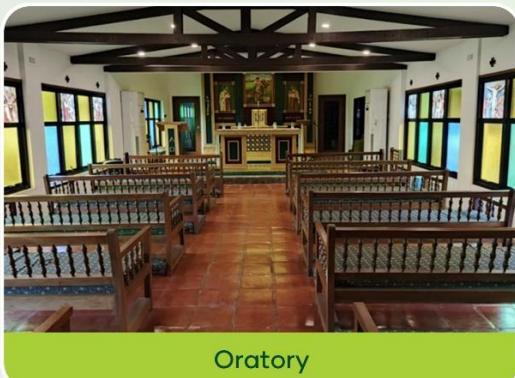
Receiving Area



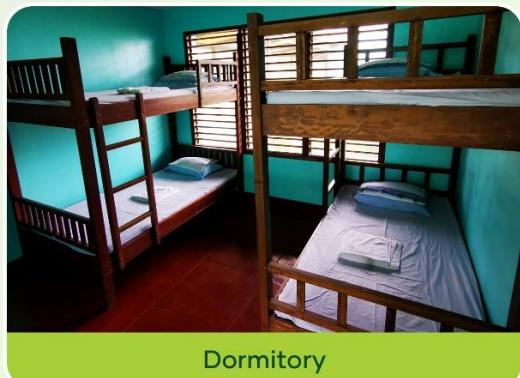
Classroom



Computer Room



Oratory



Dormitory



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DAGATAN FAMILY FARM SCHOOL

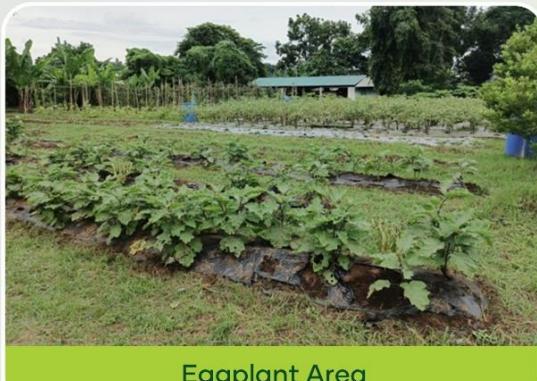
DEMO FARM FOR AGRI CROP PRODUCTION



Chilli-Pepper Area



Papaya Area



Eggplant Area



Vertical Garden for Ornamental Plant



Hydroponic Greenhouse



Lettuce in Greenhouse



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DAGATAN FAMILY FARM SCHOOL

DEMO FARM FOR POULTRY AND SWINE PRODUCTION



Free Range Chicken Production Area



Free Range Ayam Cemani and Peking Duck Area



Swine Production Area



Native Pig Production Area



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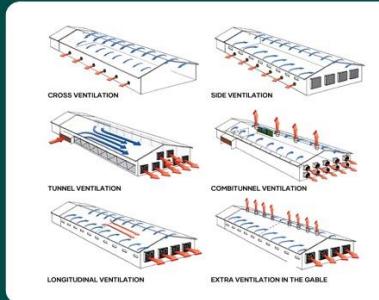
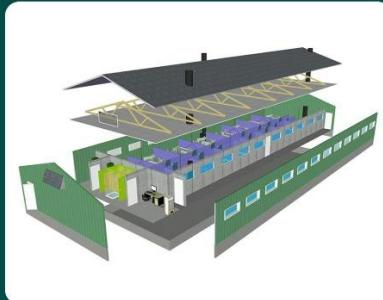
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WE ENVISION OUR DFFS DEMO FARM TO BE ...

AN ILLUSTRATION OF CLIMATE-CONTROLLED SWINE PRODUCTION FACILITIES



AN ILLUSTRATION OF CLIMATE-CONTROLLED BROILER PRODUCTION FACILITIES



AN ILLUSTRATION OF DRONE TECHNOLOGY IN AGRI CROP PRODUCTION



Dead Leaf



Stressed Leaf



Healthy Leaf

Drone is used for equipped with special imaging equipment called Normalized Difference Vegetation Index (NDVI) use detailed colour information to indicate plant health. This allows farmers to monitor crops as they grow so any problems can be dealt with fast enough to save the plants. Drone is also used for planting and seeding, spray application, security, pollination, Drone AI, and irrigation



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What is smart farming to you?

**Be one with us
Be an advocate
Be a sponsor and partner**



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