



2.1.2. B.Sc. Poultry Science and Management

Need and Significance

Indian Poultry Industry is one of the fastest growing segments of agricultural sector. India is the world's third largest egg producer and the fourth largest producer of broiler chicken and Tamil Nadu plays a major role in production of poultry egg and meat. Over 133 kilotons of poultry meat is consumed worldwide, and it is expected to hit nearly 152 kilotons by 2030. Poultry farming does not only mean producing poultry meat but also eggs. Poultry agriculture is a major industry that is rapidly growing to meet the increased demands of poultry products. A very significant feature of Indian poultry industry is its transformation from a mere backyard activity into a major commercial activity with adoption of Mechanization, Computerization and Automation in the Poultry Production Technology. Thus, today's Poultry Industry needs skilled human resource having adequate knowledge on Poultry Production, Engineering and Processing Technology for its sustainability and further growth.

Career Opportunities

- ✦ Poultry Economics
- ✦ Value Addition Technologist
- ✦ Feeding Technologist
- ✦ Processing and Production Technologist
- ✦ Poultry House Designer
- ✦ Breed Management
- ✦ Broiler Production
- ✦ Quality Control Technologist
- ✦ Disease Control
- ✦ Poultry Consultant
- ✦ Hatchery Technologist
- ✦ Poultry Nutritionist
- ✦ Poultry Geneticist
- ✦ Agribusiness Lender Specializing in Poultry Management



- ✦ Supply Chain Manager
- ✦ Poultry Business Manager
- ✦ Attorney
- ✦ Lobbyist
- ✦ Vaccine Manufacturer

Curriculum

SEMESTER – I

S.No	Course	Subject Title	Hrs/Week	Credits
1	Language I	Tamil – I / other languages	5	3
2	Language II	English – I	5	3
3	Core – I	Poultry Diversity and Housing Management	5	5
4	Core Practical - I	Practical - I	5	3
5	Generic Elective - I	Poultry Nutrition and Biochemistry	4	4
6	Generic Elective Practical - I	Practical – Poultry Nutrition and Biochemistry	4	3
7	Value Education	Human Health & Yoga	2	2
Total			30	23

SEMESTER – II

S.No	Course	Subject Title	Hrs/Week	Credits
1	Language I	Tamil – II / other languages	5	3
2	Language II	English - II	5	3
3	Core – II	Anatomy and Physiology of Chicken	5	5
4	Core Practical - II	Practical - Anatomy and Physiology of Chicken	5	3
5	Generic Elective - II	Computer Applications	4	4
6	Generic Practical Elective - II	Practical - Computer Applications	4	3
7	Environmental Science	Environmental Studies	2	2
Total			30	23



SEMESTER – III

S.No	Course	Subject Title	Hrs/Week	Credits
1	Core – III	Poultry Breeding and Genetics	5	5
2	Core – IV	Hatchery management	5	5
3	Core Practical - III	Practical - Poultry Breeding and Genetics	6	3
4	Core Practical – IV	Practical - Hatchery management	6	3
5	Discipline Specific Elective - I	Climate and Poultry Production	4	4
6	Non-Major Elective – I	Poultry Entrepreneurship	2	2
	Micro project		2	2
Total			30	24

SEMESTER – IV

S.No	Course	Subject Title	Hrs/Week	Credits
1	Core – V	Poultry Health Management	5	5
2	Core – VI	Poultry Products and Technology	5	5
3	Core Practical - V	Practical - Microbiology	6	3
4	Core Practical – VI	Practical - Poultry Products and Technology	5	3
5	Discipline Specific Elective – II	Financial and Management accounting	4	4
6	Non-Major Elective – II	Principles in Egg marketing	2	2
7	Mini Project		3	3
Total			30	25

SEMESTER – V

S.No	Course	Subject Title	Hrs/Week	Credits
1	Core – VII	Broiler Management	5	5
2	Core – VIII	Layer Management	5	5
3	Core Practical – VII	Practical - Broiler Management	6	3
4	Core Practical – VIII	Practical - Layer Management	6	3
5	Discipline Specific Elective - III	Poultry Economics and Marketing Strategies	4	4