ANNUAL INTAKE / NUMBER OF SEATS : 10

METHOD OF SELECTION : As per the prevailing TANUVAS regulations for P.G. Diploma programmes - 2006.

DURATION : One year –Two semesters including 45 days of in plant training

EVALUATION : As per the prevailing TANUVAS academic regulations for P.G. Diploma programmes - 2006.

FEE STRUCTURE : As per the prevailing TANUVAS regulations for P.G. Diploma programmes - 2006.

COURSE CONTENT

The course will cover topics on Indian Dairy industry, Chemistry and Microbiology of milk and milk products, with emphasis on quality assurance. In addition the latest technologies adopted with respect to preparation of fat rich, frozen, fermented, dried and indigenous dairy products will also be dealt with. The designing and management of dairy plants and cleaning and sanitization of dairy plants along with recent advances in packaging of dairy products will also be dealt with. Adequate credit hours will be given for practical sessions in addition to In plant training at the well equipped and maintained dairy processing plant in the campus. The intensive course and training will enable the students to acquire technical professional competence.

FUTURE CAREER PROSPECTS

The Post Graduate Diploma in dairy Processing and Quality system is a course designed to cater to the demands of the ever growing dairy industry. The course is will churn out dairy professionals with exceptional technical excellence and provide the participants with unique opportunities in the dairy industry. This would come true in the form of job roles related to procurement, processing, quality assessment, consultants and in the marketing sectors.

For further details contact

Professor and Head
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Madras Veterinary College
Chennai – 600 007. Tele: 2530 4000 Ext 2053
E.mail: hoddscmvc@tanuvas.org.in

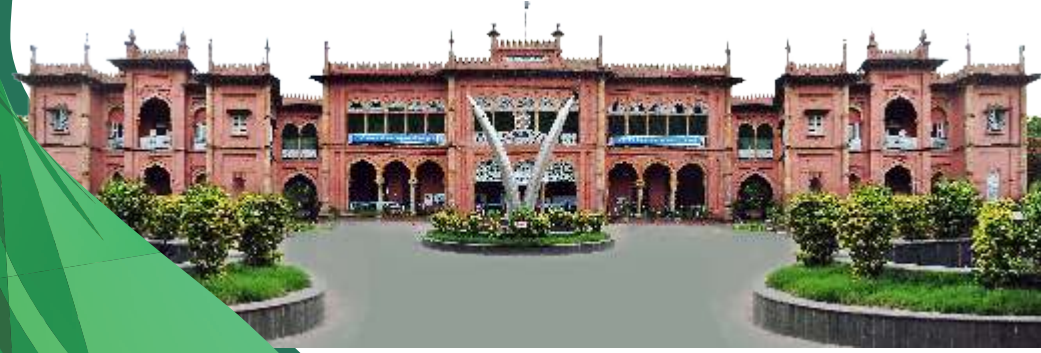
University website : **www.tanuvas.ac.in**

TAMIL NADU VETERINARY AND ANIMAL SCIENCES UNIVERSITY

POST GRADUATE DIPLOMA IN DAIRY PROCESSING AND QUALITY SYSTEM

Information Brochure

2017 – 2018



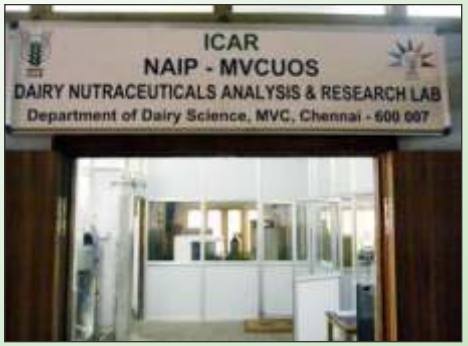
DEPARTMENT OF LPT (DAIRY SCIENCE)
MADRAS VETERINARY COLLEGE
Vepery, Chennai – 600 007.
Tamil Nadu

ABOUT THE UNIVERSITY

The Tamil Nadu Veterinary and Animal Sciences University (TANUVAS) blossomed from the roots of Madras Veterinary College (MVC), an internationally acclaimed, century old institution. Over the years, the college had earned international repute and became university on 20th September 1989. The university had instituted itself as the knowledge capital in veterinary and animal sciences in the country and serves the academicians, students, farmers, entrepreneurs and public at large. Tamil Nadu Veterinary and Animal Sciences University has been listed under top 50 Universities bagging 38th Rank at National and 4th Rank at State Levels. Among the 12 Veterinary and Animal Sciences University in India, TANUVAS is ranked number one. TANUVAS is also ranked second among all the 63 Universities under National Agricultural Research System of India. The administrative office of TANUVAS is located at Madhavaram Milk Colony (MMC), Chennai–600 051.

THE DAIRY SECTOR IN INDIA AND TAMIL NADU

In India, the dairy sector plays an important role in the country's socio-economic development, and constitutes an important segment of the rural economy. Presently, the dairy industry is a flourishing industry of the country. India ranks first in milk production, accounting for 18.5 % of world production, achieving an annual output of 146.3 million tonnes during 2014-15 as compared to 137.69 million tonnes during 2013-14 recording a growth of 6.26 %. The per capita availability of milk in India has increased from 176 grams per day in 1990-91 to 322 grams per day by 2014-15. This represents a sustained growth in availability of milk and milk products for the growing population . Tamil Nadu is one of the leading milk producing state and ranked 9th in the list of top 10 highest milk producing states in India. Tamil Nadu in the last financial year witnessed a growth of more than 10% in milk production. The annual milk Production is to the tune of 7 Million Tonnes. Tamil Nadu contributes more than 5% in the total milk production in the country and daily milk procurement of dairy cooperative societies in the state is more than 24 Lakh Litres.



NEED FOR THE DIPLOMA PROGRAM

"Operation Flood", initiated by Dr.V.Kurien, brought about a major transformation in India's dairy industry, propelling India to become world's No. 1 milk producer. From 1/10th of the world production about two decades ago, India's production now accounts for 1/ 6th of total global milk output. Milk production in India is growing at a rapid pace, when compared to global growth rate. While the milk output growth is high, the demand is increasing at even a higher pace. This will lead to increase of India`s share in the world milk production from the current 16 per cent to 21 per cent in 2020. With a view to keeping pace with the country's increasing demand for milk and milk products, the industry has been growing rapidly. With increasing liberalization, globalization and increasing incomes, the need for processing and supplying quality dairy products is also increasing. With the organized sector poised to make a major leap in terms of quantum of milk and milk products to be supplied there is an urgent need to develop hi tech infrastructure and huge investment on manpower as well as equipment.

OBJECTIVE

To develop technical skills among human resources for Dairy Industry and to create self employment opportunity by developing entrepreneurial skills in the field of dairying.

INFRASTRUCTURE FACILITIES

The department has full fledged laboratories equipped with necessary instruments and equipment for conducting chemical, microbial and rheological studies on quality of milk and milk products. It also has a model dairy plant with infrastructure facilities for processing milk and preparing milk products.

ADMISSION REQUIREMENT / ELIGIBILITY

Full time bachelor degree holders – Botany, Zoology, Physics, Chemistry, Nutrition and Dietetics, Food Science, Home science, Biotechnology, Biochemistry, Veterinary Science. Students who have bachelor degree through correspondence are not eligible.