



**Shrimathi Devkunvar Nanalal Bhatt Vaishnav  
College for Women (Autonomous)**

Owned and Managed by Cork Industries Charities Trust  
Affiliated to University of Madras - Re-Accredited with 'A+' Grade by NAAC  
Chromepet Chennai-600044



**DEPARTMENT OF HOME SCIENCE**

**MSc. Home Science- Food Science Nutrition and Dietetics**

**CHOICE BASED CREDIT SYSTEM (CBCS)**

**&**

**LEARNING OUTCOMES BASED CURRICULUM FRAMEWORK  
(LOCF)**

**2023-2025 Batch**



## **MSc. Home Science- Food Science, Nutrition and Dietetics**

### **PROGRAMME OUTCOMES (PO)**

After completion of the programme, the student will be able to

<b>PO1</b>	Identify and analyze the complex problems reaching substantiated conclusions using domain knowledge.
<b>PO2</b>	Apply investigative research, specialize in problem identification, formulate research design, utilise analytical tools, draw valid inferences and provide suggestions leading to nation building initiatives.
<b>PO3</b>	Strengthen professional ethics and career planning with systematic building of intrapersonal and interpersonal skills to participate in the intellectual Diasporas.
<b>PO4</b>	Establish oneself as a self-reliant, empowered individual to have an inclusive, healthy and compassionate understanding towards life and society.
<b>PO5</b>	Equipped with technical / managerial expertise to innovate and critically analyse various attributes which constitute pivotal issues in a multidisciplinary scenario.
<b>PO6</b>	Emerge as innovators and pioneers to create new avenues of employment catering to the global trends as well as demands.

### **PROGRAMME SPECIFIC OUTCOMES (PSO)**

The students at the time of graduation will

<b>PSO1</b>	To analyze and acquire in-depth knowledge in the fields of food science, Nutrition dietetics, and its allied subjects.
<b>PSO2</b>	To develop multi skilled professionals with holistic perspective to excel in all the discipline of nutritional and its allied health sciences.
<b>PSO3</b>	To explore viable avenues of employment market, research, entrepreneurship, and higher education with a passion and commitment in the nutritional and concerned domains.



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## CURRICULUM 2023 – 2025

SEMPART		COURSE TYPE	COURSE CODE	COURSE TITLE	CREDITS	HOURS		CIA	ESE	TOTAL
						TH	PR			
I	I	Core Theory I	20PNDCT1001	Advanced Food Science	4	6	-	40	60	100
		Core Theory II	20PNDCT1002	Advanced Human Physiology	4	6	-	40	60	100
		Core Theory III	20PNDCT1003	Macro Nutrients	4	6	-	40	60	100
		Core Practical I	20PNDCP1001	Advanced Food Science - Practical	4	1	5	40	60	100
		Elective Theory I	20PNDET1001	Food Processing and Technology	3	4	-	40	60	100
	II	Skill Based Elective	22PSSCS1001	Cyber Security	3	-	-	50	-	100
II	I	Core Theory IV	20PNDCT2004	Research Methods in Nutrition	4	6	-	40	60	100
		Core Theory V	20PNDCT2005	Advanced Dietetics	4	6	-	40	60	100
		Core Theory VI	20PNDCT2006	Nutritional Biochemistry	4	6	-	40	60	100
		Core Practical II	20PNDCP2002	Advanced Dietetics - Practical	4	1	5	40	60	100
		Elective Theory II	20PNDET2002	Perspectives of Home Science	3	4	-	40	60	100
	II	Soft Skill	18MOOC2002	SWAYAM (MOOC)	4	-	-	50	-	100
III	I	Core Theory VII	20PNDCT3007	Micro Nutrients	4	6	-	40	60	100
		Core Theory VIII	20PNDCT3008	Performance Nutrition	4	6	-	40	60	100
		Core Theory IX	20PNDCT3009	Food Microbiology	4	6	-	40	60	100
		Core Practical III	20PNDCP3003	Techniques in Food Analysis-Practical	4	1	5	40	60	100



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	II	Elective Theory III classrooms/SWAYA M- CEC	24PNDET3A03/ 24PNDET3B03	Food Product Development/ Functional Foods and Nutraceuticals	3	4	-	40	60	100
		Skill-Based Elective	18PSSRS3003	Research Skills	3	4	-	50	-	100
		INTERNSHIP	18PNDIP3001	Internship	2	-	-	40	60	100
IV	I	Core Theory X	20PNDCT4010	Public Health Nutrition	4	6	-	40	60	100
		Core Practical IV	20PNDCP4004	Food Microbiology – Practical	4	0	6	40	60	100
		Core Project I	20PNDPR4001	Project and Dissertation	4	6	0	40	60	100
		Elective Theory IV	24PNDET4A04/ 24PNDET4B04	Advanced Food Service Management/ Introduction to yoga and Physiology	3	4	-	40	60	100
		Elective Theory V	24PNDET4A05/ 24PNDET4B05	Food Safety and Quality Control/ Food Preservation	3	4	-	40	60	100
	II	Soft Skill	23PSECR4004	Skill Enhancement- Coursera	4	-	-	50	-	100
				<b>TOTAL</b>	<b>91</b>					<b>2500</b>



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## Core Electives

<u>List of Courses Offered in I Semester</u>	<u>List of Courses Offered in II Semester</u>	<u>List of Courses Offered in III Semester</u>	<u>List of Courses Offered in IV Semester</u>
1. Food Processing and Technology	1. Perspective s of Home Science	2. Food Product Development/ Functional Foods and Nutraceuticals	3. Advanced Food Service Management/ Introduction to Yoga and Physiology  4. Food Safety and Quality Control/ Food Preservation