

SR NO	NAME OF THE COURSE	DETAILS	SYLLABUS
4	Nutraceuticals (Department of Microbiology)	<p>The Nutraceuticals course is designed to provide students with both foundational and applied knowledge about nutraceuticals and their growing importance in modern healthcare. Nutraceuticals are bioactive compounds derived from food sources that offer additional health benefits beyond basic nutrition. This course focuses on the role of nutraceuticals in health promotion, disease prevention, and overall well-being, while also highlighting the microbiological aspects involved in their production, safety, and quality control. Students are introduced to various nutraceutical compounds derived from plant and animal sources and their therapeutic applications in treating or managing specific health conditions. Through this course, students gain an understanding of the interdisciplinary relevance of microbiology, nutrition, and pharmaceutical sciences in the nutraceutical industry. The programme also provides insights into current trends.</p>	<ul style="list-style-type: none"> ● Introduction to Nutraceuticals: Objectives of Nutraceutical Study, Applied Aspects of Nutraceutical Science, Relationship of Nutraceutical Science with Other Sciences, Role of Nutraceuticals in Medicine ● Properties, Structure, and Functions of Nutraceuticals ● Nutraceutical Supplements from Plant Sources and Nutraceutical Components from Animal Sources ● Nutraceutical Foods as Remedy Medicines; Nutraceuticals for Mental Health – Acetyl-L-Carnitine, Phosphatidylserine, Docosahexaenoic Acid (DHA), Soy Isoflavones; Other Nutraceuticals and Treatments for Depression; Synergism, Beneficial Interactions, and Combination Products ● Nutraceutical Remedies for Arthritis and Bronchitis ● Nutraceutical Remedies for the Circulatory System and Treatment of Hypoglycaemia ● Nutraceutical Regulations in India ● Nutraceutical Products Available in the Market ● Scope and Opportunities in the Indian Healthcare and Nutraceutical Industry

		regulations, and career opportunities in the rapidly expanding nutraceutical sector, particularly in the Indian healthcare and wellness market.	
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