

CERTIFICATE COURSE
IN
Food Industry Waste Management.

Atal Bihari Vajpayee Vishwavidyalaya

Bilaspur (C.G.)

**(A State University, Established by the Government of
Chhattisgarh)**

Programme Learning Outcome:

This programme is expected to impart higher level knowledge and understanding about how to manage food industry waste.

Eligibility Criteria

Any student, who has cleared Senior School Certificate Examination (Class XII).

Fees Structure and Registration:

One time registration/tuition fees of Rs. 5000/- The registration can be on the basis of merit probability in the month of July and January every year. The total no. of seats available in the course will be 30 only and, it will be allotted on first come first basis.

Course Duration

The course is expected to be completed in the span of 3month/ 12 week. Minimum attendance of 75% is required in the classes for appearing in the examination.

Course Learning Outcome:

To introduce students about food industry's waste management.

Objective:

1. Introduce students about product development.
2. Explain students about resource management.
3. Perform on Industrial Based Case Study

Examination & Evaluation Scheme

The candidate's performance shall be assessed on the combined performance in the online test, project work and internal assessment. The candidates will be required to appear in external examination of 75 marks and 25 marks will be based on internal assessment. The qualifying criteria will be total 40%. Candidate is allowed to appear in the second attempt, if he/she is unable to qualify the same in the first attempt as per ordinance.

Certification

The candidates successfully qualifying the course shall be awarded with a certificate issued by the University.

Detailed Syllabus:

Module 1	Introductory Concept in Product Development of Industrial waste.
Module 2	Technical Market Research, Resource Management and Novelties in Food Operations.
Module 3	Nutraceuticals and Nutrition for New Product Development with Industrial Waste, Product Innovation and Projection Management
Module 4	Formulation and Optimization of New Product of Industrial waste, Sensory & Physical Estimation of Permuted Product, Analytical assessment of New Product Development Prototype, assessment with benchmark
Module 5	Financial Estimation of Novel Products, Food safety Vigilance, Legal compliance, regulatory affairs & Documentation, Industry Based Case Study.

Books Recommended:

1. Environmental Pollution Control Engineering – C.S. Rao
2. Food Processing Waste Management – J.H.Green and A. Kramer
3. Handbook of Waste management and co-product recovery in Food Processing – Vol.1- Keith Waldron