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		<b>16<sup>th</sup></b>

**Board of Studies Meeting**  
**Department of Food Science and Nutrition**

The minutes of the 16<sup>th</sup> meeting of Board of Studies held on 16.10.2023 at 10.00 am at the Department of Food Science and Nutrition (B1 Block – Room No. 1512).

**Members Present:**


S.No.	Name	Category
1.	Dr. D. Sridevi	Chairman
2.	Dr. T. Poongodi Vijayakumar	University Nominee
3.	Dr. A.J. Hemamalini	Subject Expert
4.	Dr. S. Sylvia Subapriya	Subject Expert
5.	Dr. Meera Raman	Members
6.	Mrs. H. Kavya Jyothi	
7.	Ms. Anjali M	
8.	Dr. D. Jancy Rani	
9.	Ms. M. Rakeshwari	
10.	Ms. G. Priyaalini	
11.	Mrs. S. Madumitha	
12.	Mrs. U. Rasikha	
13.	Dr. N. Kuppuchamy	Co-opted Members
14.	Dr. R. Vithyaprabha	
15.	Dr. M. Suganthi	
16.	Dr. S. Gowri	Student Representatives
17.	Ms. Haritha Sri (III B.Sc. FSN)	
18.	Ms. Divya (II M.Sc. FN)	

The HoD and Chairman of the department of Food Science and Nutrition welcomed and introduced all the members and appreciated them for their continuous support, contribution for the development of academic standard and enrichment of the syllabus.

Further Chairman informed the inability of the following member/s to attend the meeting and requested to grant leave of absence.

1. Dr. P. Sathyamurthy (Industrial Expert)
2. Mr. K. Gowtham (Meritorious Alumni)



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		<b>16<sup>th</sup></b>

The items of the agenda were taken one by one for discussion and the following resolutions were passed.

### **Item 16.1**

To review and approve the minutes of the previous meeting held on **16.10.2023**.

The chairman of the Board presented the minutes of the previous meeting held on **16.10.2023** and requested the members to approve. After brief discussion the following resolution was passed

#### **Resolution:**

**Resolved to approve the minutes of the previous meeting held on 16.10.2023**

**Item 16.1(a):** To consider and approve the syllabi for II semester for the students admitted during the academic year 2023-2024.

The chairman presented the detailed scheme and syllabus for the II semester for the students admitted from the academic year 2023-2024 onwards. The details of changes made also presented as follows.

#### **DBT Practicals:**

Nutrient Analysis-233FN1A2CP

- Estimation of calcium in milk
- Estimation of protein by Lowry's method

#### **Changes Made:**

The syllabi were presented to the board members and no changes were recommended for the remaining courses.

#### **Resolution:**

**Resolved to approve the syllabus for the II semester for the students admitted from the academic year 2023-24 onwards,**

**Item 16.1(b) :**To consider and approve the changes, if any, in the syllabi for IV semester for the students admitted during the academic year 2022-2023.





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The Chairman presented the detailed syllabus for the IV semester for the students admitted from the academic year 2022-2023 onwards. The details of changes made also presented as follows.

### Changes Made:

Course	Code	Reason
Dietetics	223FN1A4CA	<ul style="list-style-type: none"><li>• Personal and Precision Nutrition, Overview – cell line studies are included in Unit I.</li><li>• Life style modification and Diet supplements - Energy imbalance, Role of resistant starch, SCFA, High fibre diet in diabetes mellitus are included in Unit II</li><li>• Role of medicinal plants in cancer management and alleviation are included in Unit III</li><li>• Liver disease-Fatty liver was included in unit-IV</li><li>• Kidney Disease-Nephritis and End Stage Renal Disease, Neurological Diseases – Dementia, Febrile Condition-COVID-19 and filaria are the topics included in unit-V based on competitive examination syllabus</li></ul>
Dietetics	223FN1A4CP	<ul style="list-style-type: none"><li>• Observation and sensitization of the various scientific formulas</li><li>• DBT PRACTICALS<ul style="list-style-type: none"><li>i)Diets for psychological inadequacies - Memory Enhancement, Cognitive Abilities &amp; Stress Management</li><li>ii)Alternate therapy for immunity enhancement</li></ul></li><li>• Dietary modifications are to increase the bioavailability of micronutrients and reduce micronutrient deficiencies in food at the commercial or individual/household level</li></ul>
Perspective Psychology	223FN1A4CB	<ul style="list-style-type: none"><li>• The members suggested to include more role plays and group discussion to enhance the study.</li><li>• Case study for understanding the patient personality to be included it can offer insight into individuals, groups, or communities to</li></ul>





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		better understand their thoughts and behaviors for dietitian
Functional Foods	223FN1A4SA	<ul style="list-style-type: none"><li>• Order of the units to be rearranged</li><li>• FSSAI regulations to be included to be aware of the current standards regarding the packaging and labelling of the functional foods.</li><li>• Functional foods of plant and animal origin to be given as two separate units for better understanding of the concepts</li></ul>
Public Health Nutrition	223FN2A4CA	<ul style="list-style-type: none"><li>• The members suggested to change the title of the II Unit from Nutritional Status Techniques to Nutritional Status Assessment Techniques</li><li>• Introduction to focused physical examination to be included in Unit II to know the real situation of patients, and by objectifying situations, to allow different interventions to improve the nutritional level</li><li>• Role of nutritionists in prevention of disease to be included in Unit III because Both nutrient overload and nutrient deprivation can lead to irreversible damage, and may increase the risk of developing chronic diseases so as a nutritionist they help to formulate policies that will significantly influence health outcomes.</li><li>• E-Books and online learning platforms to be included in the references</li></ul>
Food Safety and Quality Management	223FN2A4CB	<ul style="list-style-type: none"><li>• Role of Food Quality Control Officer to be included because it is important to maintain standards by verifying test results and audits comply with food safety regulations and requirements</li><li>• GMP, Total Quality Management and principles of food safety and quality is included in unit-I</li><li>• ISI,PFA,FPO,MPO-Indian Standards. CODEX ALIMENTARIOUS ,ISO SERIES 9001:2000,22000:2005,WTO,FAO, APEDA ,JECFA and EPA- International Standards</li></ul>



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		included in Unit II as it is vital to know the standards and comply with any regulations set by government agencies, internal company procedures, and international regulations for food safety and quality <ul style="list-style-type: none"> <li>• Patent and patent laws, role of central and state government in imparting quality control, Labelling and Packaging Laws are included in unit-IV</li> <li>• Laws and regulations to prevent adulteration and microbial contamination. GRAS, consumer perception on food risk and safety are included in unit-V</li> </ul>
Food Quality Control	223FN2A4DP	<ul style="list-style-type: none"> <li>• Recent edition of FSSAI Manual for food quality control is included in the references</li> </ul>
Nutrition in Health	223FN2A4DQ	<ul style="list-style-type: none"> <li>• Menu planning for IT Professionals working on different shifts to be included</li> <li>• The order of the experiments to be changed</li> </ul>

### New Courses Introduced

Course	Code	Reason
Food Fermentation Techniques	223FN2A4DR	<ul style="list-style-type: none"> <li>• The course was introduced to emphasize the significance of fermented foods based on industrial needs.</li> </ul>


### Courses Removed

Course	Code	Reason
Chemical Composition and Food Proportions	223FN2A4DR	<ul style="list-style-type: none"> <li>• Since the experiments mentioned in this practical were already included in Food Analytical Techniques course in the previous semester, this course was removed.</li> </ul>

After discussion the following resolution was passed with the above changes and modifications.

### Resolution:

**Resolved to approve the syllabus for the IV semester for the students admitted from the academic year 2022-23 onwards,**

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**Item 16.2:** To approve the panel of examiners for question paper setting and evaluation of answer scripts for the even semester of the academic year 2023-2024.

The Chairman presented the panel of examiners for question paper setting and evaluation of answer scripts for the even semester of the academic year 2023-2024.

**Resolution:**

**Resolved to approve the panel of examiners for question paper setting and evaluation of answer scripts for the even semester of the academic year 2023-2024.**

**Item 16.3:** To consider and approve any other item brought forward by the Chairman and the members of the board.

Bakery and confectionary value added course was included for the academic year 2023

Finally, the Chairman thanked all the members for their cooperation and contribution in enriching the syllabus with active participation in the meeting and sought the same spirit in the future also. The meeting was closed with formal vote of thanks proposed by Dr. D. Sridevi.

**Date: 16/10/2023**

**(Dr.D.Sridevi)**





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## Syllabus Revision – New Course

### B.Sc. Food and Nutrition

Faculty: Bio-Sciences

Board: Food Science and Nutrition

Semester: IV

Course Code/ Name: 223FN1A4CA - Dietetics (New Course)

Unit	Existing	Changes
I	<del>Diet Therapy and The Dietitian</del> <del>Objectives of diet therapy – Principles of diet preparation, Nutrition Care Process, Portion Control, Food Exchange list and counseling. Hospital Routine diet – liquid, semi liquid, light, soft diet, bland diet and regular diet.</del> <del>Nutrition Care process. Different types of feeding – Basic concepts of oral feeding, tube feeding, IV feeds, gastrostomy feeding.</del> <del>Dietitian – Classification, Role and Responsibilities of Specific Dietitians.</del>	Basics of Dietetics Menu planning in hospital settings - basis, advantages and disadvantages of cyclical menu. Personal and Precision Nutrition. Diet therapy and types of therapeutic diets. Progressive modifications in texture and consistency. Modifications of a normal diet during illness and convalescence.
II	Diet for febrile condition, Therapeutic diets for malnutrition Diet in typhoid, malaria, tuberculosis, Influenza, Dietary Consideration. Therapeutic diets for malnutrition: Obesity – Etiology, Types, Role of hormones, Assessment, Grades, Types, Treatment Complications, Weight management guidelines, Prevention. Underweight-Etiology, Nutritional and food requirement.	Diet Therapy in Energy Imbalance, Diabetes mellitus and Cardiovascular diseases Diet supplementation and substitution, life style modification. Role of resistant starch, SCFA, High fibre diet in Diabetes mellitus. Role of medicinal plants in management of Diabetes mellitus. Cardiovascular diseases - CAD, hyperlipidemia.
III	Gastro intestinal and liver disorders Diseases of the gastro intestinal tract- ulcer, constipation, diarrhea and malabsorption syndrome, GERD. Diseases of the liver and Pancreas (risk factors and diet therapy) – Jaundice, Hepatitis, Cirrhosis, Fatty liver, Cholecystitis, Cholelithiasis and Pancreatitis.	Specialized Nutritional Care Tools for screening and nutritional assessment in hospital setting. Special feeding methods - enteral and parenteral nutrition. Diet therapy for Critical care patients - burns, trauma. Pre-operative and post-operative nutrition. Cancer - Role of medicinal plants in cancer management and alleviation.
IV	Cardiovascular Diseases and Diabetes Mellitus Diseases of the cardio vascular system (risk factors and diet therapy)- Atherosclerosis, CVD, Hypertension and Hypercholesterolemia. Diabetes mellitus – Types, causes, symptoms, diagnosis, bio-chemical changes, insulin and hypo-glycemic drugs (types only), food exchange list, dietary management.	Diet therapy in Gastrointestinal, Hepatic, Biliary and Pancreatic diseases Liver diseases - diet therapy for fatty liver.
V	Renal Disease and Cancer Diseases of the kidney and urinary tract – Acute and chronic nephritis, Nephrotic syndrome, Renal failure, Urinary calculi. Causes and dietary treatment of kidney diseases and dialysis. Nutrition and cancer – Risk factors, Symptoms, Nutritional Problems of Cancer Therapy, Nutritional Requirements, Dietary guidelines for management	Diet therapy in Renal, Neurological diseases and Febrile conditions Kidney diseases - diet therapy for Chronic Kidney Disease, End Stage Renal Disease. Neurological diseases - diet therapy for dementia, dysphagia, Parkinson's disease. AIDS - diet therapy for HIV infection, AIDS. Febrile conditions - diet therapy for dengue, filaria, COVID - 19.

PERCENTAGE OF SYLLABUS REVISED: 50 %

COURSE FOCUSES ON:

<input checked="" type="checkbox"/> Skill Development	<input checked="" type="checkbox"/> Entrepreneurial Development
<input checked="" type="checkbox"/> Employability	<input type="checkbox"/> Gender Sensitization
<input type="checkbox"/> Intellectual Property Rights (IPR)	<input type="checkbox"/> Social Awareness / Environment
<input checked="" type="checkbox"/> Innovations	<input type="checkbox"/> Constitutional Rights/Human Values/Ethics





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## Syllabus Revision

### B.Sc. Food Science and Nutrition

Faculty: Bio-Sciences

Board: Food Science and Nutrition

Semester: IV

Course Code/ Name: 223FN1A4CB - Perspective Psychology

Unit	Existing	Changes
I	<b>Introduction to Psychology</b> Psychology as a Science. Methods in Psychology - Experimental Methods, Systematic Observation. Disciplines of Psychology. Early Schools of Psychology – Structuralism, Gestalt Psychology, Functionalism, Behaviourism, Psychoanalysis. Modern Perspectives – Behavioural, Biological, Cognitive, Social, Developmental, Psychoanalytic.	Clinical method ,Humanistic
II	<b>Attitudes</b> Attitude -Meaning, Types of Attitude, How Attitude Develop, Importance of Attitudes, Improving Attitude, Developing Positive Attitudes. Communication Channels - Communication Barriers, Communication Openers, Communication Styles.	Attitude and behavior.
III	<b>Self Motivation</b> Importance of Self Motivation - Activities and projects - Case study for Critical Thinking. Self Management - Efficient Work Habits, Stress Management. Self Esteem - Knowing Oneself and Accepting Oneself. Self Enhancement- Plan to Improve- Actively Working to Improve Oneself	-
IV	<b>Personality</b> Definition, Nature of Personality, Characteristics of Personality, Types of Personality, Aspects of Personality,Basic Theories of Personality-Albert Bandura, Sigmund Freud's Psychoanalytic Theory, Charles Horton Cooley Laws and George Herbert Mead Theory, Importance of Personality, Techniques to Improve Personality.	Elements of Personality, methods of measuring personality.
V	<b>Health Psychology</b> Definition, Mind-Body Relationship, Biopsychosocial Model, Health Behaviour – Meaning, Barriers to Modify Poor Health Behaviours. Health Promotion, Primary Prevention, Intervening with Children, Adolescents and at risk people, Transtheoretical Model of Behaviour Change, Need, Functions of Health Psychologists.	-


**PERCENTAGE OF SYLLABUS REVISED: 7.5%**

**COURSE FOCUSES ON:**

<input checked="" type="checkbox"/> Skill Development	<input type="checkbox"/> Entrepreneurial Development
<input checked="" type="checkbox"/> Employability	<input type="checkbox"/> Gender Sensitization
<input type="checkbox"/> Intellectual Property Rights (IPR)	<input type="checkbox"/> Innovations
<input type="checkbox"/> Social awareness / Environment	<input type="checkbox"/> Constitutional Rights/Human Values/Ethics





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**Syllabus Revision**  
**B.Sc. Food Science and Nutrition**

**Faculty: Bio-Sciences**

**Board: Food Science and Nutrition**

**Semester: IV**

**Course Code/ Name: 223FN1A4SA – Functional Foods (New Course)**

Unit	Content
I	Functional foods - Definitions, sources, health benefits, bioactive components of functional foods. Development of functional foods, challenges and safety considerations. Future trends of functional foods. Dietary supplements and fortified foods- need, health benefits adverse effects.
II	Types of functional foods - Whole foods, enriched foods, enhanced foods, fortified foods, modified foods. Market of functional foods, Challenges for Functional food delivery, Factors affecting consumer interest.
III	Functional foods of plant & animal origin - Functional foods of plant origin: Fruits, vegetables, nuts, spices, cereals, beverages. Functional foods of animal origin: Dairy products, sea foods, egg. Probiotics, prebiotics and symbiotic as functional foods. Effects of probiotics on health.
IV	Legal aspects - Nutrition and health claims, food component – approved health claims, labeling considerations for functional ingredients, permissible and impermissible functional claims. FSSAI regulations for functional foods. Consumer acceptance and assessment of health claims.
V	Nutraceuticals - Background, status of nutraceutical market, definition, difference between nutraceuticals and functional foods, types of nutraceutical compounds and their health benefits, current scenario.

**PERCENTAGE OF SYLLABUS REVISED: 100 %**

**COURSE FOCUSES ON:**

<input checked="" type="checkbox"/> Skill Development	<input type="checkbox"/> Entrepreneurial Development
<input checked="" type="checkbox"/> Employability	<input type="checkbox"/> Gender Sensitization
<input checked="" type="checkbox"/> Intellectual Property Rights (IPR)	<input type="checkbox"/> Innovations
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## Syllabus Revision – Practical Course

### B.Sc. Food Science and Nutrition

Faculty: Bio-Sciences

Board: Food Science and Nutrition

Semester: IV

Course Code/ Name: 223FN1A4CP - Dietetics Practical

Exp. No.	Existing	Changes
1.	<del>Weights and measures of foods</del>	Observation and sensitization on the various scientific formulas in dietetics
2.	<del>Menu</del> planning, <del>prescription</del> and preparation of Normal diet, <del>regular diet</del> , <del>light diet</del> , soft diet, full liquid diet, clear liquid diet <del>and</del> bland diet	Planning and preparation of consistency modified diet - normal diet, soft diet, bland diet, full liquid diet, clear liquid diet
3.	<del>Diet for obesity</del>	Energy imbalance - preparation of high and low calorie diet
4.	<del>Diet for under weight</del>	Enteral nutrition - sensitization on the various scientific formulas for tube feeding
5.	<del>Diet for anemia</del>	Surgery - preparation of diet for pre- and post-operative period
6.	Diet for diseases of the Gastro intestinal tract : pepticulcer, diarrhea, constipation	Gastrointestinal diseases - preparation of diet for diarrhea, constipation, peptic ulcer
7.	Diet for Cardio-vascular diseases- atherosclerosis, hypertension	Cardiovascular diseases - preparation of diet for hypertension, atherosclerosis
8.	Diet for diseases of the kidney – <del>nephritic and nephrotic syndrome</del>	Kidney diseases - preparation of diet for renal calculi, chronic kidney disease, hemodialysis, peritoneal dialysis
9.	<del>Diet before and after dialysis</del>	Cancer - preparation of diet for breast cancer, colorectal cancer, hepatocellular carcinoma
10.	Diet for diabetes – Type <del>1</del> and 2, <del>Diabetes with Cardio-vascular diseases</del>	Diabetes mellitus - preparation of diet for type 2 and gestational diabetes mellitus
11.	Diet in febrile conditions- Short duration – typhoid; long duration – tuberculosis	Febrile conditions - preparation of diet for typhoid, tuberculosis
12.	Diet in liver diseases – Viral hepatitis and cirrhosis	Liver diseases - preparation of diet for hepatitis, cirrhosis
13.	-	AIDS - preparation of diet for HIV infection, AIDS
14.	-	Gall bladder diseases - preparation of diet for cholelithiasis
15.	-	Neurological disorders - preparation of diet for dysphagia, parkinson's disease


Note: Out of 15 – 12 mandatory

PERCENTAGE OF SYLLABUS REVISED: 50%

COURSE FOCUSES ON:

<input checked="" type="checkbox"/> Skill Development	<input checked="" type="checkbox"/> Entrepreneurial Development
<input checked="" type="checkbox"/> Employability	<input type="checkbox"/> Gender Sensitization
<input type="checkbox"/> Intellectual Property Rights (IPR)	<input type="checkbox"/> Social Awareness / Environment
<input checked="" type="checkbox"/> Innovations	<input type="checkbox"/> Constitutional Rights/Human Values/Ethics



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## Syllabus Revision – New Course

### M.Sc. Food and Nutrition

**Faculty: Bio-Sciences**

**Board: Food Science and Nutrition**

**Semester: IV**

**Course Code/ Name: 223FN2A4CA – Public Health Nutrition (New Course)**


Unit	New Course
I	Concept of Public Nutrition : Relationship between health and nutrition, role of public nutritionists in the health care delivery system; Population dynamics - Demographic transition, population structure, population policy, nutrition and quality of life interrelationship; determinants and indicators of health status.
II	Nutritional status Assessment techniques: Definition, Methods of assessments – anthropometry, clinical, biochemical and biochemical and biophysical assessment. Diet survey – Food weight survey, 24 hour recall, food diary and food frequency, food surveillance and security status.
III	Preventive measures of communicable diseases: Definition of epidemiology – causes, signs and symptoms, treatment and prevention of communicable diseases, respiratory infections, intestinal infections, other infections – dengue, filarisis. Types of immunity – active and passive, Immunization agents – vaccine, Immunization schedules, Expanded programme on Immunization, chemoprophylaxis, non-specific measures.
IV	Nutrition Intervention: Nutrition Intervention programmes: Nutritious Noon Meal Programme, ICDS, Anemia Mukh Bharat, Poshan Abhiyan and National Nutrition Mission. Nutrition Education: Objectives and Methods used, integration of nutrition education principles of planning, executing and evaluating, and problems in conducting nutrition education programmes.
V	National and International Organization : National organization – History, objectives and functions of ICAR, ICMR, NIN, CFTRI, DFRL, NIPCCID, NFI and FSSAI – Food fortification Resource Center, Eat Right India Movement, E – Public Distribution System. International Organizations – History, objectives and functions of WHO, FAO, UNICEF, FFHC, WFP, CARE, CRS, AFPRO, and IDA.

**PERCENTAGE OF SYLLABUS REVISED: 100 %**

**COURSE FOCUSES ON:**

<input checked="" type="checkbox"/> Skill Development  <input checked="" type="checkbox"/> Employability  <input type="checkbox"/> Intellectual Property Rights (IPR)  <input type="checkbox"/> Social awareness / Environment	<input type="checkbox"/> Entrepreneurial Development  <input type="checkbox"/> Gender Sensitization  <input type="checkbox"/> Innovations  <input type="checkbox"/> Constitutional Rights/Human Values/Ethics
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		<b>16<sup>th</sup></b>

**Syllabus Revision**  
**M.Sc. Food Science and Nutrition**

**Faculty: Bio-Sciences**

**Board: Food Science and Nutrition**

**Semester: IV**

**Course Code/ Name: 193FN2A4CB - Food Safety and Quality Management (New Course)**

Unit	Existing
I	<b>Food safety and Quality control</b> Principles of food safety and quality - Food Safety System - Quality attributes - Total Quality Management. Good Manufacturing Practices - Risk Analysis, Risk Management, Risk Assessment, Risk Communication - Traceability and authentication. Quality control - Importance, Functions and stages of quality control in food industry. Food quality assurance - HACCP structured approach, principles, benefits and limitations. Role of Food quality control officer, Employment Opportunities as food quality control officer.
II	<b>Government regulations in quality control</b> Indian Standards - FAO/WHO, FSSAI, AGMARK, BIS, ISI, CPA, PFA, FPO, MPO. International Standards Codex Alimentarius, ISO - 9001:2000, 22000:2005 Standards, WTO, FAO, APEDA, JECFA, EPA.
III	<b>Food Standards</b> Food Standards - Cereal and Cereal Products - bread, biscuits, cakes, pasta products. Fruit Products - jam, jellies, ketchup, sauce, squashes. Oil and Fats - coconut oil, groundnut oil, palm oil, rice bran oil, olive oil, sunflower oil, ghee, vanaspati. Milk and products - Skimmed milk powder, partly skimmed milk powder, condensed sweetened milk. Other products - coffee, tea, sugar, honey, toffees.
IV	<b>Food safety laws</b> Food Laws and regulation, Food labeling and Packaging laws. Role of central and state government in imparting quality control - Role of central food laboratory and state food laboratories. Patent - Definition, requirements, patent laws in India, administrator, need for patent system, guidelines for application, non-patentable.
V	<b>Food safety risks and its management</b> Dimensions of risk perception - Consumer perception on food risks and safety, risk and benefits associated with new food technologies. Risk communication. Food Adulteration and cross contamination, Food additives - Intentional and unintentional additives, regulatory bodies. Hygiene practices, GRAS.

**PERCENTAGE OF SYLLABUS REVISED: 100%**

**COURSE FOCUSES ON:**

<input checked="" type="checkbox"/> Skill Development <input checked="" type="checkbox"/> Employability <input type="checkbox"/> Intellectual Property Rights (IPR) <input checked="" type="checkbox"/> Social awareness / Environment	<input type="checkbox"/> Entrepreneurial Development <input type="checkbox"/> Gender Sensitization <input type="checkbox"/> Innovations <input type="checkbox"/> Constitutional Rights/Human Values/Ethics
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## Syllabus Revision M.Sc. Foods and Nutrition

Faculty: Bio-Sciences

Board: Food Science and Nutrition

Semester: IV

Course Code/ Name: 223FN2A4DP – Food Quality Control

S.No.	Existing	Changes
1.	Estimation of moisture and ash content in food samples	
2.	Qualitative tests for pectin in fruits	
3.	Estimation of titratable acidity in fruits	
4.	<del>Determination of citric acid</del>	Determination of citric acid in fruits & vegetables
5.	<del>Determination of acetic acid</del>	Determination of acetic acid in fruits & vegetables
6.	Determination of chlorophyll and anthocyanins in fruits & vegetables	
7.	Determination of methylene blue dye reduction test in milk	
8.	Estimation of lactose in milk	
9.	Estimation of total soluble solids in milk	
10.	<del>Estimation of alcohol content</del>	Estimation of specific gravity in foods
11.	Test for rancidity in oils – Kreis Test	
12.	Food adulteration – Test to detect adulteration	


**Note:** Out of 12 - 10 Mandatory

**PERCENTAGE OF SYLLABUS REVISED: 20 %**

**COURSE FOCUSES ON:**

<input checked="" type="checkbox"/> Skill Development	<input type="checkbox"/> Entrepreneurial Development
<input checked="" type="checkbox"/> Employability	<input type="checkbox"/> Gender Sensitization
<input type="checkbox"/> Intellectual Property Rights (IPR)	<input type="checkbox"/> Social Awareness / Environment
<input type="checkbox"/> Innovations	<input type="checkbox"/> Constitutional Rights/Human Values/Ethics



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**Syllabus Revision – Practical Course**  
**M.Sc. Food and Nutrition**

**Faculty: Bio-Sciences**

**Board: Food Science and Nutrition**

**Semester: IV**

**Course Code/ Name: 223FN2A4DQ - Nutrition in Health**

Exp. No.	Existing	Changes
1.	Menu planning for pregnant mother carrying twins.	
2.	Menu planning for preterm delivery and <del>Miscarriage.</del>	
3.	Menu planning for lactating mother carrying twins.	
4.	Menu planning for adolescents, adult & <del>geriatrics.</del>	
5.	Menu planning for mountaineering & sea voyage.	
6.	<del>Menu planning for physically challenged.</del>	
7.	Menu planning for IT professionals working on different shifts.	Menu planning for IT professionals working on different shifts.
8.	Menu planning for soldiers.	
9.	Menu planning for swimmers.	
10.	Menu planning for weight lifters.	
11.	Menu planning for athletes.	
12.	Menu planning for astronauts.	

**Note:** Out of 12 - 10 Mandatory

**PERCENTAGE OF SYLLABUS REVISED: 20%**

**COURSE FOCUSES ON:**

<input checked="" type="checkbox"/> Skill Development <input checked="" type="checkbox"/> Employability <input type="checkbox"/> Intellectual Property Rights (IPR) <input type="checkbox"/> Innovations	<input type="checkbox"/> Entrepreneurial Development <input type="checkbox"/> Gender Sensitization <input type="checkbox"/> Social Awareness / Environment <input type="checkbox"/> Constitutional Rights/Human Values/Ethics
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## Syllabus Revision – Practical New Course M.Sc. Food and Nutrition

Faculty: Bio-Sciences

Board: Food Science and Nutrition

Semester: IV

Course Code/ Name: 223FN2A4DR - Food Fermentation Techniques (New Course)

Exp. No.	Experiments
01	Preparation of Bread.
02	Preparation of Idly Dosa batter.
03	Preparation of Probiotic drink-Rice water.
04	Preparation of Curd, Yogurt.
05	Preparation of Cheese, kefir.
06	Preparation of Sauerkraut, Kimchi.
07	Preparation of Vinegar - honey, coconut.
08	Preparation of Fermented Pickled cucumber.
09	Preparation of Wine - Grape, Pineapple
10	Preparation of Kombucha.
11	Preparation of Natto, tempeh.
12	Preparation of Soy sauce and miso.

Note: Out of 12 – 10 mandatory.

PERCENTAGE OF SYLLABUS REVISED: 100 %  
COURSE FOCUSES ON:

<input checked="" type="checkbox"/> Skill Development	<input checked="" type="checkbox"/> Entrepreneurial Development
<input checked="" type="checkbox"/> Employability	<input type="checkbox"/> Gender Sensitization
<input type="checkbox"/> Intellectual Property Rights (IPR)	<input type="checkbox"/> Social Awareness / Environment
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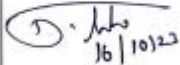
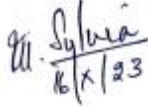



## ATTENDANCE OF SIXTEENTH BOARD OF STUDIES MEETING

Faculty: Bio Sciences Board: Food Science and Nutrition

VENUE : B1 Block – Room No. 1512  
DATE : 16/10/2023  
TIME : 10.00 am

The following members were present for the Board of Studies meeting

S.No.	Name	Designation	Signature*
1.	<b>Dr. D. Sridevi</b> Professor and Head Department of Food Science & Nutrition Dr. N.G.P. ASC	Chairman	 16/10/23
2.	<b>Dr. T. Poongodi Vijayakumar</b> Professor and Head Department of Food Science & Nutrition Periyar University Salem – 11	VC Nominee	ONLINE MODE
3.	<b>Dr.M.Sylvia Subapriya</b> Professor and Head Department of Food Science and Nutrition, Avinashilingam University For Women, Coimbatore-641043.	Subject Expert	 16/10/23
4.	<b>Dr. A. J. Hemamalini</b> Assistant Professor & Head Department of Clinical Nutrition and Dietetics Sri Ramachandra Institute for Higher Education and Research	Subject Expert	 16/10/23
5.	<b>Dr.P. Sathya moorthy,</b> Chairman, Moon Foods & Dr. Yes Aar Team, Sangagiri Main Road, No.155/10, Kollapatti, Animoor PO, Tiruchengode- 637214	Industrial Expert	ABSENT





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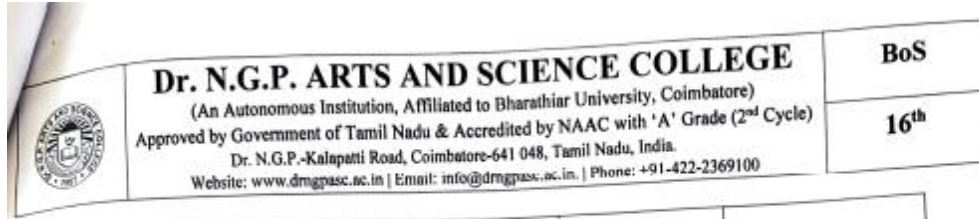
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6.	<b>Gautham Palaniswamy</b> Chief Innovation Officer and Manager, Sathyabama TBI, Sathyabama Institute of Science and Technology, Chennai - 600119	Alumni	ABSENT
7.	<b>Dr. N. Kuppuchamy</b> Associate Professor and Head Department of Tamil Dr. N.G.P. ASC	Co-opted Member	<del>FOUND</del>
8	<b>Dr. R. Vithyaprabha</b> Professor and Head Department of English Dr. N.G.P. ASC	Co-opted Member	R.V.P. 16/10/23
9	<b>Dr. M. Suganthi</b> Associate Professor and Head Department of Chemistry Dr. N.G.P. ASC	Co-opted Member	M.S. 16.10.2023
10	<b>Dr. S. Gowri</b> Professor and Head Department of Biochemistry Dr. N.G.P. ASC	Co-opted Member	Harish
11	<b>Ms. Haritha Sri</b> III B. Sc Department of Food Science & Nutrition Dr. N.G.P. ASC	UG-Student Representative	S.P. Harishgopi



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COIMBATORE | INDIA



Dr. NGPASC  
COIMBATORE | INDIA





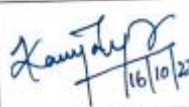
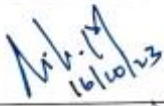


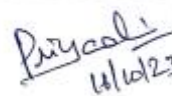

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12	<b>Ms. Divya</b> II M.Sc. Department of Food Science & Nutrition Dr. N.G.P. ASC	PG-Student Representative	
13	<b>Dr. Meera Raman</b> Dean – Bio Science & Applied Science Dr. N.G.P. ASC	Member	 16/10/23
14	<b>Mrs. P. Kanneshwari</b> Assistant Professor Department of Food Science & Nutrition Dr. N.G.P. ASC	Member	ABSENT.
15	<b>Mrs. Kavya Jothi</b> Assistant Professor Department of Food Science & Nutrition Dr. N.G.P. ASC	Member	 16/10/23
16	<b>Ms. M. Anjali</b> Assistant Professor Department of Food Science & Nutrition Dr. N.G.P. ASC	Member	 16/10/23
17	<b>Dr. D. Jancy Rani</b> Assistant Professor Department of Food Science & Nutrition Dr. N.G.P. ASC	Member	 16/10/23
19	<b>Ms. M. Rakeshwari</b> Assistant Professor Department of Food Science & Nutrition Dr. N.G.P. ASC	Member	 16/10/23
20	<b>Ms. G. Priyaalini</b> Assistant Professor Department of Food Science & Nutrition Dr. N.G.P. ASC	Member	 16/10/23
21	<b>Mrs. S. Madumitha</b> Assistant Professor Department of Food Science & Nutrition Dr. N.G.P. ASC	Member	 16/10/23



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Cont., Page No. 18




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22	<b>Mrs. U. Rasikha</b> Assistant Professor Department of Food Science & Nutrition Dr. N.G.P. ASC	Member	<i>U. Rasikha</i> 16/10/2023
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Date: 16/10/2023

  
(Dr. D SRIDEVI)

BoS Chairman/HoD  
Department of Food Science & Nutrition  
Dr. N. G. P Arts and Science College  
Coimbatore – 641 048

