



**Nayak Nityanand Sai Govt. Collage Aara**  
**Dist. – Jashpur (C.G.)**

NAAC Grade – C

Affiliated by – Sant Gahira Guru University Sarguja, Ambikapur



Annexure - I

Date - 01.03.2024


**Value Added Course**


**March - 2024**

**“Food Chemistry in Daily Life”**

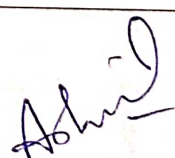
**Syllabus**

<b>Unit-01</b>	1. Water – About water, Structure of water, Chemical bonding, Water testing – pH, TDS, Boiling point, Purification of water, Daily life uses, Advantages and disadvantages. 2. Quiz-01 (6 Hours including Practical and Quiz)
<b>Unit-02</b>	1. Food Ingredients – Proteins, Lipids, Carbohydrates, Minerals, Enzymes, Daily life uses, Advantages and disadvantages. 2. Quiz-02 (6 Hours including Practical and Quiz)
<b>Unit-03</b>	1. Vegetables and Fruits – About, Classification, Composition, Daily life uses, Advantages and disadvantages. 2. Quiz-03 (6 Hours including Practical and Quiz)
<b>Unit-04</b>	1. Beverages – About, Classification, Composition, Daily life uses, Advantages and disadvantages. 2. Quiz-04 (6 Hours including Practical and Quiz)
<b>Unit-05</b>	1. Preservation of Foods – About preservation, Composition, Daily life uses, Advantages and disadvantages. 2. Quiz-05 (6 Hours including Practical and Quiz)
<b>Quiz</b>	All the topic

  
**Mr. B. S. Banjare**  
Asst. Prof. & HOD Dep. of Chemistry  
Nayak Nityanand Sai Govt. Collage Aara  
Department of Chemistry  
Nayak Nityanand Sai  
Govt. Collage Aara Jashpur

  
**Smt. V. Pathak**  
P. Mahapatra

Nayak Nityanand Sai Govt. Collage Aara  
Dist. Jashpur (C.G.)

  
**Mr. A. K. Rainal**  
Asst. Prof. & IQAC Coordinator  
Nayak Nityanand Sai Govt. Collage Aara  
Dist. Jashpur (C.G.)  
**IQAC**  
समन्वयक  
आर. क. रायनल  
सहायक प्राध्यापक, प्रौद्योगिकी  
नयक नित्यानन्द साय शासकीय महाविद्यालय  
आरा, जिला-जशपुर (छ.ग.)

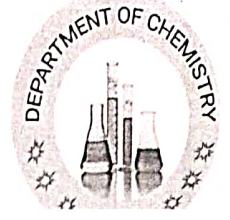


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### Object of Course

Date - 01.03.2024

### “Food Chemistry in Daily Life”

1. The main objective of this course is to make college students aware of the chemical changes found and occurring in the food used in daily life.
2. To acquire information about the nutrients found in the food and drinks in your daily life and to be aware of its effects and side-effects.
3. Mostly this college has students coming from the rural areas to make them aware of the minerals found in the water and the process of their purification.
4. To make students aware of the ways to use and preserve food items properly.
5. With the knowledge of essential nutrients in the body, choosing the right food and taking it in the right amount helps in the growth and development of the body, which increases the Intellectual development of the students.

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Department of Chemistry  
Nayak Nityanand Sai  
Govt. Collage Aara Jashpur

Mr. A.K. Rajpal

Asst. Prof. & IQAC Coordinator  
Nayak Nityanand Sai Govt. Collage Aara  
Dist. – Jashpur (C.G.)

Smt. V. Pathak

Principals  
Nayak Nityanand Sai Govt. Collage Aara  
Dist. – Jashpur (C.G.)

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नायक नित्यानन्द साय शास्त्र महाविद्यालय  
आरा, जिला-जशपुर (बिहार)

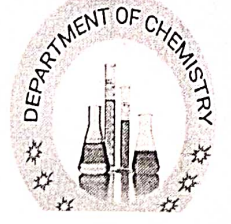


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### Annexure - II


Date - 01.03.2024

1. Name of the Department - Department of Chemistry
2. Programme Offered - UG/PG
3. Detail of the Value Added Course
  - a) Name of the Value Added Course - “Food Chemistry in Daily Life”
  - b) Course Type - Theory and Practical
  - c) Short Description - Attached (Annex. -III)
  - d) Syllabus - Attached (Annex. -II)
4. Target Audience - Yearly and Semester Students
5. Details of the faculty handling the course -
  - a) Name - Mr. Bhupendra Singh Banjare
  - b) Designation - Assistant Professor (Chemistry)
  - c) Email ID - [chemistryaara@gmail.com](mailto:chemistryaara@gmail.com)
  - d) Mobile - +91 81033 81228
6. Tentative Time Table - Attached (Annex. -III)
7. IQAC details -
  - a) Coordinator - Mr. Ashish Kumar Rajpal, (IQAC Coordinator)


Assistant Professor (Zoology)

  
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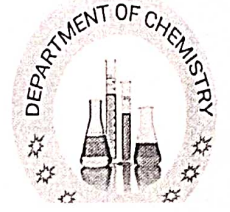
  
IQAC  
समन्वयक  
नायक नित्यानंद साई सरकारी महाविद्यालय  
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## Annexure - III

Date - 01.03.2024

### Value Added Course Tentative Time Table and Schedule

- ❖ Value Added Course Name - “Food Chemistry in Daily Life”
- ❖ Date of Commencement - From 01 March 2024
- ❖ Timming - 9:00 AM to 10:00 AM
- ❖ Tentative Date of Exam - 05 April 2024 (MCQs - Online)
- ❖ Tentative Course Schedule - 01 March 2024 to 04 April 2024 (As per Following)

- 1) Unit -1 Water - 01.03.2024 to 07.03.2024
- 2) Unit -2 Food Ingredients - 08.03.2024 to 14.03.2024
- 3) Unit -3 Vegetables and Fruits - 15.03.2024 to 21.03.2024
- 4) Unit -4 Beverages - 22.03.2024 to 28.03.2024
- 5) Unit -5 Preservation of Foods - 29.03.2024 to 04.04.2024

#### ❖ Description of the Course -

The value added course entitled “Food Chemistry in Daily Life” is the first of its kind of addition in this institute. This course introduces water, food ingredients, vegetables, fruits, beverages, preservation of foods. After enrolling in this course learner will be able to acquire the information of many foods. The main objective of this course is to make college students aware of the chemical changes found and occurring in the food used in daily life. To acquire information about the nutrients found in the food and drinks in your daily life and to be aware of its effects and side-effects. To make students aware of the ways to use and preserve food items properly.

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समन्वयक

नायक नित्यानन्द साय सरकारी महाविद्यालय  
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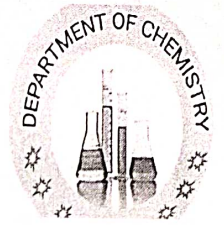
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Date - 01.03.2024

Value Added Course - “Food Chemistry in Daily Life”

Schedule - 01.03.2024 to 04.04.2024

Time - 9:00 AM to 10:00 AM

Exam - 05 April 2024

### List of Students Registered For This Course

S.N.	Registration No.	Name of Student	Class
1.	VAC/GCA/2024/01	Alexender Toppo	M.Sc. -II Sem.
2.	VAC/GCA/2024/02	Anup Ram	M.Sc. -II Sem.
3.	VAC/GCA/2024/03	Bharti Yadav	M.Sc. -II Sem.
4.	VAC/GCA/2024/04	Deepika Singh	M.Sc. -II Sem.
5.	VAC/GCA/2024/05	Harinand Chakresh	M.Sc. -II Sem.
6.	VAC/GCA/2024/06	Kapil Kumar Bhagat	M.Sc. -II Sem.
7.	VAC/GCA/2024/07	Md. Gufran Khan	M.Sc. -II Sem.
8.	VAC/GCA/2024/08	Pushpa Yadav	M.Sc. -II Sem.
9.	VAC/GCA/2024/09	Ranjeeta Kujur	M.Sc. -II Sem.
10.	VAC/GCA/2024/10	Sushmita Bai	M.Sc. -II Sem.

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