

# **DEPARTMENT PROFILE**

SESSION: 2021-22

**NAME OF THE DEPARTMENT: CHEMISTRY**

**VISION and MISSION:**

## **VISION**

Our vision is to create a transformative force, achieving societal advancement through educational excellence and enhance the academic standard of the Department to promote intellectual growth in the realm of Chemistry.

## **MISSION**

- To impart quality education, sensitizing professional integrity and individual dignity.
- To inculcate an academic excellence, delivering innovative and student-centric instruction in a positive and nurturing environment that equips graduates with scientific knowledge and analytical thinking.
- To support and care the students for the quality of their scholarship, service, and leadership.

## **HISTORY OF THE DEPARTMENT:**

**COURSES OFFERED: UG**

**YEAR OPENING OF HONOURS SUBJECT: 1946**

**YEAR OPENING OF PG SUBJECT:**

**STUDENT STRENGTH UG: 96**

SL.NO	COURSE	YEAR	SANCTIONED STRENGTH	STUDENTS ADMITTED
1	1 <sup>st</sup> Yr. BSc. Chemistry (Hons.)	2021 - 22	32	32
2	2 <sup>nd</sup> Yr. BSc. Chemistry (Hons.)	2021 - 22	32	32
3	3 <sup>rd</sup> Yr. BSc. Chemistry (Hons.)	2021 -22	32	32

**STUDENT STRENGTH PG:**

SL.NO	COURSE	YEAR	SANCTIONED STRENGTH	STUDENTS ADMITTED

**First Semester**

PAPER CODE	TITLE OF THE PAPER	FULL MARK	CREDIT	MID SEM. MARK	END SEM MARK	END SEM PRAC
AECC-I	Environmental Studies and Disaster Management	100	4	20	80	
CC -I	Inorganic Chemistry-I Inorganic Chemistry-I Lab	100	6	15	60	25
CC-II	Physical Chemistry-I Physical Chemistry-I Lab	100	6	15	60	25
GE-I	GE-I GE-I Lab	100	6	15	60	25
<b>Total</b>		<b>400</b>	<b>22</b>			

## Second Semester

PAPER CODE	TITLE OF THE PAPER	FULL MARK	CREDIT	MID SEM. MARK	END SEM MARK	END SEM PRAC
AECC-II	MIL(ODIA)/ALT. ENG	100	4	20	80	
CC -III	Organic Chemistry-I Organic Chemistry-I Lab	100	6	15	60	25
CC-IV	Physical Chemistry-II Physical Chemistry-II Lab	100	6	15	60	25
GE-II	GE-II GE-II Lab	100	6	15	60	25
<b>Total</b>		<b>400</b>	<b>22</b>			

## Third Semester

PAPER CODE	TITLE OF THE PAPER	FULL MARK	CREDIT	MID SEM. MARK	END SEM MARK	END SEM PRAC
SEC-I	English	100	4	20	80	
CC -V	Inorganic Chemistry-II Inorganic Chemistry-II Lab	100	6	15	60	25
CC-VI	Organic Chemistry-II Organic Chemistry-II Lab	100	6	15	60	25
CC- VII	Physical Chemistry-III	100	6	15	60	25

	<b>Physical Chemistry-III Lab</b>					
<b>GE- III</b>	<b>GE-III</b> <b>GE-III Lab</b>	<b>100</b>	<b>6</b>	<b>15</b>	<b>60</b>	<b>25</b>
<b>Total</b>		<b>500</b>	<b>28</b>			

#### Fourth Semester

<b>PAPER CODE</b>	<b>TITLE OF THE PAPER</b>	<b>FULL MARK</b>	<b>CREDIT</b>	<b>MID SEM. MARK</b>	<b>END SEM MARK</b>	<b>END SEM PRAC</b>
<b>SEC-II</b>	<b>QLT</b>	<b>100</b>	<b>4</b>	<b>20</b>	<b>80</b>	
<b>CC -VIII</b>	<b>Inorganic Chemistry-III</b> <b>Inorganic Chemistry-III Lab</b>	<b>100</b>	<b>6</b>	<b>15</b>	<b>60</b>	<b>25</b>
<b>CC-IX</b>	<b>Organic Chemistry-III</b> <b>Organic Chemistry-III Lab</b>	<b>100</b>	<b>6</b>	<b>15</b>	<b>60</b>	<b>25</b>
<b>CC- X</b>	<b>Physical Chemistry-IV</b> <b>Physical Chemistry-IV Lab</b>	<b>100</b>	<b>6</b>	<b>15</b>	<b>60</b>	<b>25</b>
<b>GE- IV</b>	<b>GE-IV</b> <b>GE-IV Lab</b>	<b>100</b>	<b>6</b>	<b>15</b>	<b>60</b>	<b>25</b>
<b>Total</b>		<b>500</b>	<b>28</b>			

## Fifth Semester

PAPER CODE	TITLE OF THE PAPER	FULL MARK	CREDIT	MID SEM. MARK	END SEM MARK	END SEM PRAC
CC -XI	Organic Chemistry-IV Organic Chemistry-IV Lab	100	6	15	60	25
CC-XII	Physical Chemistry-V Physical Chemistry-V Lab	100	6	15	60	25
DSE-I	Polymer Chemistry DSE-I Practical	100	6	15	60	25
DSE- II	Green Chemistry DSE-II Practical	100	6	15	60	25
<b>Total</b>		<b>400</b>	<b>24</b>	<b>60</b>	<b>240</b>	<b>100</b>

## Sixth Semester

PAPER CODE	TITLE OF THE PAPER	FULL MARK	CREDIT	MID SEM. MARK	END SEM MARK	END SEM PRAC
CC -XIII	Inorganic Chemistry-IV Inorganic Chemistry-IV Lab	100	6	15	60	25
CC-XIV	Organic Chemistry-V Organic Chemistry-V Lab	100	6	15	60	25
DSE-III	Industrial Chemicals &	100	6	15	60	25

	<b>Environment DSE-III Practical</b>					
<b>DSE- IV</b>	<b>Dissertation</b>	<b>100</b>	<b>6</b>			
<b>Total</b>		<b>400</b>	<b>24</b>	<b>60</b>	<b>240</b>	<b>100</b>

### First semester

Paper Code	Title of the paper
<b>AECC-I</b>	<b>Environmental Studies and Disaster Management</b>
<b>CC -I</b>	<b>Inorganic Chemistry-I Inorganic Chemistry-I Lab</b>
<b>CC-II</b>	<b>Physical Chemistry-I Physical Chemistry-I Lab</b>
<b>GE-I</b>	<b>GE-I GE-I Lab</b>

### Second semester

Paper Code	Title of the paper
<b>AECC-II</b>	<b>MIL(ODIA)/ALT. ENG</b>
<b>CC -III</b>	<b>Organic Chemistry-I Organic Chemistry-I Lab</b>
<b>CC-IV</b>	<b>Physical Chemistry-II Physical Chemistry-II Lab</b>
<b>GE-II</b>	<b>GE-II GE-II Lab</b>

### Third semester

Paper Code	Title of the paper
SEC-I	English
CC -V	Inorganic Chemistry-II Inorganic Chemistry-II Lab
CC-VI	Organic Chemistry-II Organic Chemistry-II Lab
CC- VII	Physical Chemistry-III Physical Chemistry-III Lab
GE- III	GE-III GE-III Lab

### Fourth semester

Paper Code	Title of the paper
SEC-II	QLT
CC -VIII	Inorganic Chemistry-III Inorganic Chemistry-III Lab
CC-IX	Organic Chemistry-III Organic Chemistry-III Lab
CC- X	Physical Chemistry-IV Physical Chemistry-IV Lab
GE- IV	GE-IV GE-IV Lab

### Fifth semester

Paper Code	Title of the paper
CC -XI	Organic Chemistry-IV Organic Chemistry-IV Lab
CC-XII	Physical Chemistry-V Physical Chemistry-V Lab
DSE-I	Polymer Chemistry DSE-I Practical
DSE- II	Green Chemistry DSE-II Practical

## Sixth semester

Paper Code	Title of the paper
CC -XIII	Inorganic Chemistry-IV Inorganic Chemistry-IV Lab
CC-XIV	Organic Chemistry-V Organic Chemistry-V Lab
DSE-III	Industrial Chemicals & Environment DSE-III Practical
DSE- IV	Dissertation

PG			
NAME OF THE PAPAER	MARKS		CREDIT POINTS
	INTERNAL	SEMESTER	

## INFRASTRUCTURE:

The Department is equipped with six (06) class rooms and two (02) Galleries for theory classes. There are two well furnished laboratories with 24 capacities each. The laboratories have following instrumental facilities.

1	UV-Vis Spectrophotometer (Systronics)	3
2	Stalgmo meter	15
3	Flame photometer	2
4	Compressor	1



5	Conductivity meter	5
6	Potentiometer	2
7	Colorimeter	2
8	Heating mantle	5
9	Magnetic stirrer with hot plate	5
10	Weighing balance	4
11	pH meter	4
12	Incubator	1
13	Hot air oven	2
14	Viscometer	15

## **ACHIEVERS:**

- Dibyassa Jyoti Pati (Topper) pursuing MSc Chemistry in Fakir Mohan University, Balasore, Odisha (qualified Common PG entrance Examination of Odisha)
- Deeptibala Prusti pursuing MSc in NIT Durgapur, WB (Qualified IIT-JAM)
- Rajat Sahoo has qualified CUET and pursuing MSc Chemistry in Central University, Sagar, Madhya Pradesh.
- Jeeban Jyoti Das pursuing MSc in North Odisha University, Baripada. (qualified Common PG entrance Examination of Odisha)
- Four students have joined in Central Govt. services after qualifying the recruitment examinations.
- Five students are continuing with their B.ed degree through state entrance examinations
- Three students have qualified Odisha JEE and are pursuing professional courses.

## SEMINARS:

29 students presented their seminar on Chemistry and interdisciplinary topics during March 2022





STUDENTS' PROGRESSION:

STUDENTS' PLACEMENT:

- Two students have joined in Govt. services.

STUDENT GOT NET/SLET/GATE/ JRF ETC.: **One student qualified IIT-JAM**

## FACULTY PROFILE:

NAME	DESIGNATION	QUALIFICATION	Experience in years	PHOTO
DrBishnuCharan Das	M.Sc, M.Phil, Ph.D	Asst. Professor	22	
Dr Kishore Chandra Jena	M.Sc, B.Ed, L.L.B., M.Phil, Ph.D	Asst. Professor	04	
Dr Dibyalochansingh	M.Sc, M.Phil, Ph.D, B.Ed, MA.Ed	Asst. Professor	10	
Smt. Subhashree Mangaraj	M.Sc, M.Phil	Asst. Professor	09	
Sri Balaram Senapati	M.Sc	Guest Faculty	04	
Dr Pramod Kumar Sethi	M. Sc, Ph.D	Laboratory Assistant-cum-store keeper	01	
Sri Sabyasachi Das	M. Sc	Laboratory Assistant-cum-store keeper	01	
Sri Ranjan Kumar Barik	M. Sc	Laboratory Assistant-cum-store keeper	01	

REMARKABLE ACHIEVEMENTS:

PUBLICATIONS:

ALUMNI: