

**Department of Chemistry
St. Edmund's College, Shillong**

Report on

**VALUE ADDED COURSE
Chemistry Based Applications**



Organized by
Department of Chemistry
St. Edmund's College, Shillong



Department of Chemistry St. Edmund's College

(Affiliated to North Eastern Hill University, Shillong)
Recognized by the University Grant Commission under 2 (f) and 12 (B) of UGC act 1956)
Laitumkhrah, Shillong – 793003, Meghalaya, India

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Acknowledgements

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- ⇒ Br. (Dr) Simon Coelho, Secretary (GB), St. Edmund's College, Shillong
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- ⇒ Prof. Monotosh Chakravarty, Vice Principal, St. Edmund's College, Shillong
- ⇒ Prof. Sumit Deb, Head, Department of Chemistry & IQAC Coordinator, St. Edmund's College, Shillong
- ⇒ Br. S Julius, Bursar, St. Edmund's College, Shillong
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- ⇒ Prof. Subhrajyoti Chowdhury, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Dr. Iadeishisha Kharbangar, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Dr. Khrawborlang Nongsiej, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Joanna Jessica Thabah, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Fiona Jenneth War, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Lakhamti Badwar, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Replica H Awomi, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Akumrenla Longkumer, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr L Suraj Singh, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Irungbam karan Kumar, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Thimusstar Khongrymmai & Mr Himboklang Kharkongor, Lab Attendant, Departmentt of Chemistry, St. Edmund's College, Shillong
- ⇒ All the students participants.

1. Title of the Course:

Value Added Course on Chemistry Based Applications

2. Course Code No:

SEC/CHEM/VAC/2021/1

3. Total Contact Hours:

15 hrs

4. Total Credits:

Non-Credit Course (Skill enhancement)

5. Date of Approval

26th November 2021

5. Opening of registration process:

6. Closing of Registration Process:

7. Mode of Registration:

Offline

8. Weblink for Registration:

9. Date for Commencement of the Course:

3rd December 2021

10. Closing of the course:

4th December 2022

11. Duration:

2 days

12. Total No of Students Enrolled:

76 UG Students

13. Registration Fees:

NIL

14. Total Registration Fees Collected:

NA

15. Course Coordinator:

Prof. Baristar Lyngkhai Assistant Professor, Department of Chemistry, St. Edmund's College, Shillong

16. Demonstrators:

Ms Joanna Jessica Thabah

Department of Chemistry, St. Edmund's College, Shillong

Ms Fiona Jenneth War

Department of Chemistry, St. Edmund's College, Shillong

Ms Lakhamti Badwar

Department of Chemistry, St. Edmund's College, Shillong

Ms Replica H Awomi

Department of Chemistry, St. Edmund's College, Shillong

Ms Akumrenla Longkumer

Department of Chemistry, St. Edmund's College, Shillong

Mr L Suraj Singh

Department of Chemistry, St. Edmund's College, Shillong

Mr Irungbam karan Kumar

Department of Chemistry, St. Edmund's College, Shillong

Course description

The principles of Chemistry have been used for the benefit of mankind. Think of cleanliness – the materials like soaps, detergents, household bleaches, toothpaste, hand sanitizers, etc. have been used in our daily life. A glance of our clothing– immediately chemicals of the synthetic fibres used for making clothes and chemicals giving colors to them will come to our mind.

Course structure

The VAC syllabus proposed is of 10 contact hours with 3 modules units (Module 1, Module 2 & Module 3). Each of these contact hours has course on chemistry based applications. Furthermore, the modules was followed by lab demonstration of the experiments and finally at the end, appropriate feedback was collected.

Module	Name of thePaper	Contact Hours		TOTAL
		Theory	Experiments/ Lab	
1	Candle Making	1	2	3
2	Preparation of Soaps	1	2	3
3	Preparation of Hand Sanitizers	1	2	3
4	Interaction/feedback session	1		1
Total				10

Mode of Conduct of the Course

The course was conducted completely offline in the Chemistry AV Room and Chemistry Laboratory. The mode of presentation was done using ICT tools enabled in the AV room. Student's feedback was collected after the course and accordingly, effective tools were implemented for making the teaching learning process in effective manner.

List of Students Attended for the Course

SL No.	CLASS R/N	NAMES	SEMESTER
1	19/CHEM/201	SUMIT RANJAN TALUKDAR	V
2	19/CHEM/210	WANKERLANG DKHAR	V
3	19/CHEM/212	LIZA MARY J WANKHAR	V
4	19/CHEM/214	RISHANMI I LAMARE	V
5	19/CHEM/230	KHELAN TERANG	V
6	19/CHEM/233	JAMKYRPANG SYIEMLIEH	V
7	19/CHEM/235	L SURAJ SINGH	V
8	19/CHEM/239	KYRSHANSKHEM RYNJAH	V
9	19/CHEM/241	RAVI PRASAD RAY	V
10	19/CHEM/249	AKUMRENLA LONGKUMER	V
11	19/CHEM/505	JOANNA JESSICA THABAH	V
12	19/CHEM/514	RITTIKA DAS CHOUDHURY	V
13	19/CHEM/202	FELIX RETURNMI LAMARE	V
14	19/CHEM/204	JESSE VINCENT SAWIAN	V
15	19/CHEM/206	MICHAEL MAWRIE	V
16	19/CHEM/207	ABHISHEK MODAK	V
17	19/CHEM/208	DISAKA SUNGOH	V
18	19/CHEM/216	DAWANSHISHA KHARRYNGKI	V
19	19/CHEM/218	JARVIS B MARAK	V
20	19/CHEM/219	TEDEUM L DAMUS BIAM	V
21	19/CHEM/221	KAMJUJH DHAR	V
22	19/CHEM/224	BAHUNLANG TALANG	V
23	19/CHEM/225	FIONA JENETH WAR	V
24	19/CHEM/229	REPLICA H AWOMI	V
25	19/CHEM/231	LAKHAMTI BADWAR	V
26	19/CHEM/237	SYRPAILIN SUCHIANG	V
27	19/CHEM/242	LAISHRAM GANASHYAM SINGH	V
28	19/CHEM/245	DENGKUPAR KHARKONGOR	V
29	19/CHEM/247	JORA DEBBARMA	V
30	19/CHEM/248	IRUNGBAM KARAN KUMAR	V
31	19/CHEM/502	RISHAB BISWAS	V
32	19/CHEM/511	DEEKSHIA BHATTACHAN	V
33	19/CHEM/512	DAFFINIA BADWAR	V
34	20/CHEM/201	MEBANSHAN SYNGKON	III
35	20/CHEM/205	LAPYNTNGEN KHARNAIOR	III
36	20/CHEM/206	GRANDSTARWELL NONGBRI	III
37	20/CHEM/210	R BAMELARI L NONGLAIT	III
38	20/CHEM/211	FESTARSON LYGDOH	III
39	20/CHEM/212	ELECTRA KASHYAP	III

40	20/CHEM/214	CHELSIA ROSSETTA MAWROH	III
41	20/CHEM/215	NINEBRIGHTNESS SIANGSHAI	III
42	20/CHEM/216	COSTARFIELD LYNGDOH	III
43	20/CHEM/218	ANURAG PAUL CHOUDHURY	III
44	20/CHEM/223	PAMPI SONOWAL	III
45	20/CHEM/225	PHIDARISUK WANNIANG	III
46	20/CHEM/226	RAVI SHANKAR YADAV	III
47	20/CHEM/227	IBANSAROI DKHAR	III
48	20/CHEM/228	OBESTAR K.DEWSAW	III
49	20/CHEM/230	AROUPE CH MAJUMDAR	III
50	20/CHEM/231	RANISHA BEGUM	III
51	20/CHEM/232	MANASH PRATIM KAUSHIK	III
52	20/CHEM/234	SEIMINHAO KHONGSAI	III
53	20/CHEM/202	BHIM BAHADUR CHETRY	III
54	20/CHEM/204	DEIMONMI LYNGDOH	III
55	20/CHEM/209	FIRSTARWELL KHONGMALAI	III
56	20/CHEM/229	LAWANRI BAREH	III
57	20/CHEM/233	SHAHIL DAS	III
58	20/CHEM/235	DHIRAJ KUMAR RAY	III
59	20/CHEM/236	DIPANKAR DAS	III
60	21/CHEM/205	HIDAM BANDANA CHANU	I
61	21/CHEM/206	SATYAM SINHA	I
62	21/CHEM/214	ANGKUR PHUKAN	I
63	21/CHEM/219	BITAPEE CHOUDHURY	I
64	21/CHEM/222	ISHA PRADHAN	I
65	21/CHEM/203	BALASHEMBHA K MUSULMAN	I
66	21/CHEM/210	JYOTI KUMARI	I
67	21/CHEM/211	SANKIRU SYNNAH	I
68	21/CHEM/212	KORDOR BAREH	I
69	21/CHEM/215	AMARDEEP NATH	I
70	21/CHEM/218	BALAAIJINGHUN LYNGDOH	I
71	21/CHEM/220	KERLANG HADIA	I
72	21/CHEM/221	TIRTHANKAR DAS	I
73	21/CHEM/223	H PRIYA DEVI	I
74	21/CHEM/224	H YAIPHABA SINGHA	I
75	21/CHEM/226	GIRISH ASHEM	I
76	21/CHEM/225	LOISY DARLONG	I

Feedback of Participants

Name: Rishab Biswas

Roll no: S1901436 (class-502)

Feedback: Learnt new things and gained experience. Much satisfied.

Name - Disaka Sungok

class - 5th sem

Roll no - 208

It was interesting and then i know how soap, handsanitizer and candles are made.

Name: Bahumlang Talang

Roll no: 224 (5th sem)

from this value added course so much information i got to learn from soap making, candle making and hand sanitizers and hope this will benefit me in the near future.

Name: Daffin Barwar

Roll no: S1901438

Feedback: it was very interesting and I learned a lot from the experience.

Ritika Das Choudhury
31901411 {5th semester}

It was interesting and I got to learn many new things. we should often have these kind of programs.

Lakhamti Barwar.

S1901427

This program was a complete success because not only was it fun but we learned how to make candles, soap and hand sanitizer which will surely benefit us in our future.

Name- Jona Sekharan
Roll no.- 247 (5th Sem)

Value Added course
→ I got to learn about the preparation of soap, candle and hand-sanitizer. Thank you.

Name:- LAISHRAM GANASHYAM

Roll no:- 242

5th Sem.

These programme give new ideas, values to me. I can make sanitizer at home after watching/attaining this course. Thank to our Department.

Name - Ritankari
Damare

Semester - 5th Sem.

Roll no - 19/CHEM/214
NEHU Roll No - S1901307
Outcome:-

It is a very great pleasure to see my classmate performed this value added course which gives us some thing that which we as chemistry is very much needed in our life.

Name: Anurag Paul Choudhury

Roll no: 20/CHEM/218

Roll no (NEHU): S2001388

Feedback: The value added course was very beneficial as we got to learn new informative things as soap making, etc. We really enjoyed the value added course we could do. I thank our seniors, and our chemistry department for giving us this opportunity.

Name: Tyoti Kumari

Roll no: 21/CHEM/210

Class: BSC 1st semester

I have gain knowledge from this experiments that how to make candle, soaps, sanitizer on our own way in such a condition if we don't have we can make it.

GIRISH ASHEM

21/CHEM/226

The programme was wonderful. It has provided us the opportunity to learn a lot of new things. I have learnt to make sanitizers, soap and candle. I really enjoyed the programme.

THANK U 😊

ATTACHMENTS:

1. Brochure



Value Added Course
(For the students, by the students)

Title : Chemistry Based Applications

Organized by :
B.Sc. 5th Semester Students
Department of Chemistry
St. Edmund's College, Shillong

Date : 3rd – 4th December, 2021
Venue : New AV Room,
St. Edmund's College

Module - 1
Candle Making

Module - 2
Soap Preparation

Module - 3
Hand Sanitizer Preparation

Targeted Groups:
Chemistry Honours Students
From 3rd and 1st Semester.

2. Photo gallery:

