

Nallamuthu Gounder Mahalingam College, Pollachi

DEPARTMENT OF CHEMISTRY

Academic Year: 2023-2024

2.6.1. Proof for Programme Outcomes and Course Outcomes

for all Programmes offered by the institution are

communicated to students

Department of Chemistry

B.Sc. Programme

Vision

The Department of Chemistry aspires to be among the top in the nation by preparing the students in such a way that they are self-reliant, highly informed and a better choice in the demanding and ever-changing world.

Mission

The teaching of Chemistry aims to: gear the students to be liberative, transformative and empowering the Learner and the Learned (Teacher).

Program Educational Objectives:

The graduates of B.Sc. Chemistry are expected to attain the following PEOs within five to seven years of their graduation. The main objectives of the programme are

PEO1	To prepare the students to have in depth knowledge and skills in the core areas of chemical science
PEO2	To develop the students to have multi-disciplinary subject knowledge both in the diverse fields of chemical science such as analytical chemistry, pharmaceutical chemistry, leather chemistry and also its allied subjects like mathematics, physics and biology
PEO3	To provide knowledge and skills in the frontier areas of chemical research
PEO4	To develop critical thinking, problem solving ability and analytical reasoning in solving the problems pertaining to the environment, sustainable development, their chosen career and higher studies
PEO5	To develop professional, practical, leadership and entrepreneurial skills in their chosen field and practice it with moral and ethical virtues

Program Outcomes:

PO1	<i>Ethics and social responsibilities</i> Commitment to sustainability and rich ethical standards in social and professional practices
PO2	<i>Communicative and writing skills</i> Understand the language usage with development of communicative and written skills
PO3	<i>Inter and trans disciplinary development</i> Understand principles and theories of organic, inorganic, physical, analytical, pharmaceutical, leather and environmental chemistry with cross cutting approach
PO4	<i>Problem solving analysis</i> Solve complex scientific problems by conducting scientific derivation or chemical analysis
PO5	<i>Individual and team work</i> Function effectively as member or leaders in diverse teams, and in multi-disciplinary environment
PO6	<i>Chemicals and tools usage</i> Acquire skills pertaining to safe handling of chemicals, apparatus, instruments and modern tools with proper functionality
PO7	<i>Disciplinary knowledge development</i> Apply possessed knowledge of fundamentals in chemistry to solve associated problems
PO8	<i>Professional skill development</i> To impart professional skill sets in chemistry and meet out the current chemical industry needs

Program Specific Outcomes:

PSO - 01	<i>Life long learning</i> Develop the practices of lifelong learning in laboratory, analytical/pharmaceutical/leather chemistry skills and interpret knowledge in the working environment
PSO - 02	<i>Education and Employment</i> Ability to pursue higher studies of specialization and take up employment in analytical/pharmaceutical/leather industry

2021 - BATCH

V & VI - SEMESTERS

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY507			Title	Batch:	2021 – 2024
Lecture Hrs./Week	4	Tutorials/Sem	1	Core Paper- V Coordination and Bioinorganic Chemistry	Semester:	V
					Credits:	4

Course Objective

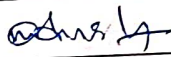
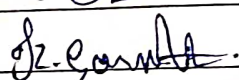
To impart essential knowledge regarding the terminologies, theories of coordination chemistry, bonding, structure and stereochemistry of coordination compounds and Bioinorganic chemistry to succeed a chemistry graduate program.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Reminisce the important terms in coordination chemistry	K1
CO2	Understand different theories of coordination compounds	K2
CO3	Apply the theories of bonding in coordination complexes	K3
CO4	Predict the reaction mechanisms in coordination complexes and Determine the stability constant by Job's and Bjerrum's method	K4 & K5
CO5	Acquire knowledge in Bioinorganic chemistry and metal carbonyls	K4

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	Mr. AKASH	
2.	21-CH-02	S. Balavignesh	
3.	21-CH-03	S. GOKUL SANJAY	
4.	21-CH-04	Sr. Gokulakrishnan	

5.	21-CH-05	K. Gurus chandran	K. Gurus.
6.	21-CH-06	M. Hariharan	Hamithun
7.	21-CH-07	M. Irfan Javith	M. Irfan Javith
8.	21-CH-08	K. Kaleeswarar	K. Kaleeswarar
9.	21-CH-10	G. KARTHIKEYAN	Guthu.
10.	21-CH-11	S. Kavipravin	S. Kaip
11.	21-CH-12	R. Madhankumar	R. M.
12.	21-CH-13	S. Manodeepak	S. Manodeepak
13.	21-CH-14	K. Manoranjan	K. Manoranjan
14.	21-CH-15	K. Praveenkumar	K. Praveen.
15.	21-CH-16	S. Rishi	
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sumanandha Bharathi	H. Sumanandha Bharathi
18.	21-CH-19	M. Sureshprasad	M. Suresh.
19.	21-CH-21	F. Vijayaraj	F. Vijayaraj
20.	21-CH-23	ABINAYA.V	V. Abin
21.	21-CH-24	S. Ananya	S. Ananya.
22.	21-CH-25	Anesha.S.A	S. A. Anesha.
23.	21-CH-26	S. Anusya	S. Anusya
24.	21-CH-28	Bananiha.A	A. Banani
25.	21-CH-29	K. Deepika.	K. Deepika.
26.	21-CH-30	T. Devaki	T. Devaki
27.	21-CH-32	G. GOKULA PRIYA.	G. Gokula
28.	21-CH-33	GOPIKA.R	R. Gopika
29.	21-CH-34	M. Janani	M. Janani
30.	21-CH-35	S. Kavya.	S. Kavya.
31.	21-CH-36	S. Lalitha Sri	S. Lalitha Sri.
32.	21-CH-37	K. Madhumitha	K. Madhumitha.

33	21-CH-38	M.S. Madhuranvani	M.S. Madhuranvani
34	21-CH-39	NANDHIM.V	Nandhi
35	21-CH-40	NAVYA NARAYANAN	D.V.
36	21-CH-41	NESHA.V	N.V.
37	21-CH-42	Nivethitha.V	Nivethitha.V
38	21-CH-43	PAVITHRA.K.	K.Pavithra
39	21-CH-45	R. Ritthika Darshini	R.Darshini
40	21-CH-46	V. Saranya	Saranya
41	21-CH-47	M. Sairavashini	Absent
42	21-CH-48	M. Subasree	Subasree
43	21-CH-49	A. Sujivardhini	A.Suji
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	Swetha.K	R. Swetha
46	21-CH-53	D. Vaishnavi	D. Vaishnavi

M. S.

Signature of the Course Teacher

Dr. Indumathy

HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.

Dr. R. Muthukumar

Principal

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Pollachi - 642
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY508			Title	Batch:	2021 – 2024
				Core - VI	Semester:	V
Lecture Hrs./Week	4	Tutorial Hrs./Sem	1	Organic Chemistry – I	Credits:	4

Course Objective

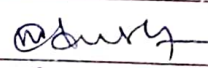
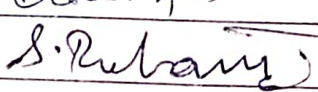
To make the students to understand the mechanisms of molecular rearrangements, to acquire knowledge on heterocyclic compounds, carbohydrate chemistry and structural elucidation of natural products.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect and interpret the mechanisms of molecular rearrangements	K1, K4
CO2	Understand the significance of heterocyclic compounds	K2
CO3	Understand the importance of carbohydrate chemistry	K2
CO4	Apply and interpret various chemical methods in deducing the structures of alkaloids	K3, K4
CO5	Apply and deduce the structure of terpenoids	K3, K4

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	
2.	21-CH-02	S. Balavignesh	

3.	21-CH-03	S. Gokul Smitany	S. Gokul
4.	21-CH-04	K. Gokulakrishnan	K. Gokul
5.	21-CH-05	K. Gurus Chandran	K. Gurus
6.	21-CH-06	M. Haruharan	M. Haruharan
7.	21-CH-07	M. Srikanth Javith	M. Srikanth
8.	21-CH-08	K. Kaleswaran	K. Kaleswaran
9.	21-CH-10	G. KARTHIKEYAN	G. K. Karthi
10.	21-CH-11	KAVIPRAWIN. S	S. Kavip
11.	21-CH-12	R. Madhankumar	R. M.
12.	21-CH-13	S. Manodeepak	S. Manodeepak
13.	21-CH-14	K. Manojanith	K. Manojanith
14.	21-CH-15	K. Prameekumar	K. Prameekumar
15.	21-CH-16	S. Rishi	S. Rishi
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sivanandha Bharathi	M. Sivanandha Bharathi
18.	21-CH-19	M. Suryaprasada	M. Suryaprasada
19.	21-CH-21	E. Vijayaraj.	E. Vijayaraj.
20.	21-CH-23	ABINAYA. V	V. Abinaya
21.	21-CH-24	S. Akalya	S. Akalya
22.	21-CH-25	Aneesh. S. A	S. A. Aneesh.
23.	21-CH-26	D. Anusuya	D. Anusuya
24.	21-CH-28	BAVANIHA. A	A. Bavanil.
25.	21-CH-29.	K. Deepika	K. Deepika.
26.	21-CH-30	T. Devaki.	T. Devaki.
27.	21-CH-32	G. Gokula Priya.	G. Gokula
28.	21-CH-33	GIPIKA. R	R. Gopika
29.	21-CH-34	M. Janani	M. Janani
30.	21-CH-35	S. Kavya.	S. Kavya.

31	21-CH-36	S. Lalitha Sri	S. Lalitha sri.
32	21-CH-37	Madhumitha . K	f. Madh
33	21-CH-38	M. S. Madhuranani	M. S. Madhuranani
34	21-CH-39	NANDHINI . V	Nandhi
35	21-CH-40	NAYYA NARAYANAN	Del.
36	21-CH-41	NESHA . V	Ran . V
37	21-CH-42	Niveethitha . V	Christina V.
38	21-CH-43	PAVITHRA . K	K. P. f.
39	21-CH-45	R. Rithika Darshni	Dehi
40	21-CH-46	V. Saranya	Sarany
41	21-CH-47	M. Sri Varshini	Absent
42	21-CH-48	M. Subaree	M. Sub
43	21-CH-49	A. Sujitha	A. Sujitha
44	21-CH-50	N. Sumithra	N. Sumithra .
45	21-CH-51	Swetha . K	K. Swetha
46	21-CH-53	D. Vaishnavi	D. Vaishnavi


Signature of the Course Teacher


HoD
Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.


PRINCIPAL
Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., P
PRINCIPAL
N.G.M. College, Pollachi - 642
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY509			Title	Batch:	2021 – 2024
				Core Paper – VII Electro Chemistry	Semester:	V
Lecture Hrs./Week	4	Tutorial Hrs./Sem.	1		Credits:	4

Course Objective

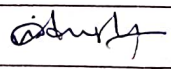
To learn about the theories of conductance, basic principles and applications of electrochemical cells and apply electro chemical principles to fuel cells, batteries and mechanism of corrosion.

Course Outcomes

On the successful completion of the course, students will be able to

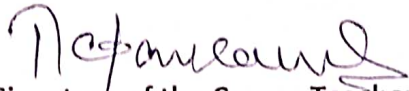
CO Number	CO Statement	Knowledge Level
CO1	Discuss the theories/laws of conductance, apply the theories of electrolytes	K2, K3
CO2	Construct the electrochemical cell and apply the electrolytic cell reaction to calculate enthalpy, entropy and free energy	K4, K3
CO3	Analyze the types of solutions based on pH and predict suitable indicators for the volumetric titrations	K4, K2
CO4	Appraise the pH, valency, equilibrium constant for a given electrolyte	K4
CO5	Discuss the types of batteries, fuel cells, theories of corrosion & its mechanism	K5

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	

2.	21-CH-02	S. Balavignesh	S. Balu
3.	21-CH-03	S. GOKUL SANJAY	S. Gokul
4.	21-CH-04	S. Gendalirishnan	S. Gendalirishnan
5.	21-CH-05	K. Guru chandran	K. Guru
6.	21-CH-06	M. Hariharan	Harithan
7.	21-CH-07	K. J. Jagan Tarika	K. J. Jagan
8.	21-CH-08	K. Kakeswaran	K. Kakeswaran
9.	21-CH-10	G. KARTHICEYAN	G. Karthi
10.	21-CH-11	A. Kariprawin	A. Kariprawin
11.	21-CH-12	R. Madhankumar	R. Madhankumar
12.	21-CH-13	S. Manodeepak	S. Manodeepak
13.	21-CH-14	K. Manoranjith	K. Manoranjith
14.	21-CH-15	K. Praneeth Kumar	K. Praneeth
15.	21-CH-16	S. Pishu	S. Pishu
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sivarajkumar Bhattacharya	M. Sivarajkumar Bhattacharya
18.	21-CH-19	M. Suryaprasath	M. Suryaprasath
19.	21-CH-21	F. Vijayaraj	F. Vijayaraj
20.	21-CH-23	ABINAYA V	V. Abinaya
21.	21-CH-24	S. Akalya	S. Akalya
22.	21-CH-25	S. A. Anesha	S. A. Anesha
23.	21-CH-26	S. Anusuya	S. Anusuya
24.	21-CH-28	Bavanika A	B. Bavanika
25.	21-CH-29	K. Deepika	K. Deepika
26.	21-CH-30	T. Devaki	T. Devaki
27.	21-CH-32	G. Gokula Priya	G. Gokula
28.	21-CH-33	G. G. G. R	R. G. G. R
29.	21-CH-34	M. Janani	M. Janani

30	21-CH-35	B. Kavya	S.K.
31	21-CH-36	S. Lalitha Sui	S. Lalitha Sui.
32	21-CH-37	K. Madhumitha	* uoju.
33	21-CH-38	M.S. Madhuvani	M.S. Madhuvani
34	21-CH-39	NANDHINI .V	Nandh.
35	21-CH-40	NANYA NARAYANAN	Nul.
36	21-CH-41	NEHA .V	N...V
37	21-CH-42	Nivelbitka.V	Nivelbitka.V.
38	21-CH-43	PAVITHRA .K	P.P.
39	21-CH-45	R. Rithika Dairishni	Rithi
40	21-CH-46	V. Saranya	Sara
41	21-CH-47	M. S. Varishini	Absent
42	21-CH-48	M. Subasree	Suba
43	21-CH-49	A. Sujitha	Sujitha - A
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	K. Sweetha	K. Sweetha.
46	21-CH-53	Vaishnavi .D	D. Vaishy


Signature of the Course Teacher


HoD


PRINCIPAL

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
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Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY510			Title	Batch:	2021 – 2022
Lecture Hrs./Week	4	Tutorial Hrs./Sem.	1	Core Paper – VIII Dye Chemistry	Semester:	V
					Credits:	4

Course Objective

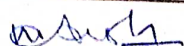
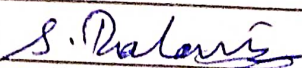
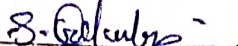
To enhance the basic knowledge and improve skills on preparation and uses of various dyes and fibres to choose their career as dye chemists in dyeing and textile industry.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recall the classification, basic concepts, theories of colour and constitution	K1
CO2	Understand the preparation and applications of various azo and nitro dyes	K2, K4
CO3	Utilize the classification, preparation and uses of some important phenyl methane dyes	K3
CO4	Analyze the various anthraquinone dyes, organic pigments and fluorescent brightening agents	K4
CO5	Explain the preparation and properties of various types of textile fibres to dye industry and uses of non-textile Fibres	K2, K5

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	
2.	21-CH-02	S. Balavignesh	
3.	21-CH-03	S. GOKUL SANJAY	

4.	21-CH-04	G. Gokulakrishnan	G. Gokul
5.	21-CH-05	K. Gunachandran	K. Gun.
6.	21-CH-06	M. Hariharan	M. Hariharan
7.	21-CH-07	M. Irfan Javith	M. Irfan Javith
8.	21-CH-08	K. Kaleswarar	K. Kaleswarar
9.	21-CH-10	G. Karthikeyan	G. Karthikeyan
10.	21-CH-11	S. Kaviprasanth	S. Kaviprasanth
11.	21-CH-12	R. Madhankumar	R. Madhankumar
12.	21-CH-13	S. Manodheepak	S. Manodheepak
13.	21-CH-14	K. Manojkumar	K. Manojkumar
14.	21-CH-15	K. Praveen Kumar	K. Praveen Kumar
15.	21-CH-16	S. Rishu	S. Rishu
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sumanth Bhatta	M. Sumanth Bhatta
18.	21-CH-19	M. Suresh Prasath	M. Suresh Prasath
19.	21-CH-21	E. Vijayaraj	E. Vijayaraj
20.	21-CH-23	V. ABINAYA	V. Abinaya
21.	21-CH-24	S. Akalya	S. Akalya
22.	21-CH-25	S. S. Sneha	S. S. Sneha
23.	21-CH-26	I. Anusuya	I. Anusuya
24.	21-CH-28	Bavaniha. A	A. Bavaniha
25.	21-CH-29	K. Deepika	K. Deepika
26.	21-CH-30	T. Devaki	T. Devaki
27.	21-CH-32	G. Gokula priya	G. Gokula priya
28.	21-CH-33	G. GOKULA R	R. Gokula
29.	21-CH-34	M. Ganani	M. Ganani
30.	21-CH-35	S. Kavya	S. Kavya
31.	21-CH-36	S. Lalitha Sri	S. Lalitha Sri

32	21-CH-37	Madhumitha. K	K. Madhu
33	21-CH-38	M. S. Madhuvani	M. S. Madhuvani
34	21-CH-39	NANDHINI. V	Nandhini
35	21-CH-40	NAVYA NARAYANAN	Navya
36	21-CH-41	V. NESHA	N. V.
37	21-CH-42	Nivethitha. V	Nivethitha. V.
38	21-CH-43	PAVITHRA. K	P. Pavithra
39	21-CH-45	R. Ritthika Darshini	R. Ritthika
40	21-CH-46	V. Saranya	Sarany
41	21-CH-47	M. Sri Varshini	Absent
42	21-CH-48	N. Dubasree	N. Dubasree
43	21-CH-49	A. Siji Vardhani	A. Siji Vardhani
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	Swetha. K	S. Swetha
46	21-CH-53	Vaishnavi. D	D. Vaishnavi



Signature of the Course Teacher



HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.



PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., P
PRINCIPAL
N.G.M. College, Pollachi - 642
Coimbatore District

Programme code:	B.Sc.	Programme Title :	Bachelor of Chemistry	
Course Code:	21UCY5E1	Title	Batch :	2021-2024
Hrs/Week:	4	Core Elective Paper – I	Semester	V
		Analytical chemistry- I	Credits:	5

Course Objective

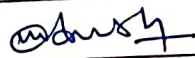
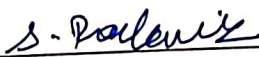
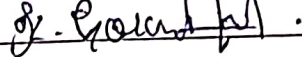
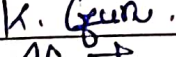
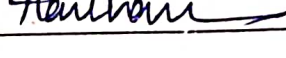
To build a basic knowledge on generation of analytical data in an appropriate manner. To expertise the instrumental methods of chemical analysis for microgram level; to cultivate the analytical skill in the structural identification of chemical compounds.

Course Outcomes

On the successful completion of the course students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Provide thorough knowledge on gravimetry.	K1, K2
CO2	Learn instrumentation and basic principles and applications of modern analytical tools such as TGA and DTA	K2, K3
CO3	Have knowledge on application of Polarimetry, Nephelometry and Turbidimetry	K2, K4
CO4	Acquire knowledge and analyze analytical tools like polarography and amperometric titrations	K3
CO5	Know the importance of chromatography	K2, K5

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	
2.	21-CH-02	S. Balavignesh	
3.	21-CH-03	S. GOKUL SANJAY	
4.	21-CH-04	K. Goumalakrishnan	
5.	21-CH-05	K. Gurus chandran	
6.	21-CH-06	M. Hariharan	

7.	21-CH-07	M. Erfan Javith	M. Erfan Javith
8.	21-CH-08	K. Kaleswarar	K. Kaleswarar.
9.	21-CH-10	G. KARTHIKEYAN	G. K. K.
10.	21-CH-11	S. Kaviprasath	S. Kaviprasath
11.	21-CH-12	R. Madhankumar	R. Madhankumar
12.	21-CH-13	S. Manojdeepak	S. Manojdeepak
13.	21-CH-14	K. Manoranjan	K. Manoranjan
14.	21-CH-15	K. Praveenkumar	K. Praveenkumar
15.	21-CH-16	S. Rishi	S. Rishi
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sumanandha Prasath	M. Sumanandha Prasath
18.	21-CH-19	M. Sumanprasad	M. Sumanprasad
19.	21-CH-21	E. Vijayaraj	E. Vijayaraj
20.	21-CH-23	ABINAVAN	V. Abin
21.	21-CH-24	Akalya. S	A. Akalya
22.	21-CH-25	S. S. Sneha.	S. S. Sneha.
23.	21-CH-26	I. Anusuya	I. Anusuya
24.	21-CH-28	Bananiha. A	A. Bananiha
25.	21-CH-29.	K. Deepika.	K. Deepika.
26.	21-CH-30	T. Devaki	T. Devaki
27.	21-CH-32	G. Gokula Priya.	G. Gokula Priya
28.	21-CH-33	G. G. R.	R. G. G.
29.	21-CH-34	M. Janani	M. Janani
30.	21-CH-35	S. Kavya.	S. Kavya.
31.	21-CH-36	S. Lalitha Sri	S. Lalitha Sri
32.	21-CH-37	K. Madhumitha	K. Madhumitha
33.	21-CH-38	M. S. Madhumavani	M. S. Madhumavani
34.	21-CH-39	V. NANDHINI	Nandini

35	21-CH-40	NAVYA NARAYANAN	<i>Def</i>
36	21-CH-41	NESHA.V	<i>Def.V</i>
37	21-CH-42	Niranjitha.V	<i>Def.Niranjitha.V</i>
38	21-CH-43	PAVITHRA.K	<i>K.Paf.</i>
39	21-CH-45	R. Pithika Darshini	<i>Def</i>
40	21-CH-46	Y. Saranya	<i>Sara</i>
41	21-CH-47	Obi Varshini.M	<i>Absent</i>
42	21-CH-48	N. Subasree	<i>Abupa</i>
43	21-CH-49	A. Sujitha	<i>Sujitha</i>
44	21-CH-50	N. Sumithra	<i>N. Sumithra</i>
45	21-CH-51	Swetha.K	<i>S. Swetha</i>
46	21-CH-53	D. Vaishnavi	<i>D. Vaishnavi</i>

N. Nalini
Signature of the Course Teacher

Indumathy
HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.

R. Muthukumar
PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Pollachi - 642 00
Coimbatore District

Programme code:	B.Sc.	Programme Title :	Bachelor of Chemistry
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Course Code:	21UCY5S2	Title	Batch :	2021-2024
		Cyber Security – Ethical Hacking	Semester	V
Hrs/Week:	2		Credits:	2

Course Objective

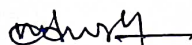
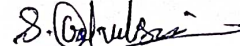
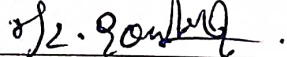
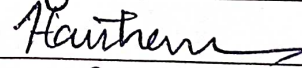
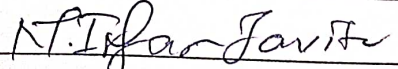
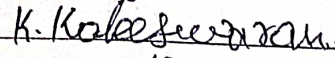
To understand the basics of cyber security and how ethical hacking is done on Cyber space and how to secure and protect them like security experts

Course Outcomes (CO)

On the successful completion of the course, students will be able to

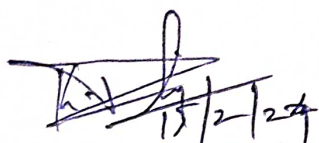
CO Number	CO Statement	Knowledge Level
CO1	Remember the basic concepts of cyber security	K1,K2
CO2	Understand the knowledge about ethical hacking	K2, K3
CO3	Deploy the use of hacking tools	K2, K3
CO4	Understand the concepts of Network	K2
CO5	Advantages of internet	K3

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	
2.	21-CH-02	S. Balavignesh	
3.	21-CH-03	S. GOKUL SANJAY	
4.	21-CH-04	S. Gokulakrishnan	
5.	21-CH-05	K. Guruchandran	
6.	21-CH-06	H. Hariharan	
7.	21-CH-07	M. Ifan Fariz	
8.	21-CH-08	K. Kalaswaram	
9.	21-CH-10	G. KARTHIKEYAN	

10	21-CH-11	S. Laviprawin	S. Laviprawin
11	21-CH-12	R. Madhankumar	R. Madhankumar
12	21-CH-13	S. Manodeepak	S. Manodeepak
13	21-CH-14	K. Monosanjith	K. Monosanjith
14	21-CH-15	K. Prameenkumar	K. Prameenkumar
15	21-CH-16	Rishi . S	Rishi . S
16	21-CH-17	B. Saravanan	B. Saravanan
17	21-CH-18	M. Sivaraman Bharathi	M. Sivaraman Bharathi
18	21-CH-19	M. Suryaprasath	M. Suryaprasath
19	21-CH-21	E. Vijayaraj	E. Vijayaraj
20	21-CH-23	ABINAYA . V	ABINAYA . V
21	21-CH-24	S. Akalya	S. Akalya
22	21-CH-25	T. Devaki S. A. Aneesh	T. Devaki S. A. Aneesh
23	21-CH-26	I. Anusuya	I. Anusuya
24	21-CH-28	Baranika . A	A. Baranika
25	21-CH-29	K. Deepika	K. Deepika
26	21-CH-30	T. Devaki	T. Devaki
27	21-CH-32	G. Gokula Priga	G. Gokula Priga
28	21-CH-33	G. G. R. R.	G. G. R. R.
29	21-CH-34	M. Janani	M. Janani
30	21-CH-35	S. Kavya	S. Kavya
31	21-CH-36	S. Lalitha Sri	S. Lalitha Sri
32	21-CH-37	R. Madhumitha	R. Madhumitha
33	21-CH-38	M. S. Madhuranani	M. S. Madhuranani
34	21-CH-39	NANATHINI . V	Nanathi . V
35	21-CH-40	NANA NARAYANAN	Nana . V
36	21-CH-41	NESHA . V	Nesha . V
37	21-CH-42	Nivethitha . V	Nivethitha . V

38	21-CH-43	PAVITHRA . K	K.P.
39	21-CH-45	R. Ritthika Darshni	Ritthika
40	21-CH-46	V. Saranya	Sarany
41	21-CH-47	M. Sree varshini	Absent
42	21-CH-48	M. dubasree	M. dubasree
43	21-CH-49	A. Sujitha vardhani	A. Sujitha vardhani
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	S. Sreetha . K	K. Sreetha .
46	21-CH-53	Vaishnavi . D	D. Vaishnavi



Signature of the Course Teacher



HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.



PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY611			Title	Batch:	2021 - 2024
				Core – IX: Physical Methods and Chemical Structure	Semester:	VI
Lecture Hrs./Week	4	Tutorial Hrs./Sem.	1		Credits:	4

Course Objective

To make the students to acquire knowledge in basic concepts of spectroscopy, gain basic knowledge in various spectroscopic techniques like rotational, vibrational, Raman, UV-visible, NMR, EPR and Mass spectrometry and to understand the electrical and magnetic properties of molecules.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect and understand the basic theoretical concepts in various types of spectroscopy	K1, K2
CO2	Interpret the structure of the unknown molecules from the given spectra	K4
CO3	Evaluate various parameters like bond length, vibrational frequency, Chemical shift, coupling constant from different spectroscopic techniques	K4
CO4	Understand the crystal packing and defects in ionic and covalent solids	K2
CO5	Apply electrical and magnetic properties in solving the structures of themolecules	K3, K4

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	@dhush
2.	21-CH-02	S. Balavignesh	S. Polaviriz

3.	21-CH-03	S. Gokul Sanjay	S. Gokul
4.	21-CH-04	J. Gokul Dakshinam	J. Gokul
5.	21-CH-05	K. Gurus Chandran	K. Gurus.
6.	21-CH-06	M. Hanitharan	Hanithan
7.	21-CH-07	M. T. Jan Javith	M. T. Jan Javith
8.	21-CH-08	K. K. K. K. K. K.	K. K. K. K. K.
9.	21-CH-10	G. K. K. K. K. K.	G. K. K. K. K.
10.	21-CH-11	S. K. K. K. K. K.	S. K. K. K. K.
11.	21-CH-12	K. Madhankumar	K. M.
12.	21-CH-13	S. Manodeepak	S. Manodeepak
13.	21-CH-14	K. Manoranjan	K. Manoranjan
14.	21-CH-15	K. Praveen Kumar	K. Praveen
15.	21-CH-16	Rishi. S	
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sumanandhi Bhaskar	M. Sumanandhi Bhaskar
18.	21-CH-19	M. Sanyaprasath	M. Sanyaprasath
19.	21-CH-21	F. Vijayaraj	F. Vijayaraj
20.	21-CH-23	V. Abiraj	V. Abiraj
21.	21-CH-24	S. Akalya	S. Akalya
22.	21-CH-25	S. A. Anesha	S. A. Anesha
23.	21-CH-26	I. Anusuya	I. Anusuya
24.	21-CH-28	Barnika. A	B. Barnika
25.	21-CH-29	K. Deepika	K. Deepika
26.	21-CH-30	T. Devaki	T. Devaki
27.	21-CH-32	G. Gokula Priya	G. Gokula
28.	21-CH-33	R. Gopika	R. Gopika
29.	21-CH-34	M. Janani	Janani. M.
30.	21-CH-35	S. Kanya	S. Kanya
31.	21-CH-36	S. Lalitha Sri	S. Lalitha Sri

32	21-CH-37	I. Madhumitha	* Madhu S.
33	21-CH-38	M.S. Madhumavani	M.S. Madhumavani
34	21-CH-39	Nandhini - V	Nandhini
35	21-CH-40	Navya Narayanan	Navya
36	21-CH-41	V. Nesha	V. Nesha
37	21-CH-42	Nivethitha - V	Nivethitha - V
38	21-CH-43	PAVITHRA K	* P.V. K.
39	21-CH-45	R. Ritthika Darshini	Ritthika
40	21-CH-46	Saranya - V	Saranya - V
41	21-CH-47	M. Sri Varshini	M. Sri Varshini
42	21-CH-48	M. Subasree	M. Subasree
43	21-CH-49	A. Siji Vandhana	A. Siji Vandhana
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	K. Suettha	Suettha - K
46	21-CH-53	D. Vaishnavi	D. Vaishnavi



Signature of the Course Teacher



HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.



PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY612			Title	Batch:	2021 - 2024
Lecture Hrs./Week	4	Tutorial Hrs./Sem.	1	Core – X	Semester:	VI
				Organic Chemistry - II	Credits:	4

Course Objective

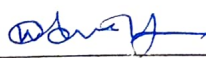
To enhance the basic knowledge of the chemistry of solving problems, polynuclear hydrocarbons, amino acids, peptides, proteins, lipids, vitamins and chemotherapy.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember in solving problems of some functional groups and preparation, properties, reactions of polynuclear hydrocarbons	K1
CO2	Relate the structure and properties of amino acids, nucleic acids and peptides	K2
CO3	Analyze the classification, constitution and synthesis of proteins, lipids and vitamins	K4
CO4	Explain the synthesis of amino acids and peptides and functions, energy carriers of nucleotides.	K5
CO5	Develop the skill to classify the drugs such as chemotherapy, sulphadruugs, antimalarials, aneasetheticsand antibiotics	K3

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	
2.	21-CH-02	S Balavignesh	
3.	21-CH-03	S. GOKUL SANJAY	

4.	21-CH-04	F. Gubulalathman	<u>Q. G. M</u>
5.	21-CH-05	K. Cuvanchandson	-
6.	21-CH-06	M. Haruharian	<u>Hanthan</u>
7.	21-CH-07	M. N. San Jantz	<u>K. N. San Jantz</u>
8.	21-CH-08	K. Kaka Serran	<u>K. Kaka Serran</u>
9.	21-CH-09	G. G. S. K. K. K.	<u>G. G. S. K. K. K.</u>
10.	21-CH-10	S. S. S. S. S.	<u>S. S. S. S. S.</u>
11.	21-CH-11	S. S. S. S. S.	<u>S. S. S. S. S.</u>
12.	21-CH-12	R. Madhankumar	<u>R. M.</u>
13.	21-CH-13	S. Manideepa	<u>S. Manideepa</u>
14.	21-CH-14	K. Monoranjith	<u>K. Monoranjith</u>
15.	21-CH-15	K. Praveenkumar	<u>K. Praveenkumar</u>
16.	21-CH-16	R. S. S. S.	<u>R. S. S. S.</u>
17.	21-CH-17	R. Saravanan	<u>R. Saravanan</u>
18.	21-CH-18	M. Sumanandha Phorath	<u>M. Sumanandha Phorath</u>
19.	21-CH-19	Suryaprasath M	<u>M. S.</u>
20.	21-CH-20	L. Vijayaraj	<u>L. Vijayaraj</u>
21.	21-CH-21	Abinaya V	<u>Abinaya V</u>
22.	21-CH-22	S. Akalya	<u>S. Akalya</u>
23.	21-CH-23	S. S. S. S.	<u>S. S. S. S.</u>
24.	21-CH-24	S. Anusuya	<u>S. Anusuya</u>
25.	21-CH-25	Bananiha A	<u>A. Bananiha</u>
26.	21-CH-26	K. Deepika	<u>K. Deepika</u>
27.	21-CH-27	T. Devaki	<u>T. Devaki</u>
28.	21-CH-28	G. G. G. G. G.	<u>G. G. G. G. G.</u>
29.	21-CH-29	R. Gopika	<u>R. Gopika</u>
30.	21-CH-30	M. J. J. J.	<u>M. J. J. J.</u>
31.	21-CH-31	S. Kavya	<u>S. Kavya</u>
32.	21-CH-32	S. Lalitha S. S.	<u>S. Lalitha S. S.</u>
33.	21-CH-33	K. Madhumitha	<u>K. Madhumitha</u>

33	21-CH-38	M.S. Madhuvani	
34	21-CH-39	V. Nandhini	
35	21-CH-40	Nanya Narayanan	Paul
36	21-CH-41	NESHA.V	Qm.V
37	21-CH-42	Nivethitha.V	distinction
38	21-CH-43	PAVITHRA.K	K. S. J.
39	21-CH-45	R. Ritthika Dharshni	Rishi
40	21-CH-46	V. Saranya	Saro
41	21-CH-47	SRI varshini.M	
42	21-CH-48	M. dubasee	Maha
43	21-CH-49	A. Sujitha Vardhani	Sujitha Vardhani.A
44	21-CH-50	N. Sumithra	
45	21-CH-51	Sumitha.K	Sumitha.K
46	21-CH-53	D. Vaishnavi	D. Vaishnavi



Signature of the Course Teacher



HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.



PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Core Paper- XI Chemical Kinetics and Quantum mechanics				
Units	Chapter Name	Name	Sc No	Duration
	Topic	Sub Topic	S. No	Duration (Mins)
Unit I	Chemical Kinetics-I	The concept of Reaction Rate, Rate law and Rate equation	1	60
		Factors influencing rates of chemical reactions	2	60
		Order and Molecularity of a reaction	3	60
		Setting and solving simple differential equations for first order	4	60
		Setting and solving simple differential equations for second order	5	60
		Setting and solving simple differential equations for zero order	6	60
		Pseudounimolecular reactions	7	60
		Half-life time of a reaction – Expressions for $t_{1/2}$ -for first, second and nth order reactions.	8	60
		Experimental techniques for measuring reaction kinetics – Volumetry	9	60
		Experimental techniques for measuring reaction kinetics – Polarimetry	10	60
		Problems	11	60
Unit II	Chemical Kinetics-II	Methods of determining order of a reaction – Differential rate expressions method	12	60
		Methods of determining order of a reaction – Integral rate expressions and Half-life method	13	60
		Related problems	14	60
		Equilibrium approximation and Steady state approximation.	15	60
		Effect of Temperature on reaction rates - Arrhenius equation	16	60
		Temperature co-efficient,	17	60
		Derivation, activation energy and its determination.	18	60
		Related Problems	19	60

		Theories of reaction rates: Lindemann theory of Unimolecular reactions	20	60
		Collision theory and Absolute reaction rate theory (Derivation not necessary)	21	60
Unit III	Catalysis	General characteristics of Catalytic reactions	22	60
		Types of catalysis –Theories of Homogeneous and Heterogeneous catalysis	23	60
		Kinetics of acid base catalyzed reactions.	24	60
		Kinetics of enzyme-catalysed reactions – Michaelis	25	60
		Effect of Temperature and pH on enzyme catalysis.	26	60
	Adsorption	Chemisorption and physisorption,	27	60
		Adsorption of gases by solids	28	60
		Factors affecting adsorption	29	60
		Types of adsorption isotherms – Freundlich adsorption isotherm	30	60
		Types of adsorption isotherms – Langmuir adsorption isotherms	31	60
Unit IV	Photochemistry	Consequence of light absorption – The Jablonski diagram	32	60
		Laws of Photochemistry - Lambert and Lambert-Beer's laws	33	60
		Grothus–Draper law, The Stark–Einstein law of photochemical equivalence	34	60
		quantum efficiency and its determination	35	60
		Kinetics of H ₂ - Cl ₂ reaction	36	60
		Kinetics of H ₂ –Br ₂ reaction	37	60
		Comparison of thermal and photochemical reactions	38	60
		Photosensitization and Quenching	39	60
		Chemiluminescence	40	60
		Lasers and their uses	41	60
Unit V	Quantum Mechanics	The need for quantum mechanics	42	60
		Functions: Real, complex, odd, even orthogonal and normalized functions	43	60
		Operators: linear and non-linear	44	60
		differential, Hermitian, Hamiltonian	45	60
		momentum (linear and angular)	46	60
			47	60

		commutator (Theorems) and non-commutators,	48	60
		Eigen functions and eigen values.	49	60
		Postulates of quantum mechanics	50	60
		Discussion and clarification	51	60
		Unit Test	52	60


Faculty Incharge


HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.


PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY613			Title	Batch:	2021 – 2024
				Core - XI	Semester:	VI
Lecture Hrs./Week	4	Tutorials /Sem	2	Chemical Kinetics and Quantum mechanics	Credits:	4

Course Objective

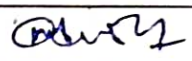
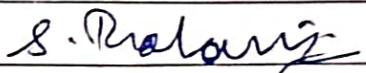
To acquire the necessary knowledge on type of reactions, determination of rate, theories of reaction rate, mechanism of catalytic action, basics and kinetics of photochemical reactions and the fundamentals of quantum mechanics.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recognize the basic terminologies of chemical kinetics	K1
CO2	Understand the theories of reaction rates	K2
CO3	Analyse the types and kinetics of catalysis, adsorption isotherms and their significance.	K3
CO4	Describe the laws of photochemistry and theories of reaction rates and explain various photochemical processes using Jablonski diagram	K4&K5
CO5	To become familiar with the quantum mechanical functions and operators	K2

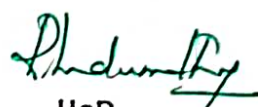
Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	
2.	21-CH-02	S. Balavignesh	

3.	21-CH-03	S. GOKUL SUNDAR	S. Gokul
4.	21-CH-04	J. Gokulakrishnan	J. Gokul
5.	21-CH-05	K. Gurus chandran	K. Gurus
6.	21-CH-06	M. Hantharan	Hanthan
7.	21-CH-07	M. Irfan Javith	M. Irfan Javith
8.	21-CH-08	K. Kalpeshwaran	K. Kalpeshwaran
9.	21-CH-10	G. Karthikeyan	G. Karthikeyan
10.	21-CH-11	S. Kavipravin	S. Kavipravin
11.	21-CH-12	R. Madhankumar	R. Madhankumar
12.	21-CH-13	S. Manodeepak	S. Manodeepak
13.	21-CH-14	K. Manojkumar	K. Manojkumar
14.	21-CH-15	K. Praveenkumar	K. Praveenkumar
15.	21-CH-16	Rishi S	Rishi S
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sumantha Bharathi	M. Sumantha Bharathi
18.	21-CH-19	M. Suryaprasanth	M. Suryaprasanth
19.	21-CH-21	E. Vijayaraj	E. Vijayaraj
20.	21-CH-23	V. Abhinaya	V. Abhinaya
21.	21-CH-24	S. Akalya	S. Akalya
22.	21-CH-25	S. A. Aneetha	S. A. Aneetha
23.	21-CH-26	I. Anusuya	I. Anusuya
24.	21-CH-28	A. Baraniha	A. Baraniha
25.	21-CH-29	K. Deepika	K. Deepika
26.	21-CH-30	T. Devaki	T. Devaki
27.	21-CH-32	G. Gokula Priya	G. Gokula Priya
28.	21-CH-33	R. Gopika	R. Gopika
29.	21-CH-34	M. Janani	M. Janani
30.	21-CH-35	S. Kanya	S. Kanya

31	21-CH-36	S. Lalitha Sri	S. Lalitha Sri
32	21-CH-37	Madhumitha. K	K. Madhu V.
33	21-CH-38	M. S. Madhuvani	M. S. Madhuvani
34	21-CH-39	Nandhini. V	Nandini
35	21-CH-40	Nanya Narayanan	Nanya
36	21-CH-41	NESHA. V	Nesha V
37	21-CH-42	Nivethitha V	Nivethitha V
38	21-CH-43	PAVITHRA. K	K. Pavithra
39	21-CH-45	R. Ritthika Darshini	R. Ritthika
40	21-CH-46	V. Saranya	V. Saranya
41	21-CH-47	M. Soukshin	Absent
42	21-CH-48	N. Subasree	N. Subasree
43	21-CH-49	D. Sujinardhani	D. Sujinardhani
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	K. Suettha	K. Suettha
46	21-CH-53	D. Valshani	D. Valshani


Signature of the Course Teacher


HoD


PRINCIPAL

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.

Dr. R. MUTHUKUMARAN
M.A., M.Phil., B.Ed.,
PRINCIPAL
N.G.M. College, Pollachi - 642
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY614			Title	Batch:	2021 – 20
				Core – XII	Semester:	VI
Lecture Hrs./Week	4	Tutorial Hrs./Sem.	1	Polymer Chemistry	Credits:	4

Course Objective

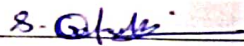
To learn about recent advances in polymers, impart knowledge about polymerization reactions and stereochemistry, familiarize the different polymer processing techniques and synthesis of some commercially important polymers.

Course Outcomes

On the successful completion of the course, students will be able to

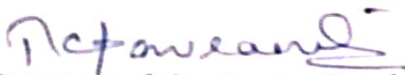
CO Number	CO Statement	Knowledge Level
CO1	Classify the types of polymers and recognize the basic concepts	K2
CO2	Understand and illustrate the mechanisms of polymerization	K2,K3
CO3	Appraise the stereochemistry of polymers and apply Z-N catalyst for the polymers	K4, K3
CO4	Calculate the molecular weight of polymers by various methods	K3
CO5	Acquiring knowledge of commercially important polymer products and its applications.	K2, K5

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. NIKASH	
2.	21-CH-02	S. Balavignesh	
3.	21-CH-03	S. GOKUL SANKAR	

4.	21-CH-04	Jc. Gokulavishwan	S. Gokul.
5.	21-CH-05	K. Guna chandran	K. Guna.
6.	21-CH-06	M. Harinathan	M. Harinathan
7.	21-CH-07	M. Irfan Javith	M. Irfan Javith
8.	21-CH-08	K. Kaleswara	K. Kaleswara
9.	21-CH-10	G. Karthikeyan	G. Karthikeyan
10.	21-CH-11	S. Kaviprasad	S. Kaviprasad
11.	21-CH-12	R. Madhankumar	R. Madhankumar
12.	21-CH-13	S. Manodeepak	S. Manodeepak
13.	21-CH-14	K. Manojkumar	K. Manojkumar
14.	21-CH-14	K. Praveenkumar	K. Praveenkumar
15.	21-CH-16	S. Rishi	S. Rishi
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sumanth Kumar	M. Sumanth Kumar
18.	21-CH-19	Suryaprakash M	Suryaprakash M
19.	21-CH-21	F. Vijayalakshmi	F. Vijayalakshmi
20.	21-CH-23	Abinaya V	Abinaya V
21.	21-CH-24	S. Akalya	S. Akalya
22.	21-CH-25	S. S. Anisha	S. S. Anisha
23.	21-CH-26	T. Anusuya	T. Anusuya
24.	21-CH-28	A. Anurag	A. Anurag
25.	21-CH-29	K. Deepika	K. Deepika
26.	21-CH-30	T. Devaki	T. Devaki
27.	21-CH-33	G. Gokula Priya	G. Gokula Priya
28.	21-CH-33	R. Gopika	R. Gopika
29.	21-CH-34	M. Ganani	M. Ganani
30.	21-CH-35	S. Kanya	S. Kanya
31.	21-CH-36	S. Lalitha Sri	S. Lalitha Sri

32	21-CH-37	Madhumitha . K.	K. Madhu
33	21-CH-38	M.S. Madhuranani	M.S. Madhuranani
34	21-CH-39	Nandhini	V. Nandhini
35	21-CH-40	NANYA NARAYANAN	Nanya
36	21-CH-41	NESHA . V	N. V
37	21-CH-42	Nivethitha . V	Nivethitha . V
38	21-CH-43	PAVITHRA . K	P. K.
39	21-CH-45	R Ritthika Darshni	R. Darshni
40	21-CH-46	Saranya	Saranya
41	21-CH-47	Souvarshini . M	Absent
42	21-CH-48	M. Subashree	M. Subashree
43	21-CH-49	A. Sujivardhani	A. Sujivardhani
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	Smetha . K	Smetha . K
46	21-CH-52	D. Vaishnavi	D. Vaishnavi


Signature of the Course Teacher


HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
N.G.M. College, Pollachi (Autonomous)
Pollachi - 642 001.



PRINCIPAL
Dr. R. MUTHUKUMARAN,
M.A., M. Phil., B. Ed., P
PRINCIPAL
N.G.M. College, Pollachi - 642
Coimbatore District

Programme Code:	B.Sc.	Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY615	Title	Batch:	2021 - 2024
		Core Practical - III	Semester:	VI
Practical Hrs./Week	6	Gravimetric Analysis and Physical Chemistry Experiments	Credits:	5

Course Objective

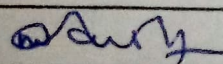
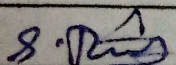
To develop practical and analytical skills in gravimetry and physical chemistry.

Course Outcomes

On the successful completion of the course, students will be able to

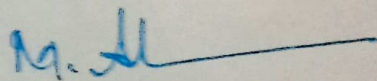
CO Number	CO Statement	Knowledge Level
CO1	Understand the basic concept of gravimetric analysis	K1
CO2	Analyse cations and anions quantitatively using gravimetric method	K1-K4
CO3	Enable the students to acquire practical skills in physical chemistry experiments	K3
CO4	Perform conductometric and potentiometric titrations and arrive the endpoint	K3,K4
CO5	Perform graphical analysis based on experimental data and to validate the experimental results	K5

Noted the CO's of this course

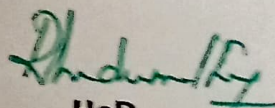
S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	
2.	21-CH-02	S. Balavignesh	
3.	21-CH-03	S. GOKUL SANJAY	
4.	21-CH-04	K. Gokulakrishnan	

5.	21-CH-05	K. Gurus chandran	K. Gurus.
6.	21-CH-06	M. Harinathan	Harinathan
7.	21-CH-07	M. Irfan Javith	M. Irfan Javith
8.	21-CH-08	K. Kadeswaran	K. Kadeswaran
9.	21-CH-10	G. KARTHIKEYAN	G. K. K.
10.	21-CH-11	S. Javiprawin	S. Javiprawin
11.	21-CH-12	R. Madhankumar	R. M.
12.	21-CH-13	S. Manodeepak	S. Manodeepak
13.	21-CH-14	K. Monorajith	K. Monorajith
14.	21-CH-15	K. Praneeth Kumar	K. Praneeth
15.	21-CH-16	S. Rishi	S. Rishi
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Suresh Babu	M. Suresh Babu
18.	21-CH-19	M. Suryaprasath	M. S.
19.	21-CH-21	E. Vijayaraj	E. Vijayaraj
20.	21-CH-23	Abinaya V	V. Abin
21.	21-CH-24	S. Akalya	S. A.
22.	21-CH-25	Aneesha. S. d.	S. d. Aneesha.
23.	21-CH-26	I. Anusuya	I. Anusuya
24.	21-CH-28	A. Baraniha	A. Baraniha
25.	21-CH-29	K. Deepika	K. Deepika.
26.	21-CH-30	T. Devaki	T. Devaki
27.	21-CH-32	G. Gokula Priga	G. Gokula
28.	21-CH-33	R. GRIPIKA	R. Gripika
29.	21-CH-34	M. Janani	M. Janani
30.	21-CH-35	S. Kanya	S. Kanya
31.	21-CH-36	S. Lalitha Sri	S. Lalitha Sri.
32.	21-CH-37	K. Meethanitha	K. Meethanitha

33	21-CH-38	M. S. Mathuramani	M. S. Mathuramani
34	21-CH-39	Nandhini V	Nandhi
35	21-CH-40	Nanya Narayanan	Dist.
36	21-CH-41	NESHA V	N. V
37	21-CH-42	Nivethitha V	Nivethitha V
38	21-CH-43	PAVITHRA K	K. P.
39	21-CH-45	R. Rithika Darshini	Rithika
40	21-CH-45	V. Saranyan	Saranyan
41	21-CH-47	M. Sri Varshini	Absent
42	21-CH-48	M. Subashree	Subashree
43	21-CH-49	A. Sujitha Varshini	A. Sujitha Varshini
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	K. Sushrutha K. Sushrutha	K. Sushrutha
46	21-CH-53	D. Vaishnavi	D. Vaishnavi

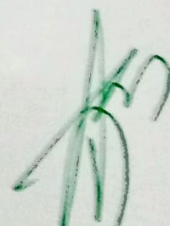


Signature of the Course Teacher



HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuru Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.



PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme code:	B.Sc.	Programme Title :	Bachelor of Chemistry	
Course Code:	21UCY6E1	Title	Batch :	2021-2024
		Core Elective - II : Analytical Chemistry - II	Semester	VI
Hrs/Week:	4		Credits:	5

Course Objective

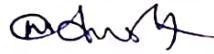
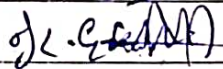
To acquire knowledge on basic concepts in separation techniques, volumetric analysis, various types of titrations, and Core Elective - II : Analytical Chemistry understand the basic principles of instrumentation

Course Outcome

On the successful completion of the course students will be able to

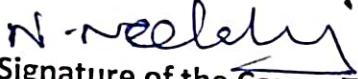
CO Number	CO Statement	Knowledge Level
CO1	Understand the basic principles of UV-visible spectrophotometer and IR spectrophotometer.	K1,K2
CO2	Apply separation techniques for the extraction of solvents	K2, K3
CO3	Understand the basic principles involved in neutralization titrations, PH and Buffer solutions.	K2, K4
CO4	Know about different types of titrations	K3
CO5	Gain knowledge on Analytical method in chemistry	K2, K5

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. ARAS+1	
2.	21-CH-02	S. Balavignesh	
3.	21-CH-03	S. GOKUL SANJAY	
4.	21-CH-04	J. Gobulakrishnan	

5.	21-CH-05	K. Guru chandran	K. Guru.
6.	21-CH-06	M. Hariharan	Hanthan
7.	21-CH-07	M. Irfan Javith	M. Irfan Javith
8.	21-CH-08	K. Kaleswaran	K. Kaleswaran.
9.	21-CH-10	G. Karthi Keyan	Karthi
10.	21-CH-11	S. Kavipravin	S. K. P.
11.	21-CH-12	P. Madhan Kumar	P. Madhan
12.	21-CH-13	S. Manohardeepak	S. Manohardeepak
13.	21-CH-14	K. Manoranjan	K. Manoranjan
14.	21-CH-14	K. Praveenkumar	K. Praveen.
15.	21-CH-16	Rishi . S	Rishi . S
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sivanandha Prorathi	M. Sivanandha Prorathi
18.	21-CH-19	M. Sanyaprasath	M. Sanyaprasath
19.	21-CH-21	E. Vijayaraj	E. Vijayaraj
20.	21-CH-23	Abiraja V	V. Abiraj
21.	21-CH-24	S. Akalya	S. Akalya
22.	21-CH-25	S. A. Anesha	S. A. Anesha
23.	21-CH-26	D. Anusuya	D. Anusuya
24.	21-CH-28	Banumtha. A	A. Banumthi
25.	21-CH-29	K. Deepika	K. Deepika.
26.	21-CH-30	G. Duwaki	G. Duwaki
27.	21-CH-32	G. Gokulapriya	G. Gokulapriya
28.	21-CH-33	R. Gopika	R. Gopika
29.	21-CH-34	M. Janani	M. Janani
30.	21-CH-35	S. Kavya	S. Kavya
31.	21-CH-36	S. Lalitha sri	S. Lalitha sri.
32.	21-CH-37	K. Madhumitha	K. Madhumitha

33	21-CH-38	M.S. Madhuvani	M.S. Madhuvani
34	21-CH-39	Nandhini.V	Nandhi
35	21-CH-40	Nanya Narayan	Nul.
36	21-CH-41	NESHA.V	N...V
37	21-CH-42	Nivethitta.V	Nivethitta.V
38	21-CH-43	PAVITHRA.K.	K.P.
39	21-CH-45	R. Rithika Darshni	Rithika
40	21-CH-46	V. Saranya	V. Saranya
41	21-CH-47	M. Sri varshini	Absent
42	21-CH-48	M. Subasree	Subasree
43	21-CH-49	Suji Vardhani. A.	S. Suji Vardhani
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	K. Swetha	Swetha.K.
46	21-CH-53	D. Vaishnavi	D. Vaishnavi


Signature of the Course Teacher


HoD


PRINCIPAL

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL,
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme code:	B.Sc.	Programme Title :	Bachelor of Chemistry	
Course Code:	21UCY6S1	Title	Batch :	2021-2024
		Skill Based Elective –II	Semester	VI
Hrs/Week:	2	Green Chemistry	Credits:	2

Course Objective

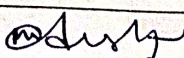
To learn about the environmental status, public awareness in evolution, principles involved in green chemistry, bio-catalytic reactions, global warming and its control measures, availability of green analytical methods.

Course Outcome

On the successful completion of the course, students will be able to

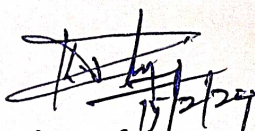
CO Number	CO Statement	Knowledge Level
CO1	Define the green chemistry	K1
CO2	Understand the basic principles of green chemistry	K2
CO3	Identify the environment friendly technologies and working conditions	K3
CO4	Analyse eco-friendly and less wasteful manufacturing process for the sustainable development of our country	K2 & K3
CO5	Know about the various analytical green methods	K3

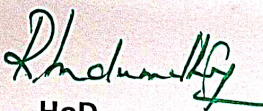
Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	

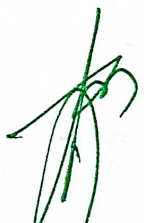
2.	21-CH-02	S. Balawignesh	S. V. V. V.
3.	21-CH-03	S. Gokul Sanjay	S. Gokul
4.	21-CH-04	J. Gokul Krishnan	K. Gura.
5.	21-CH-05	K. Gura Chandran	Harithan
6.	21-CH-06	M. Hariharani	M. Haran Javith
7.	21-CH-07	M. Haran Javith	K. Kaleeswaran.
8.	21-CH-08	K. Kaleeswaran	G. G. G.
9.	21-CH-10	G. Kartikeyan	S. Karan.
10.	21-CH-11	S. Karan	S. M. M.
11.	21-CH-12	R. Madhan Kumar	S. M. M. D. D.
12.	21-CH-13	S. Manodeepak	K. Monoranjan.
13.	21-CH-14	K. Monoranjan	K. P. P.
14.	21-CH-15	K. Praveenkumar	
15.	21-CH-16	Rishi S	
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sumanandha Bharathi	M. Sumanandha Bharathi
18.	21-CH-19	M. Suryaprasath	M. R. R.
19.	21-CH-21	F. Vijayaraj	F. Vijayaraj
20.	21-CH-23	Abinaya V	V. V. V.
21.	21-CH-24	S. Akalya	S. Akalya
22.	21-CH-25	Aneesa S. S.	Aneesa S. S.
23.	21-CH-26	I. Anusuya	I. Anusuya
24.	21-CH-28	A. Bavanika	A. Bavanika
25.	21-CH-29	K. Deepika	K. Deepika
26.	21-CH-30	T. Dewaki	T. Dewaki
27.	21-CH-32	G. Gokula Priya	G. Gokula
28.	21-CH-33	R. Gopika	R. Gopika
29.	21-CH-34	M. Janani	M. Janani

30	21-CH-35	S. Kavya	S. Kavya
31	21-CH-36	S. Lalitha Sri	S. Lalitha Sri
32	21-CH-37	K. Madhumitha	K. Madhumitha
33	21-CH-38	M.S. Madhuranani	M.S. Madhuranani
34	21-CH-39	Nandhini. V	Nandhini
35	21-CH-40	Nanya Narayanan	Nanya
36	21-CH-41	NESHA. V	Nesha. V
37	21-CH-42	Nivethitha. V	Nivethitha. V
38	21-CH-43	PAVITHRA. K	Pavithra. K
39	21-CH-45	R. Ritthika Darshni	R. Ritthika Darshni
40	21-CH-46	Saranya.	Saranya
41	21-CH-47	Sri varshini. M	Absent
42	21-CH-48	M. Subasee	M. Subasee
43	21-CH-49.	Suji Vardhani. A	Suji Vardhani. A
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	K. Suettha	Suettha. K.
46	21-CH-53	D. Vaishnavi	D. Vaishnavi


Signature of the Course Teacher


HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.


PRINCIPAL

Dr. R. MUTHUKUMARAN
M.A., M.Phil., B.Ed.
PRINCIPAL
N.G.M. College, Pollachi - 64
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	22UCY304			Title	Batch:	2022 – 2025
				Core Paper- III Inorganic and Physical Chemistry	Semester:	III
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	2		Credits:	4

Course Objective

To impart knowledge on basic metallurgical process, alloys, fuels and fertilizers and to expound conceptions on thermodynamics of solutions, phase equilibria and colligative properties to succeed at an entry-level position in chemical industry or a chemistry graduate program.

Course Outcomes

On the successful completion of the course, students will be able to

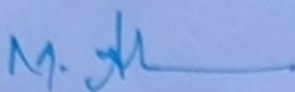
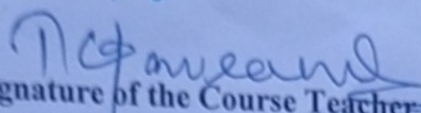
CO Number	CO Statement	Knowledge Level
CO1	Recall the basic metallurgical operations and understand the preparation and properties of alloys.	K1& K2
CO2	Understand the classification and properties of fuels and fertilizers	K2
CO3	Apply the concept of law of mass action to various equilibria	K3
CO4	Understand the concepts of thermodynamics of solution and construct and analyse the phase diagram.	K2 &K5
CO5	Correlate the relationship between colligative properties of dilute solutions and molecular mass of solute.	K5

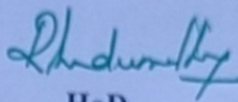
Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	22-CH-01	Gr. Deepadarsa	Gr. Deepadarsa

2.	22-CH-02	Ebi . M	Shy
3.	22-CH-04	Kavilesh . V	V. BSC
4.	22-CH-05	Mohammed shaher . A	A . MS
5.	22-CH-06	Mohammed summar shafudun . M	M. M. Shafudun
6.	22-CH-07	Niswan Priithir . S	S. P . P
7.	22-CH-08	Prauthiran . K	K. P . P
8.	22-CH-09	Prauen Kumar . T	T. P . P
9.	22-CH-11	Sakthivel Tharun . C	R. Sakthivel Tharun
10.	22-CH-12	Sanjay . S	Sanjay
11.	22-CH-13	Sanjay Shyam Victor . K	Sanjay Shyam Victor
12.	22-CH-14	Sasarama Kumar . TS	T.S. S. K
13.	22-CH-15	Sasaranapparammal . M	M. Sasaran
14.	22-CH-16	Tamilasasan . S	S. Tamil
15.	22-CH-18	Gurusu priya . K	K. Gurusu Priya
16.	22-CH-19	Hameetha Begum . M	M. Hameetha Begum
17.	22-CH-20	Janu shree . R	R. Janu shree
18.	22-CH-21	Kumuthini . S	S. K. D.
19.	22-CH-22	Madhumitha . A	A. Madhumitha
20.	22-CH-23	Mangaiyarkarasi . S	S. Mangaiyarkarasi
21.	22-CH-24	Navaneethitha . D	D. Navaneethitha
22.	22-CH-25	Nirmala Devi . R	R. Nirmala devi
23.	22-CH-26	Princy Florence . E	Princy .
24.	22-CH-28	Reshma . S	S. Reshma
25.	22-CH-31	Shathiya . K	K. Shathiya
26.	22-CH-32	Shwetha . S	S. Shwetha
27.	22-CH-33	Suba isree . G	G. Suba isree
28.	22-CH-34	Thaslima parveen . J	J. Thaslima
29.	22-CH-35	Udhaya . R	R. Udhaya
30.	22-CH-36	Vinotha . S	S. Vinotha
31.	22-CH-37	Yogaa Sri . SA	SA. Yogaa Sri

32	22-CH-38	Yogalakshmi . P	P. Arif
33	22-CH-39	Rekshina . S	P. Arif
34			



Signature of the Course Teacher


HoD
Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.


PRINCIPAL
Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Poliachi - 642 001
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	22UCY405			Title	Batch:	2022 – 202
				Core Paper – IV	Semester:	IV
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	1	Inorganic, Organic and Physical Chemistry	Credits:	4

Course Objective

To explain the periodic properties of elements, various reactions and stereoisomerism of organic compounds phase rule, radioactivity and nuclear reactions

Course Outcomes

On the successful completion of the course, students will be able to

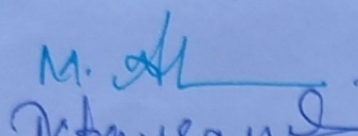
CO Number	CO Statement	Knowledge Level
CO1	Recollect the properties of transition and inner transition elements	K1
CO2	Understand the preparation, properties and various reactions of phenols, aliphatic and aromatic nitro compounds	K2
CO3	Analyse the classification of amines, separation, basic nature and optical and geometrical isomerism of certain organic compounds.	K4
CO4	Apply the concepts of phase rule, phase equilibria and its applications to various systems.	K3
CO5	Explain the radioactivity, types of nuclear reactions and the applications of isotopes.	K2, K5

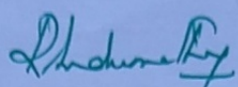
Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	22-CH-01	Deepadarsa . G	G. Deepadarsa
2.	22-CH-02	Ebi . M .	Ebi

3.	22-CH-04	Kavilesh . V	V. B. S. S.
4.	22-CH-05	Mohammed Shaheer . A	A. M. S.
5.	22-CH-06	Mohammed Ummu Shaifudeen . M	M. M. S.
6.	22-CH-07	Niswan Prithiv . S	S. S.
7.	22-CH-08	Pavithran . K	K. S.
8.	22-CH-09	Pravan Kumar . T	T. S.
9.	22-CH-11	Sakthivel Tharun . C	C. S.
10.	22-CH-12	Sanjay . S	S. S.
11.	22-CH-13	Sanjay Shyam Victor . K	K. S.
12.	22-CH-14	Saravann Kumar . TS	T. S.
13.	22-CH-15	Saravannapperumal . M	M. S.
14.	22-CH-16	Tamilarasan . S	S. S.
15.	22-CH-18	Guru Priya . K	K. S.
16.	22-CH-19	Hamatha Beg am . M	M. S.
17.	22-CH-20	Janu Shree . R	R. S.
18.	22-CH-21	Kumuthini . S	S. S.
19.	22-CH-22	Madhumitha . A	A. S.
20.	22-CH-23	Mangaiyarkkarasi . S	S. S.
21.	22-CH-24	Navaneethitha . D	D. S.
22.	22-CH-25	Nirmala Devi . R	R. S.
23.	22-CH-26	Pancy Florence . E	E. S.
24.	22-CH-28	Reshma . S	S. S.
25.	22-CH-31	Shathiya . K	K. S.
26.	22-CH-32	S. Shwetha .	S. S.
27.	22-CH-33	Suba free . G	G. S.
28.	22-CH-34	Thaslima Parveen . J	J. S.
29.	22-CH-35	Udhaya . R	R. S.
30.	22-CH-36	Vinodha . S	S. S.
31.	22-CH-37	Yogaa Sri . SA	SA. S.
32.	22-CH-38	Yogalakshmi . P	P. S.

33	22-CH-39	Rekehina. S	Rekehina. S
34			


Signature of the Course Teacher


HoD
Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.


PRINCIPAL
Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

22UCY405 - Core Paper – IV
Inorganic, Organic and Physical Chemistry

Unit	Topic	Sub Topic	S. No	Duration (Mins)
UNIT-I	Chemistry of d-block elements	General comparison of 3d, 4d and 5d elements in term of electronic configuration	1	60
		Metallic nature, oxidation states	2	60
		Ionization energies and redox properties	3	60
		Formation of complexes and spectral properties	4	60
		Magnetic properties	5	60
	Chemistry of f-block elements	Lanthanides: Electronic configuration	6	60
		Oxidation states	7	60
		variation in atomic and ionic (3+) radii,	8	60
		Magnetic properties	9	60
		Lanthanide contraction and its consequences.	10	60
		Separation of Lanthanide elements by ion exchange method.	11	60
		Actinides: Electronic structure	12	60
		Oxidation states	13	60
		Variation in atomic and ionic (3+) radii,	14	60
		Magnetic properties	15	60
		Comparison of Lanthanides with Actinides	16	60
		Extraction of Uranium from Pitch blende	17	60
		Discussion and clarification	18	60
Unit IV	Phase rule and phase equilibria	Introduction to Two component system	19	60
		Construction of phase diagram by thermal analysis	20	60
		Simple eutectic	21	60
		Simple eutectic- Pb-Ag System	22	60

		Formation of compounds with congruent melting point	23	60
		Formation of compounds with congruent melting point: Zn-Mg system.	24	60
		Formation of compounds with incongruent melting point	25	60
		Formation of compounds with incongruent melting point: Na-K system	26	60
		Salt-Water system: Potassium Iodide-Water system.	27	60
Unit V	Nuclear Chemistry	Radioactivity- types of radioactivity	28	60
		Types of radioactive rays	29	60
		Nuclear stability-n/p ratio	30	60
		Magic numbers- nuclear binding energy	31	60
		Mass defect- nuclear shell model - groups displacement law	32	60
		Decay constant – half- life period	33	60
		Radioactive equilibrium- transmutation-artificial transmutation	34	60
		Applications of artificial transmutation-radioactive series.	35	60
		Nuclear reactions types	36	60
		Fission and fusion reactions	37	60
		Principle and working of nuclear reactors.	38	60
		Isotopes: Separation of isotopes	39	60
		Identification of isotopes	40	60
		Isotopes of hydrogen-isotope effect	41	60


Faculty incharge


HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.


PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme Code:	B.Sc			Programme Title:	Bachelor of Chemistry	
Course Code:	23UCY101			Title	Batch:	2023 – 2026
				CC I:	Semester:	I
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	1	Inorganic and Organic Chemistry	Credits:	5

Course Objective

To understand basic theoretical concepts on chemical bonding and hybridization, acquire knowledge on aromaticity, mechanistic pathway of aliphatic nucleophilic substitutions and aromatic electrophilic substitutions in organic reactions.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect the types of chemical bonding	K1, K2
CO2	Deduce the geometry of the molecules and apply MOT to Homonuclear and Heteronuclear molecules and understand the basic theoretical concepts in inorganic qualitative analysis.	K2, K3
CO3	Write the nomenclature of organic compounds and analyze the reactions of alkenes and examine the relevant name reaction	K2, K4
CO4	Apply the concepts in determining the mechanisms of aliphatic nucleophilic substitution reactions	K3
CO5	Interpret the factors affecting in determining the orientation and reactivity of the aromatic compounds	K2, K5

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	23-CH-01	Aakashwar D.K	Aakashwar

2.	23-CH-02	D. Hari Prakash	Hari
3.	23-CH-03	G. Kavirish	G. Kavirish
4.	23-CH-04	M. Kavirish	M. Kavirish
5.	23-CH-05	R. Manoj Kumar	R. Manoj
6.	23-CH-06	MOHAN PRABHU	M. Mohan
7.	23-CH-07	M. Murali	M. Murali
8.	23-CH-08	S. Sajan	S. Sajan
9.	23-CH-10	Vishnu - R	Vishnu - R
10.	23-CH-11	M. Abinaya	M. Abinaya
11.	23-CH-13	S. Anu Teerthana	S. Anu Teerthana
12.	23-CH-14	N. Anu Priya	N. Anu Priya
13.	23-CH-15	K. Aysla Siddika	K. Aysla Siddika
14.	23-CH-16	S. Chandra prabha	S. Chandra prabha
15.	23-CH-17	T.S. Dana Sree	T.S. Dana Sree
16.	23-CH-18	B. Deivanai	B. Deivanai
17.	23-CH-19	S. Divya	S. Divya
18.	23-CH-20	D. Divya	D. Divya
19.	23-CH-21	S. Divya	S. Divya
20.	23-CH-22	R. Divyadarshni	R. Divyadarshni
21.	23-CH-23	S. Divyadarshni	S. Divyadarshni
22.	23-CH-24	D. Girana Sui	D. Girana Sui
23.	23-CH-25	M. Hemamal	M. Hemamal
24.	23-CH-26	K.P. Ilackiyaa	K.P. Ilackiyaa
25.	23-CH-27	P. Indhureka	P. Indhureka
26.	23-CH-28	Kalaivani. K	Kalaivani. K
27.	23-CH-29	M. KARTHIKA	M. KARTHIKA
28.	23-CH-30	E. Kanipriya	E. Kanipriya
29.	23-CH-31	T.G. Mahalakshmi	T.G. Mahalakshmi
30.	23-CH-32	R. Noorul Juvairiya	R. Noorul Juvairiya
31.	23-CH-33	S. Poja	S. Poja

32	23-CH-34	D. Raja Shree	D. Raja Shree
33	23-CH-35	P. Rithanya	P. Rithanya
34	23-CH-36	P. Rohini	P. Rohini
35	23-CH-37	N. Sajna	N. Sajna
36	23-CH-38	Shahana A.	Shahana
37	23-CH-39	M. Sheeba	Sheeba
38	23-CH-40	G. Sowparnika	G. Sowparnika
39	23-CH-41	K. Vijayalakshmi	K. Vijayalakshmi
40	23-CH-42	N. Swathi	N. Swathi
41	23-CH-43	J. Vijayeswari	J. Vijayeswari
42	23-CH-44	K. Sindhuja devi	K. Sindhuja devi

[Signature]

Signature of the Course Teacher

[Signature]

HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Counder Mahalingam College (Autonomous)
Pollachi - 642 001.

[Signature]

PRINCIPAL

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M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Poliachi - 642 001
Coimbatore District

Programme Code:	B.Sc			Programme Title:	Bachelor of Chemistry	
Course Code:	23UCY202			Title	Batch:	2023 – 202
				CC II :	Semester:	II
Lecture Hrs./Week	5	Tutorial Hrs./Sem.	1	Organic and Physical Chemistry	Credits:	4

Course Objective

To acquire knowledge on the mechanisms of reactions in carbonyl compounds, understand basics concepts on quantum chemistry and important laws of thermodynamics.

Course Outcomes

On the successful completion of the course, students will be able to

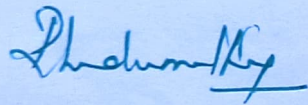
CO Number	CO Statement	Knowledge Level
CO1	Discuss the preparation, properties of alcohols, dicarboxylic acids, hydroxy acids and esters	K2
CO2	Analyse the reactions of aldehydes / ketones and examine the relevant reactions and understand the basic principles involved in volumetric analysis	K4, K3
CO3	Apply quantum chemical treatment to sub-atomic particles of atom	K3
CO4	State and apply first law of thermodynamics, perform calculations for physical process	K3, K4
CO5	Analyse the feasibility of the reaction	K4

Noted the CO's of this course

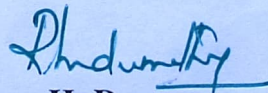
S.No	Reg. No	Name of the student	Signature of the student
1.	23-CH-01	Adarshwar . D. IC	Adarshwar
2.	23-CH-02	D. Hari prakash	HAP

3.	23-CH-03	G. Karinesh	G. Karj
4.	23-CH-04	M. Kavin Kumar	M. Kf
5.	23-CH-05	R. Manoj Kumar	R. Manoj
6.	23-CH-06	MOHAN PRABHU.T	M. Mohan pr
7.	23-CH-07	M. Mrudul	M. Mrudul
8.	23-CH-08	S. Salan	S. Salan
9.	23-CH-10	Vishnu.R	Vishnu.R
10	23-CH-11	M. Abinaya	M. Abinaya
11	23-CH-13	S. Anu Teerthana	S. Anu Teerthana
12	23-CH-14	N. Anu Priya	N. Anu Priya
13	23-CH-15	K. Aysla Siddika	K. Aysla Siddika
14	23-CH-16	S. Chandraprabha	S. Chandraprabha
15	23-CH-17	T.S. Dhanasee	T.S. Dhanasee
16	23-CH-18	B. Delvanai	B. Delvanai
17	23-CH-19	S. Divya	S. Divya
18	23-CH-20	D. Divya	D. Divya
19	23-CH-21	S. Divya	S. Divya
20	23-CH-22	R. Divyadharsini	R. Divyadharsini
21	23-CH-23	S. Divyadharsini	S. Divyadharsini
22	23-CH-25	M. Hemamal	M. Hemamal
23	23-CH-26	K.P. Ilackiyaa	K.P. Ilackiyaa
24	23-CH-24	S. Girana Devi	S. Girana Devi
25	23-CH-27	P. Indhureka	P. Indhureka
26	23-CH-28	Kalaivani.K	Kalaivani.K
27	23-CH-29	M. KARTHIKA	M. KARTHIKA
28	23-CH-30	E. Kavipriya	E. Kavipriya
29	23-CH-31	T.G. Mahalingam	T.G. Mahalingam
30	23-CH-32	R. Noorul Javahiraya	R. Noorul Javahiraya
31	23-CH-33	S. Poornima	S. Poornima
32	23-CH-34	D. Rajasree	D. Rajasree

33	23-CH-35	P. Rithanya	P. Rithanya
34	23-CH-36	P. Rohini	P. Rohini
35	23-CH-37	N. Sajana	Sajana
36	23-CH-38	Shahana A	Shahana
37	23-CH-39	M. Sheeba	Sheeba
38	23-CH-40	G. Sowparnika	G.
39	23-CH-41	N. Swathi	N. Swathi
40	23-CH-42	K. Vijayalaxmi	V.
41	23-CH-43	J. Vijayeshwari	J. Vijayeshwari
42	23-CH-44	K. Sindhuja Devi	K. Sindhuja



Signature of the Course Teacher



HoD

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Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.



PRINCIPAL

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M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Pollachi - 642
Coimbatore District

Programme Code:	B.Sc	Programme Title:	Bachelor of Chemistry	
Course Code:	23UCY203	Title	Batch:	2023-2026
Lecture Hrs./Week	3	CC Lab - I: Inorganic Qualitative Analysis	Semester:	II
			Credits:	3

Course Objective

To know about the skills of using glassware's and apparatus used in qualitative analysis, develop the analytical skills in inorganic qualitative analysis and know the chemistry principles applied in qualitative analysis.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember the procedure for the analysis	K1, K2
CO2	Understand and apply the theoretical knowledge to chemical reactions responsible for the reactions leading to identification of the given radicals	K2, K3
CO3	Separate the cations into groups and to identify them	K1, K4
CO4	apply the theoretical knowledge in the preparation of inorganic metal complexes	K3

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	23-CH-01	Adarsh D. K	Adarsh
2.	23-CH-02	Dr. Hariprakash	Hariprakash
3.	23-CH-03	Dr. Karishma	Dr. Karishma
4.	23-CH-04	M. Karan Kumar	M. Karan

5.	23-CH-05	R. Manoj Kumar	R. Mani
6.	23-CH-06	MOHAN PRABHU. T	T. Dipak
7.	23-CH-07	M. Mrudul	M. Mrudul
8.	23-CH-08	S. Salan	S. Salan
9.	23-CH-10	Vishnu - R	Vishnu - R
10	23-CH-11	M. Abinaya	M. Abinaya
11	23-CH-13	S. Anupriya	S. Anupriya
12	23-CH-14	N. Ann Priya	N. Ann Priya
13	23-CH-15	K. Aysla Siddika	K. Aysla Siddika
14	23-CH-16	S. Chandra prabha	S. Chandra prabha
15	23-CH-17	T.S. DanaSree	T.S. DanaSree
16	23-CH-18	B. Delvarai	B. Delvarai
17	23-CH-19	S. Divya	S. Divya
18	23-CH-20	D. Divya	D. Divya
19	23-CH-21	S. Divya	S. Divya
20	23-CH-22	R. Divyadharsini	R. Divyadharsini
21	23-CH-23	G. Divyadharsini	G. Divyadharsini
22	23-CH-24	A. Gnanasui	A. Gnanasui
23	23-CH-25	M. Hemamal	M. Hemamal
24	23-CH-26	K.P. Ilackiyaa	K.P. Ilackiyaa
25	23-CH-27	P. Indhureka.	P. Indhureka.
26	23-CH-28	Kalaivani. K	Kalaivani. K
27	23-CH-29	M. KARTHIKA	M. KARTHIKA
28	23-CH-30	E. Karisriya	E. Karisriya
29	23-CH-31	T.G. Mahalaxhi	T.G. Mahalaxhi
30	23-CH-32	R. Noorul Juvairiya	R. Noorul Juvairiya
31	23-CH-33	B. Pooja	B. Pooja
32	23-CH-34	D. Raja Shree	D. Raja Shree
33	23-CH-35	P. Rithanya	P. Rithanya
34	23-CH-36	P. Rohini	P. Rohini

35	23-CH-37	N. Sainaa	N. Sainaa
36	23-CH-38	Shahana A.	Shahana
37	23-CH-39	M. Sheeba	Sheeba
38	23-CH-40	G. Gowparnika	G.
39	23-CH-41	N. Swathi	N. Swathi
40	23-CH-42	K. Vijayalaxshmi	V.
41	23-CH-43	J. Vijayeswari	J. Vijayeswari
42	23-CH-44	K. Sindhuja devi	K. Sindhuja devi

Shindhuja

Signature of the Course Teacher

Indumathy

HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.

R. Muthukumar

PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

SEMESTER I

22UAI101 Java Programming

CO Number	CO Statement
CO1	Develop an in-depth understanding of object-oriented programming concepts
CO2	Explain the various programming language constructs, object oriented concepts like overloading, inheritance, polymorphism, Interfaces , threads, exception handling and packages
CO3	Illustrate the concepts of Applets, files and the concept of stream classes.
CO4	Outline the benefits and applications of objects oriented programming concepts and defend how JAVA differs from other programming languages
CO5	Judge the pros and cons of other object oriented language with the concepts of Java

22UAI102 Industry 4.0

CO Number	CO Statement
CO1	Know the reason for adopting Industry 4.0 and Artificial Intelligence.
CO2	Understand the need for digital transformation.
CO3	Apply the industry 4.0 tools.
CO4	Analyze the applications of Big Data.
CO5	Examine the applications and security of IoT Applications.

22UAI1A1 Introduction to Linear Algebra

CO Number	CO Statement
CO1	Define basic terms and concepts of matrices.
CO2	Comprehend the use of various matrix operations
CO3	Understand the concept of Vector spaces and Basis

CO4	Determine Eigen values and Eigen Vectors
CO5	Determine orthogonal set concept

22UAI103 Programming Lab in Java

CO Number	CO Statement
CO1	To remember and recollect the object oriented concepts
CO2	To get the idea of packages, interfaces and exceptions and AWT
CO3	To validate the projects using front-end and back-end programming

SEMESTER II

22UAI204 Programming in Python

CO Number	CO Statement
CO1	Understand the core programming constructs of Python
CO2	Express proficiency in the handling of functions, strings, lists, dictionaries, tuples and sets
CO3	Apply the use of regular expressions and built-in functions to navigate the file system.
CO4	Illustration of Object-oriented Programming concepts in Python
CO5	Realize the power of modules like NumPy, pandas, and Altair in developing solutions to problems related to data science

22UAI205 Data Structures and Algorithms

CO Number	CO Statement
CO1	Define the concept of Data structure and list the various classifications of data structures.
CO2	Demonstrate how arrays, stacks, queues, linked lists, trees, heaps, Graphs and Hash Tables are represented in the main memory and

	various operations are performed on those data structures.
CO3	Illustrate the various file organizations like Sequential, Random and Linked organizations.
CO4	Discover the real time applications of the various data structures
CO5	Design algorithms for various sorting and searching techniques

22UAI2A1 **Optimization Techniques**

CO Number	CO Statement
CO1	To remember the basic principles and practices of computing grounded in mathematics and science
CO2	To understand the Problems using various linear Algorithms
CO3	To apply algorithms to the decision making problems
CO4	To analyze the programming algorithms with exercises
CO5	To Summarize the inventory and queuing models

22UAI206 **Programming Lab in Python**

CO Number	CO Statement
CO1	To remember the principles of structured programming Recognize and construct common programming idioms: variables, loop, branch, subroutine, and input/output.
CO2	To understand the common programming idioms: variables, loop, branch, subroutine, and input/output
CO3	To figure out ability to analyze and solve the problems using advanced facilities of the Python language

I Semester

Course Code	Title of the Paper	Curricula relevant to local, regional, national and global needs			
		Local	Regional	National	Global
22UDA101	Core I: Java Programming			✓	✓
22UAI102	Core II: Industry 4.0			✓	✓
22UAI1A1	Allied-1: Introduction to Linear Algebra	✓	✓	✓	✓
22UAI103	Core Lab I: Programming Lab in Java			✓	✓

II Semester

Course Code	Title of the Paper	Curricula relevant to local, regional, national and global needs			
		Local	Regional	National	Global
22UAI204	Core III: Programming in Python			✓	✓
22UAI205	Core IV: Data Structures & Algorithms			✓	✓
22UAI2A1	Allied 2 : Optimization techniques	✓	✓	✓	✓
22UAI206	Core Lab II: Programming Lab in Python			✓	✓
22UAI207	Capstone Project - 1			✓	✓



NALLAMUTHU GOUNDER MAHALINGAM COLLEGE
Pollachi



2.6.1 PROGRAMME OUTCOMES AND COURSE OUTCOME
COMMUNICATED TO STUDENTS

Programme outcome and Course outcome of the programme BSc CS with AI and ML is informed to students on the first day 01.08.2022 of the academic year 2022

For the semester I Class : Ist Year

S. No.	Register number	Name of the Student	Signature of the student
1.	22AM01	ADHITHYA J	T. Adhithya
2.	22AM03	BINU WILSON	Binu Wilson
3.	22AM04	MOHANA PRASATH M	M. Mohana
4.	22AM05	NAGA GOWTHAM T	T. Naga Gowtham
5.	22AM06	SHAFEEK AHAMMED R	R. Shaheer
6.	22AM07	SIVABHARATHI M	M. Sivabharathi
7.	22AM08	SIVA RAM S	S. Sivaram
8.	22AM09	VARUN S	S. Varun
9.	22AM10	YOGESH T	T. Yogesh
10.	22AM11	YOGESHWARAN S	S. Yogeshwaran
11.	22AM12	YOMADHAN M	M. YOMADHAN
12.	22AM13	GAYATHRI PRIYA N	N. Gayathri Priya
13.	22AM14	KAVIYAHARSHINI K	K. Kaviyahareshini
14.	22AM15	KRISHNAJAYANTHI M	M. Krishnajayanthi
15.	22AM16	SANDHIYA A	A. Sandhiya
16.	22AM17	VAISHNAVI P	P. Vaishnavi
17.	22AM18	YOJANA V	V. Yojana
18.	22AM19	BAVADHARANI M	M. Baradharani

Counter Signature

S. No.	Course Code	Course Name	Course in charge/Staff Name	Signature
1	22UDA101	Core I: Java Programming	Dr.S.Niraimathi	S. Niraimathi
2	22UA1102	Core II: Industry 4.0	Dr.Thilagam	Thilagam
3	22UA11A1	General Elective-1: Introduction to Linear Algebra	Mr.L.Vignesh	L. Vignesh
4	22UA1103	Core Lab I: Programming Lab in Java	Dr.S.Niraimathi	S. Niraimathi

HOD

PRINCIPAL
Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.
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Coimbatore District



NALLAMUTHU GOUNDER MAHALINGAM COLLEGE
Pollachi

**2.6.1 PROGRAMME OUTCOMES AND COURSE OUTCOME
COMMUNICATED TO STUDENTS**

Programme outcome and Course outcome of the programme BSc CS with AI and ML is informed to students on the first day 28.12.2022 of the academic year 2022

For the semester II Class : Ist Year

S. No.	Register number	Name of the Student	Signature of the student
1.	22AM01	ADHITHYA J	T. Adhithya
2.	22AM03	BINU WILSON	Binu Wilson
3.	22AM04	MOHANA PRASATH M	M. Mohan
4.	22AM05	NAGA GOWTHAM T	T. Naga Gowtham
5.	22AM06	SHAFEEK AHAMMED R	R. Shaheer
6.	22AM07	SIVABHARATHI M	M. Sivabharathi
7.	22AM08	SIVA RAM S	S. Siva Ram
8.	22AM09	VARUN S	S. Varun
9.	22AM10	YOGESH T	T. Yogesh
10.	22AM11	YOGESHWARAN S	S. Yogeshwaran
11.	22AM12	YOMADHAN M	M. YOMADHAN
12.	22AM13	GAYATHRI PRIYA N	N. Gayathri Priya
13.	22AM14	KAVIYAHARSHINI K	K. Kaviyahareshini
14.	22AM15	KRISHNAJAYANTHI M	M. Krishnajayanthi
15.	22AM16	SANDHIYA A	A. Sandhya
16.	22AM17	VAISHNAVI P	P. Vaishnavi
17.	22AM18	YOJANA V	V. Yojana
18.	22AM19	BAVADHARANI M	M. Bavadharani

Counter Signature

S. No.	Course Code	Course Name	Course in charge/Staff Name	Signature
1	22UAI204	Core III: Programming in Python	Dr.S.Niraimathi	S. Niraimathi
2	22UAI205	Core IV: Data Structures & Algorithms	Dr.Krishnakumar	K. Krishnakumar
3	22UAI2A1	General Elective 2 : Optimization techniques	Mr.L.Vignesh	L. Vignesh
4	22UAI206	Core Lab II: Programming Lab in Python	Dr.S.Niraimathi	S. Niraimathi
5	22UAI207	Capstone Project - I	Dr.S.Niraimathi	S. Niraimathi

HOD

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PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Nallamuthu Gounder Mahalingam College, Pollachi

DEPARTMENT OF CHEMISTRY

Academic Year: 2023-2024

2.6.1. Proof for Programme Outcomes and Course Outcomes

for all Programmes offered by the institution are

communicated to students

Department of Chemistry

B.Sc. Programme

Vision

The Department of Chemistry aspires to be among the top in the nation by preparing the students in such a way that they are self-reliant, highly informed and a better choice in the demanding and ever-changing world.

Mission

The teaching of Chemistry aims to: gear the students to be liberative, transformative and empowering the Learner and the Learned (Teacher).

Program Educational Objectives:

The graduates of B.Sc. Chemistry are expected to attain the following PEOs within five to seven years of their graduation. The main objectives of the programme are

PEO1	To prepare the students to have in depth knowledge and skills in the core areas of chemical science
PEO2	To develop the students to have multi-disciplinary subject knowledge both in the diverse fields of chemical science such as analytical chemistry, pharmaceutical chemistry, leather chemistry and also its allied subjects like mathematics, physics and biology
PEO3	To provide knowledge and skills in the frontier areas of chemical research
PEO4	To develop critical thinking, problem solving ability and analytical reasoning in solving the problems pertaining to the environment, sustainable development, their chosen career and higher studies
PEO5	To develop professional, practical, leadership and entrepreneurial skills in their chosen field and practice it with moral and ethical virtues

Program Outcomes:

PO1	<i>Ethics and social responsibilities</i> Commitment to sustainability and rich ethical standards in social and professional practices
PO2	<i>Communicative and writing skills</i> Understand the language usage with development of communicative and written skills
PO3	<i>Inter and trans disciplinary development</i> Understand principles and theories of organic, inorganic, physical, analytical, pharmaceutical, leather and environmental chemistry with cross cutting approach
PO4	<i>Problem solving analysis</i> Solve complex scientific problems by conducting scientific derivation or chemical analysis
PO5	<i>Individual and team work</i> Function effectively as member or leaders in diverse teams, and in multi-disciplinary environment
PO6	<i>Chemicals and tools usage</i> Acquire skills pertaining to safe handling of chemicals, apparatus, instruments and modern tools with proper functionality
PO7	<i>Disciplinary knowledge development</i> Apply possessed knowledge of fundamentals in chemistry to solve associated problems
PO8	<i>Professional skill development</i> To impart professional skill sets in chemistry and meet out the current chemical industry needs

Program Specific Outcomes:

PSO - 01	<i>Life long learning</i> Develop the practices of lifelong learning in laboratory, analytical/pharmaceutical/leather chemistry skills and interpret knowledge in the working environment
PSO - 02	<i>Education and Employment</i> Ability to pursue higher studies of specialization and take up employment in analytical/pharmaceutical/leather industry

2021 - BATCH

V & VI - SEMESTERS

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY507			Title	Batch:	2021 – 2024
Lecture Hrs./Week	4	Tutorials/Sem	1	Core Paper- V Coordination and Bioinorganic Chemistry	Semester:	V
					Credits:	4

Course Objective

To impart essential knowledge regarding the terminologies, theories of coordination chemistry, bonding, structure and stereochemistry of coordination compounds and Bioinorganic chemistry to succeed a chemistry graduate program.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Reminisce the important terms in coordination chemistry	K1
CO2	Understand different theories of coordination compounds	K2
CO3	Apply the theories of bonding in coordination complexes	K3
CO4	Predict the reaction mechanisms in coordination complexes and Determine the stability constant by Job's and Bjerrum's method	K4 & K5
CO5	Acquire knowledge in Bioinorganic chemistry and metal carbonyls	K4

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	Mr. AKASH	<i>Mr. Akash</i>
2.	21-CH-02	S. Balavignesh	<i>S. Balavignesh</i>
3.	21-CH-03	S. GOKUL SANJAY	<i>S. Gokul</i>
4.	21-CH-04	S. Gokulakrishnan	<i>S. Gokul</i>

5.	21-CH-05	K. Gurus chandran	K. Gurus.
6.	21-CH-06	M. Hariharan	Harithan
7.	21-CH-07	M. Irfan Javith	M. Irfan Javith
8.	21-CH-08	K. Kaleeswarar	K. Kaleeswarar
9.	21-CH-10	G. KARTHIKEYAN	Guthu.
10.	21-CH-11	S. Kavipravin	S. Kaip
11.	21-CH-12	R. Madhankumar	R. M.
12.	21-CH-13	S. Manodeepak	S. Manodeepak.
13.	21-CH-14	K. Manoranjan	K. Manoranjan.
14.	21-CH-15	K. Praveenkumar	K. Praveen.
15.	21-CH-16	S. Rishi	
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sumanandha Bharathi	H. Sumanandha Bharathi
18.	21-CH-19	M. Sureshprasad	M. Suresh.
19.	21-CH-21	F. Vijayaraj	F. Vijayaraj
20.	21-CH-23	ABINAYA.V	V. Abin
21.	21-CH-24	S. Ananya	S. Ananya.
22.	21-CH-25	Anesha.S.A	S. A. Anesha.
23.	21-CH-26	S. Anusya	S. Anusya
24.	21-CH-28	Baraniha.A	A. Baraniha.
25.	21-CH-29	K. Deepika.	K. Deepika.
26.	21-CH-30	T. Devaki	T. Devaki
27.	21-CH-32	G. GOKULA PRIYA.	G. Gokula Priya.
28.	21-CH-33	GOPIKA.R	R. Gopika
29.	21-CH-34	M. Janani	M. Janani
30.	21-CH-35	S. Kavya.	S. Kavya.
31.	21-CH-36	S. Lalitha Sri	S. Lalitha Sri.
32.	21-CH-37	K. Madhumitha	K. Madhumitha.

33	21-CH-38	M.S. Madhuranvani	M.S. Madhuranvani
34	21-CH-39	NANDHIM.V	Nandhi
35	21-CH-40	NAVYA NARAYANAN	D.V.
36	21-CH-41	NESHA.V	N.V.
37	21-CH-42	Nivethitha.V	Nivethitha.V
38	21-CH-43	PAVITHRA.K.	K.Pavithra
39	21-CH-45	R. Ritthika Darshini	R.Darshini
40	21-CH-46	V. Saranya	Saranya
41	21-CH-47	M. Sairavashini	Absent
42	21-CH-48	M. Subasree	Subasree
43	21-CH-49	A. Sujivardhini	A.Suji
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	Swetha.K	R. Swetha
46	21-CH-53	D. Vaishnavi	D. Vaishnavi

M. J.

Signature of the Course Teacher

Dr. Indumathy

HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.

Dr. R. Muthukumar

Principal

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Pollachi - 642
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY508			Title	Batch:	2021 – 2024
				Core - VI	Semester:	V
Lecture Hrs./Week	4	Tutorial Hrs./Sem	1	Organic Chemistry – I	Credits:	4

Course Objective

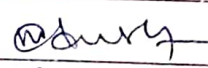
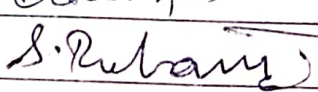
To make the students to understand the mechanisms of molecular rearrangements, to acquire knowledge on heterocyclic compounds, carbohydrate chemistry and structural elucidation of natural products.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect and interpret the mechanisms of molecular rearrangements	K1, K4
CO2	Understand the significance of heterocyclic compounds	K2
CO3	Understand the importance of carbohydrate chemistry	K2
CO4	Apply and interpret various chemical methods in deducing the structures of alkaloids	K3, K4
CO5	Apply and deduce the structure of terpenoids	K3, K4

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	
2.	21-CH-02	S. Balavignesh	

3.	21-CH-03	S. Gokul Smitany	S. Gokul
4.	21-CH-04	K. Gokulakrishnan	K. Gokul
5.	21-CH-05	K. Gurus Chandran	K. Gurus
6.	21-CH-06	M. Haruharan	M. Haruharan
7.	21-CH-07	M. Srikanth Javith	M. Srikanth
8.	21-CH-08	K. Kaleswaran	K. Kaleswaran
9.	21-CH-10	G. KARTHIKEYAN	G. K. K.
10.	21-CH-11	KAVIPRAWIN. S	S. Kavip
11.	21-CH-12	R. Madhankumar	R. M.
12.	21-CH-13	S. Manodeepak	S. Manodeepak
13.	21-CH-14	K. Manojanith	K. Manojanith
14.	21-CH-15	K. Prameekumar	K. Prameekumar
15.	21-CH-16	S. Rishi	S. Rishi
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sivanandha Bharathi	M. Sivanandha Bharathi
18.	21-CH-19	M. Suryaprasada	M. Suryaprasada
19.	21-CH-21	F. Vijayaraj.	F. Vijayaraj.
20.	21-CH-23	ABINAYA. V	V. Abinaya
21.	21-CH-24	S. Akalya	S. Akalya
22.	21-CH-25	Aneesh. S. A	S. A. Aneesh.
23.	21-CH-26	D. Anusuya	D. Anusuya
24.	21-CH-28	BAVANIHA. A	A. Bavanil.
25.	21-CH-29.	K. Deepika	K. Deepika.
26.	21-CH-30	T. Devaki.	T. Devaki.
27.	21-CH-32	G. Gokula Priya.	G. Gokula
28.	21-CH-33	GLOPIKA. R	R. Gopika
29.	21-CH-34	M. Janani	M. Janani
30.	21-CH-35	S. Kavya.	S. Kavya.

31	21-CH-36	S. Lalitha Sri	S. Lalitha sri.
32	21-CH-37	Madhumitha . K	f. Madu
33	21-CH-38	M. S. Madhuranani	M. S. Madhuranani
34	21-CH-39	NANDHINI . V	Nandhi
35	21-CH-40	NAYYA NARAYANAN	Del.
36	21-CH-41	NESHA . V	Resu . V
37	21-CH-42	Niveethitha . V	Christina
38	21-CH-43	PAVITHRA . K	K. P. f.
39	21-CH-45	R. Rithika Darshni	Dehi
40	21-CH-46	V. Saranya	Saras
41	21-CH-47	M. Sri Varshini	Absent
42	21-CH-48	M. Subaree	M. Sub
43	21-CH-49	A. Siji Varadhani	A. Siji Varadhani
44	21-CH-50	N. Sumithra	N. Sumithra .
45	21-CH-51	Swetha . K	K. Swetha
46	21-CH-53	D. Vaishnavi	D. Vaishnavi


Signature of the Course Teacher


HoD
Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.


PRINCIPAL
Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., P
PRINCIPAL
N.G.M. College, Pollachi - 642
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY509			Title	Batch:	2021 – 2024
				Core Paper – VII Electro Chemistry	Semester:	V
Lecture Hrs./Week	4	Tutorial Hrs./Sem.	1		Credits:	4

Course Objective

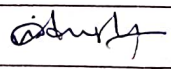
To learn about the theories of conductance, basic principles and applications of electrochemical cells and apply electro chemical principles to fuel cells, batteries and mechanism of corrosion.

Course Outcomes

On the successful completion of the course, students will be able to

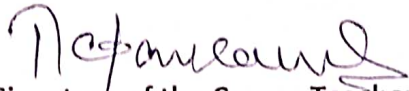
CO Number	CO Statement	Knowledge Level
CO1	Discuss the theories/laws of conductance, apply the theories of electrolytes	K2, K3
CO2	Construct the electrochemical cell and apply the electrolytic cell reaction to calculate enthalpy, entropy and free energy	K4, K3
CO3	Analyze the types of solutions based on pH and predict suitable indicators for the volumetric titrations	K4, K2
CO4	Appraise the pH, valency, equilibrium constant for a given electrolyte	K4
CO5	Discuss the types of batteries, fuel cells, theories of corrosion & its mechanism	K5

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	

2.	21-CH-02	S. Balavignesh	S. Balu
3.	21-CH-03	S. GOKUL SANJAY	S. Gokul
4.	21-CH-04	S. Gendalirishnan	S. Gendalirishnan
5.	21-CH-05	K. Guru chandran	K. Guru
6.	21-CH-06	M. Harisharan	Harisharan
7.	21-CH-07	K. J. Jeyaraj	K. J. Jeyaraj
8.	21-CH-08	K. Kakeswaran	K. Kakeswaran
9.	21-CH-10	G. KARTHIKEYAN	G. Karthi
10.	21-CH-11	A. Kariprawin	A. Kariprawin
11.	21-CH-12	R. Madhankumar	R. Madhankumar
12.	21-CH-13	S. Manodeepak	S. Manodeepak
13.	21-CH-14	K. Manoranjith	K. Manoranjith
14.	21-CH-15	K. Praneethkumar	K. Praneethkumar
15.	21-CH-16	S. Pishu	S. Pishu
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sivarajkumar Bhattacharya	M. Sivarajkumar Bhattacharya
18.	21-CH-19	M. Suryaprasath	M. Suryaprasath
19.	21-CH-21	F. Vijayaraj	F. Vijayaraj
20.	21-CH-23	ABINAYA V	V. Abinaya
21.	21-CH-24	S. Akalya	S. Akalya
22.	21-CH-25	S. A. Anesha	S. A. Anesha
23.	21-CH-26	S. Anusuya	S. Anusuya
24.	21-CH-28	Bavanika A	B. Bavanika
25.	21-CH-29	K. Deepika	K. Deepika
26.	21-CH-30	T. Devaki	T. Devaki
27.	21-CH-32	G. Gokula Priya	G. Gokula Priya
28.	21-CH-33	G. GOKIKA R	R. Gokika
29.	21-CH-34	M. Janani	M. Janani

30	21-CH-35	B. Kavya	S.K.
31	21-CH-36	S. Lalitha Sre	S. Lalitha Sre.
32	21-CH-37	K. Madhumitha	* uoju.
33	21-CH-38	M.S. Madhuvani	M.S. Madhuvani
34	21-CH-39	NANDHINI .V	Nandh.
35	21-CH-40	NANYA NARAYANAN	Nul.
36	21-CH-41	NEHA .V	N...V
37	21-CH-42	Nivelbitka.V	Nivelbitka.V.
38	21-CH-43	PAVITHRA .K	P.P.
39	21-CH-45	R. Rithika Dairishni	R.R.
40	21-CH-46	V. Saranya	Sare
41	21-CH-47	M. Sree varishini	Absent
42	21-CH-48	M. Subasree	M.S.
43	21-CH-49	A. Sujitha vardhani	Sujitha vardhani - A
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	K. Sweetha	K. Sweetha.
46	21-CH-53	Vaishnavi .D	D. Vaishy


Signature of the Course Teacher


HoD


PRINCIPAL

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY510			Title	Batch:	2021 – 2022
Lecture Hrs./Week	4	Tutorial Hrs./Sem.	1	Core Paper – VIII Dye Chemistry	Semester:	V
					Credits:	4

Course Objective

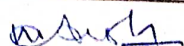
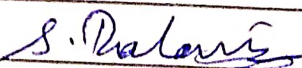
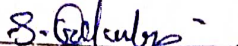
To enhance the basic knowledge and improve skills on preparation and uses of various dyes and fibres to choose their career as dye chemists in dyeing and textile industry.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recall the classification, basic concepts, theories of colour and constitution	K1
CO2	Understand the preparation and applications of various azo and nitro dyes	K2, K4
CO3	Utilize the classification, preparation and uses of some important phenyl methane dyes	K3
CO4	Analyze the various anthraquinone dyes, organic pigments and fluorescent brightening agents	K4
CO5	Explain the preparation and properties of various types of textile fibres to dye industry and uses of non-textile Fibres	K2, K5

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	
2.	21-CH-02	S. Balavignesh	
3.	21-CH-03	S. GOKUL SANJAY	

4.	21-CH-04	G. Gokulakrishnan	G. Gokul
5.	21-CH-05	K. Gunachandran	K. Gun.
6.	21-CH-06	M. Hariharan	M. Hariharan
7.	21-CH-07	M. Irfan Javith	M. Irfan Javith
8.	21-CH-08	K. Kaleswarar	K. Kaleswarar
9.	21-CH-10	G. Karthikeyan	G. Karthikeyan
10.	21-CH-11	S. Kaviprasanth	S. Kaviprasanth
11.	21-CH-12	R. Madhankumar	R. Madhankumar
12.	21-CH-13	S. Manodheepak	S. Manodheepak
13.	21-CH-14	K. Manojkumar	K. Manojkumar
14.	21-CH-15	K. Praveen Kumar	K. Praveen Kumar
15.	21-CH-16	S. Rishu	S. Rishu
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sumanth Bhatta	M. Sumanth Bhatta
18.	21-CH-19	M. Suresh Prasath	M. Suresh Prasath
19.	21-CH-21	E. Vijayaraj	E. Vijayaraj
20.	21-CH-23	V. ABINAYA	V. Abinaya
21.	21-CH-24	S. Akalya	S. Akalya
22.	21-CH-25	S. A. Sneha	S. A. Sneha
23.	21-CH-26	I. Anusuya	I. Anusuya
24.	21-CH-28	Bavaniha. A	A. Bavaniha
25.	21-CH-29	K. Deepika	K. Deepika
26.	21-CH-30	T. Devaki	T. Devaki
27.	21-CH-32	G. Gokula priya	G. Gokula priya
28.	21-CH-33	G. G. R. R.	R. G. R.
29.	21-CH-34	M. Ganani	M. Ganani
30.	21-CH-35	S. Kavya	S. Kavya
31.	21-CH-36	S. Lalitha Sri	S. Lalitha Sri

32	21-CH-37	Madhumitha. K	K. Madhu
33	21-CH-38	M. S. Madhuvani	M. S. Madhuvani
34	21-CH-39	NANDHINI. V	Nandhini
35	21-CH-40	NAVYA NARAYANAN	Navya
36	21-CH-41	V. NESHA	N. V.
37	21-CH-42	Nivethitha. V	Nivethitha. V.
38	21-CH-43	PAVITHRA. K	P. Pavithra
39	21-CH-45	R. Ritthika Darshini	R. Ritthika
40	21-CH-46	V. Saranya	Sarany
41	21-CH-47	M. Sri Varshini	Absent
42	21-CH-48	N. Dubasree	N. Dubasree
43	21-CH-49	A. Siji Vardhani	A. Siji Vardhani
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	Swetha. K	S. Swetha
46	21-CH-53	Vaishnavi. D	D. Vaishnavi



Signature of the Course Teacher



HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.



PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., P
PRINCIPAL
N.G.M. College, Pollachi - 642
Coimbatore District

Programme code:	B.Sc.	Programme Title :	Bachelor of Chemistry	
Course Code:	21UCY5E1	Title	Batch :	2021-2024
Hrs/Week:	4	Core Elective Paper – I	Semester	V
		Analytical chemistry- I	Credits:	5

Course Objective

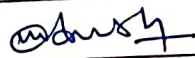
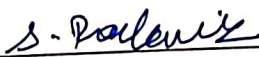
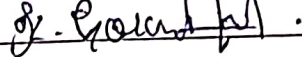
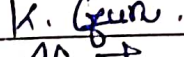
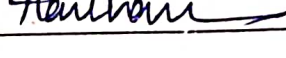
To build a basic knowledge on generation of analytical data in an appropriate manner. To expertise the instrumental methods of chemical analysis for microgram level; to cultivate the analytical skill in the structural identification of chemical compounds.

Course Outcomes

On the successful completion of the course students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Provide thorough knowledge on gravimetry.	K1, K2
CO2	Learn instrumentation and basic principles and applications of modern analytical tools such as TGA and DTA	K2, K3
CO3	Have knowledge on application of Polarimetry, Nephelometry and Turbidimetry	K2, K4
CO4	Acquire knowledge and analyze analytical tools like polarography and amperometric titrations	K3
CO5	Know the importance of chromatography	K2, K5

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	
2.	21-CH-02	S. Balavignesh	
3.	21-CH-03	S. GOKUL SANJAY	
4.	21-CH-04	K. Goumalakrishnan	
5.	21-CH-05	K. Gurus chandran	
6.	21-CH-06	M. Hariharan	

7.	21-CH-07	M. Erfan Javith	M. Erfan Javith
8.	21-CH-08	K. Kaleswarar	K. Kaleswarar.
9.	21-CH-10	G. KARTHIKEYAN	G. K. K.
10.	21-CH-11	S. Kaviprasanth	S. Kaviprasanth
11.	21-CH-12	R. Madhankumar	R. Madhankumar
12.	21-CH-13	S. Manojdeepak	S. Manojdeepak
13.	21-CH-14	K. Manoranjan	K. Manoranjan
14.	21-CH-15	K. Praveenkumar	K. Praveenkumar
15.	21-CH-16	S. Rishi	S. Rishi
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sumanandha Prasath	M. Sumanandha Prasath
18.	21-CH-19	M. Sureshprasad	M. Sureshprasad
19.	21-CH-21	E. Vijayaraj	E. Vijayaraj
20.	21-CH-23	ABINAVAN	V. Abin
21.	21-CH-24	Akalya. S	A. Akalya
22.	21-CH-25	S. S. Sneha.	S. S. Sneha.
23.	21-CH-26	I. Anusuya	I. Anusuya
24.	21-CH-28	Bavanika. A	A. Bavanika
25.	21-CH-29.	K. Deepika.	K. Deepika.
26.	21-CH-30	T. Devaki	T. Devaki
27.	21-CH-32	G. Gokula Priya.	G. Gokula Priya
28.	21-CH-33	G. G. R.	R. G. G.
29.	21-CH-34	M. Janani	M. Janani
30.	21-CH-35	S. Kavya.	S. Kavya.
31.	21-CH-36	S. Lalitha Sri	S. Lalitha Sri
32.	21-CH-37	K. Madhumitha	K. Madhumitha
33.	21-CH-38	M. S. Madhuvani	M. S. Madhuvani
34.	21-CH-39	V. NANDHINI	Nandini

35	21-CH-40	NAVYA NARAYANAN	<i>Def</i>
36	21-CH-41	NESHA.V	<i>Def.V</i>
37	21-CH-42	Niranjitha.V	<i>Def.Niranjitha.V</i>
38	21-CH-43	PAVITHRA.K	<i>K.Paf.</i>
39	21-CH-45	R. Pithika Darshini	<i>Def</i>
40	21-CH-46	Y. Saranya	<i>Sara</i>
41	21-CH-47	Obi Varshini.M	<i>Absent</i>
42	21-CH-48	N. Subasree	<i>Abupa</i>
43	21-CH-49	A. Sujitha	<i>Sujitha</i>
44	21-CH-50	N. Sumithra	<i>N. Sumithra</i>
45	21-CH-51	Swetha.K	<i>S. Swetha</i>
46	21-CH-53	D. Vaishnavi	<i>D. Vaishnavi</i>

N. Nalini
Signature of the Course Teacher

Indumathy
HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.

R. Muthukumar
PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Pollachi - 642 00
Coimbatore District

Programme code:	B.Sc.	Programme Title :	Bachelor of Chemistry
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Course Code:	21UCY5S2	Title	Batch :	2021-2024
		Cyber Security – Ethical Hacking	Semester	V
Hrs/Week:	2		Credits:	2

Course Objective

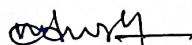
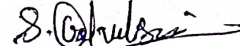
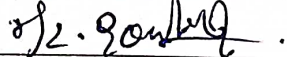
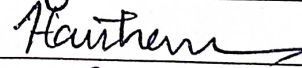
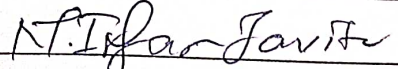
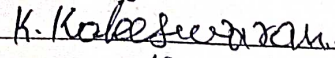
To understand the basics of cyber security and how ethical hacking is done on Cyber space and how to secure and protect them like security experts

Course Outcomes (CO)

On the successful completion of the course, students will be able to

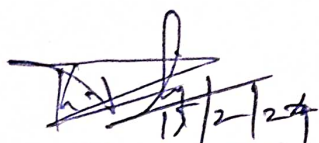
CO Number	CO Statement	Knowledge Level
CO1	Remember the basic concepts of cyber security	K1,K2
CO2	Understand the knowledge about ethical hacking	K2, K3
CO3	Deploy the use of hacking tools	K2, K3
CO4	Understand the concepts of Network	K2
CO5	Advantages of internet	K3

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	
2.	21-CH-02	S. Balavignesh	
3.	21-CH-03	S. GOKUL SANJAY	
4.	21-CH-04	S. Gokulakrishnan	
5.	21-CH-05	K. Guruchandran	
6.	21-CH-06	H. Hariharan	
7.	21-CH-07	M. Ifan Fariz	
8.	21-CH-08	K. Kalaswaram	
9.	21-CH-10	G. KARTHIKEYAN	

10	21-CH-11	S. Laviprawin	S. Laviprawin
11	21-CH-12	R. Madhankumar	R. Madhankumar
12	21-CH-13	S. Manodeepak	S. Manodeepak
13	21-CH-14	K. Monosanjith	K. Monosanjith
14	21-CH-15	K. Prameenkumar	K. Prameenkumar
15	21-CH-16	Rishi . S	Rishi . S
16	21-CH-17	B. Saravanan	B. Saravanan
17	21-CH-18	M. Sivaraman Bhorathi	M. Sivaraman Bhorathi
18	21-CH-19	M. Suryaprasath	M. Suryaprasath
19	21-CH-21	E. Vijayaraj	E. Vijayaraj
20	21-CH-23	ABINAVA.V	ABINAVA.V
21	21-CH-24	S. Akalya	S. Akalya
22	21-CH-25	T. Devaki S.A. Aneesh	T. Devaki S.A. Aneesh
23	21-CH-26	I. Anusuya	I. Anusuya
24	21-CH-28	Baranika . A	A. Baranika
25	21-CH-29	K. Deepika	K. Deepika
26	21-CH-30	T. Devaki	T. Devaki
27	21-CH-32	G. Gokula Priga	G. Gokula Priga
28	21-CH-33	G. G. R. R	G. G. R. R
29	21-CH-34	M. Janani	M. Janani
30	21-CH-35	S. Kavya	S. Kavya
31	21-CH-36	S. Lalitha Sri	S. Lalitha Sri
32	21-CH-37	R. Madhumitha	R. Madhumitha
33	21-CH-38	M. S. Madhuranani	M. S. Madhuranani
34	21-CH-39	NANATHINI. V	Nanathi . V
35	21-CH-40	NANA NARAYANAN	Nana . V
36	21-CH-41	NESHA.V	Nesha . V
37	21-CH-42	Nivethitha . V	Nivethitha . V

38	21-CH-43	PAVITHRA . K	K.P.
39	21-CH-45	R. Ritthika Darshni	Ritthika
40	21-CH-46	V. Saranya	Sarany
41	21-CH-47	M. Sree varshini	Absent
42	21-CH-48	M. dubasree	M. dubasree
43	21-CH-49	A. Sujitha vardhani	A. Sujitha vardhani
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	S. Sreetha . K	K. Sreetha .
46	21-CH-53	Vaishnavi . D	D. Vaishnavi



Signature of the Course Teacher



HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.



PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY611			Title	Batch:	2021 - 2024
				Core – IX: Physical Methods and Chemical Structure	Semester:	VI
Lecture Hrs./Week	4	Tutorial Hrs./Sem.	1		Credits:	4

Course Objective

To make the students to acquire knowledge in basic concepts of spectroscopy, gain basic knowledge in various spectroscopic techniques like rotational, vibrational, Raman, UV-visible, NMR, EPR and Mass spectrometry and to understand the electrical and magnetic properties of molecules.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect and understand the basic theoretical concepts in various types of spectroscopy	K1, K2
CO2	Interpret the structure of the unknown molecules from the given spectra	K4
CO3	Evaluate various parameters like bond length, vibrational frequency, Chemical shift, coupling constant from different spectroscopic techniques	K4
CO4	Understand the crystal packing and defects in ionic and covalent solids	K2
CO5	Apply electrical and magnetic properties in solving the structures of themolecules	K3, K4

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	@dhush
2.	21-CH-02	S. Balavignesh	S. Polaviriz

3.	21-CH-03	S. Gokul Sanjay	S. Gokul
4.	21-CH-04	J. Gokul Dakshinam	J. Gokul
5.	21-CH-05	K. Gurus Chandran	K. Gurus.
6.	21-CH-06	M. Hanitharan	Hanithan
7.	21-CH-07	M. T. Jan Javith	M. T. Jan Javith
8.	21-CH-08	K. K. K. K. K. K.	K. K. K. K. K.
9.	21-CH-10	G. K. K. K. K. K.	G. K. K. K. K.
10.	21-CH-11	S. K. K. K. K. K.	S. K. K. K. K.
11.	21-CH-12	K. Madhankumar	K. M.
12.	21-CH-13	S. Manodeepak	S. Manodeepak
13.	21-CH-14	K. Manoranjan	K. Manoranjan
14.	21-CH-15	K. Praveen Kumar	K. Praveen.
15.	21-CH-16	Rishi. S	
16.	21-CH-17	R. Saravanan	R. Saravanan
17.	21-CH-18	M. Sumanandhi Bhaskar	M. Sumanandhi Bhaskar
18.	21-CH-19	M. Sanyaprasath	M. Sanyaprasath
19.	21-CH-21	F. Vijayaraj	F. Vijayaraj
20.	21-CH-23	V. Abiraj	V. Abiraj
21.	21-CH-24	S. Akalya	S. Akalya
22.	21-CH-25	S. A. Anesha	S. A. Anesha
23.	21-CH-26	I. Anusuya	I. Anusuya
24.	21-CH-28	Barnika. A	B. Barnika
25.	21-CH-29	K. Deepika	K. Deepika
26.	21-CH-30	T. Devidi	T. Devidi
27.	21-CH-32	G. Gokula Priya	G. Gokula
28.	21-CH-33	R. Gopiika	R. Gopiika
29.	21-CH-34	M. Janani	Janani. M.
30.	21-CH-35	S. Kanya	S. Kanya
31.	21-CH-36	S. Lalitha Sri	S. Lalitha Sri.

32	21-CH-37	I. Madhumitha	* Madhu S.
33	21-CH-38	M.S. Madhumavani	M.S. Madhumavani
34	21-CH-39	Nandhini - V	Nandini -
35	21-CH-40	Navya Narayanan	Navya -
36	21-CH-41	V. Nisha	V. Nisha
37	21-CH-42	Nivethitha - V	Nivethitha - V
38	21-CH-43	PAVITHRA K	* P.V. K.
39	21-CH-45	R. Ritthika Darshini	Ritika -
40	21-CH-46	Saranya - V	Saranya - V
41	21-CH-47	M. Sri Varshini	M. Sri Varshini
42	21-CH-48	M. Subasree	M. Subasree
43	21-CH-49	A. Siji Vandhana	A. Siji Vandhana
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	K. Suettha	Suettha - K
46	21-CH-53	D. Vaishnavi	D. Vaishnavi



Signature of the Course Teacher



HoD

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Assistant Professor & Head
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Pollachi - 642 001.



PRINCIPAL

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N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY612			Title	Batch:	2021 - 2024
Lecture Hrs./Week	4	Tutorial Hrs./Sem.	1	Core – X	Semester:	VI
				Organic Chemistry - II	Credits:	4

Course Objective

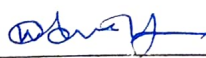
To enhance the basic knowledge of the chemistry of solving problems, polynuclear hydrocarbons, amino acids, peptides, proteins, lipids, vitamins and chemotherapy.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember in solving problems of some functional groups and preparation, properties, reactions of polynuclear hydrocarbons	K1
CO2	Relate the structure and properties of amino acids, nucleic acids and peptides	K2
CO3	Analyze the classification, constitution and synthesis of proteins, lipids and vitamins	K4
CO4	Explain the synthesis of amino acids and peptides and functions, energy carriers of nucleotides.	K5
CO5	Develop the skill to classify the drugs such as chemotherapy, sulphadurugs, antimalarials, aneasetheticsand antibiotics	K3

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	
2.	21-CH-02	S Balavignesh	
3.	21-CH-03	S. GOKUL SANJAY	

4.	21-CH-04	F. Gubulalathman	<u>Q. G. M</u>
5.	21-CH-05	K. Cuvanchandson	-
6.	21-CH-06	M. Haruharian	<u>Hanthan</u>
7.	21-CH-07	M. N. San Jantz	<u>K. N. San Jantz</u>
8.	21-CH-08	K. Kaka Serran	<u>K. Kaka Serran</u>
9.	21-CH-09	G. G. S. K. K. K.	<u>G. G. S. K. K. K.</u>
10.	21-CH-10	S. Lampirawin	<u>S. Karp</u>
11.	21-CH-11	R. Madhankumar	<u>R. M.</u>
12.	21-CH-12	S. Manodeepak	<u>S. Manodeepak</u>
13.	21-CH-13	K. Monoranjith	<u>K. Monoranjith</u>
14.	21-CH-14	K. Praveenkumar	<u>K. Praveen</u>
15.	21-CH-15	R. S. S.	<u>R. S. S.</u>
16.	21-CH-16	R. Saravanan	<u>R. Saravanan</u>
17.	21-CH-17	M. Sumanandha Phorath	<u>Sumanandha Phorath</u>
18.	21-CH-18	Suryaprasath M	<u>M. S.</u>
19.	21-CH-19	L. Vijayaraj	<u>L. Vijayaraj</u>
20.	21-CH-20	Abinaya V	<u>Abinaya</u>
21.	21-CH-21	S. Akalya	<u>S. A. K.</u>
22.	21-CH-22	S. S. S. S.	<u>S. S. S. S.</u>
23.	21-CH-23	S. Anusuya	<u>S. Anusuya</u>
24.	21-CH-24	Baranika A	<u>A. Baranika</u>
25.	21-CH-25	K. Deepika	<u>K. Deepika</u>
26.	21-CH-26	T. Devaki	<u>T. Devaki</u>
27.	21-CH-27	G. G. G. G.	<u>G. G. G. G.</u>
28.	21-CH-28	R. Gopika	
29.	21-CH-29	M. J. J.	<u>M. J.</u>
30.	21-CH-30	S. Kavya	<u>S. Kavya</u>
31.	21-CH-31	S. Lalitha S. S.	<u>S. Lalitha S. S.</u>
32.	21-CH-32	K. Madhumitha	<u>K. Madhumitha</u>

33	21-CH-38	M.S. Madhuvani	
34	21-CH-39	V. Nandhini	
35	21-CH-40	Nanya Narayanan	Paul
36	21-CH-41	NESHA.V	Qm.V
37	21-CH-42	Nivethitha.V	Divya
38	21-CH-43	PAVITHRA.K	K.P.
39	21-CH-45	R. Ritthika Dharshni	Rishi
40	21-CH-46	V. Saranya	Saro
41	21-CH-47	SRI varshini.M	
42	21-CH-48	M. dubasee	Md
43	21-CH-49	d. Sujitha Vardhani	Sujitha Vardhani.A
44	21-CH-50	N. Sumithra	
45	21-CH-51	Sumitha.K	Sumitha.K
46	21-CH-53	D. Vaishnavi	D. Vaishnavi



Signature of the Course Teacher



HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.



PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Core Paper- XI Chemical Kinetics and Quantum mechanics				
Units	Chapter Name	Name	Sc No	Duration
	Topic	Sub Topic	S. No	Duration (Mins)
Unit I	Chemical Kinetics-I	The concept of Reaction Rate, Rate law and Rate equation	1	60
		Factors influencing rates of chemical reactions	2	60
		Order and Molecularity of a reaction	3	60
		Setting and solving simple differential equations for first order	4	60
		Setting and solving simple differential equations for second order	5	60
		Setting and solving simple differential equations for zero order	6	60
		Pseudounimolecular reactions	7	60
		Half-life time of a reaction – Expressions for $t_{1/2}$ -for first, second and nth order reactions.	8	60
		Experimental techniques for measuring reaction kinetics – Volumetry	9	60
		Experimental techniques for measuring reaction kinetics – Polarimetry	10	60
		Problems	11	60
Unit II	Chemical Kinetics-II	Methods of determining order of a reaction – Differential rate expressions method	12	60
		Methods of determining order of a reaction – Integral rate expressions and Half-life method	13	60
		Related problems	14	60
		Equilibrium approximation and Steady state approximation.	15	60
		Effect of Temperature on reaction rates - Arrhenius equation	16	60
		Temperature co-efficient,	17	60
		Derivation, activation energy and its determination.	18	60
		Related Problems	19	60

		Theories of reaction rates: Lindemann theory of Unimolecular reactions	20	60
		Collision theory and Absolute reaction rate theory (Derivation not necessary)	21	60
Unit III	Catalysis	General characteristics of Catalytic reactions	22	60
		Types of catalysis –Theories of Homogeneous and Heterogeneous catalysis	23	60
		Kinetics of acid base catalyzed reactions.	24	60
		Kinetics of enzyme-catalysed reactions – Michaelis	25	60
		Effect of Temperature and pH on enzyme catalysis.	26	60
	Adsorption	Chemisorption and physisorption,	27	60
		Adsorption of gases by solids	28	60
		Factors affecting adsorption	29	60
		Types of adsorption isotherms – Freundlich adsorption isotherm	30	60
		Types of adsorption isotherms – Langmuir adsorption isotherms	31	60
Unit IV	Photochemistry	Consequence of light absorption – The Jablonski diagram	32	60
		Laws of Photochemistry - Lambert and Lambert-Beer's laws	33	60
		Grothus–Draper law, The Stark–Einstein law of photochemical equivalence	34	60
		quantum efficiency and its determination	35	60
		Kinetics of H ₂ - Cl ₂ reaction	36	60
		Kinetics of H ₂ –Br ₂ reaction	37	60
		Comparison of thermal and photochemical reactions	38	60
		Photosensitization and Quenching	39	60
		Chemiluminescence	40	60
		Lasers and their uses	41	60
Unit V	Quantum Mechanics	The need for quantum mechanics	42	60
		Functions: Real, complex, odd, even orthogonal and normalized functions	43	60
		Operators: linear and non-linear	44	60
		differential, Hermitian, Hamiltonian	45	60
		momentum (linear and angular)	46	60
			47	60

		commutator (Theorems) and non-commutators,	48	60
		Eigen functions and eigen values.	49	60
		Postulates of quantum mechanics	50	60
		Discussion and clarification	51	60
		Unit Test	52	60


Faculty Incharge


HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.


PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY613			Title	Batch:	2021 – 2024
				Core - XI	Semester:	VI
Lecture Hrs./Week	4	Tutorials /Sem	2	Chemical Kinetics and Quantum mechanics	Credits:	4

Course Objective

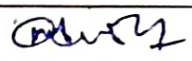
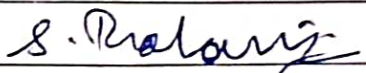
To acquire the necessary knowledge on type of reactions, determination of rate, theories of reaction rate, mechanism of catalytic action, basics and kinetics of photochemical reactions and the fundamentals of quantum mechanics.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recognize the basic terminologies of chemical kinetics	K1
CO2	Understand the theories of reaction rates	K2
CO3	Analyse the types and kinetics of catalysis, adsorption isotherms and their significance.	K3
CO4	Describe the laws of photochemistry and theories of reaction rates and explain various photochemical processes using Jablonski diagram	K4&K5
CO5	To become familiar with the quantum mechanical functions and operators	K2

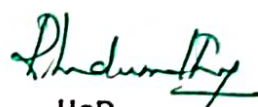
Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	
2.	21-CH-02	S. Balavignesh	

3.	21-CH-03	S. GOKUL SUNDAR	S. Gokul
4.	21-CH-04	J. Gokulakrishnan	J. Gokul
5.	21-CH-05	K. Gurus chandran	K. Gurus
6.	21-CH-06	M. Hantharan	Hanthan
7.	21-CH-07	M. Irfan Javith	M. Irfan Javith
8.	21-CH-08	K. Kalpeshwaran	K. Kalpeshwaran
9.	21-CH-10	G. Karthikeyan	G. Karthikeyan
10.	21-CH-11	S. Kavipravin	S. Kavipravin
11.	21-CH-12	R. Madhankumar	R. Madhankumar
12.	21-CH-13	S. Manodeepak	S. Manodeepak
13.	21-CH-14	K. Manojan	K. Manojan
14.	21-CH-15	K. Praveenkumar	K. Praveenkumar
15.	21-CH-16	P. Rishi S	P. Rishi S
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sumantha Bharathi	M. Sumantha Bharathi
18.	21-CH-19	M. Suryaprasanth	M. Suryaprasanth
19.	21-CH-21	E. Vijayaraj	E. Vijayaraj
20.	21-CH-23	V. Abhinaya	V. Abhinaya
21.	21-CH-24	S. Akhya	S. Akhya
22.	21-CH-25	S. A. Aneetha	S. A. Aneetha
23.	21-CH-26	I. Anusuya	I. Anusuya
24.	21-CH-28	A. Baraniha	A. Baraniha
25.	21-CH-29	K. Deepika	K. Deepika
26.	21-CH-30	T. Devaki	T. Devaki
27.	21-CH-32	G. Gokula Priya	G. Gokula Priya
28.	21-CH-33	R. Gopika	R. Gopika
29.	21-CH-34	M. Janani	M. Janani
30.	21-CH-35	S. Kanya	S. Kanya

31	21-CH-36	S. Lalitha Sri	S. Lalitha Sri
32	21-CH-37	Madhumitha. K	K. Madhu V.
33	21-CH-38	M. S. Madhuvani	M. S. Madhuvani
34	21-CH-39	Nandhini. V	Nandini
35	21-CH-40	Nanya Narayanan	Nanya
36	21-CH-41	NESHA. V	Nesha V
37	21-CH-42	Nivethitha V	Nivethitha V
38	21-CH-43	PAVITHRA. K	K. Pavithra
39	21-CH-45	R. Ritthika Darshini	R. Ritthika
40	21-CH-46	V. Saranya	V. Saranya
41	21-CH-47	M. Soukshin	Absent
42	21-CH-48	N. Subasree	N. Subasree
43	21-CH-49	D. Sujivardhani	D. Sujivardhani
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	K. Suettha	K. Suettha
46	21-CH-53	D. Valshani	D. Valshani


Signature of the Course Teacher


HoD


PRINCIPAL

Dr. INDUMATHY RAMASAMY M.Sc, Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.

Dr. R. MUTHUKUMARAN
M.A., M.Phil., B.Ed.,
PRINCIPAL
N.G.M. College, Pollachi - 642
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY614			Title	Batch:	2021 – 20
				Core – XII	Semester:	VI
Lecture Hrs./Week	4	Tutorial Hrs./Sem.	1	Polymer Chemistry	Credits:	4

Course Objective

To learn about recent advances in polymers, impart knowledge about polymerization reactions and stereochemistry, familiarize the different polymer processing techniques and synthesis of some commercially important polymers.

Course Outcomes

On the successful completion of the course, students will be able to

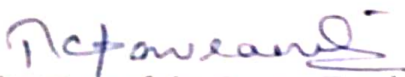
CO Number	CO Statement	Knowledge Level
CO1	Classify the types of polymers and recognize the basic concepts	K2
CO2	Understand and illustrate the mechanisms of polymerization	K2,K3
CO3	Appraise the stereochemistry of polymers and apply Z-N catalyst for the polymers	K4, K3
CO4	Calculate the molecular weight of polymers by various methods	K3
CO5	Acquiring knowledge of commercially important polymer products and its applications.	K2, K5

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. NIKASH	
2.	21-CH-02	S. Balavignesh	
3.	21-CH-03	S. GOKUL SANKAR	

4.	21-CH-04	Jc. Gokulavishwan	S. Gokul.
5.	21-CH-05	K. Guna chandran	K. Guna.
6.	21-CH-06	M. Harinathan	M. Harinathan
7.	21-CH-07	M. Irfan Javith	M. Irfan Javith
8.	21-CH-08	K. Kaleswara	K. Kaleswara
9.	21-CH-10	G. Karthikeyan	G. Karthikeyan
10.	21-CH-11	S. Kaviprasanth	S. Kaviprasanth
11.	21-CH-12	R. Madhankumar	R. Madhankumar
12.	21-CH-13	S. Manodeepak	S. Manodeepak
13.	21-CH-14	K. Manojkumar	K. Manojkumar
14.	21-CH-14	K. Praveenkumar	K. Praveenkumar
15.	21-CH-16	S. Rishi	S. Rishi
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sumanth Kumar	M. Sumanth Kumar
18.	21-CH-19	Suryaprakash M	Suryaprakash M
19.	21-CH-21	F. Vijayalakshmi	F. Vijayalakshmi
20.	21-CH-23	Abhinava V	Abhinava V
21.	21-CH-24	S. Akshaya	S. Akshaya
22.	21-CH-25	S. Animesha	S. Animesha
23.	21-CH-26	T. Anusuya	T. Anusuya
24.	21-CH-28	A. Anurag	A. Anurag
25.	21-CH-29	K. Deepika	K. Deepika
26.	21-CH-30	T. Devaki	T. Devaki
27.	21-CH-33	G. Gokula Priya	G. Gokula Priya
28.	21-CH-33	R. Gopika	R. Gopika
29.	21-CH-34	M. Ganani	M. Ganani
30.	21-CH-35	S. Kanya	S. Kanya
31.	21-CH-36	S. Lalitha Sri	S. Lalitha Sri

32	21-CH-37	Madhumitha . K .	K. Madhu .
33	21-CH-38	M.S. Madhuranani	M.S. Madhuranani
34	21-CH-39	Nandhini	V. Nandhini
35	21-CH-40	NANYA NARAYANAN	Nanya .
36	21-CH-41	NESHA . V	N. V
37	21-CH-42	Nivethitha . V	Nivethitha . V
38	21-CH-43	PAVITHRA . K	P. K .
39	21-CH-45	R Ritthika Darshni	R. Ritthika
40	21-CH-46	Saranya	Saranya
41	21-CH-47	Souvarshini . M	Absent
42	21-CH-48	M. Subashree	M. Subashree
43	21-CH-49	A. Sujivardhani	A. Sujivardhani
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	Smetha . K	Smetha . K
46	21-CH-52	D. Vaishnavi	D. Vaishnavi


Signature of the Course Teacher


HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
N.G.M. College, Pollachi (Autonomous)
Pollachi - 642 001.



PRINCIPAL
Dr. R. MUTHUKUMARAN,
M.A., M. Phil., B. Ed., P
PRINCIPAL
N.G.M. College, Pollachi - 642
Coimbatore District

Programme Code:	B.Sc.	Programme Title:	Bachelor of Chemistry	
Course Code:	21UCY615	Title	Batch:	2021 - 2024
		Core Practical - III	Semester:	VI
Practical Hrs./Week	6	Gravimetric Analysis and Physical Chemistry Experiments	Credits:	5

Course Objective

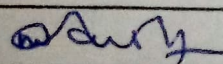
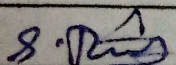
To develop practical and analytical skills in gravimetry and physical chemistry.

Course Outcomes

On the successful completion of the course, students will be able to

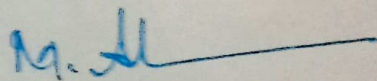
CO Number	CO Statement	Knowledge Level
CO1	Understand the basic concept of gravimetric analysis	K1
CO2	Analyse cations and anions quantitatively using gravimetric method	K1-K4
CO3	Enable the students to acquire practical skills in physical chemistry experiments	K3
CO4	Perform conductometric and potentiometric titrations and arrive the endpoint	K3,K4
CO5	Perform graphical analysis based on experimental data and to validate the experimental results	K5

Noted the CO's of this course

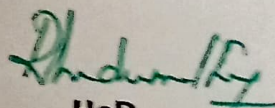
S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	
2.	21-CH-02	S. Balavignesh	
3.	21-CH-03	S. GOKUL SANJAY	
4.	21-CH-04	K. Gokulakrishnan	

5.	21-CH-05	K. Gurus chandran	K. Gurus.
6.	21-CH-06	M. Harinathan	Harinathan
7.	21-CH-07	M. Irfan Javith	M. Irfan Javith
8.	21-CH-08	K. Kadeswaran	K. Kadeswaran
9.	21-CH-10	G. KARTHIKEYAN	G. K. K.
10.	21-CH-11	S. Javiprawin	S. Javiprawin
11.	21-CH-12	R. Madhankumar	R. M.
12.	21-CH-13	S. Manodeepak	S. Manodeepak
13.	21-CH-14	K. Monorajith	K. Monorajith
14.	21-CH-15	K. Praneeth Kumar	K. Praneeth
15.	21-CH-16	S. Rishi	S. Rishi
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Suresh Babu	M. Suresh Babu
18.	21-CH-19	M. Suryaprasath	M. S.
19.	21-CH-21	E. Vijayaraj	E. Vijayaraj
20.	21-CH-23	Abinaya V	V. Abin
21.	21-CH-24	S. Akalya	S. A.
22.	21-CH-25	Aneetha S. d.	S. d. Aneetha
23.	21-CH-26	I. Anusuya	I. Anusuya
24.	21-CH-28	A. Baranika	A. Baranika
25.	21-CH-29	K. Deepika	K. Deepika
26.	21-CH-30	T. Devaki	T. Devaki
27.	21-CH-32	G. Gokula Priga	G. Gokula
28.	21-CH-33	R. GRIPIKA	R. Gripika
29.	21-CH-34	M. Janani	M. Janani
30.	21-CH-35	S. Kanya	S. Kanya
31.	21-CH-36	S. Lalitha Sri	S. Lalitha Sri
32.	21-CH-37	K. Madhanitha	K. Madhanitha

33	21-CH-38	M. S. Mathuramani	M. S. Mathuramani
34	21-CH-39	Nandhini V	Nandhi
35	21-CH-40	Nanya Narayanan	Dist.
36	21-CH-41	NESHA V	N. V
37	21-CH-42	Nivethitha V	Nivethitha V
38	21-CH-43	PAVITHRA K	K. P.
39	21-CH-45	R. Rithika Darshini	Rithika
40	21-CH-45	V. Saranyan	Saranyan
41	21-CH-47	M. Sri Varshini	Absent
42	21-CH-48	M. Subashree	Subashree
43	21-CH-49	A. Sujitha Varshini	Sujitha Varshini
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	K. Sushrutha K. Sushrutha	K. Sushrutha
46	21-CH-53	D. Vaishnavi	D. Vaishnavi

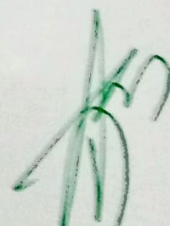


Signature of the Course Teacher



HoD

Dr. INDUMATHY RAMASAMY M.Sc, Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuru Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.



PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme code:	B.Sc.	Programme Title :	Bachelor of Chemistry	
Course Code:	21UCY6E1	Title	Batch :	2021-2024
		Core Elective - II : Analytical Chemistry - II	Semester	VI
Hrs/Week:	4		Credits:	5

Course Objective

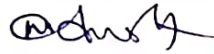
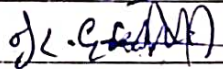
To acquire knowledge on basic concepts in separation techniques, volumetric analysis, various types of titrations, and Core Elective - II : Analytical Chemistry understand the basic principles of instrumentation

Course Outcome

On the successful completion of the course students will be able to

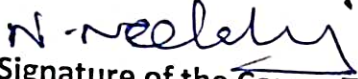
CO Number	CO Statement	Knowledge Level
CO1	Understand the basic principles of UV-visible spectrophotometer and IR spectrophotometer.	K1,K2
CO2	Apply separation techniques for the extraction of solvents	K2, K3
CO3	Understand the basic principles involved in neutralization titrations, PH and Buffer solutions.	K2, K4
CO4	Know about different types of titrations	K3
CO5	Gain knowledge on Analytical method in chemistry	K2, K5

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. ARAS+1	
2.	21-CH-02	S. Balavignesh	
3.	21-CH-03	S. GOKUL SANJAY	
4.	21-CH-04	J. Gobulakrishnan	

5.	21-CH-05	K. Guru chandran	K. Guru.
6.	21-CH-06	M. Hariharan	Hanthan
7.	21-CH-07	M. Irfan Javith	M. Irfan Javith
8.	21-CH-08	K. Kaleswaran	K. Kaleswaran.
9.	21-CH-10	G. Karthi Keyan	Karthi
10.	21-CH-11	S. Kaviprawin	S. K. P.
11.	21-CH-12	P. Madhan Kumar	P. Madhan
12.	21-CH-13	S. Manu deepak	S. Manu Deepa.
13.	21-CH-14	K. Manoranjan	K. Manoranjan
14.	21-CH-14	K. Praveenkumar	K. Praveen.
15.	21-CH-16	Rishi . S	
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sivanandha Bharathi	M. Sivanandha Bharathi
18.	21-CH-19	M. Swayaprasath	M. S.
19.	21-CH-21	E. Vijayaraj	E. Vijayaraj
20.	21-CH-23	Abiraja V	V. Abiraj
21.	21-CH-24	S. Akalya	S. A.
22.	21-CH-25	S. A. Anesha	S. A. Anesha
23.	21-CH-26	D. Anusuya	D. Anusuya.
24.	21-CH-28	Baranisha A	A. Baranisha
25.	21-CH-29	K. Deepika	K. Deepika.
26.	21-CH-30	G. Duwaki	G. Duwaki
27.	21-CH-32	G. Gokulapriya	G. Gokulapriya
28.	21-CH-33	R. Gopika	R. Gopika
29.	21-CH-34	M. Janani	M. Janani
30.	21-CH-35	S. Kavya	S. Kavya
31.	21-CH-36	S. Lalitha sri	S. Lalitha sri.
32.	21-CH-37	K. Madhumitha	K. Madhumitha

33	21-CH-38	M.S. Madhuvani	M.S. Madhuvani
34	21-CH-39	Nandhini.V	Nandhi
35	21-CH-40	Nanya Narayan	Nandhi
36	21-CH-41	NESHA.V	Nandhi
37	21-CH-42	Nivethitha.V	Nandhi
38	21-CH-43	PAVITHRA.K.	Nandhi
39	21-CH-45	R. Rithika Darshini	Nandhi
40	21-CH-46	V. Saranya	Nandhi
41	21-CH-47	M. Sai varshini	Nandhi
42	21-CH-48	M. Subasree	Nandhi
43	21-CH-49	Suji Vardhani. A.	Nandhi
44	21-CH-50	N. Sumithra	Nandhi
45	21-CH-51	K. Swetha	Nandhi
46	21-CH-53	D. Vaishnavi	Nandhi


Signature of the Course Teacher


HoD


PRINCIPAL

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL,
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme code:	B.Sc.	Programme Title :	Bachelor of Chemistry	
Course Code:	21UCY6S1	Title	Batch :	2021-2024
		Skill Based Elective –II	Semester	VI
Hrs/Week:	2	Green Chemistry	Credits:	2

Course Objective

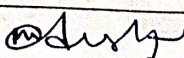
To learn about the environmental status, public awareness in evolution, principles involved in green chemistry, bio-catalytic reactions, global warming and its control measures, availability of green analytical methods.

Course Outcome

On the successful completion of the course, students will be able to

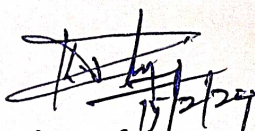
CO Number	CO Statement	Knowledge Level
CO1	Define the green chemistry	K1
CO2	Understand the basic principles of green chemistry	K2
CO3	Identify the environment friendly technologies and working conditions	K3
CO4	Analyse eco-friendly and less wasteful manufacturing process for the sustainable development of our country	K2 & K3
CO5	Know about the various analytical green methods	K3

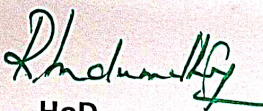
Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	21-CH-01	M. AKASH	

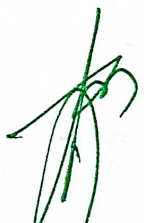
2.	21-CH-02	S. Balawignesh	S. V. V. V.
3.	21-CH-03	S. Gokul Sanjay	S. Gokul
4.	21-CH-04	J. Gokul Krishnan	K. Gura.
5.	21-CH-05	K. Gura Chandran	Harithan
6.	21-CH-06	M. Haritharan	M. Haritharan
7.	21-CH-07	M. Haritharan	M. Haritharan
8.	21-CH-08	K. Kaleeswaran	K. Kaleeswaran
9.	21-CH-10	G. Kartikeyan	G. Kartikeyan
10.	21-CH-11	S. Karimawin	S. Karimawin
11.	21-CH-12	R. Madhan Kumar	R. Madhan Kumar
12.	21-CH-13	S. Manodeepak	S. Manodeepak
13.	21-CH-14	K. Monoranjan	K. Monoranjan
14.	21-CH-15	K. Praveenkumar	K. Praveenkumar
15.	21-CH-16	Rishi S	Rishi S
16.	21-CH-17	B. Saravanan	B. Saravanan
17.	21-CH-18	M. Sumanandha Bharathi	M. Sumanandha Bharathi
18.	21-CH-19	M. Suryaprasath	M. Suryaprasath
19.	21-CH-21	F. Vijayaraj	F. Vijayaraj
20.	21-CH-23	Abinaya V	Abinaya V
21.	21-CH-24	S. Akalya	S. Akalya
22.	21-CH-25	Aneesa S. S.	Aneesa S. S.
23.	21-CH-26	I. Anusuya	I. Anusuya
24.	21-CH-28	A. Bawaniha	A. Bawaniha
25.	21-CH-29	K. Deepika	K. Deepika
26.	21-CH-30	T. Dewaki	T. Dewaki
27.	21-CH-32	G. Gokula Priga	G. Gokula Priga
28.	21-CH-33	R. Gopika	R. Gopika
29.	21-CH-34	M. Janani	M. Janani

30	21-CH-35	S. Kavya	S. Kavya
31	21-CH-36	S. Lalitha Sri	S. Lalitha Sri
32	21-CH-37	K. Madhumitha	K. Madhumitha
33	21-CH-38	M.S. Madhuranani	M.S. Madhuranani
34	21-CH-39	Nandhini. V	Nandhini
35	21-CH-40	Nanya Narayanan	Nanya
36	21-CH-41	NESHA. V	Nesha. V
37	21-CH-42	Nivethitha. V	Nivethitha. V
38	21-CH-43	PAVITHRA. K	Pavithra. K
39	21-CH-45	R. Ritthika Darshni	R. Ritthika Darshni
40	21-CH-46	Saranya.	Saranya
41	21-CH-47	Sri varshini. M	Absent
42	21-CH-48	M. Subasee	M. Subasee
43	21-CH-49.	Suji Vardhani. A	Suji Vardhani. A
44	21-CH-50	N. Sumithra	N. Sumithra
45	21-CH-51	K. Suettha	Suettha. K.
46	21-CH-53	D. Vaishnavi	D. Vaishnavi


Signature of the Course Teacher


HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.


PRINCIPAL

Dr. R. MUTHUKUMARAN
M.A., M.Phil., B.Ed.
PRINCIPAL
N.G.M. College, Pollachi - 64
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	22UCY304			Title	Batch:	2022 – 2025
				Core Paper- III Inorganic and Physical Chemistry	Semester:	III
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	2		Credits:	4

Course Objective

To impart knowledge on basic metallurgical process, alloys, fuels and fertilizers and to expound conceptions on thermodynamics of solutions, phase equilibria and colligative properties to succeed at an entry-level position in chemical industry or a chemistry graduate program.

Course Outcomes

On the successful completion of the course, students will be able to

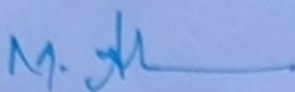
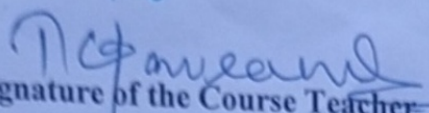
CO Number	CO Statement	Knowledge Level
CO1	Recall the basic metallurgical operations and understand the preparation and properties of alloys.	K1& K2
CO2	Understand the classification and properties of fuels and fertilizers	K2
CO3	Apply the concept of law of mass action to various equilibria	K3
CO4	Understand the concepts of thermodynamics of solution and construct and analyse the phase diagram.	K2 &K5
CO5	Correlate the relationship between colligative properties of dilute solutions and molecular mass of solute.	K5

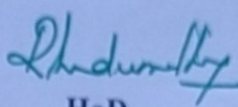
Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	22-CH-01	Gr. Deepadarsa	Gr. Deepadarsa

2.	22-CH-02	Ebi . M	Shy
3.	22-CH-04	Kavilesh . V	V. BSC
4.	22-CH-05	Mohammed shaher . A	A . MS
5.	22-CH-06	Mohammed summar shafudun . M	M. M. Shafudun
6.	22-CH-07	Niswan Priithir . S	S. P . P
7.	22-CH-08	Prauthiran . K	K. P . P
8.	22-CH-09	Prauen Kumar . T	T. P . P
9.	22-CH-11	Sakthivel Tharun . C	R. Sakthivel Tharun
10.	22-CH-12	Sanjay . S	Sanjay
11.	22-CH-13	Sanjay Shyam Victor . K	Sanjay Shyam Victor
12.	22-CH-14	Sasarama Kumar . TS	T.S. Sasarama
13.	22-CH-15	Sasaranapparammal . M	M. Sasaran
14.	22-CH-16	Tamilasasan . S	S. Tamil
15.	22-CH-18	Gurusu priya . K	K. Gurusu Priya
16.	22-CH-19	Hameetha Begum . M	M. Hameetha Begum
17.	22-CH-20	Janu shree . R	R. Janu shree
18.	22-CH-21	Kumuthini . S	S. Kumuthini D.
19.	22-CH-22	Madhumitha . A	A. Madhumitha
20.	22-CH-23	Mangaiyarkarasi . S	S. Mangaiyarkarasi
21.	22-CH-24	Navaneethitha . D	D. Navaneethitha
22.	22-CH-25	Nirmala Devi . R	R. Nirmala devi
23.	22-CH-26	Princy Florence . E	Princy .
24.	22-CH-28	Reshma . S	S. Reshma
25.	22-CH-31	Shathiya . K	K. Shathiya
26.	22-CH-32	Shwetha . S	S. Shwetha
27.	22-CH-33	Suba isree . G	G. Suba isree
28.	22-CH-34	Thaslima parveen . J	J. Thaslima
29.	22-CH-35	Udhaya . R	R. Udhaya
30.	22-CH-36	Vinotha . S	S. Vinotha
31.	22-CH-37	Yogaa Sri . SA	SA. Yogaa Sri

32	22-CH-38	Yogalakshmi . P	P. Arif
33	22-CH-39	Rekshina . S	P. Arif
34			



Signature of the Course Teacher


HoD
Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.


PRINCIPAL
Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Poliachi - 642 001
Coimbatore District

Programme Code:	B.Sc.			Programme Title:	Bachelor of Chemistry	
Course Code:	22UCY405			Title	Batch:	2022 – 202
				Core Paper – IV	Semester:	IV
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	1	Inorganic, Organic and Physical Chemistry	Credits:	4

Course Objective

To explain the periodic properties of elements, various reactions and stereoisomerism of organic compounds phase rule, radioactivity and nuclear reactions

Course Outcomes

On the successful completion of the course, students will be able to

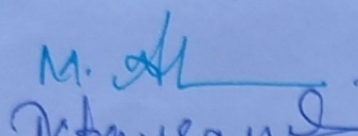
CO Number	CO Statement	Knowledge Level
CO1	Recollect the properties of transition and inner transition elements	K1
CO2	Understand the preparation, properties and various reactions of phenols, aliphatic and aromatic nitro compounds	K2
CO3	Analyse the classification of amines, separation, basic nature and optical and geometrical isomerism of certain organic compounds.	K4
CO4	Apply the concepts of phase rule, phase equilibria and its applications to various systems.	K3
CO5	Explain the radioactivity, types of nuclear reactions and the applications of isotopes.	K2, K5

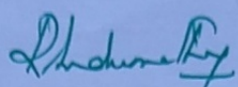
Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	22 - CH - 01	Deepadarsa . G	G. Deepadarsa
2.	22 - CH - 02	Ebi . M .	Ebi

3.	22-CH-04	Kavilesh . V	V. B. S. S.
4.	22-CH-05	Mohammed Shaheer . A	A. M. S.
5.	22-CH-06	Mohammed Ummu Shaifudeen . M	M. M. S.
6.	22-CH-07	Niswan Prithiv . S	S. S.
7.	22-CH-08	Pavithran . K	K. S.
8.	22-CH-09	Pravan Kumar . T	T. S.
9.	22-CH-11	Sakthivel Tharun . C	C. S.
10.	22-CH-12	Sanjay . S	S. S.
11.	22-CH-13	Sanjay Shyam Victor . K	K. S.
12.	22-CH-14	Saravann Kumar . TS	T. S.
13.	22-CH-15	Saravannapperumal . M	M. S.
14.	22-CH-16	Tamilarasan . S	S. S.
15.	22-CH-18	Guru Priya . K	K. S.
16.	22-CH-19	Hamatha Beg am . M	M. S.
17.	22-CH-20	Janu Shree . R	R. S.
18.	22-CH-21	Kumuthini . S	S. S.
19.	22-CH-22	Madhumitha . A	A. S.
20.	22-CH-23	Mangaiyarkkarasi . S	S. S.
21.	22-CH-24	Navaneethitha . D	D. S.
22.	22-CH-25	Nirmala Devi . R	R. S.
23.	22-CH-26	Pancy Florence . E	E. S.
24.	22-CH-28	Reshma . S	S. S.
25.	22-CH-31	Shathiya . K	K. S.
26.	22-CH-32	S. Shwetha .	S. S.
27.	22-CH-33	Suba free . G	G. S.
28.	22-CH-34	Thaslima Parveen . J	J. S.
29.	22-CH-35	Udhaya . R	R. S.
30.	22-CH-36	Vinodha . S	S. S.
31.	22-CH-37	Yogaa Sri . SA	SA. S.
32.	22-CH-38	Yogalakshmi . P	P. S.

33	22-CH-39	Rekehina. S	Rekehina. S
34			


Signature of the Course Teacher


HoD
 Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
 Assistant Professor & Head
 Department of Chemistry
 Nallamuthu Gounder Mahalingam College (Autonomous)
 Pollachi - 642 001.


PRINCIPAL
Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

22UCY405 - Core Paper – IV
Inorganic, Organic and Physical Chemistry

Unit	Topic	Sub Topic	S. No	Duration (Mins)
UNIT-I	Chemistry of d-block elements	General comparison of 3d, 4d and 5d elements in term of electronic configuration	1	60
		Metallic nature, oxidation states	2	60
		Ionization energies and redox properties	3	60
		Formation of complexes and spectral properties	4	60
		Magnetic properties	5	60
	Chemistry of f-block elements	Lanthanides: Electronic configuration	6	60
		Oxidation states	7	60
		variation in atomic and ionic (3+) radii,	8	60
		Magnetic properties	9	60
		Lanthanide contraction and its consequences.	10	60
		Separation of Lanthanide elements by ion exchange method.	11	60
		Actinides: Electronic structure	12	60
		Oxidation states	13	60
		Variation in atomic and ionic (3+) radii,	14	60
		Magnetic properties	15	60
		Comparison of Lanthanides with Actinides	16	60
		Extraction of Uranium from Pitch blende	17	60
		Discussion and clarification	18	60
Unit IV	Phase rule and phase equilibria	Introduction to Two component system	19	60
		Construction of phase diagram by thermal analysis	20	60
		Simple eutectic	21	60
		Simple eutectic- Pb-Ag System	22	60

		Formation of compounds with congruent melting point	23	60
		Formation of compounds with congruent melting point: Zn-Mg system.	24	60
		Formation of compounds with incongruent melting point	25	60
		Formation of compounds with incongruent melting point: Na-K system	26	60
		Salt-Water system: Potassium Iodide-Water system.	27	60
Unit V	Nuclear Chemistry	Radioactivity- types of radioactivity	28	60
		Types of radioactive rays	29	60
		Nuclear stability-n/p ratio	30	60
		Magic numbers- nuclear binding energy	31	60
		Mass defect- nuclear shell model - groups displacement law	32	60
		Decay constant – half- life period	33	60
		Radioactive equilibrium- transmutation-artificial transmutation	34	60
		Applications of artificial transmutation-radioactive series.	35	60
		Nuclear reactions types	36	60
		Fission and fusion reactions	37	60
		Principle and working of nuclear reactors.	38	60
		Isotopes: Separation of isotopes	39	60
		Identification of isotopes	40	60
		Isotopes of hydrogen-isotope effect	41	60


Faculty incharge


HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.


PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Poliachi - 642 001
Coimbatore District

Programme Code:	B.Sc			Programme Title:	Bachelor of Chemistry	
Course Code:	23UCY101			Title	Batch:	2023 – 2026
				CC I:	Semester:	I
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	1	Inorganic and Organic Chemistry	Credits:	5

Course Objective

To understand basic theoretical concepts on chemical bonding and hybridization, acquire knowledge on aromaticity, mechanistic pathway of aliphatic nucleophilic substitutions and aromatic electrophilic substitutions in organic reactions.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect the types of chemical bonding	K1, K2
CO2	Deduce the geometry of the molecules and apply MOT to Homonuclear and Heteronuclear molecules and understand the basic theoretical concepts in inorganic qualitative analysis.	K2, K3
CO3	Write the nomenclature of organic compounds and analyze the reactions of alkenes and examine the relevant name reaction	K2, K4
CO4	Apply the concepts in determining the mechanisms of aliphatic nucleophilic substitution reactions	K3
CO5	Interpret the factors affecting in determining the orientation and reactivity of the aromatic compounds	K2, K5

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	23-CH-01	Aakashwar D.K	Aakashwar

2.	23-CH-02	D. Hari Prakash	Hari
3.	23-CH-03	G. Kavirish	G. Kavirish
4.	23-CH-04	M. Kavirish	M. Kavirish
5.	23-CH-05	R. Manoj Kumar	R. Manoj
6.	23-CH-06	MOHAN PRABHU	M. Mohan
7.	23-CH-07	M. Murali	M. Murali
8.	23-CH-08	S. Sajan	S. Sajan
9.	23-CH-10	Vishnu - R	Vishnu - R
10.	23-CH-11	M. Abinaya	M. Abinaya
11.	23-CH-13	S. Anu Teerthana	S. Anu Teerthana
12.	23-CH-14	N. Anu Priya	N. Anu Priya
13.	23-CH-15	K. Aysla Siddika	K. Aysla Siddika
14.	23-CH-16	S. Chandra prabha	S. Chandra prabha
15.	23-CH-17	T.S. Dana Sree	T.S. Dana Sree
16.	23-CH-18	B. Deivanai	B. Deivanai
17.	23-CH-19	S. Divya	S. Divya
18.	23-CH-20	D. Divya	D. Divya
19.	23-CH-21	S. Divya	S. Divya
20.	23-CH-22	R. Divyadarshni	R. Divyadarshni
21.	23-CH-23	S. Divyadarshni	S. Divyadarshni
22.	23-CH-24	D. Girana Sri	D. Girana Sri
23.	23-CH-25	M. Hemamal	M. Hemamal
24.	23-CH-26	K.P. Ilackiyaa	K.P. Ilackiyaa
25.	23-CH-27	P. Indhureka	P. Indhureka
26.	23-CH-28	Kalaivani. K	Kalaivani. K
27.	23-CH-29	M. KARTHIKA	M. KARTHIKA
28.	23-CH-30	E. Kanipriya	E. Kanipriya
29.	23-CH-31	T.G. Mahalakshmi	T.G. Mahalakshmi
30.	23-CH-32	R. Noorul Juvairiya	R. Noorul Juvairiya
31.	23-CH-33	S. Poja	S. Poja

32	23-CH-34	D. Raja Shree	D. Raja Shree
33	23-CH-35	P. Rithanya	P. Rithanya
34	23-CH-36	P. Rohini	P. Rohini
35	23-CH-37	N. Sajna	N. Sajna
36	23-CH-38	Shahana A.	Shahana
37	23-CH-39	M. Sheeba	M. Sheeba
38	23-CH-40	G. Sowparnika	G. Sowparnika
39	23-CH-41	K. Vijaya Lakshmi	K. Vijaya Lakshmi
40	23-CH-42	N. Swathi	N. Swathi
41	23-CH-43	J. Vijayeswari	J. Vijayeswari
42	23-CH-44	K. Sindhuja devi	K. Sindhuja devi

[Signature]

Signature of the Course Teacher

[Signature]

HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Counder Mahalingam College (Autonomous)
Pollachi - 642 001.

[Signature]

PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Poliachi - 642 001
Coimbatore District

Programme Code:	B.Sc			Programme Title:	Bachelor of Chemistry	
Course Code:	23UCY202			Title	Batch:	2023 – 202
				CC II :	Semester:	II
Lecture Hrs./Week	5	Tutorial Hrs./Sem.	1	Organic and Physical Chemistry	Credits:	4

Course Objective

To acquire knowledge on the mechanisms of reactions in carbonyl compounds, understand basics concepts on quantum chemistry and important laws of thermodynamics.

Course Outcomes

On the successful completion of the course, students will be able to

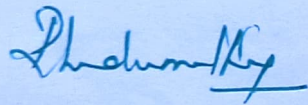
CO Number	CO Statement	Knowledge Level
CO1	Discuss the preparation, properties of alcohols, dicarboxylic acids, hydroxy acids and esters	K2
CO2	Analyse the reactions of aldehydes / ketones and examine the relevant reactions and understand the basic principles involved in volumetric analysis	K4, K3
CO3	Apply quantum chemical treatment to sub-atomic particles of atom	K3
CO4	State and apply first law of thermodynamics, perform calculations for physical process	K3, K4
CO5	Analyse the feasibility of the reaction	K4

Noted the CO's of this course

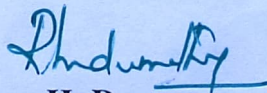
S.No	Reg. No	Name of the student	Signature of the student
1.	23-CH-01	Adarshwar . D. IC	Adarshwar
2.	23-CH-02	D. Hari prakash	HAP

3.	23-CH-03	G. Karinesh	G. Karj
4.	23-CH-04	M. Kavin Kumar	M. Kf
5.	23-CH-05	R. Manoj Kumar	R. Manoj
6.	23-CH-06	MOHAN PRABHU.T	M. Mohan pr
7.	23-CH-07	M. Mrudul	M. Mrudul
8.	23-CH-08	S. Salan	S. Salan
9.	23-CH-10	Vishnu.R	Vishnu.R
10	23-CH-11	M. Abinaya	M. Abinaya
11	23-CH-13	S. Anu Teerthana	S. Anu Teerthana
12	23-CH-14	N. Anu Priya	N. Anu Priya
13	23-CH-15	K. Aysla Siddika	K. Aysla Siddika
14	23-CH-16	S. Chandraprabha	S. Chandraprabha
15	23-CH-17	T.S. Dhanasee	T.S. Dhanasee
16	23-CH-18	B. Delvanai	B. Delvanai
17	23-CH-19	S. Divya	S. Divya
18	23-CH-20	D. Divya	D. Divya
19	23-CH-21	S. Divya	S. Divya
20	23-CH-22	R. Divyadharsini	R. Divyadharsini
21	23-CH-23	S. Divyadharsini	S. Divyadharsini
22	23-CH-25	M. Hemamal	M. Hemamal
23	23-CH-26	K.P. Ilackiyaa	K.P. Ilackiyaa
24	23-CH-24	S. Girana Devi	S. Girana Devi
25	23-CH-27	P. Indhureka	P. Indhureka
26	23-CH-28	Kalaivani.K	Kalaivani.K
27	23-CH-29	M. KARTHIKA	M. KARTHIKA
28	23-CH-30	E. Kavipriya	E. Kavipriya
29	23-CH-31	T.G. Mahalingam	T.G. Mahalingam
30	23-CH-32	R. Noorul Javahiraya	R. Noorul Javahiraya
31	23-CH-33	S. Poornima	S. Poornima
32	23-CH-34	D. Rajasree	D. Rajasree

33	23-CH-35	P. Rithanya	P. Rithanya
34	23-CH-36	P. Rohini	P. Rohini
35	23-CH-37	N. Sajana	Sajana
36	23-CH-38	Shahana A	Shahana
37	23-CH-39	M. Sheeba	Sheeba
38	23-CH-40	G. Sowparnika	G.
39	23-CH-41	N. Swathi	N. Swathi
40	23-CH-42	K. Vijayalaxmi	V.
41	23-CH-43	J. Vijayeshwari	J. Vijayeshwari
42	23-CH-44	K. Sindhuja Devi	K. Sindhuja



Signature of the Course Teacher



HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.



PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Pollachi - 642
Coimbatore District

Programme Code:	B.Sc	Programme Title:	Bachelor of Chemistry	
Course Code:	23UCY203	Title	Batch:	2023-2026
Lecture Hrs./Week	3	CC Lab - I: Inorganic Qualitative Analysis	Semester:	II
			Credits:	3

Course Objective

To know about the skills of using glassware's and apparatus used in qualitative analysis, develop the analytical skills in inorganic qualitative analysis and know the chemistry principles applied in qualitative analysis.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember the procedure for the analysis	K1, K2
CO2	Understand and apply the theoretical knowledge to chemical reactions responsible for the reactions leading to identification of the given radicals	K2, K3
CO3	Separate the cations into groups and to identify them	K1, K4
CO4	apply the theoretical knowledge in the preparation of inorganic metal complexes	K3

Noted the CO's of this course

S.No	Reg. No	Name of the student	Signature of the student
1.	23-CH-01	Adarsh D. K	Adarsh
2.	23-CH-02	Dr. Hariprakash	Hariprakash
3.	23-CH-03	Dr. Karishma	Dr. Karishma
4.	23-CH-04	M. Karan Kumar	M. Karan

5.	23-CH-05	R. Manoj Kumar	R. Mani
6.	23-CH-06	MOHAN PRABHU. T	T. Dipak
7.	23-CH-07	M. Mrudul	M. Mrudul
8.	23-CH-08	S. Salan	S. Salan
9.	23-CH-10	Vishnu - R	Vishnu - R
10	23-CH-11	M. Abinaya	M. Abinaya
11	23-CH-13	S. Anupriya	S. Anupriya
12	23-CH-14	N. Ann Priya	N. Ann Priya
13	23-CH-15	K. Aysla Siddika	K. Aysla Siddika
14	23-CH-16	S. Chandra prabha	S. Chandra prabha
15	23-CH-17	T.S. DanaSree	T.S. DanaSree
16	23-CH-18	B. Delvarai	B. Delvarai
17	23-CH-19	S. Divya	S. Divya
18	23-CH-20	D. Divya	D. Divya
19	23-CH-21	S. Divya	S. Divya
20	23-CH-22	R. Divyadharsini	R. Divyadharsini
21	23-CH-23	G. Divyadharsini	G. Divyadharsini
22	23-CH-24	A. Gnanasui	A. Gnanasui
23	23-CH-25	M. Hemamal	M. Hemamal
24	23-CH-26	K.P. Ilackiyaa	K.P. Ilackiyaa
25	23-CH-27	P. Indhureka	P. Indhureka
26	23-CH-28	Kalaivani. K	Kalaivani. K
27	23-CH-29	M. KARTHIKA	M. KARTHIKA
28	23-CH-30	E. Karisipriya	E. Karisipriya
29	23-CH-31	T.G. Mahalakshi	T.G. Mahalakshi
30	23-CH-32	R. Noorul Juvairiya	R. Noorul Juvairiya
31	23-CH-33	B. Pooja	B. Pooja
32	23-CH-34	D. Raja Shree	D. Raja Shree
33	23-CH-35	P. Rithanya	P. Rithanya
34	23-CH-36	P. Rohini	P. Rohini

35	23-CH-37	N. Sainaa	N. Sainaa
36	23-CH-38	Shahana A.	Shahana
37	23-CH-39	M. Sheeba	Sheeba
38	23-CH-40	G. Gowparnika	G.
39	23-CH-41	N. Swathi	N. Swathi
40	23-CH-42	K. Vijayalaxshmi	V.
41	23-CH-43	J. Vijayeswari	J. Vijayeswari
42	23-CH-44	K. Sindhuja devi	K. Sindhuja devi



Signature of the Course Teacher



HoD

Dr. INDUMATHY RAMASAMY M.Sc., Ph.D.,
Assistant Professor & Head
Department of Chemistry
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001.



PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District



NALLAMUTHU GOUNDER MAHALINGAM COLLEGE



Pollachi

2.6.1 PROGRAMME OUTCOMES AND COURSE OUTCOME COMMUNICATED TO STUDENTS

Programme Outcome and Course outcome of the Programme Department of Social Work is informed to students on the first day 07.08.2023 of the academic year 2023-2024 For the semester I Class I M.S.W

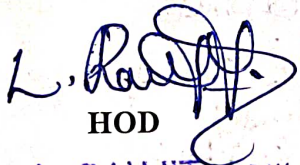
S.No	Register Number	Name of the Student	Signature of the Student
1.	23-PW-01	Abilesh . A	
2.	23 - PW-02	Arunkumar . R	
3.	23-PW-03	Harikumar . A	
4.	23-PW-05	Sotheraj . R	
5.	23-PW-06	Loganath . T	
6.	23-PW-07	Harimutthu . B	
7.	23 - PW-08	Navaneetha Krishnan . R	
8.	23-PW-09	Pavithra Priyadarshan . A	
9.	23-PW-12	Ram kumar . S	
10.	23-PW-13	Sandosh . P	
11.	23-PW-14	Saravananakumar . S	
12.	23-PW-15	Yasari Arafath . M	
13.	23-PW-16	Dharanipriya . D	
14.	23-PW-17	Dhayanidhi . R	
15.	23-PW-18	Durga . B	
16.	23-PW-19	Durga Devi	
17.	23-PW-20	Fahmisha Berni	
18.	23-PW-21	Lisna Siby	
19.	23-PW-22	Madhusree . R	
20.	23-PW-23	Malavizhi . M	
21.	23-PW-24	Muthumani . M	
22.	23-PW-25	Manisha . M	
23.	23-PW-26	Pavithra . S	
24.	23-PW-27	Srideepa . A	
25.	23-PW-28	Srinithi . N	

23-PW-29.

Ponmathi . S .

Counter Signature

S.No	Course Code	Course Name	Course in Charge/Staff Name	Signature
1	23PSW205 23-PW-29	Penmanship and Social group work	Ms. M. Kavya	M. Kavya
2	23PSW206	Community organization	Mr. A. Mahesh Kumar	A. Mahesh Kumar
3	23PSW207	Social work Research and statistics	Dr. L. Ranjit	Dr. L. Ranjit
4	23PSW2A1	Labour welfare and labour legislation	Ms. B. V. Nithi Vanshini Devi	B. V. Nithi Vanshini Devi
5	23PSW2B1	Medical social work	Ms. T. Sivarajane	T. Sivarajane
6	23PSW2C1	Rural community development	S. Vignesh Kumar	S. Vignesh Kumar


HOD

Dr. L. RANJIT, M.S.W., Ph.D.,
Assistant Professor & Head
Department of Social Work
NGM College, Pollachi.


PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District



NALLAMUTHU GOUNDER MAHALINGAM COLLEGE



Pollachi

2.6.1 PROGRAMME OUTCOMES AND COURSE OUTCOME

COMMUNICATED TO STUDENTS

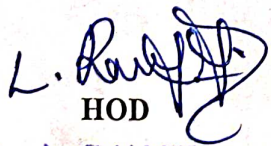
Programme Outcome and Course outcome of the Programme Department of Social Work is informed to students on the first day 26.06.2023 of the academic year 2023-2024 For the semester III Class II M.S.W

S.No	Register Number	Name of the Student	Signature of the Student
1.	22-PW-02	Dinesh Kumar . T	Dinesh
2.	22-PW-05	Growtham . K.	Growtham
3.	22-PW-06	Jeswin Joshua . A.	Jeswin
4.	22-PW-07	Madhumohan . A.	A. Madhu
5.	22-PW-08	Manoj Kumar . R.	R. Manoj
6.	22-PW-09	Mohamed Azeesh . T	T. Azeesh
7.	22-PW-10	Mohan Prasath . A.	A. Mohan
8.	22-PW-12	Muthukaliyappan . K.	K. Muthukali
9.	22-PW-13	N Pthush . V	V. N Pthush
10.	22-PW-15	Ranjith Kumar . K	K. Ranjith
11.	22-PW-18	Senthil Kumar . M	M. Senthil
12.	22-PW-19	Siva Bharathi . K	K. Siva
13.	22-PW-21	Sriolhar . P	P. Sriolhar
14.	22-PW-22	Srikanth . G	G. Srikanth
15.	22-PW-24	Vasudevan . M.	M. Vasudevan
16.	22-PW-25	Vignesh . M	M. Vignesh
17.	22-PW-26	Akilandeeswari . A.	A. Akilandeeswari
18.	22-PW-27	Dharkhini . B.	B. Dharkhini
19.	22-PW-28	Kamathi Dharkhini . S	S. Kamathi Dharkhini
20.	22-PW-29	Karthika . S	S. Karthika
21.	22-PW-30	Keerthana . M	M. Keerthana
22.	22-PW-31	Narmatha . K.	K. Narmatha
23.	22-PW-32	Nihala Sherin . M	M. Nihala Sherin
24.	22-PW-33	Pritya Dharkhini . K	K. Pritya Dharkhini
25.	22-PW-34	Ramana . M	M. Ramana
26.	22-PW-35	Sakthi . V	V. Sakthi
27.	22-PW-36	Sivaranjani . C	C. Sivaranjani
28.	22-PW-37	Sneha . B	B. Sneha
29.	22-PW-38	Soundharya . S	S. Soundharya
30.	22-PW-39	Vaishnavi . M	M. Vaishnavi

31.	22-PW-40	Vignakala.T	OK 12
32.	22-PW-41	Vinothini.T	Vinothini
33.	22-PW-42	Vishnu Pella. S	S. Vishnu
34.	22-PW-46	Gowtham.T	T. Gowtham
35.			

Counter Signature

S.No	Course Code	Course Name	Course in Charge/Staff Name	Signature
1	22PSW410	Counseling theory & practices	Ms. M. Kalya	M. Kalya
2	22PSW41A4	Human Resource Development	Ms. B. V. Anitha wadhini Devi	B. V. Nitha
3	22PSW4B4	Mental Health	Ms. T. Sivaramjane	T. Sivaramjane
4	22PSW4C4	Urban Community Development	Mr. S. Vignesh Kumar	S. Vignesh Kumar
5	22PSW4AS	Organizational behavior	Dr. L. Ranjit	L. Ranjit
6	22PSW4BS	Community health	Ms. T. Sivaramjane	T. Sivaramjane
7	22PSW4CS	Management of NCD.	Mr. S. Vignesh Kumar	S. Vignesh Kumar


HOD

Dr. L. RANJIT, M.S.W., Ph.D.,
Assistant Professor & Head
Department of Social Work
NGM College, Pollachi.



PRINCIPAL
Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

DEPARTMENT OF HISTORY
PROGRAMME: BA HISTORY

VISION

Our dream is to make the college an institution of excellence at the national level by imparting quality education of global standards to make students academically superior, socially committed, ethically strong, spiritually evolved and culturally rich citizens to contribute to the holistic development of the self and society.

MISSION

Training students to become role models in academic arena by strengthening infrastructure, upgrading curriculum, developing faculty, augmenting extension services and imparting quality education through an enlightened management and committed faculty who ensure knowledge transfer, instill research aptitude and infuse ethical and cultural values to transform students into disciplined citizens in order to improve quality of life.

DEPARTMENT OF HISTORY

Name of Association - **HISTORIA**

Motto of HISTORIA - **Empowering the Youth to Enrich the Nation**

Name of Outreach Forum- **REACH** (Rural Education and Cultural Heritage)

Motto of REACH - **Reach the Unreached**

VISION

“Our goal is to imbibe the intellectual curiosity among the students, create a quest for knowledge and the ability to translate their knowledge for their own potential to form into a morally upright, spiritually enlightened and a holistic personality.

MISSION

The teaching of History aims to:

- By Training the students to think globally and historically
- To apply historical method of enquiry to the contemporary problems
- To understand and interpret the past

So that they may be more conscious of national needs committed to

- Social values
- Moral values
- Spiritual values
- National integration
- Universal brotherhood


Dr. R. MUTTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

For 
Mr. G. RAMANATHAN M.A., M.Phil., SET, NET
Assistant Professor
Department of History
N.G.M. College (Autonomous)
Pollachi - 642 001.

Program Educational Objectives:

PEO1	Critical Thinking: To instill the ability of critical thinking ensuring to analyze the distinctive sense of belongingness and through which promotes communal harmony, patriotism and National integration
PEO2	Awareness about Duties: Creating awareness on moral, social and spiritual values for the holistic development
PEO3	General Knowledge: Enriching the Domain knowledge of the students appear for competitive examinations such as Tamilnadu Public Service Commission examinations and Union Public Service Commission Examinations
PEO4	Awareness about National Culture and Heritage: Developing the responsibility to preserve ancient cultural heritage as a pride of Mother India
PEO5	Inter-Disciplinary Exposure: Enhancing the multiple skills of the students to compete at the Global Standard

Program Outcomes:

PO1	Life Long Learning: Knowledge of our History and Heritage through which significant developments in the history of the Indian Subcontinent from earliest times up to the period after independence and recent past.
PO2	Integrated Value System: Familiarity with the History and the process of development in other parts of the world as well as certain other societies, during the same era.
PO3	Communicative and writing skills: Ability to carefully read a complex historical narrative evaluates its deployment of evidence and understands its argument as well as critically analysis the same.
PO4	Problem Solving: Ability to identify the patterns of change and continuity with regards to issues of contemporary significances over long duration as well as diverse Geo- Cultural zones.

For
Mr. G. RAMANATHAN M.A., M.Phil., SET, NET
Assistant Professor
Department of History
N.G.M. College (Autonomous)
Pollachi - 642 001.

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

PO5	Individual and team work: Function effectively as member or leaders in diverse teams and in multi-disciplinary environment.
PO6	Disciplinary Knowledge development: Apply possessed knowledge of fundamentals in history to solve social problems.
PO7	National Constitution, Culture and Heritage: Respect for national ethos, human values and ideals and constitutional values.
PO8	Ethics: Develop respect for our heritage and culture and understand the strength of diversity of our country.

Program Specific Outcomes:

PSO -01	Education and Employment: To qualify the students to know the values of History and to have an edge to Compete globally.
PSO -02	Life long Learning: To derive inspiration for the present and guidance for the future.

Mapping

PEO s POs/ PSOs	PEO1	PEO2	PEO3	PEO4	PEO5
PO1	H	H	H	M	M
PO2	M	M	M	H	H
PO3	M	M	M	H	L
PO4	H	H	M	M	H
PO5	H	H	H	H	M
PO6	H	H	H	M	M
PO7	M	M	M	H	H
PO8	M	M	M	H	L
PSO1	H	H	M	M	H
PSO2	H	H	H	H	M

H-High; M-Medium; L- Low

For 
Mr. G. RAMANATHAN M.A., M.Phil., SET, NET
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.


Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

Programme Code:	B.A. History	Programme Title:		Bachelor of Arts	
Course Code:	23UHY101	Title		Batch:	2023-26
		History of India upto 647 A.D		Semester:	I
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	-	Credit	4

Course Objective

To know the political and social history of India and learn the quality of Sympathetic imagination and an Eagerness to enter into a different atmosphere of a bygone era

Course Outcomes

On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To remember the Salient Features of Indus Valley Civilization	K1
CO2	To understand the Historical Invasion of Alexander	K2
CO3	To analyze the empire of Kanishka	K4
CO4	To recollect the Society and Culture Of Guptas and Satavahanas	K2
CO5	To evaluate the administration of rulers	K5

Mapping with Programme Outcomes

PO / PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CO										
CO1	H	H	H	H	M	H	H	H	H	H
CO2	H	H	L	H	H	H	H	H	H	H
CO3	H	M	H	H	H	M	H	H	H	M
CO4	H	H	H	M	H	M	M	M	H	H
CO5	H	H	H	H	M	M	M	M	H	H

H-High; M-Medium; L-Low

for 
Mr. G. RAMANATHAN M.A., M.Phil., SET, NET
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.


Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

Programme Code:	B.A. History	Programme Title:		Bachelor of Arts	
Course Code:	23UHY102	Title		Batch:	2023-26
		History of Tamil Nadu upto 1565 A.D		Semester:	I
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	-	Credit	4

Course Objective

This course presents the essential events & Political and cultural history of Tamil Nadu from the beginning to 1565 A.D. and to emphasize the social and economic conditions of Tamil Nadu

Course Outcomes

On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To Analyze the Geography Tamil country and about Sangam Age	K4
CO2	To Illustrate about the Pallavas and Bakthi Movement	K2
CO3	To Evaluate the Empire and Art of Cholas	K5
CO4	To know about Second Pandya Empire and the Establishment of Madurai Sultanate	K4
CO5	To know about the Vijayanagar rule in Tamilnadu	K2

Mapping with Programme Outcomes

PO /PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CO1	H	H	H	H	M	H	H	H	H	H
CO2	H	H	L	H	H	H	H	H	H	H
CO3	H	M	H	H	H	M	H	H	H	M
CO4	H	H	H	M	H	M	M	M	H	H
CO5	H	H	H	H	M	M	M	M	H	H

H-High; M-Medium; L-Low

Mr. G. RAMAKRISHNAN M.A., M.Phil., SET, NET
Assistant Professor
Department of History
N.G.M. College (Autonomous)
Pollachi - 642 001.

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme Code:	B.A. History	Programme Title:		Bachelor of Arts	
Course Code:	23UHY1A1	Title:		Batch:	2023 -26
		Panchayat Raj in India		Semester:	I
Lecture Hrs./Week	5	Tutorial Hrs./Sem.	-	Credits:	4

Course Objective:

To study the evolution of Panchayat in India, make the students to understand the Panchayat raj system in Tamilnadu, motivate the students to learn the Panchayat administration.

Course Outcome

On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To Examine the basic concepts of Panchayat Raj	K4
CO2	To Interpret the Panchayat Raj	K5
CO3	To Illustrate the movements –Committees	K4
CO4	To understand the role of Panchayat Administration	K2
CO5	To Summarize the importance of the System	K2&K5

Mapping with Programme Outcomes

PO /PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CO1	H	H	H	H	M	H	H	H	H	H
CO2	M	H	M	H	H	H	H	H	H	H
CO3	H	M	H	L	L	M	H	H	H	M
CO4	M	H	L	M	H	M	M	M	H	H
CO5	H	H	H	H	M	M	M	M	H	H

H-High; M-Medium; L-Low

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Mr. C. RAMANATHAN M.A.,M.Phil.,SET NET
Assistant Professor
Department of History
N.G.M. College (Autonomous)
Pollachi - 642 001.

Dr. R. MUTHUKUMARAN,
M.A.,M.Phil.,B.Ed.,Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts		
Course Code:	23EVS201	Title	Batch:	2023 -26	
		Environmental Studies	Semester:	I & II	
Lecture Hrs./Week	1	Tutorial Hrs./Sem.	-	Credits:	2

Course Objective

To know the basic concepts of Environment, environmental legislations and conservation of biodiversity

Course Outcomes

On successful completion of the course the students will be able

CO Number	CO Statement	Knowledge Level
CO1	Create an awareness about the Environment	K1
CO2	Get the idea on Environment conservation and management.	K2
CO3	Execute the pollution free environment and value of natural resources	K3
CO4	Evaluate the value of environment and social issues	K4
CO5	Acquire knowledge about biodiversity, human population and environment	K5

Mapping with Programme Outcomes

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CO										
CO1	H	H	H	H	M	H	H	H	H	H
CO2	H	H	L	H	H	H	H	H	H	H
CO3	H	M	H	H	H	M	H	H	H	M
CO4	H	H	H	M	H	M	M	M	H	H
CO5	H	H	H	V	M	M	M	M	H	H

H-High; M-Medium; L-Low

Mr.  RAMANATHAN M.A., M.Phil., SET. NET
Assistant Professor
Department of History
N.G.M. College (Autonomous)
Pollachi - 642 001.


Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	23UHY203	Title	Batch:	2023 -26
		History of India From 647 .A.D to 1526 A.D	Semester:	II
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	-	Credits: 4

Course Objective

To provide the background for understanding about the enrichment of Indian Spirit through the ages and to make them imbibe the value of heroic qualities, selfless services and marvelous leadership

Course Outcomes

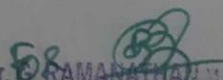
On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To recall the origin of Rajput and Muslim Invasions in India.	K1
CO2	To evaluate the Political and administrative system of the Delhi Sultanate.	K5
CO3	To point out the Socio and Economic reforms of Khilji Dynasty.	K4
CO4	To identify the richness of the Medieval Indian Art and Architecture.	K3
CO5	To Summarize the cultural contribution of the Vijayanagar Empire.	K2

Mapping with Programme Outcomes

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CO										
CO1	H	H	H	H	M	H	H	H	H	H
CO2	H	H	L	H	H	H	H	H	H	H
CO3	H	M	H	H	H	M	H	H	H	M
CO4	H	H	H	M	H	M	M	M	H	H
CO5	H	H	H	H	M	M	M	M	H	H

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Mr. R. K. RAMAKRISHNAN M.A., M.Phil., SET NET
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.


Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	23UHY204	Title	Batch:	2023 -26
		History of Tamilnadu from 1565 A.D. to 2000 A.D	Semester:	II
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	-	Credits: 4

Course Objective

This paper deals with the political and social aspects of History of Tamil Nadu and to create keen interest on the study of Regional history.

Course Outcomes

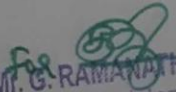
On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To know about the Nayaks of Madurai, Tanjore and Senji	K1
CO2	To Illustrate about the Pallavas and Bakthi Movement	K2
CO3	To Evaluate the Empire and Art of Cholas	K4
CO4	To examine about Second Pandya Empire and the Establishment of Madurai Sultanate	K4
CO5	To evaluate the role Chief Ministers of Tamilnadu for the development	K5

Mapping with Programme Outcomes

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CO										
CO1	H	H	H	H	M	H	H	H	H	H
CO2	H	H	L	H	H	H	H	H	H	H
CO3	H	M	H	H	H	M	H	H	H	M
CO4	H	H	H	M	H	M	M	M	H	H
CO5	H	H	H	H	M	M	M	M	H	H

H-High; M-Medium; L-Low


Mr. G. RAMANATHAN M.A., M.Phil., SET NET
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.


Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	23UHY2A2	Title	Batch:	2023 -26
		Indian Administration	Semester:	II
Lecture Hrs./Week	5	Tutorial Hrs./Sem.	-	Credits: 4

Course Objective

To understand and appreciate Indian administration properly and to know the administrative services from the British rule to independent India

Course Outcomes

On successful completion of the course the students will be able

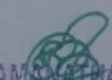
CO Number	CO Statement	Knowledge Level
CO1	To evaluate the administrative services from the British rule to independent India	K5
CO2	To recall the salient features of the Indian Constitution	K1
CO3	To examine the powers and functions of the Union Executives	K4
CO4	To point out the process of law making	K5
CO5	To summarize the functioning of the Indian Judiciary	K5

Mapping with Programme Outcomes

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CO										
CO1	H	H	H	H	L	H	H	H	H	H
CO2	H	M	L	H	H	H	H	H	H	M
CO3	M	M	H	L	L	M	H	H	M	M
CO4	H	H	H	M	H	M	M	M	H	H
CO5	H	H	H	H	L	M	M	M	H	H

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For

Mr. G. RAMAKRISHNAN M.A., M.Phil., SET, NET
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.

Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE
DEPARTMENT OF HISTORY-2023

S.no	REG.NO	NAME OF THE STUDENT	SIGNATURE
1	23-HT-01	A.AARIYAN	A. Aariyan
2	23-HT-02	K.BALAMURUGAN	K. Balamurugan
3	23-HT-03	N.BHASKAR	N. Bhaskar
4	23-HT-04	S.DHANUSH	S. Dhannush
5	23-HT-05	R.GOWTHAM	R. Gowtham
6	23-HT-06	C.KAVIYARASAN	C. Kaviyarasan
7	23-HT-07	V.KUMARESAN	V. Kumaresan
8	23-HT-08	K.MANIKANDAN	K. Manikandan
9	23-HT-09	T.MANIKANDAN	T. Manikandan
10	23-HT-10	M.MATHANKUMAR	M. Mathankumar
11	23-HT-11	S.M.MATHIYALAGAN	S. M. Mathiyalagan
12	23-HT-12	N.MOHAMMED ASARDEEN	N. Mohammed Asardeen
13	23-HT-13	T.MUTHUKRISHNAN	T. Muthukrishnan
14	23-HT-14	S.PRAVEEN	S. Praveen
15	23-HT-15	T.RAJKUMAR	T. Rajkumar
16	23-HT-16	R.SABARIESWARAN	R. Sabarieswaran
17	23-HT-17	S SASISUMITH	S. Sasisumith
18	23-HT-18	M.SIVASAKTHI	M. Sivasakthi
19	23-HT-19	S.SURYA	S. Surya
20	23-HT-20	N.TAMIZHARASAN	N. Tamizharasan
21	23-HT-21	A.THOUFEEK	A. Thoufeek
22	23-HT-22	A.ABINAYA	A. Abinaya
23	23-HT-23	S.BHARATHI	S. Bharathi
24	23-HT-24	R.CHITRAKALA	R. Chitrakala
25	23-HT-25	K.ELLAKKIYA	K. Ellakkiya
26	23-HT-26	S.GOKILAVANI	S. Gokilavani
27	23-HT-27	E.ISMATH	E. Ismath
28	23-HT-28	S.JINCY	S. Jincy
29	23-HT-29	K.KAVYA	K. Kavya
30	23-HT-31	A.KOSALLAKSHMI	A. Kosallakshmi
31	23-HT-32	D.KOWSALYA	D. Kowsalya
32	23-HT-33	R.SAMYUKTHA	R. Samyuktha
33	23-HT-34	S.SHALINI	S. Shalini
34	23-HT-35	R.SRIVANI	R. Srivani
35	23-HT-36	S.SUBHASHNI	S. Subhashni
36	23-HT-37	A.MUMTHAJ	A. Mumthaj
37	23-HT-38	P.SANGALI DURAI	P. Sangali Durai

Mr. G. RAMANATHAN M.A., M.Phil., SET NET
Assistant Professor
Department of History
N.G.M. College (Autonomous)
Pollachi - 642 001.

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	22UHY305	Title	Batch:	2022 -25
		History of India from 1526 A.D. to 1707 A.D.	Semester:	III
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	Credits:	4

Course Objective:

To highlight the significant phases of the Mughal India and to derive inspiration for the present and guidance for the future

Course Outcome:

On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To Examine the social structure, administration and concepts of co-existence among the Mughal rulers such as Babur, Humayun etc	K4
CO2	To Discuss the consolidation of empire under Akbar, his secular policy for the universal brotherhood	K4
CO3	To Illustrate the development of art and architecture under Shah Jahan and downfall of the Mughal empire	K4
CO4	To Interpret the Art and Architecture of Mughals and Downfall of the Mughals	K5
CO5	To Summarize the Deccan policy of Mughal rulers	K5

Mapping with Programme Outcomes

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CO										
CO1	H	H	H	H	M	H	H	H	H	H
CO2	H	H	L	H	H	H	H	H	H	M
CO3	H	M	H	H	H	M	H	H	M	M
CO4	H	H	H	M	H	M	M	M	H	H
CO5	H	H	H	H	M	M	M	M	H	H

H-High; M-Medium; L-Low


Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District


Mr. G. RAMAKRISHNAN M.A., M.Phil., SET NET
Assistant Professor
Department of History
N.G.M. College (Autonomous)
Pollachi - 642 001.

Programme Code:	B.A. History	Programme Title:		Bachelor of Arts	
Course Code:	22UHY306	Title		Batch:	2022-25
		World History - I		Semester:	III
Lecture Hrs./Week	5	Tutorial Hrs./Sem.	-	Credit	4

Course Objective

To enable the students to know about the happenings around the world

Course Outcomes

On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To examine about the French Revolution	K4
CO2	To Illustrate about the rise of Germany and First World War	K2
CO3	To understand about the American War of Independence	K3
CO4	To know about Manchu Rule in China	K2
CO5	To know the evolutions around the World	K2

Mapping with Programme Outcomes

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CO										
CO1	H	H	H	H	M	H	H	H	H	H
CO2	H	H	L	H	H	H	H	H	H	M
CO3	H	M	S	H	H	M	H	H	M	M
CO4	H	H	L	M	H	M	M	M	H	H
CO5	H	H	H	H	M	M	M	M	H	H

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For
Mr. G. RAMANARAJU M.A., M.Phil., SET NET
Assistant Professor
Department of History
N.G.M. College (Autonomous)
Pollachi - 642 001.

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	22UHY3A3	Title	Batch:	2022-25
		Indian Constitution	Semester:	III
Lecture Hrs./Week	5	Tutorial Hrs./Sem.	-	Credits: 4

Course Objective

To create an awareness about the importance of the Constitution of India and to know about the working of the constitution and its features such as Fundamental Rights, Fundamental Duties, Secularism, DPSP etc.

Course Outcomes

On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To know the evolution of Indian Constitution	K1
CO2	To illustrate the Fundamental Rights and Fundamental Duties of Indian Constitution	K2
CO3	To interpret about the President, Vice President and their Powers	K2
CO4	To describe about the State Administration	K4
CO5	To illuminate the functions of election commission and Judiciary	K5

Mapping with Programme Outcomes

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CO										
CO1	H	H	H	H	M	H	H	H	H	H
CO2	H	H	L	H	H	H	H	H	H	H
CO3	H	M	H	H	H	M	H	H	H	M
CO4	H	H	H	M	H	M	M	M	L	H
CO5	H	H	H	H	M	M	M	M	H	L

H-High; M-Medium; L-Low

Dr. R. MUTHUKUMARAN,

M.A., M.Phil., B.Ed., Ph.D.,

PRINCIPAL

N.G.M. College, Pollachi - 642 001

Coimbatore District

Mr. G. RAMAKRISHNAN

Assistant Professor

Department of History

N.G.M. College (Autonomous)

Pollachi - 642 001.

Programme Code:	B.A. History	Programme Title:		Bachelor of Arts	
Course Code:	22UHY3N2	Title		Batch:	2022 -25
		History of Education in India		Semester:	III
Lecture Hrs./Week	1	Tutorial Hrs./Sem.	-	Credits:	2

Course Objective

To make them learn about the progress of education in India.

Course Outcomes

On successful completion of the course the students will be able

CO Number	CO Statement	Knowledge Level
CO1	To Explore the origin of Education in ancient India.	K1
CO2	To Discuss the development of education during Medieval age and introduction of Western Education.	K2
CO3	To Analyse the role played by British government in the promoting education in India.	K3
CO4	To Appraise on the role of various Educational commissions.	K3
CO5	To Explain the important of Sarva Shiksha Abhiyan and different schemes under Government of India.	K3

Mapping with Programme Outcomes

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CO										
CO1	H	L	H	H	M	H	L	H	H	H
CO2	M	H	L	M	H	M	H	L	H	H
CO3	H	L	H	H	H	H	L	H	H	M
CO4	M	H	L	M	M	M	H	L	H	H
CO5	H	L	H	H	M	H	L	H	H	H

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Mr. G. RAMAKRISHNAN M.A., M.Phil., SET NET
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.


Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	22UHY3N1	Title	Batch:	2022 -25
		National Movement	Semester:	III
Lecture Hrs./Week	1	Tutorial Hrs./Sem.	-	Credits: 2

Course Objective

To enable the students to know about the struggle for our freedom rights

Course Outcomes

On successful completion of the course the students will be able

CO Number	CO Statement	Knowledge Level
CO1	To Examine the Rise of Nationalism	K1
CO2	To know about Extremists and Moderates	K2
CO3	To Examine the Home Rule League	K4
CO4	To Illustrate the Non- Co-Operation Movement, Civil Disobedience, Salt Law and Dandi March	K2
CO5	To know the importance of Indian Independence Act	K5

Mapping with Programme Outcomes

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CO										
CO1	H	H	H	L	M	H	H	H	H	H
CO2	H	H	L	H	H	H	H	H	H	H
CO3	H	M	M	M	H	M	H	H	H	M
CO4	H	H	H	M	L	M	M	M	H	H
CO5	H	H	H	L	M	M	M	M	H	L

H-High; M-Medium; L-Low



For
Mr. G. RAMANATHAN M.A., M.Phil., SET, NET
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.

Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	22UHY408	Title	Batch:	2022 -25
		World History - II	Semester:	IV
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	-	Credits: 4

Course Objective

To enable the students to know the happenings in the world

Course Outcomes

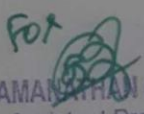
On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To analyze the Rise of Germany	K1
CO2	To know about U.N.O. and Cold War	K2
CO3	To know about Woodrow Wilson, F.D. Roosevelt, Kennedy and Nixon.	K2
CO4	To illustrate Economic Growth Of China and Growth of Japan	K2
CO5	To know the development of world after the world wars	K5

Mapping with Programme Outcomes

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CO										
CO1	H	H	H	H	M	H	H	M	H	H
CO2	H	H	L	L	H	L	L	H	H	H
CO3	H	M	H	H	H	H	H	H	H	M
CO4	H	H	H	M	L	H	M	L	H	H
CO5	H	H	H	H	M	H	H	M	H	H

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For

Mr. G. RAMANATHAN M.A., M.Phil., SET, NET
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.


Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	22UHY4A4	Title	Batch:	2022 -25
		Journalism	Semester:	IV
Lecture Hrs./Week	5	Tutorial Hrs./Sem.	-	Credits: 3

Course Objective

To enable the students to know the application method of Print media

Course Outcomes

On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To know about the Definition and Scope of journalism	K1
CO2	To understand the role of Reporters and Editors	K2
CO3	To know about the types of leads and articles	K3
CO4	To examine the features of writing	K4
CO5	To know about the skills of interviewing and Techniques of Advertisements	K5

Mapping with Programme Outcomes

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CO										
CO1	H	L	H	H	M	H	H	M	H	L
CO2	H	H	L	M	H	L	L	H	H	H
CO3	H	M	H	H	M	H	H	H	H	M
CO4	M	H	L	M	H	H	M	L	M	H
CO5	H	L	H	H	M	H	H	M	H	L

H-High; M-Medium; L-Low

For
Mr. G. RAMANATHAN M.A., M.Phil., SET, NET
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.

Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	22UHY4N3	Title	Batch:	2022 -25
		Gandhian Thoughts	Semester:	IV
Lecture Hrs./Week	1	Tutorial Hrs./Sem.	-	Credits: 1

Course Objective

To introduce the life and message of Mahatma Gandhi to the students and to imbibe the Gandhian Values among the students

Course Outcomes

On successful completion of the course the students will be able

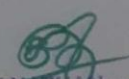
CO Number	CO Statement	Knowledge Level
CO1	To know about the early life of Mahatma Gandhi	K1
CO2	To Illustrate about Non Violence and its Types	K2
CO3	To interpret the Philosophy of Sarvodaya	K3
CO4	To examine about Gandhiji's Village Upliftment	K4
CO5	To know the peace movements	K5

Mapping with Programme Outcomes

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CO										
CO1	M	H	H	H	M	M	H	H	H	H
CO2	H	H	L	L	H	H	H	L	H	H
CO3	L	M	H	H	L	L	M	H	H	M
CO4	H	L	M	L	H	H	L	M	L	H
CO5	M	H	H	H	M	M	H	H	H	H

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For 
Mr. G. RAMANATHAN M.A., M.Phil., SET NET
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.

Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE
DEPARTMENT OF HISTORY

S.No.	Reg.No	Stuedent Name	Signature
1	22-HT-01	BAGAVATHI	B. Bagavathi
2	22-HT-03	GOKUL	G. Gokul
3	22-HT-04	GOKULAKRISHNAN	G. Gokulakrishnan
4	22-HT-05	GOWTHAM	G. Gowtham
5	22-HT-07	KARTHICK	K. Karthick
6	22-HT-08	KATHIRVEL	K. Kathirvel
7	22-HT-10	MANOJKUMAR	M. Manoj Kumar
8	22-HT-11	MATHANKUMAR	M. Mathankumar
9	22-HT-12	MOHAMMED ANAS	M. Anas
10	22-HT-13	MOHAMED ASWATH	M. Aswath
11	22-HT-14	MOHAMMED THARIQ	M. Mohammed Thariq
12	22-HT-15	PATTATHARASAN	M. Pattatharasan
13	22-HT-16	PRANAV	M. Pranav
14	22-HT-17	PRAVEEN KUMAR	P. Praveen Kumar
15	22-HT-19	PRITHVIRAJ	P. Prithviraj
16	22-HT-20	RAMAKRISHNAN	R. Ramakrishnan
17	22-HT-22	SANTHOSH ESWARAN	S. Santhosh Eswaran
18	22-HT-23	SHARUHASAN	N. Sharuhasan
19	22-HT-24	SIVAKUMAR	S. Sivakumar
20	22-HT-26	SURESH	R. Suresh
21	22-HT-29	VIJAY	V. Vijay
22	22-HT-32	YOKESHWARAN	P. Yokeswaran
23	22-HT-34	BOOMIKA	S. Boomika
24	22-HT-35	FLORA JENCY	J. Jency
25	22-HT-36	JENIFER	J. Jenifer
26	22-HT-37	KALPHANA	K. Kalphana
27	22-HT-38	KAVITHA	K. Kavitha
28	22-HT-39	KAYALVIZHI	K. Kayalvizhi
29	22-HT-40	MAHALAKSHMI	C. Mahalakshmi
30	22-HT-41	MALIGA SHREE	M. Maliga Shree
31	22-HT-43	MOUNITHA	M. Mounitha
32	22-HT-44	MUTHULAKSHMI	M. Muthulakshmi
33	22-HT-45	NAGAJOTHI	P. Nagajothi
34	22-HT-46	PATHIMA	P. Pathima
35	22-HT-47	PAVITHRA	P. Pavithra

Mr. G. RAMANATHAN, M.A., M.Phil., B.Ed., Ph.D.
Assistant Professor
Department of History
N.G.M. College (Autonomous)
Pollachi - 642 001.

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

36	22-HT-48	POORNIMA	<i>P. Poornima</i>
37	22-HT-49	RATHISRI	<i>Rathisri</i>
38	22-HT-50	SANDHIYA	<i>D. Sandhiya</i>
39	22-HT-51	SAYAKUMARI	<i>M. Sayakumari</i>
40	22-HT-52	SINDHUJA	<i>S. Sindhuja</i>
41	22-HT-53	SOWNDARYA LOGANATHAN	<i>S. Sowndarya Loganathan</i>
42	22-HT-55	TAMILSELVI	<i>K. Tamilselvi</i>
43	22-HT-56	VINOTHINI	<i>K. Vinithini</i>
44	22-HT-57	MARIYAPPAN	<i>M. Mariyappan</i>
45	22-HT-58	VISHNUGANTH	<i>P. Vishnuganth</i>
46	22-HT-59	SUBASH	<i>Subash</i>

for *GB*
Mr. G. RAMANATHAN M.A., M.Phil., SET NET
 Assistant Professor
 Department of History
 V.C.M. College (Autonomous)
 Pollachi - 642 001.
 Pollachi - 642 001.

for
Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 V.C.M. College, Pollachi - 642 001
 Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	21UHY509	Title	Batch:	2021 -2024
		Introduction to Historiography	Semester:	V
Lecture Hrs./Week	5	Tutorial Hrs./Sem.	Credits:	5

Course Objective

To enable the students to obtain historical knowledge about the study of History and to know the concepts, theories, methods of writing thesis

Course Outcomes

On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To understand the meaning and scope of History and Historiography	K2
CO2	To learn the different trends in historical writing	K2
CO3	To know the importance of philosophy of history	K5
CO4	To illustrate the components of research methodology	K2
CO5	To understand about the Historians, and their approaches in their writing	K2

Mapping with Programme Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	H	H	H	H	M	H	H
CO2	H	H	L	H	H	H	H
CO3	H	M	H	H	H	H	M
CO4	H	H	H	M	H	H	H
CO5	H	H	H	H	M	H	H

H-High; M-Medium; L-Low



for 
M. C. RAMAKRISHNAN, M.A., M.Phil., B.Ed., Ph.D.,
Assistant Professor
Department of History
N.G.M. College (Autonomous)
Pollachi - 642 001.

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	21UHY5E11	Title	Batch:	2021 -2024
		Indian Cultural Heritage Perspectives For Tourism	Semester:	V
Lecture Hrs./Week	5	Tutorial Hrs./Sem.	-	Credits: 4

Course Objective

To enable the students to know about the cultural heritage of our country

Course Outcomes

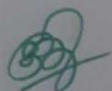
On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To examine about the Art and Architecture of Maurya, Gupta and Kushan	K1
CO2	To Illustrate about Pallavas, Cholas and Pandyas	K2
CO3	To know about the Chalukyas, Hoysalas and Vijaya Nagar Empire	K3
CO4	To understand about Mughals and Indo Sarsanic	K2
CO5	To know the humility and respect are highly esteemed in Indian Culture	K5

Mapping with Programme Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	H	H	H	H	M	H	H
CO2	H	H	L	H	H	H	H
CO3	H	M	H	H	H	H	M
CO4	H	H	H	M	H	H	H
CO5	H	H	H	H	M	H	H

H-High; M-Medium; L-Low


Mr. G. RAMANATHAN M.A., M.Phil., SET, NET
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.


Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	21UHY5E12	Title	Batch:	2021 -2024
		Introduction to Tourism	Semester:	V
Lecture Hrs./Week	5	Tutorial Hrs./Sem.	Credits:	4

Course Objective

To enable the students to know importance of Tourism Industry in modern world

Course Outcomes

On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To remember the basic concepts and the need of Tourism Industry	K1
CO2	To understand the basic components of tourism and its significance	K2
CO3	To analyze the role of Hotel Industry and Transport in tourism development	K4
CO4	To analyze the role of travel Agency in promoting tourism	K4
CO5	To evaluate the various promotion techniques and analyze the challenges in tourism industry	K5

Mapping with Programme Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	L	H	M	L	H	H	H
CO2	H	H	M	L	H	H	H
CO3	H	H	M	L	M	H	M
CO4	H	H	M	L	H	H	H
CO5	H	H	M	H	L	H	H

H-High; M-Medium; L-Low

For

Mr. G. RAMANATHAN M.A., M.Phil., SET NET
Assistant Professor
Department of History
N.G.M. College (Autonomous)
Pollachi - 642 001.

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	21UHY5E13	Title	Batch:	2021 -2024
		Tourism and Travel Management	Semester:	V
Lecture Hrs./Week	5	Tutorial Hrs./Sem.	Credits:	4

Course Objective

This course presents the growth and structure of Tourism in India and to make the students to understand the importance of travel management, National and International Organization.

Course Outcomes

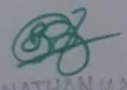
On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To describe the growth of tourism in India since Independence	K5
CO2	To analyze the functions of Ministry of Tourism and TTDC	K4
CO3	To evaluate the role of Tourism in South India and Eco Tourism	K5
CO4	To illustrate the various functions of travel agencies and other tourism organizations	K2
CO5	To analyse the importance of world tourism organizations	K4

Mapping with Programme Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	L	H	M	L	H	H	H
CO2	H	L	M	L	H	L	H
CO3	L	H	M	L	M	L	M
CO4	H	L	M	L	H	H	L
CO5	H	H	M	H	L	H	L

H-High; M-Medium; L-Low

for 
Mr. G. RAMANATHAN M.A., M.Phil., B.Ed., Ph.D.
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.


Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	21UHY512	Title	Batch:	2021-24
		Windows Based Office Automation and Information Security	Semester:	V
Lecture Hrs./Week	3	Tutorial Hrs./Sem.	4	4

Course Objective

Windows Based Office Automation and Information Security

Course Outcomes

On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To know about the component of a computer and functions of computer	K1
CO2	To Illustrate about MS Excel	K2
CO3	To examine about the document enhancement and usage of graphics and mails	K4
CO4	To understand about MS Office	K2
CO5	To apply logical skills to programming in a variety of languages	K3

Mapping with Programme Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	H	H	H	H	M	H	H
CO2	H	H	L	H	H	H	H
CO3	H	M	H	H	H	H	M
CO4	H	H	H	M	H	H	H
CO5	H	H	H	H	M	H	H

H-High; M-Medium; L-Low



for 
Mr. G. RAMANATHAN M.A., M.Phil., SET, NET
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001

Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.C.M. College, Pollachi - 642 001
 Coimbatore District

CDC/21 -R 1.2

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	21UHY511	Title	Batch:	2021 -2024
		History of India from 1858 A.D to 1947 A.D	Semester:	V
Lecture Hrs./Week	5	Tutorial Hrs./Sem.	-	Credits: 4

Course Objective

To understand the origin and development of Indian Nationalism and inculcate the knowledge about the values cherished in the freedom movement and to realize the role played by the freedom fighters against the alien rule.

Course Outcomes

On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To know about Queen's proclamation and British Governors	K1
CO2	To illustrate the Indian National Congress and its movements	K2
CO3	To discuss the aspects of Gandhian era	K4
CO4	To describe the incidents leading to Independence	K4
CO5	To evaluate the plans for better India	K5

Mapping

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	H	H	H	H	M	H	H
CO2	H	H	L	H	H	H	H
CO3	H	M	H	H	H	H	M
CO4	H	H	H	M	H	H	H
CO5	H	H	H	H	M	H	H

H-High; M-Medium; L-Low

For 
Mr. G. RAMANATHAN M.A., M.Phil., SET NET
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.


Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	21UHY5E21	Title	Batch:	2021-24
		Archaeology	Semester:	V
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	-	Credit 5

Course Objective

To enable the students to learn the value of antiquities of our Country

Course Outcomes

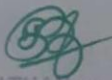
On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To know about the Origin of Man	K1
CO2	To Illustrate about the Methods of Excavation	K2
CO3	To examine about the Harappan culture and Archaeological sites in TamilNadu	K3
CO4	To understand about the Scripts and Inscriptions	K4
CO5	To understand about the Historians and their approaches in their writing	K5

Mapping with Programme Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	H	H	H	H	H	H	H
CO2	H	H	L	M	H	H	M
CO3	H	H	H	H	H	H	H
CO4	H	H	L	M	H	L	H
CO5	H	H	H	H	H	H	H

H-High; M-Medium; L-Low

for 
Mr. G. RAMANATHAN M.A., M.Phil., B.Ed.
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.


Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

CDC/21 -R 1.2

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	21UHY5E22	Title	Batch:	2021-24
		Indian Geography	Semester:	V
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	-	4

Course Objective

To enable the students to know the physical features of India. Be aware of Agriculture, Mineral, Industries and Population aspects in India. Remember the various crops of India understand the individual development of India

Course Outcomes

On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To remember the Geographical setting of our country	K1
CO2	To understand the agricultural and irrigational development in India	K2
CO3	To analyze the various water resources and projects	K4
CO4	To analyse the industrial development of the country	K4
CO5	To evaluate the growth of population and development in Transport and Trade	K5

Mapping with Programme Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	H	H	H	H	M	H	H
CO2	H	H	L	H	H	H	H
CO3	H	M	H	H	H	H	M
CO4	H	H	H	M	H	H	H
CO5	H	H	H	H	M	H	H

H-High; M-Medium; L-Low

for 
Mr. G. RAMANATHAN M.A., M.Phil., SET, NET
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.


Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

CDC/21 -R 1.2

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	21UHY5E23	Title	Batch:	2021-24
		Archives Keeping	Semester:	V
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	Credits	5

Course Objective

To enable the students to learn about the recent developments and organization of archives, know the administrative functions and aspects of archives, study the various uses of archives

Course Outcomes

On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To remember the meaning and characteristics of Archives	K3
CO2	To understand the history, recent developments and the organization of Archives	K2
CO3	To apply the administration of Archives	K3
CO4	To analyze the preservation, rules and regulations of Archives	K4
CO5	To evaluate the uses and important Archives in India	K3, K6

Mapping with Programme Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	H	H	H	H	M	H	H
CO2	H	H	L	H	H	H	H
CO3	H	M	H	H	H	H	M
CO4	H	H	H	M	H	H	H
CO5	H	H	H	H	M	H	H

H-High; M-Medium; L-Low

For 
Mr. G. RAMANATHAN
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.


Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	21UHY6E31	Title	Batch:	2021 -2024
		Hotel Management	Semester:	VI
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	-	Credits: 4

Course Objective

To provide knowledge on vocational education and to empower students with skills to face and tourism Industry and to offer Internship training

Course Outcomes

On successful completion of the course the students will be able

CO Number	CO Statement	Knowledge Level
CO1	To analyze the Nature of Hospitality	K3
CO2	To know about Management Concepts	K2
CO3	To learn about Accounting, Human Resource and Security Division	K3
CO4	To illustrate Food Service Management	K2
CO5	To evaluate the uses and important Hotels	K5

Mapping with Programme Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	H	H	H	H	M	H	H
CO2	H	H	L	H	H	H	H
CO3	H	M	H	H	H	L	M
CO4	H	H	H	M	H	H	H
CO5	H	L	H	H	M	H	H

H-High; M-Medium; L-Low

For 
Mr. G. RAMANATHAN (B.A., B.Ed., NET)
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001


Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	21UHY6E32	Title	Batch:	2021 -2024
		Ethics and Cultural History of Tamilnadu	Semester:	VI
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	-	Credits: 4

Course Objective

To enable the students can acquire knowledge on the origin of Tamil Culture

Course Outcomes

On successful completion of the course the students will be able

CO Number	CO Statement	Knowledge Level
CO1	To remember the various divisions of land, language and culture	K1
CO2	To understand the social system in Tamil culture	K2
CO3	To understand the cultural contributions of Tamil Kings	K2
CO4	To evaluate the administrative system of Tamilnadu	K5
CO5	To analyze the great works of legends of Tamilnadu	K4

Mapping with Programme Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	H	H	H	H	M	H	H
CO2	H	H	L	H	H	H	H
CO3	H	M	H	H	H	L	M
CO4	H	H	H	M	H	H	H
CO5	H	L	H	H	M	H	H

H-High; M-Medium; L-Low

For 
Mr. G. RAMANATHAN
 Assistant Prof.
 Department of Hist.
 N.G.M. College (Autonomous)
 Pollachi - 642 001.


Dr. R. MUTHUKUMARAN
 M.A., M.P.H., D.Litt., Ph.D.,
 PRINC
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

CDC/21 -R 1.2

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	21UHY6E33	Title	Batch:	2021 -2024
		Heritage Tourism	Semester:	VI
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	Credits:	4

Course Objective

To enable the students should have understood the heritage value through the important Historical sites, Art and Culture and the important World Organizations working on it

Course Outcomes

On successful completion of the course the students will be able

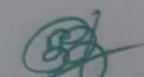
CO Number	CO Statement	Knowledge Level
CO1	To recall the meaning, categories and benefits of Heritage Tourism	K1
CO2	To explain the Historic Preservation and restoration of World Heritage Sites	K2
CO3	To identify the Art, Architectural and Cultural heritage of India	K3
CO4	To summaries the functions of Heritage Management Organizations	K4
CO5	To illustrate the Heritage Railways and Hotels in India	K5

Mapping with Programme Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	L	H	H	L	M	H	H
CO2	H	H	L	H	H	H	H
CO3	H	L	H	H	H	L	M
CO4	H	L	H	M	H	H	L
CO5	L	H	H	L	M	H	H

H-High; M-Medium; L-Low



For 
Mr. G. RAMANATHAN M.A., M.Phil., SET NET
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.

Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

CDC/21 -R 1.2

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	21UHY616	Title	Batch:	2021 -2024
		History of Kongu Country	Semester:	VI
Lecture Hrs./Week	6	Tutorial Hrs./Sem.	-	Credits: 4

Course Objective

To enable the students to know the past history and the cultural values of Kongu country and its growth

Course Outcomes

On successful completion of the course the students will be able

CO Number	CO Statement	Knowledge Level
CO1	To analyze the Geographical Features of Kongu Country	K4
CO2	To know about Early, Medieval and Pre-Modern Periods	K2
CO3	To learn about Cultural History	K3
CO4	To illustrate the Modern Period and Growth of Agriculture and Industry	K4
CO5	To know the architects of Kongu region	K5

Mapping with Programme Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	H	H	H	H	M	H	H
CO2	H	H	L	H	H	H	H
CO3	H	M	H	H	H	L	M
CO4	H	H	H	M	H	H	H
CO5	H	L	H	H	M	H	H

H-High; M-Medium; L-Low

FOR 
Mr. G. RAMANATHAN M.A., M.Phil., SE
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 Pollachi - 642 001.


Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	21UHY617	Title	Batch:	2021 -2024
		History of India from 1947 A.D to 2000 A.D	Semester:	VI
Lecture Hrs./Week	5	Tutorial Hrs./Sem.	-	Credits: 4

Course Objective

This course presents the social and cultural history of India from 1947 CE – 2000 CE, to analyze the rise of Modern India in Post- Independent India and the role of chief architects in building it.

Course Outcomes

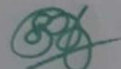
On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To know about the Roles of Sardar Vallabhai Patel and Jawaharlal Nehru	K1
CO2	To examine about Indo – Pak war & Lal Bahadur Shastri	K3
CO3	To know about the Administrative role of Janata Party and Rajiv Gandhi reforms	K1
CO4	To interpret the Mandal commission	K4
CO5	To evaluate the Foreign Policies of Prime Ministers of India	K5

Mapping with Programme Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	H	H	H	H	M	H	H
CO2	H	H	L	H	H	H	H
CO3	H	M	H	H	H	H	M
CO4	H	H	H	M	H	H	H
CO5	H	H	H	H	M	H	H

H-High; M-Medium; L-Low

For 
Mr. G. RAMANATHAN M.A., M.Phil., SET NET
 Assistant Professor
 Department of History
 N.G.M. College (Autonomous)
 - Pollachi - 642 001.


Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District

Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	21UHY618	Title	Batch:	2021 -2024
		FreedomStruggle	Semester:	VI
Lecture Hrs./Week	5	Tutorial Hrs./Sem.	-	Credits: 5

Course Objective

To provide the background for understanding about the enrichment of Indian Spirit through the ages and to make them imbibe the value of heroic qualities, selfless services and marvelous leadership

Course Outcomes

On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To recall the concept of nationalism and causes for the national awakening	K1
CO2	To classify the ideas and practices of the Moderates and Extremists	K4
CO3	To point out the significance of the Gandhian Era	K3
CO4	To summarize the Civil Disobedience movement and Dandi March	K4
CO5	To evaluate role of Subash Candra Bose and Indian National Army	K5

Mapping with Programme Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	H	H	H	H	M	H	H
CO2	H	H	L	H	H	H	H
CO3	H	M	H	H	H	H	M
CO4	H	H	H	M	H	H	H
CO5	H	H	H	H	M	H	H

H-High; M-Medium; L-Low



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CDC/21 -R 1.2

Programme Code:	B.A. History	Programme Title:		Bachelor of Arts	
Course Code:	21UHY619	Title		Batch:	2021-24
		Introduction To Industry 4.0		Semester:	VI
Lecture Hrs./Week	5	Tutorial Hrs./Sem.	-	credit	4

Course Objective

To know the Artificial intelligence and associated Technologies

Course Outcomes

On the successful completion of the course, students will be able

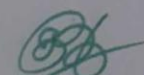
CO Number	CO Statement	Knowledge Level
CO1	To examine the need for Industry 4.0	K4
CO2	To relate the background of Artificial intelligence	K2
CO3	To discuss the Big Data Evolution and Characteristics	K6
CO4	To analyze the application and impact of industry 4.0	K4
CO5	To illustrate the Industry 4.0 education and jobs in 2030	K2, K4

Mapping

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	H	H	H	M	L	M	M
CO2	H	H	H	M	M	M	M
CO3	H	H	H	M	M	M	L
CO4	H	H	H	L	M	M	M
CO5	H	H	H	M	L	M	M

H-High; M-Medium; L-Low



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Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	21UHY6S21	Title	Batch:	2021 -2024
		Tourist Destinations in India	Semester:	VI
Lecture Hrs./Week	2	Tutorial Hrs./Sem.	Credits:	2

Course Objective

To expose the students to be familiar with the important tourist places in India and to understand the value of India is a tourist Destination.

Course Outcomes

On successful completion of the course the students will be able

CO Number	CO Statement	Knowledge Level
CO1	To understand about Tourist Destinations in North India	K1
CO2	To know about Tourist Destinations in East India	K2
CO3	To examine about Tourist Destinations in West India	K3
CO4	To illustrate about Tourist Destinations in North East India	K4
CO5	To know the different cultures of India	K5

Mapping with Programme Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	M	H	H	L	M	H	H
CO2	H	L	L	H	H	H	H
CO3	M	M	M	M	M	L	M
CO4	H	H	H	M	H	H	H
CO5	H	L	H	H	M	H	L

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Programme Code:	B.A. History	Programme Title:	Bachelor of Arts	
Course Code:	CTV201	Title	Batch:	2021-2024
		Thoughts of Swami Vivekananda	Semester:	I
Lecture Hrs./Week	11	Tutorial Hrs./Sem.	Credits:	2

Course Objective

To provide the background for understanding about the enrichment of Indian Spirituality through the ages and to make them imbibe the value of heroic qualities, selfless services and marvelous leadership

Course Outcomes

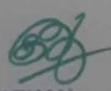
On successful completion of the course the students will be able

CO Number	CO Statement	Knowledge Level
CO1	To understand about the enrichment of Indian Spirituality through the ages	K1
CO2	To make the absorb the value of heroic qualities	K2
CO3	To build the imbibe the value of selfless services	K6
CO4	To construct them absorb the value of marvelous leadership	K4
CO5	To know the different cultures of India	K5

Mapping with Programme Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO1	M	M	H	H	M	H	L
CO2	H	H	L	L	H	H	H
CO3	M	M	H	H	L	L	M
CO4	H	H	L	M	H	H	H
CO5	H	L	H	H	M	H	L

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NALLAMUTHU GOUNDER MAHALINGAM COLLEGE
DEPARTMENT OF HISTORY

S.N o.	Reg.No	Stuedent Name	Signature
1	21-HT-03	AKILAN. S	S. Akilan
2	21-HT-05	DEVARAVIND.K.R	K. R. Dev Arvind
3	21-HT-06	DHANUSH. M	M. Dhanush
4	21-HT-07	DHANUSHKUMAR. V	Dhanush Kumar
5	21-HT-09	DHINESHKUMAR.M	M. Dhinesh Kumar
6	21-HT-10	GOKUL KRISHNAN.S	S. Gokul Krishnan
7	21-HT-11	GOPINATHAN.P	P. Gopinathan
8	21-HT-12	GOWTHAM.P	Gowtham. P
9	21-HT-15	NANDHA KUMAR.K	K. Nandha Kumar
10	21-HT-16	NAVANEETHAKRISHNAN.C	C. Navaneetha Krishnan
11	21-HT-17	PARASURAMAN.S	S. Parasuraman
12	21-HT-18	PRABAKARAN.N	N. Prabakaran
13	21-HT-19	PRASAD. V.R	R. Prasad
14	21-HT-20	PRAVEENKUMAR.S	S. Praveen Kumar
15	21-HT-21	RAJESH.M	M. Rajesh
16	21-HT-22	RAJESHKUMAR.A	A. Rajesh Kumar
17	21-HT-23	RANJITH.M	M. Ranjith
18	21-HT-24	SAIKUMAR.M	M. Saikumar
19	21-HT-25	SAKTHIVADIVEL.C	C. Sakthivadivel
20	21-HT-27	SASIKUMAR.M	M. Sasikumar
21	21-HT-30	UDHAYAKUMAR.T	T. Udhaya Kumar
22	21-HT-31	UDHAYAKUMAR.K	K. Udhaya Kumar
23	21-HT-32	VINOTH KUMAR.M	M. Vinoth Kumar
24	21-HT-33	YUVARAJ.M	M. Yuvaraj
25	21-HT-34	ABINAYA.M	M. Abinaya
26	21-HT-35	ABIRAMI.R	R. Abirami
27	21-HT-37	ABITHA.S	S. Abitha
28	21-HT-38	ANANDHI.E	E. Anandhi
29	21-HT-39	CHARULATHA.D	D. Charulatha
30	21-HT-40	DHANUSRI.A	A. Dhanusri
31	21-HT-41	INDHUMATHI.G	G. Indhumathi
32	21-HT-42	KALEESWARI.S	S. Kaleeswari
33	21-HT-43	KANISHKA.V.S	S. Kanishka
34	21-HT-46	KAVYA SREE.D	D. Kavya Sree

35	21-HT-47	LALITHA.R	R. Lalitha
36	21-HT-48	MAREESWARI.M	M. Mareeswari
37	21-HT-49	NALINI.N	N. Nalini
38	21-HT-50	NANDHINI.R	R. Nandhini
39	21-HT-51	NAVEENA.R	Naveena R
40	21-HT-52	NIROSHA.A	A. Nirosha
41	21-HT-53	NIVYA.D	D. Nivya
42	21-HT-54	PREMALATHA.C	C. Premalatha
43	21-HT-55	SANTHIYA.S	S. Santhiya
44	21-HT-57	SIVASAKTHI.K	K. Sivasakthi
45	21-HT-58	TAMILARASI.S	S. Tamilarasu
46	21-HT-59	TAMILSELVI.M	M. Tamilselvi
47	21-HT-60	UTHAMI.C	C. Uthami
48	21-HT-61	SIVALINGAM.S	S. Sivalingam
49	20-HT-48	INDHUMATHI.S	S. Indhumathi

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