



ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE

Permanently Affiliated to Thiruvalluvar University
Recognized by UGC under sections 2(f) and 12(B) of the UGC Act 1956
Accredited with "B" Grade by NAAC

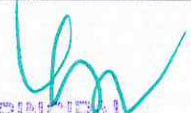
Approved by the Government of Tamil Nadu
Phone:04174-235266 Email: principalwac@gmail.com
www.islamiahwomensartsandsciencecollege.com

Project Details 2022 - 2023

Program Name: B.Sc Chemistry – Program Code : U17

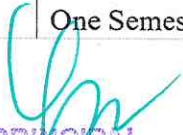
S.No	List Of Students	Project Title	Place Of Work	Duration
1	Aisha Siddeeqa MI	Green Synthesis And Characterization Of Iron Chloride Nanoparticles From Ocimum Sanctum Leaves Extract	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
2	Aleena Nousheen A	Synthesis And Analysis Of Bioplastics From Waste Peels Of Potato	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
3	Arshiya Batool M	Zero Liquids Discharge Common Effluent Treatment Plant For Tanneries	Vanitec, Vaniyambadi.	1.2.2023 to 11.5.2023 One Semester
4	Ayesha Batool.K	Tannery Effluent Treatment By Implementation Of Zld	Vanitec, Vaniyambadi.	1.2.2023 to 11.5.2023 One Semester
5	Ayesha Siddiqua N	Green Synthesis And Characterization Of Iron Chloride Nanoparticles From Acalypha Indica Leaves Extract	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
6	Bhuvaneshwari M	Synthesis And Analysis Of Bioplastics From Cassava Starch	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
7	Deepa A	Synthesis And Analysis Of Bioplastics From Waste Peels Of Banana	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
8	Dhanusha P	Green Synthesis And Characterization Of Iron Chloride From Piperaceae Leaves Extract	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester




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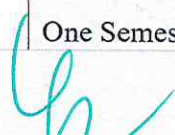
9	Gopika D	En Synthesis Of (Co(Ii)(Phenan)Cl(1 Amino (Phenyl) Methylene) Thiosemicarbazide	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
10	Harivaishnavi T	Zero Liquids Discharge Common Effluent Treatment Plant Foe Tanneries	Vanitec, Vaniyambadi.	1.2.2023 to 11.5.2023 One Semester
11	Hariyuktha R	En Synthesis And Characterization Of Azo Dye Para Red Derivatives	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
12	Hemavathi S	Zero Liquids Discharge Common Effluent Treatment Plant Foe Tanneries	Vanitec, Vaniyambadi.	1.2.2023 to 11.5.2023 One Semester
13	Janani S	En Synthesis Of Cu(Ii) 1- (Amino(Phenyl) Methylene)Thiosemicarbazide	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
14	Khateeb Farha Aiman	Zero Liquids Discharge Common Effluent Treatment Plant Foe Tanneries	Vanitec, Vaniyambadi.	1.2.2023 to 11.5.2023 One Semester
15	Lakshmi S	Corrosion Of Mild Steel Using Organic Inhibitor (Bay Leaf - 1 Day)	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
16	Madhumitha B	Corrosion Of Mild Steel Using Organic Inhibitor (Anise Star Seed - 1 Hour)	Islamiah Womens Arts And Science College	1.2.2023 to 11.5.2023 One Semester
17	Mageswari M	Corrosion Of Mild Steel Using Organic Inhibitor (Bay Leaf - 1 Hour)	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
18	Manjula G	Corrosion Of Mild Steel Using Organic Inhibitor (Anise Star Seed - 1 Day)	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
19	Mehar Jabeen E	Zero Liquids Discharge Common Effluent Treatment Plant Foe Tanneries	Vanitec, Vaniyambadi.	1.2.2023 to 11.5.2023 One Semester
20	Nafiya Afreen T	Zero Liquids Discharge Common Effluent Treatment Plant Foe Tanneries	Vanitec, Vaniyambadi.	1.2.2023 to 11.5.2023 One Semester




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21	Narmada M	Synthesis Of Soap Using Tomato As Organic Compound	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
22	Nazma T S	Zero Liquids Discharge Common Effluent Treatment Plant For Tanneries	Vanitec, Vaniyambadi.	1.2.2023 to 11.5.2023 One Semester
23	Nisha Nandhini K	Zero Liquids Discharge Common Effluent Treatment Plant For Tanneries	Vanitec, Vaniyambadi.	1.2.2023 to 11.5.2023 One Semester
24	Nivetha S	Synthesis And Characterization Of Bioplastic With Corn Starch	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
25	Nivetha U	Synthesis And Characterization Of Polyacid With Moringa Resin Extract	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
26	Poovarasi M	Synthesis And Characterization Of Polyacid With Moringa Resin Extract	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
27	Priyadharshini C	Synthesis And Characterization Of Silver Nano Particles With Lemon Leaf Extract	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
28	Rimsha Mariyam G	Synthesis And Characterization Of Silver Nano Particles With Acacia Nicotica Pods Extract	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
29	Ruhi H	Green Synthesis Of Silver Nanoparticles From Moringa Olefera	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
30	Ruqsar Fathima V M	Green Synthesis Of Silver Nanoparticles From Murraya Koenigii (Curry Leaves) Plant Extract	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
31	Sangeetha P	Synthesis And Analysis Of Bioplastics From Agar Agar Powder	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
32	Suji V	Zero Liquids Discharge Common Effluent Treatment Plant For Tanneries	Vanitec, Vaniyambadi.	1.2.2023 to 11.5.2023 One Semester




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33	Thamizharasi A	Apple Browning Prevention In Different Solution	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
34	Vaishnavi. D S	Butterfly Pea Flower As Natural Indicators	Islamiah Womens Arts And Science College	1.2.2023 to 11.5.2023 One Semester
35	Vijayalakshmi A	Zero Liquids Discharge Common Effluent Treatment Plant For Tanneries	Vanitec, Vaniyambadi.	1.2.2023 to 11.5.2023 One Semester
36	Vijayalakshmi V	Green Synthesis Of Metallic Nano Particles From The Leaf Extract Of Psidium Guajava	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
37	Vinodhini S	Analysis Of Honey	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
38	Vinothini S	Presence Of Insecticides And Pesticides In Fruits And Vegetables	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
39	Yasmeen G M	Green Synthesis And Formulation In Hibiscus Rosa Sinensis Leves.	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester
40	Yunika D	Synthesis And Characterisation Of Bioplastic With Wheat Starch	Islamiah Women's Arts And Science College	1.2.2023 to 11.5.2023 One Semester

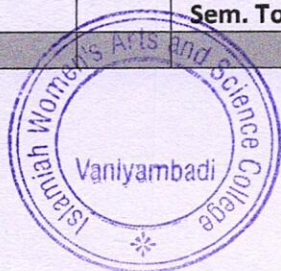


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THIRUVALLUVAR UNIVERSITY
BACHELOR OF SCIENCE
B.Sc. CHEMISTRY DEGREE COURSE
(With effect from 2020 - 2021)

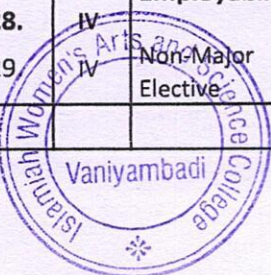
The Course of Study and the Scheme of Examinations


S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I									
1.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
2.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
3.	III	Core Theory	Paper-1	6	4	General Chemistry - I	25	75	100
	III	Core Practical	Practical-1	3	0	Volumetric Analysis	0	0	0
4.	III	Allied -1	Paper-1	4	3	(Choose any 1 out of 5) 1. Physics I 2. Botany I 3. Zoology I 4. Biochemistry I 5. Mathematics I*	25	75	100
	III	Allied- 1	Practical-1	3	0		0	0	0
5.	III	PE	Paper 1	6	3	Professional English I	25	75	100
6.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	20		150	450	600
SEMESTER II									
7.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
8.	II	English (CE)	Paper-2	6	4	Communicative English II	25	75	100
9.	III	Core Theory	Paper-2	5	4	General Chemistry - II	25	75	100
10.	III	Core Practical	Practical-1	3	2	Volumetric Analysis	25	75	100
11.	III	Allied-1	Paper-2	4	3	(Choose any 1 out of 5) 1. Physics II 2. Botany II 3. Zoology II 4. Biochemistry II 5. Mathematics II*	25	75	100
12.	III	Allied Practical - 1	Practical-1	2	2		25	75	100
13.	III	PE	Paper 1	6	3	Professional English II	25	75	100
14.	IV	Value Education		2	2		25	75	100
15.	IV	Soft Skill		2	1		25	75	100
		Sem. Total		36	25		225	675	900



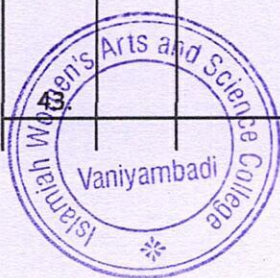
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S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER III									
16.	I	Language	Paper-3	6	4	Tamil / Other Languages	25	75	100
17.	II	English	Paper-3	6	4	English	25	75	100
18.	III	Core Theory	Paper-3	4	4	General Chemistry - III	25	75	100
	III	Core Practical	Practical-2	3	0	Inorganic Qualitative Analysis & Preparations	0	0	0
19.	III	ALLIED-2	Paper-3	4	3	Any one from 1. Physics -I 2. Botany -I 3. Zoology -I 4. Biochemistry - I 5. Mathematics - I*	25	75	100
	III	Allied Practical	Practical-2	3	0	Allied practical-II	0	0	0
20.	IV	Skill Based Subject	Paper-1	2	2	Water Treatment and Analysis	25	75	100
21.	IV	Non-Major Elective	Paper-1	2	2	Medicinal Chemistry	25	75	100
				30	19		150	450	600
SEMESTER IV									
22.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
23.	II	English	Paper-4	6	4	English	25	75	100
24.	III	Core Theory	Paper-4	4	4	General Chemistry - IV	25	75	100
25.	III	Core Practical	Practical-2	3	3	Inorganic Qualitative Analysis & Preparations	25	75	100
26.	III	Allied-2	Paper-4	4	3	Any one from 1. Physics -II 2. Botany -II 3. Zoology -II 4. Biochemistry - II 5. Mathematics - II*	25	75	100
27.	III	Allied Practical	Practical-2	3	2	Allied practical-II	25	75	100
28.	IV	NMSDC : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
29.	IV	Non-Major Elective	Paper-2	2	2	Chemistry in Every Day Life	25	75	100
				30	24		200	600	800




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S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER V									
30.	III	Core Theory	Paper-5	6	5	Inorganic Chemistry - I	25	75	100
	III	Core Practical	Practical-3	3	0	Gravimetric Estimation	0	0	0
31.	III	Core Theory	Paper-6	6	5	Organic Chemistry - I	25	75	100
	III	Core Practical	Practical-4	3	0	Organic qualitative Analysis and Preparations	0	0	0
32.	III	Core Theory	Paper-7	6	4	Physical Chemistry - I	25	75	100
33.	III	Internal Elective	Paper-1	3	3	Any one from A. Analytical chemistry - I B. Basis of computer programming in C and its applications in Chemistry c. Organic Synthesis	25	75	100
34.	IV	Skill Based Subject	Paper-3	3	2	Applied Chemistry	25	75	100
							150	450	600
SEMESTER VI									
35.	III	Core Theory	Paper-8	6	4	Inorganic Chemistry - II	25	75	100
36.	III	Core Theory	Paper-9	6	4	Organic Chemistry - II	25	75	100
37.	III	Core Theory	Paper-10	6	4	Physical Chemistry - II	25	75	100
38.		Compulsory Project		0	5		25	75	100
39.	III	Core Practical-3	Practica I-3	0	2	Gravimetric Estimation	25	75	100
40.	III	Core Practical-4	Practica I-4	0	2	Organic qualitative Analysis and Preparations	25	75	100
41.	III	Core Practical-5	Practica I-5	3	3	Physical Chemistry Experiments	25	75	100
42.	III	Internal Elective	Paper-2	3	3	Any one from A. Analytical Chemistry-II B. Textile Chemistry C. Nano Chemistry	25	75	100
	III	Internal Elective	Paper-3	3	3	Any one from A. Pharmaceutical Chemistry B. Polymer Chemistry C. Green Chemistry Agriculture and Leather	25	75	100



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Tirupattur - 635 601.

Email ID: principaliwc@gmail.com

DEPARTMENT OF CHEMISTRY

MAY - 2023

CERTIFICATE

This is to certify that the group project entitled **GREEN SYNTHESIS AND CHARACTERISATION OF IRON CHLORIDE NANOPARTICLES FROM OCIMUM SANCTUM LEAVES EXTRACT** is the bonafide record done by **AISHA SIDDEEQA ML (REG. NO: 31220U17001)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Signature of the Guide supervisor

[S. THI LAKSHAYATHI]

Signature of the H.O.D

[S. THI LAKSHAYATHI]

HEAD OF THE DEPARTMENT
DEPARTMENT OF CHEMISTRY
ISLAMIAH WOMEN'S ARTS
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VANIYAMBADI.

Submitted for the Viva – Voce examination held on 11.05.2023

Internal Examiner

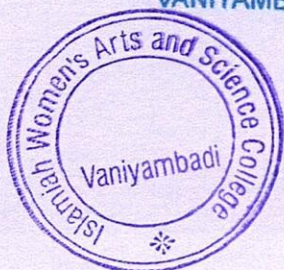
[S. THI LAKSHAYATHI]

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External Examiner

PROF. B. BALAJI, M.Sc. M.Phil. NET
ASSISTANT PROFESSOR
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GUDIYATTAM - 635 803

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Email ID: principaliwc@gmail.com

DEPARTMENT OF CHEMISTRY

MAY - 2023

CERTIFICATE

This is to certify that the group project entitled *SYNTHESIS AND ANALYSIS OF BIOPLASTICS FROM WASTE PEELS OF POTATO* is the bonafide record done by **ALEENA NOUSHEEN A (REG. NO: 31220U17002)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Signature of the Guide supervisor

[J. THILAGANATHI]

Signature of the H.O.D

[J. THILAGANATHI]

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Submitted for the Viva – Voce examination held on 11.05.2023

Internal Examiner

[J. THILAGANATHI]

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Tirupattur - 635 601.

Email ID: principalwvc@gmail.com

DEPARTMENT OF CHEMISTRY

MAY - 2023

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This is to certify that the group project entitled **ZERO LIQUIDS DISCHARGE COMMON EFFLUENT TREATMENT PLANT FOR TANNERIES** is the bonafide record done by **ARSHIYA BATOOL M (REG. NO: 31220U17003)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

S. Thilakavathi

Signature of the Guide supervisor

[S. THILAKAVATHI]

S. Thilakavathi

Signature of the H.O.D

[S. THILAKAVATHI]

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S. Thilakavathi

Internal Examiner

[S. THILAKAVATHI]

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Prof. B. Balaji

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Prof. B. Balaji

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Tirupattur - 635 601.

Email ID: principaliw@gmail.com

DEPARTMENT OF CHEMISTRY

MAY - 2023

CERTIFICATE

This is to certify that the group project entitled *TANNERY EFFLUENT TREATMENT BY IMPLEMENTATION OF ZLD* is the bonafide record done by **AYESHA BATOOL.K (REG. NO: 31220U17004)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Signature of the Guide supervisor

[S. THILAKAVATHI]

Signature of the H.O.D

[S. THILAKAVATHI]

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Internal Examiner

[S. THILAKAVATHI]

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DEPARTMENT OF CHEMISTRY

MAY - 2023

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This is to certify that the group project entitled **GREEN SYNTHESIS AND CHARACTERISATION OF IRON CHLORIDE NANOPARTICLES FROM ACALYPHA INDICA LEAVES EXTRACT** is the bonafide record done by **AYESHA SIDDIQUA N (REG. NO: 31220U17005)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry English under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Signature of the Guide supervisor

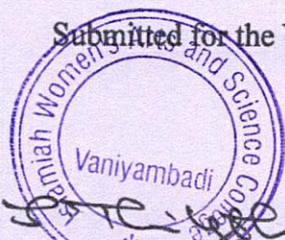
[S. THI LAKSHAYATHI]

Signature of the H.O.D

[S. THI LAKSHAYATHI]

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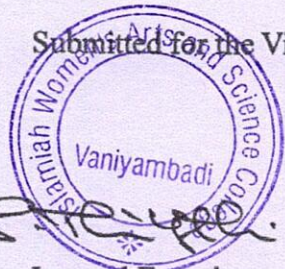
This is to certify that the group project entitled *SYNTHESIS AND ANALYSIS OF BIOPLASTICS FROM CASSAVA STARCH* is the bonafide record done by **BHUVANESHWARI M (REG. NO: 31220U17006)** in partial fulfilment of the requirement for the award of the degree of the Science in Chemistry in English under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Signature of the Guide supervisor

Signature of the H.O.D

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MAY - 2023

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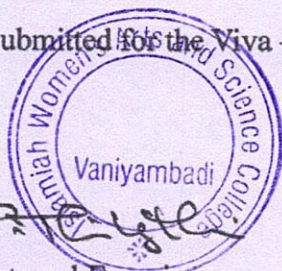
This is to certify that the group project entitled *SYNTHESIS AND ANALYSIS OF BIOPLASTICS FROM WASTE PEELS OF BANANA* is the bonafide record done by **DEEPA A (REG. NO: 31220U17007)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Signature of the Guide supervisor

Signature of the H.O.D

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Submitted for the Viva – Voce examination held on 11/05/2023



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This is to certify that the group project entitled **GREEN SYNTHESIS AND CHARACTERISATION OF IRON CHLORIDE FROM PIPERACAE LEAVES EXTRACT** is the bonafide record done by **DHANUSHA P (REG. NO: 31220U17008)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

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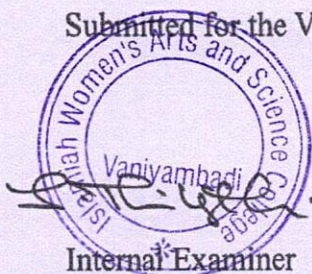
[J. LEKHA]

Signature of the H.O.D

[S. STHILAHAVATHI]

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This is to certify that the group project entitled *EN SYNTHESIS OF (CO(III)(PHENAN)CL(I AMINO (PHENYL) METHYLENE) THIOSEMICARBAZIDE* is the bonafide record done by **GOPIKA D (REG. NO: 31220U17009)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

J. Lekha

Signature of the Guide supervisor

[J. LEKHA]

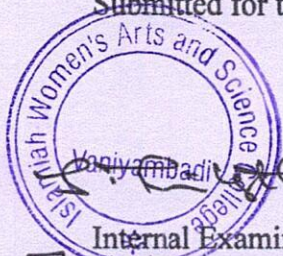
S. Thi Lakshavathi

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This is to certify that the group project entitled **ZERO LIQUIDS DISCHARGE COMMON EFFLUENT TREATMENT PLANT FOR TANNERIES** is the bonafide record done by **HARIVAISHNAVI T (REG. NO: 31220U17010)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

J. Lekha

Signature of the Guide supervisor

[J. LEKHA]

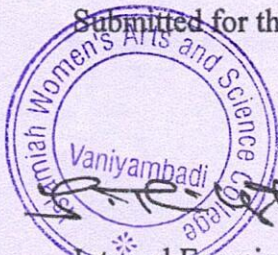
[Signature]

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J. Lekha

Signature of the Guide supervisor

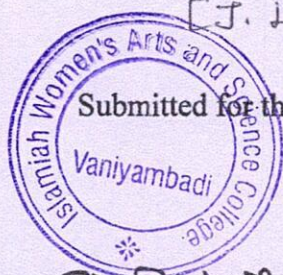
[J. LEKHA]

S. Thilagamathi

Signature of the H.O.D

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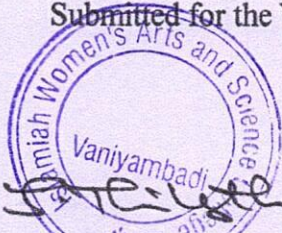
[J. LEKHA]

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[S. THILAKAVATHI]

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This is to certify that the group project entitled *EN SYNTHESIS OF CU(II) 1-(AMINO(PHENYL) METHYLENE)THIOSEMICARBAZIDE* is the bonafide record done by JANANI S (REG. NO: 31220U17013) in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

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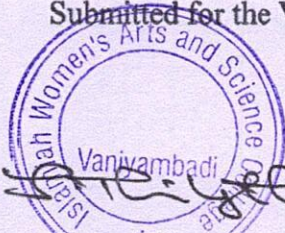
[J. LEKHA]

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J. Lekha

Signature of the Guide supervisor

[J. LEKHA]

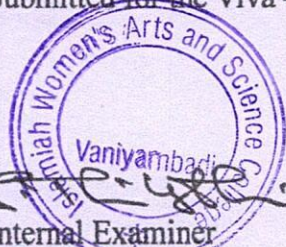
[Signature]

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This is to certify that the group project entitled *CORROSION OF MILD STEEL USING ORGANIC INHIBITOR (BAY LEAF - 1 DAY)* is the bonafide record done by **LAKSHMI S (REG. NO: 31220U17015)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

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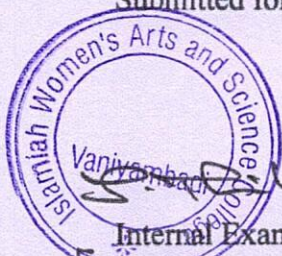
[FAIQUA ANJUM A]

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This is to certify that the group project entitled *CORROSION OF MILD STEEL USING ORGANIC INHIBITOR (ANISE STAR SEED - 1 HOUR)* is the bonafide record done by **MADHUMITHA B (REG. NO: 31220U17016)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry glish under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

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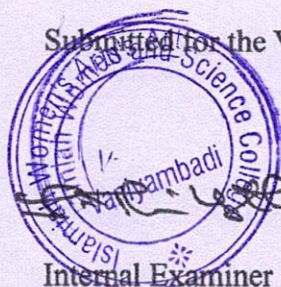
[FAIQUA ANJUM A]

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[FAIQUA ANJUM A]

Signature of the H.O.D

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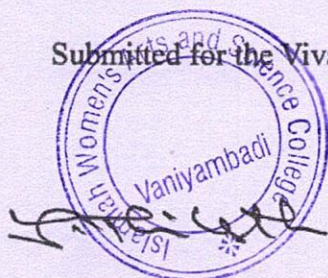
[FAIQUA ANJUM A]

Signature of the H.O.D

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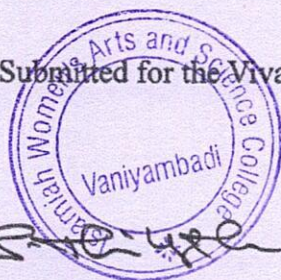
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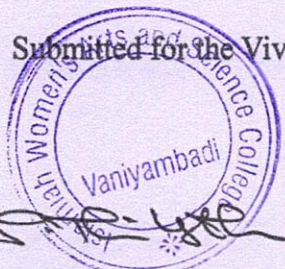
[**FAIQUA ANJUM A**]

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DEPARTMENT OF CHEMISTRY

MAY - 2023

CERTIFICATE

This is to certify that the group project entitled *SYNTHESIS OF SOAP USING TOMATO AS ORGANIC COMPOUND* is the bonafide record done by NARMADA M (REG. NO: 31220U17022) in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Signature of the Guide supervisor

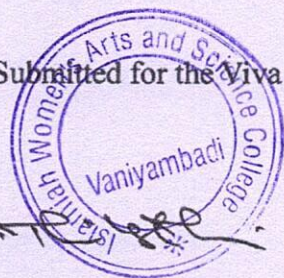
[FAIQUA ANJUM A]

Signature of the H.O.D

[J. THIRAGAVATHI]

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DEPARTMENT OF CHEMISTRY
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Submitted for the Viva – Voce examination held on 11.05.2023



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DEPARTMENT OF CHEMISTRY

MAY - 2023

CERTIFICATE

This is to certify that the group project entitled **ZERO LIQUIDS DISCHARGE COMMON EFFLUENT TREATMENT PLANT FOR TANNERIES** is the bonafide record done by **NAZMA T S (REG. NO: 31220U17023)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Signature of the Guide supervisor

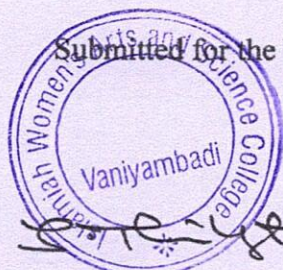
[MARY INDOMATHI - JP]

Signature of the H.O.D

[J. THILAGAVATHI]

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MAY - 2023

CERTIFICATE

This is to certify that the group project entitled *ZERO LIQUIDS DISCHARGE COMMON EFFLUENT TREATMENT PLANT FOE TANNERIES* is the bonafide record done by **NISHA NANDHINI K (REG. NO: 31220U17025)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

M.D. Johni

Signature of the Guide supervisor

[MARY INDUMATHI JP]

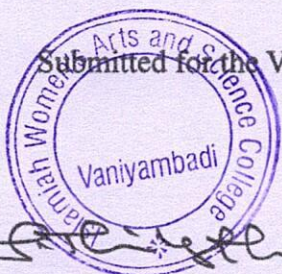
J. Thilagavathi

Signature of the H.O.D

[J. THILAGAVATHI]

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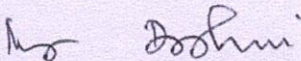
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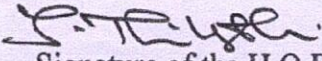
MAY - 2023

CERTIFICATE

This is to certify that the group project entitled *SYNTHESIS AND CHARACTERISATION OF BIOPLASTIC WITH CORN STARCH* is the bonafide record done by **NIVETHA S (REG. NO: 31220U17026)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

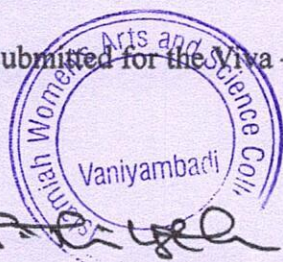

Signature of the Guide supervisor

[MARY INDUMATHI JP]


Signature of the H.O.D

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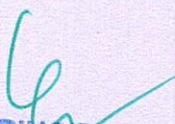
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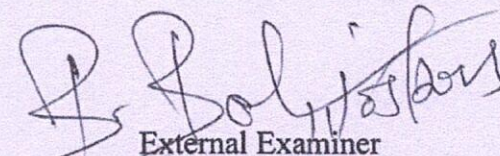




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MAY - 2023

CERTIFICATE

This is to certify that the group project entitled *SYNTHESIS AND CHARACTERISATION OF POLYACID WITH MORINGA RESIN EXTRACT* is the bonafide record done by NIVETHA U (REG. NO: 31220U17027) in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Mary Injmathi

Signature of the Guide supervisor

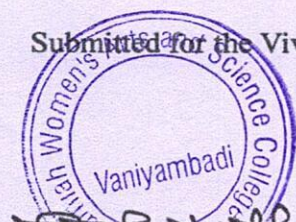
[MARY INJUMATHI.JP]

J. Thilagavathi

Signature of the H.O.D

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MAY - 2023

CERTIFICATE

This is to certify that the group project entitled *SYNTHESIS AND CHARACTERISATION OF POLYACID WITH MORINGA RESIN EXTRACT* is the bonafide record done by **POOVARASI M (REG. NO: 31220U17028)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Mary Indumathi

Signature of the Guide supervisor

[MARY INDUMATHI.JP]

J. Thilagaavathi

Signature of the H.O.D

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CERTIFICATE

This is to certify that the group project entitled *SYNTHESIS AND CHARACTERISATION OF SILVER NANO PARTICLES WITH LEMON LEAF EXTRACT* is the bonafide record done by **PRIYADHARSHINI C (REG. NO: 31220U17029)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

M. Indumathi

Signature of the Guide supervisor

[MARY INDUMATHI, JP]

J. Thilagaavathi

Signature of the H.O.D

[J. THILAGAVATHI]

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Tirupattur - 635 601.

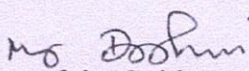
Email ID: principaliwc@gmail.com

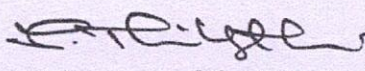
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MAY - 2023

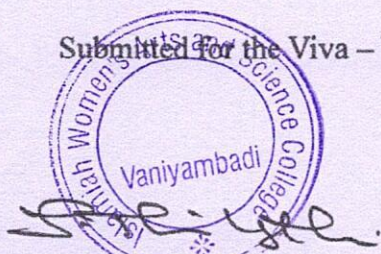
CERTIFICATE

This is to certify that the group project entitled *SYNTHESIS AND CHARACTERISATION OF SILVER NANO PARTICLES WITH ACACIA NICOTICA PODS EXTRACT* is the bonafide record done by **RIMSHA MARIYAM G (REG. NO: 31220U17031)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.


Signature of the Guide supervisor
[MARY INDUMATHI, JP]

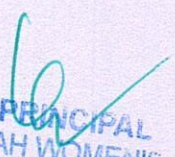

Signature of the H.O.D
[J. THILAGAVATHI]
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ISLAMIAH WOMEN'S ARTS
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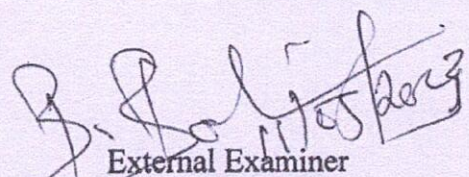
Submitted for the Viva – Voce examination held on 11-05-2023



Internal Examiner

[J. THILAGAVATHI]
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MAY - 2023

CERTIFICATE

This is to certify that the group project entitled **GREEN SYNTHESIS OF SILVER NANOPARTICLES FROM MORINGA OLEFERA** is the bonafide record done by **RUHI H (REG. NO: 31220U17032)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Signature of the Guide supervisor

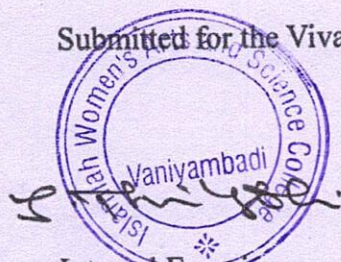
[R. RAMYA]

Signature of the H.O.D

[S. THILALAHAYATHI]

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DEPARTMENT OF CHEMISTRY

MAY - 2023

CERTIFICATE

This is to certify that the group project entitled **GREEN SYNTHESIS OF SILVER NANOPARTICLES FROM MURRAYA KOENIGII (CURRY LEAVES) PLANT EXTRACT** is the bonafide record done by **RUQSAR FATHIMA V M (REG. NO: 31220U17033)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Signature of the Guide supervisor

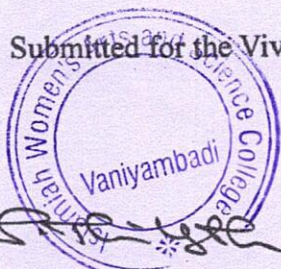
[R. RAMYA]

Signature of the H.O.D

[S. THILAKAVATHI]

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This is to certify that the group project entitled *SYNTHESIS AND ANALYSIS OF BIOPLASTICS FROM AGAR AGAR POWDER* is the bonafide record done by **SANGEETHA P (REG. NO: 31220U17034)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

R. Ramya

Signature of the Guide supervisor

[R. RAMYA]

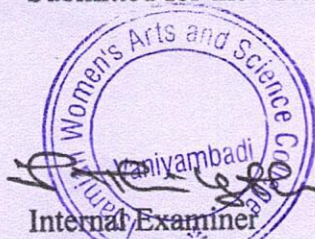
[S. THILAKAVATHI]

Signature of the H.O.D

[S. THILAKAVATHI]

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[B. BALAJI]

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CERTIFICATE

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R. Ramya.

Signature of the Guide supervisor

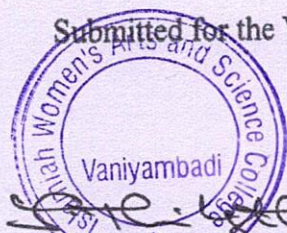
[R. RAMYA]

Signature of the H.O.D

[S. THILAKAVATHI]

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[Handwritten signature of Internal Examiner]

Internal Examiner

[S. THILAKAVATHI]

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CERTIFICATE

This is to certify that the group project entitled *APPLE BROWNING PREVENTION IN DIFFERENT SOLUTION* is the bonafide record done by **THAMIZHARASI A (REG. NO: 31220U17037)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

R. Ramya

Signature of the Guide supervisor

[R. RAMYA]

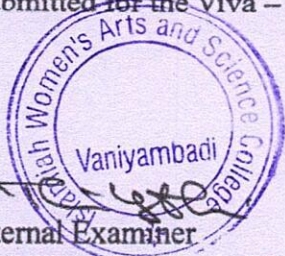
S. Thilagamathi

Signature of the H.O.D

[S. THILAGAMATHI]

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Submitted for the Viva – Voce examination held on 11/05/2023



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CERTIFICATE

This is to certify that the group project entitled **BUTTERFLY PEA FLOWER AS NATURAL INDICATORS** is the bonafide record done by **VAISHNAVI. D S (REG. NO: 31220U17038)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

R. Ramya

Signature of the Guide supervisor

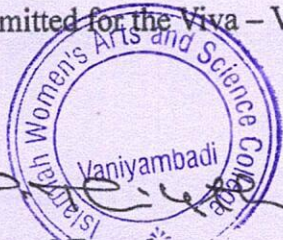
[R. RAMYA]

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CERTIFICATE

This is to certify that the group project entitled **ZERO LIQUIDS DISCHARGE COMMON EFFLUENT TREATMENT PLANT FOR TANNERIES** is the bonafide record done by **VIJAYALAKSHMI A (REG. NO: 31220U17040)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Aishwarya - K

Signature of the Guide supervisor

[AISHWARYA . K]

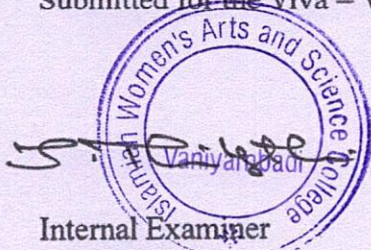
J. Thilagavathi

Signature of the H.O.D

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This is to certify that the group project entitled **GREEN SYNTHESIS OF METALLIC NANO PARTICLES FROM THE LEAF EXTRACT OF PSIDIUM GUAJAVA** is the bonafide record done by **VIJAYALAKSHMI V (REG. NO: 31220U17041)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

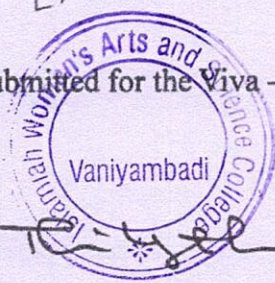
Aishwarya . K .
Signature of the Guide supervisor

[AISHWARYA . K]

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This is to certify that the group project entitled *ANALYSIS OF HONEY* is the bonafide record done by **VINODHINI S (REG. NO: 31220U17042)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Aishwarya. K

Signature of the Guide supervisor
[AISHWARYA. K]

J. Thilakavathi

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This is to certify that the group project entitled *PRESENCE OF INSECTICIDES AND PESTICIDES IN FRUITS AND VEGETABLES* is the bonafide record done by **VINOTHINI S (REG. NO: 31220U17043)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Aishwarya - K

Signature of the Guide supervisor

[AISHWARYA - K]

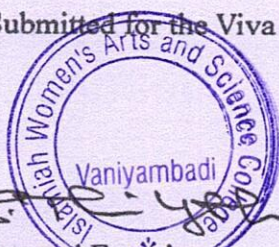
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DEPARTMENT OF CHEMISTRY

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CERTIFICATE

This is to certify that the group project entitled **GREEN SYNTHESIS AND FORMULATION IN HYBISCUS ROSA SINENSIS LEVES** is the bonafide record done by **YASMEEN G M (REG. NO: 31220U17044)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Aishwarya . K
Signature of the Guide supervisor
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MAY - 2023

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This is to certify that the group project entitled ***SYNTHESIS AND CHARACTERISATION OF BIOPLASTIC WITH WHEAT STARCH*** is the bonafide record done by **YUNIKA D (REG. NO: 31220U17045)** in partial fulfilment of the requirement for the award of the degree of the Bachelor of Science in Chemistry under my supervision during the period of 2022 – 2023. It has not been formed the basis for the award of any other degree.

Aishwarya . K .
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[AISHWARYA . K.]

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