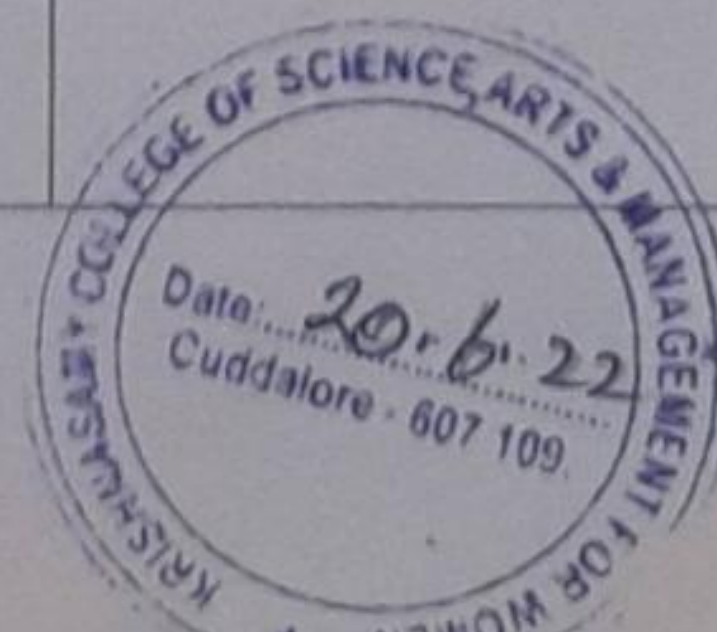
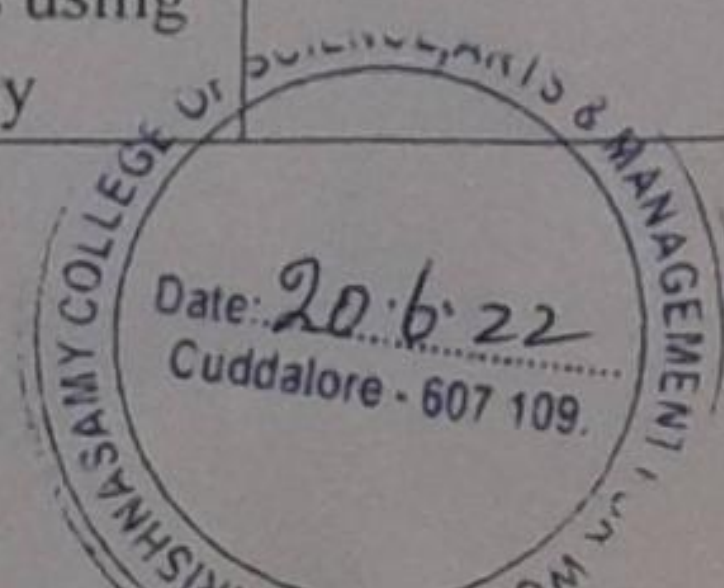


KRISHNASAMY COLLEGE OF SCIENCE, ARTS & MANAGEMENT FOR WOMEN
DEPARTMENT OF CHEMISTRY
II-M.Sc., CHEMISTRY
PROJECT NAME LIST-(2021-2022)

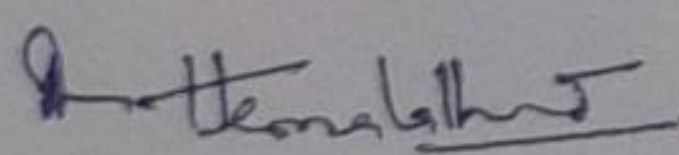
S.NO	REG.NO	NAME OF THE STUDENTS	PROJECT TOPIC	NAME OF THE GUIDE
1	12020P14001	Agalya E	A Detailed report on the unit operation and unit process carried out in the production of the sugar using sugarcane as raw material	Dr.C.M.Mahalakshmi
2	12020P14002	Ahilambal E	Research of a analysis of Quality and moisture content of chocolate – LACTO KING	Dr.R.Hemalatha
3	12020P14003	Dhivya D	Research of synthesis and characterization of ZnO/WO_3 Nano catalysist for photo catalytic degradation of methyl orange under UV Light illumination	Ms.R.Poonguzhali
4	12020P14004	Kamali M	Evaluation of crystallization efficiency in sugar processing industry	Dr.C.M.Mahalakshmi
5	12020P14005	Kavitha S	Analysis of coal samples - TALABIRAMINE	Mrs.M.Thenmozhi
6	12020P14006	Krishnadevi S	Enhancement of evaporation effectiveness in sugar processing industry	Dr.C.M.Mahalakshmi



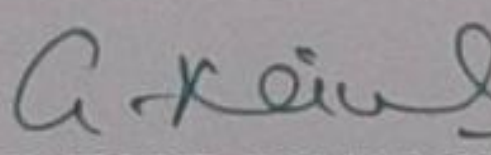
7	12020P14007	Manju G	Research of a analysis of Quality and moisture content of chocolate – PLAIN CANDY	Dr.R.Hemalatha
8	12020P14008	Muthamildevi M	Research of synthesis and characterization of CuO/CeO_3 Nano catalysist for photo catalytic degradation of methyl orange under UV Light illumination	Ms.R.Poonguzhali
9	12020P14009	Narmatha T	Research of a analysis of Quality and moisture content of chocolate – COFFEE BITE	Dr.R.Hemalatha
10	12020P14010	Poornima R	Research of a analysis of Quality and moisture content of chocolate – ECLAIRS	Dr.R.Hemalatha
11 ✓	12020P14011	Sathiya R	Analysis of reducing sugar in sugarcane	Dr.C.M.Mahalakshmi
12	12020P14012	Sneha S	Research of synthesis and characterization of CuO/WO_3 Nano catalysist for photo catalytic degradation of methyl orange under SunLight illumination	Mrs.A.Adhilakshmi
13 ✓	12020P14013	Subashini K	Synthesis and characterization of polyaniline and graphite Nanoparticles using Nickel By	Mrs.A.Adhilakshmi



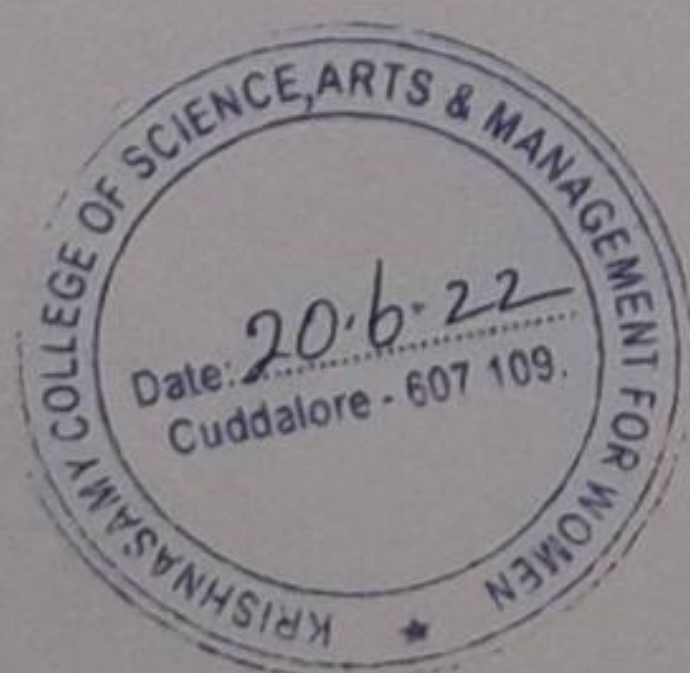
			driectMethanol fuel cell	
14	12020P14014	SubhasriPv	Analysis of coal samples Mineral exploration corporation limited	Mrs.M.Thenmozhi
15	12020P14015	Supriya A	Synthesis and characterization of polyaniline and graphite Nanoparticles using Nickel By driect ethanol fuel cell	Ms.R.Poonguzhali
16	12020P14016	Thaiyalnayagi J	Analysis of coal samples -METTUR THERMAL POWER STATION	Mrs.M.Thenmozhi
17	12020P14017	Vishali E	Research of synthesis and characterization of ZnO/CeO_3 Nano catalysist for photo catalytic degradation of methyl orange under UV Light illumination	Mrs.A.Adhilakshmi


SIGNATURE OF THE HOD

Dr. R. HEMALATHA, M.Sc., M.Phil., Ph.D.,
HEAD OF THE DEPARTMENT
DEPARTMENT OF CHEMISTRY
KRISHNASAMY COLLEGE OF SCIENCE
ARTS AND MANAGEMENT FOR WOMEN
CUDDALORE - 607 109.


SIGNATURE OF THE PRINCIPAL

PRINCIPAL
KRISHNASAMY COLLEGE OF SCIENCE
ARTS & MANAGEMENT FOR WOMEN
S.KUMARAPURAM, CUDDALORE - 607 109



PROJECT WORK
A DETAILED REPORT ON THE UNIT OPERATION AND UNIT PROCESS
CARRIED OUT IN THE SUGAR USING SUGAR CANE AS RAW
MATERIAL AT

Bonafide Work Done

By AGALYA.E

REG.NO:12020P14001

Project Work submitted in fulfillment of the

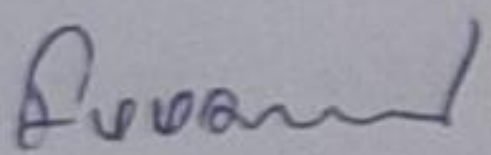
Requirements for the degree of

MASTER OF SCIENCE IN CHEMISTRY

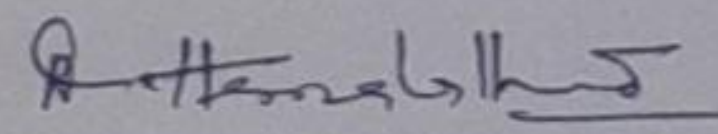
KRISHNASAMY COLLEGE OF SCIENCE ARTS & MANAGEMENT FOR WOMEN,
(NAAC ACCREDITATION 'B' GRADE) S.KUMARAPURAM, CUDDALORE-607109

AFFILIATED TO THIRUVALLUVAR UNIVERSITY, SERKKADU,

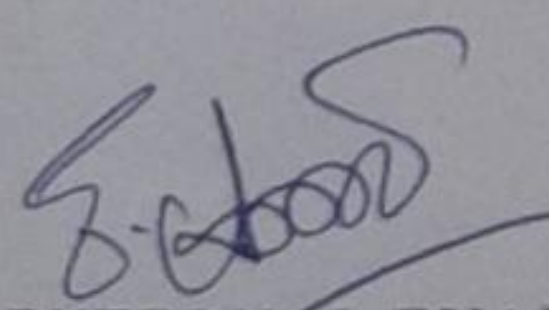
VELLORE- 632115.

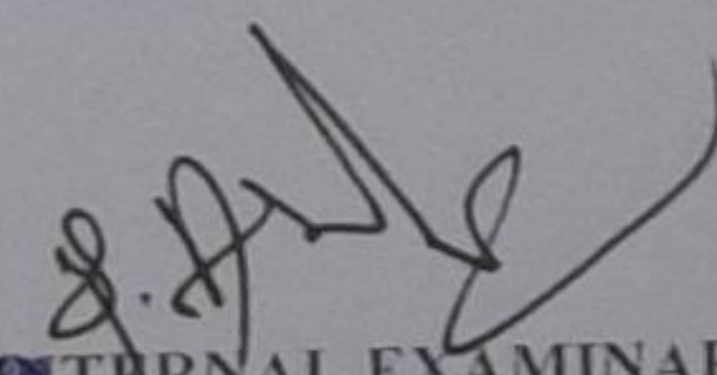

INTERNAL GUIDE

Dr. C. M. MAHALAKSHMI
Asst. Professor in Chemistry
Krishnasamy College of Science Arts and
Management for Women
Cuddalore - 607 109.


HEAD OF THE DEPARTMENT
HEAD - CHEMISTRY
Krishnasamy College of Science,
Arts & Management for Women,
Cuddalore - 607 109.

Submitted for the Viva-Voce Examination held on 20-6-22.


EXTERNAL EXAMINAR
G. ALBERT, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.


EXTERNAL EXAMINAR
S. ALBERT NIKSON, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001

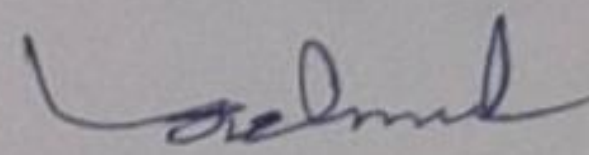
BONAFIDE CERTIFICATE

This is to certify that **AGALYA.E (REG.NO: 12020P14001)** studying her II M.SC CHEMISTRY at **KRISHNASWAMY COLLEGE OF SCIENCE, ARTS AND MAN- AGEMENT FOR WOMEN, CUDDALORE** affiliated to **THIRUVALLUVAR UNIVER- SITY, VELLORE** has successfully completed her project work in **M.R.KRISHNAMURTHY CO-OPERATIVE SUGAR MILLS SETHIYATHOPE** from

During this period her performance and conduct was Good

DATE:

PLACE: SETHIYATHOPE

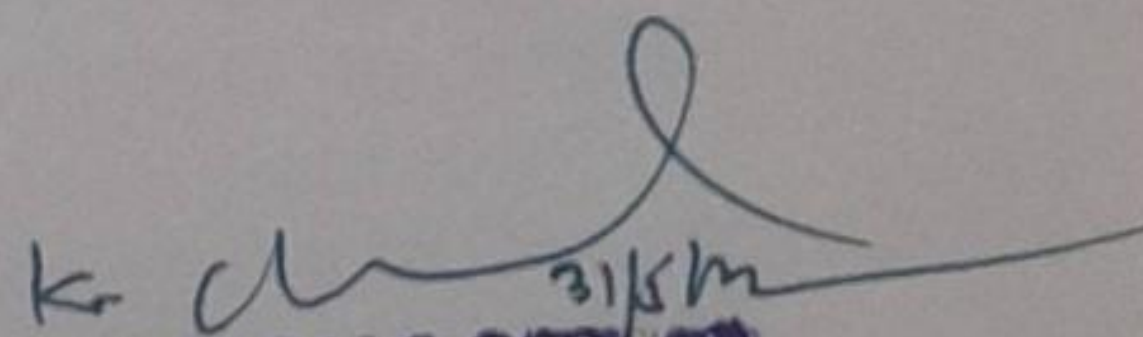
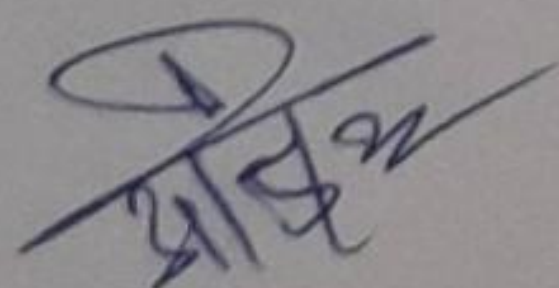


V.SELVENDRAN B.sc AVSI

(CHIEF CHEMISTRY)
(GUIDE)

CHIEF CHEMIST
M.R.K. Co-Op. Sugar Mills Ltd,
SETHIATHOPE - 608 702.

This is certified that Selvi E. AGALYA
she was undergo Project work
in our mills on 9.3.22 TO 23.3.22
only.



LABOUR WELFARE OFFICER
M.R.K. CO OP SUGAR MILLS LTD.
SETHIYATHOPE - 608 702

PROJECTWORK

**RESEARCH OF A ANALYSIS OF QUALITY AND
MOISTURE CONTENT OF CHOCOLATE - LACTO KING**

Bonafied Work Done

by AHILAMBAL.E

REG.NO:12020P14002

Project Work submitted in fulfillment of the

Requirements for the degree of

MASTER OF SCIENCE IN CHEMISTRY

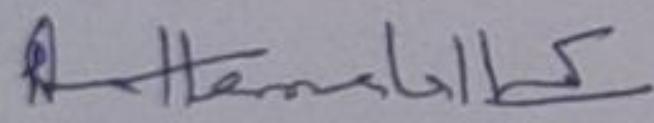
KRISHNASAMY COLLEGE OF SCIENCE ARTS & MANAGEMENT FOR WOMEN,

(NAAC ACCREDITATION 'B' GRADE)

S.KUMARAPURAM, CUDDALORE-607109

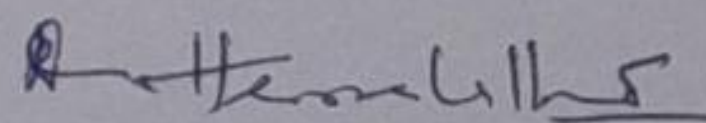
AFFILIATED TO THIRUVALLUVAR UNIVERSITY, SERKKADU,

VELLORE- 632115.



INTERNAL GUIDE

HOD - CHEMISTRY
Krishnasamy College of Science,
Arts & Management for Women,
Cuddalore - 607 109.

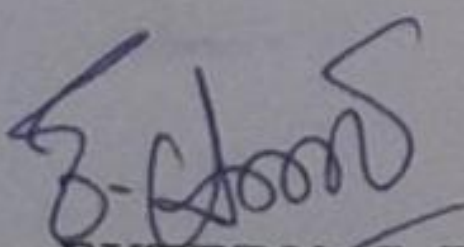


HEAD OF THE DEPARTMENT

HOD - CHEMISTRY

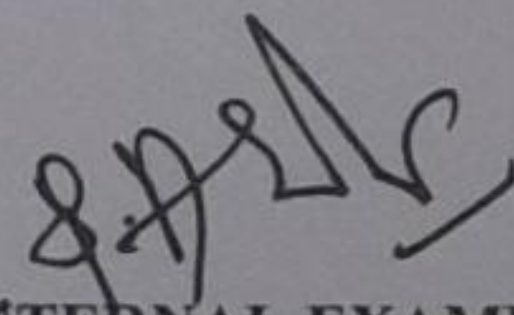
Krishnasamy College of Science,
Arts & Management for Women,
Cuddalore - 607 109.

Submitted for the Viva-Voce Examination held on 20.06.2022.



EXTERNAL EXAMINAR

G. ANAND, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.



EXTERNAL EXAMINAR

S. ALBERT NIKSON, M.Sc., M.Phil., SET.
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous),
Cuddalore - 607 001

LOTTE

LOTTE INDIA CORPORATION LIMITED

Factory : Nellikuppam - 607 105, Cuddalore District

Tamil Nadu, India, Ph : +91-4142 - 273300, 273363

15.03.2022

Nellikuppam

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms.E.AHILAMBAL, M.Sc Student of Krishnasamy College of Science, Cuddalore has undergone Project Work at Lotte India Corporation Limited, Nellikuppam from 02.03.2022 to 15.03.2022.

During the Training, she evinced keen interest in learning and her conduct was found to be good.

For LOTTE INDIA CORPORATION LIMITED



V.MURUGAN
MANAGER - HR & ADMIN

PROJECT WORK

**SYNTHESIS AND CHARACTERIZATION OF ZnO/WO₃ NANO CATALYST
FOR PHOTO CATALYTIC DEGRADATION OF METHYL ORANGE
UNDER UV LIGHT ILLUMINATION**

Bonafied work done by

DHIVYA.D

REG.NO: 12020P14003

Project Work Submitted in fulfillment of the

requirements for the degree of

MASTER OF SCIENCE IN CHEMISTRY

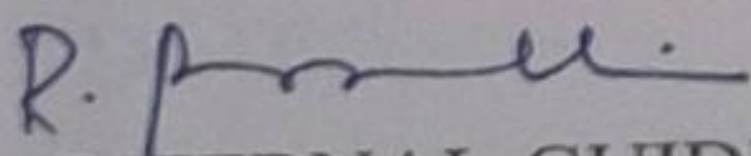
**KRISHNASAMY COLLEGE OF SCIENCE,ARTS & MANAGEMENT FOR
WOMEN**

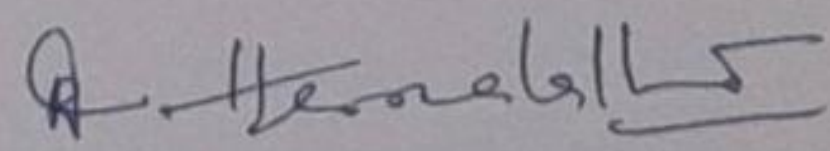
(NAAC ACCREDITATION 'B' GRADE)

S.KUMARAPURAM,CUDDALORE-605 109

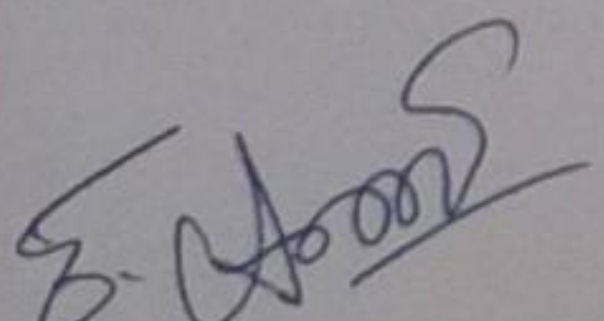
AFFILIATED TO THIRUVALLUVAR UNIVERSITY,SERKKADU,

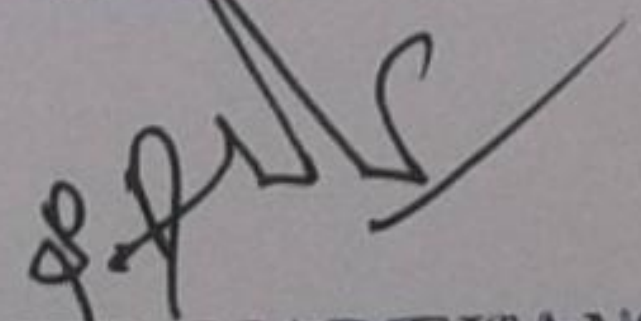
VELLORE-632 115


INTERNAL GUIDE


HEAD OF THE DEPARTMENT
HOD - CHEMISTRY
Krishnasamy College of Science,
Arts & Management for Women,
Cuddalore.

Submitted for the Viva-Voce Examination held on 20-06-2022


EXTERNAL EXAMINAR
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)

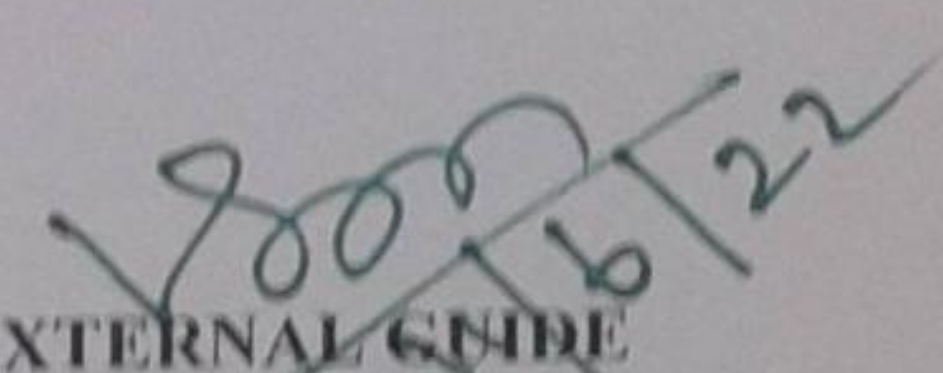

S. ALBERT ANAND, EXAMINAR
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001



UNIVERSITY COLLEGE OF ENGINEERING VILLUPURAM
(A Constitute College of Anna University, Chennai)
Kakuppam, Villupuram - 605103, Tamil Nadu

CERTIFICATE

This is to certify that this project work entitled as "SYNTHESIS AND CHARACTERIZATION OF ZnO/WO_3 NANO CATALYSTS FOR PHOTO CATALYTIC DEGRADATION OF METHYL ORANGE UNDER UV LIGHT ILLUMINATION" is a Bonafide record of the work by **DHIVYA.D (REG.NO: 12020P14003)** in partial fulfilment of requirements for the award of degree MASTER OF CHEMISTRY in **KRISHNASWAMY COLLEGE OF SCIENCE ARTS AND MANAGEMENT FOR WOMEN, CUDDALORE**. This project work is a bonafide work done during the period from 02/03/2022 to 18/03/2022 at UNIVERSITY COLLEGE OF ENGINEERING VILLUPURAM.


EXTERNAL GUIDE

Dr.V.SELVARAJ
Assistant professor,
Department of chemistry,
University College of Engineering
Villupuram.

Permitted to submit the project Report to College / University Authorities.

PROJECT WORK

**EVALUATION OF CRYSTALLIZATION EFFICIENCY IN SUGAR
PROCESSING INDUSTRY**

Bonafide Work Done

By KAMALI.M

REG.NO:12020P14004

Project Work submitted in fulfillment of the

Requirements for the degree of

MASTER OF SCIENCE IN CHEMISTRY

**KRISHNASAMY COLLEGE OF SCIENCE ARTS & MANAGEMENT FOR WOMEN,
(NAAC ACCREDITATION 'B' GRADE) S.KUMARAPURAM, CUDDALORE-607109**

AFFILIATED TO THIRUVALLUVAR UNIVERSITY, SERKKADU,

VELLORE- 632115.

INTERNAL GUIDE

Dr. C. M. MAHALAKSHMI
Asst. Professor in Chemistry
Krishnasamy College of Science Arts and
Management for Women
Cuddalore - 607 109.

HEAD OF THE DEPARTMENT
HOD - CHEMISTRY
Krishnasamy College of Science,
Arts & Management for Women,
Cuddalore - 607 109.

Submitted for the Viva-Voce Examination held on 20.06.2022.

EXTERNAL EXAMINAR
G. ANNAMALAI, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.

EXTERNAL EXAMINAR
S. ALBERT NIKSON, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001

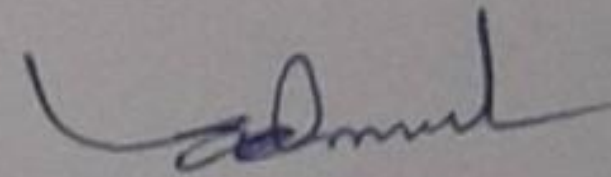
BONA FIDE CERTIFICATE

This is to certify that **KAMALI .M (REG.NO: 12020P14004)** studying her II M.SC CHEMISTRY at **KRISHNASWAMY COLLEGE OF SCIENCE, ARTS AND MANAGEMENT FOR WOMEN, CUDDALORE** affiliated to **THIRUVALLUVAR UNIVERSITY, VELLORE** has successfully completed her project work in **M.R.KRISHNAMURTHY CO-OPERATIVE SUGAR SETHIYATHOPE** from

During this period her performance and conduct was Good

DATE:

PLACE: SETHIYATHOPE



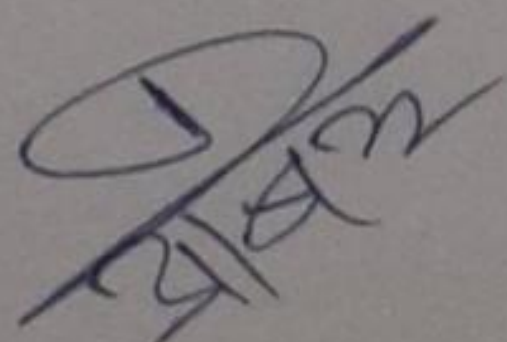
V.SELVENDRAN B.sc AVSI (CHIEF CHEMISTRY)

(GUIDE)

CHIEF CHEMIST

M.R.K. Co-Op. Sugar Mills Ltd.
SETHIATHOPE - 608 702.

This is certified that M. KAMALI
she was undergo Pro Seals work in
our mills on 9.3.22 TO 23.3.22
11 days only "



LABOUR WELFARE OFFICER
M.R.K. CO OP SUGAR MILLS LTD.
SETHIYATHOPE - 608 702

PROJECT WORK

RESEARCH OF ANALYSIS OF COAL SAMPLES – TALABIRA MINES

Bonafide work done by

KAVITHA.S

REG.NO: 12020P14005

Project Work Submitted in fulfilment of the

Requirements for the degree of

MASTER OF SCIENCE IN CHEMISTRY

KRISHNASAMY COLLEGE OF SCIENCE, ARTS & MANAGEMENT FOR WOMEN

(NAAC ACCREDITATION 'B' GRADE)

S.KUMARAPURAM, CUDDALORE – 605 109

AFFILIATED TO THIRUVALLUVAR UNIVERSITY, SERKKADU, VELLORE – 632115

M. Thenmozhi

INTERNAL GUIDE

DEPT. OF CHEMISTRY
KRISHNASAMY COLLEGE OF SCIENCE
& MANAGEMENT FOR WOMEN
KUMARAPURAM, CUDDALORE - 607 109

[Signature]

HEAD OF THE DEPARTMENT
PG & RESEARCH DEPARTMENT OF CHEMISTRY
Krishnasamy College of Science
& Management for Women
Cuddalore - 607 109.

Submitted for the Viva-Voce Examination held on

20.06.2022

[Signature]

EXTERNAL EXAMINER

G. ANAND, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.

[Signature]

INTERNAL EXAMINER

S. ALBERT NIKSON,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.



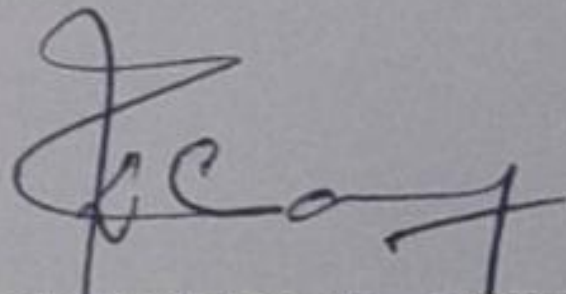
NLC INDIA LIMITED

“NAVRATNA” – A GOVERNMENT OF INDIA ENTERPRISE

NEYVELI – 607 807, TAMIL NADU

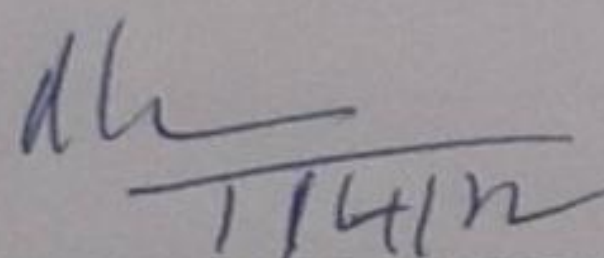
CERTIFICATE

This is to certify that this project work entitled as “ANALYSIS OF COAL SAMPLES – TALABIRA MINE” is a Bonafide record of the work by **KAVITHA. S (REG.NO: 12020P14005)** in partial fulfilment of requirements for the award of degree MASTER OF CHEMISTRY in **KRISHNASWAMY COLLEGE OF SCIENCE ARTS AND MANAGEMENT FOR WOMEN, CUDDALORE**. This project work is a bonafide work done during the period from 05/03/2022 to 01/04/2022 at NLC India Limited, Neyveli.

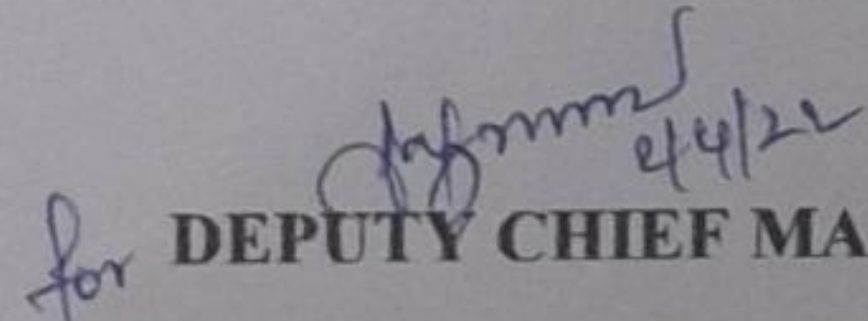

EXTERNAL GUIDE

K. SANTHOSH
MANAGER /CARD
NLC INDIA LIMITED

Permitted to submit the project Report to College / University Authorities.


GENERAL MANAGER/CARD(I/C)

NLC INDIA LIMITED, NEYVELI
GENERAL MANAGER,
Centre for Applied Research & Development,
CARD Complex, NLC India Ltd.,
NEYVELI-607 807.


for DEPUTY CHIEF MANAGER
LEARNING AND DEVELOPMENT CENTRE

(ii)

NLC INDIA LIMITED, NEYVELI.
Dr.N.GANESH
Deputy Chief Manager
Learning & Development Centre
NLC India Ltd., Neyveli.

PROJECT WORK
ENHANCEMENT OF EVAPORATION EFFECTIVENESS IN SUGAR
PROCESSING INDUSTRY

Bonafide Work Done

By KRISHNA DEVI S

REG.NO:12020P14006

Project Work submitted in fulfillment of the

Requirements for the degree of

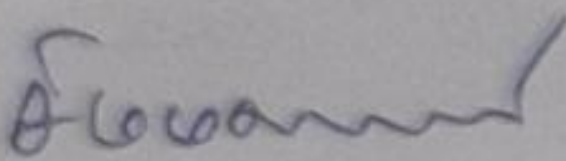
MASTER OF SCIENCE IN CHEMISTRY

KRISHNASAMY COLLEGE OF SCIENCE ARTS & MANAGEMENT FOR WOMEN,

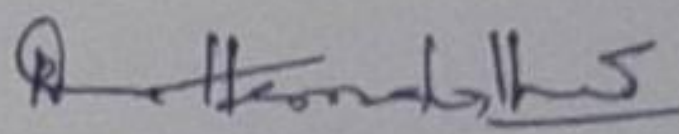
(NAAC ACCREDITATION 'B' GRADE) S.KUMARAPURAM, CUDDALORE-607109

AFFILIATED TO THIRUVALLUVAR UNIVERSITY, SERKKADU,

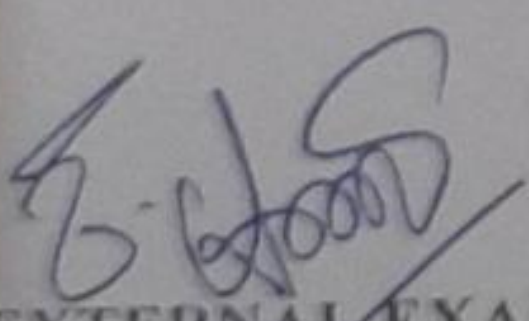
VELLORE- 632115.


INTERNAL GUIDE

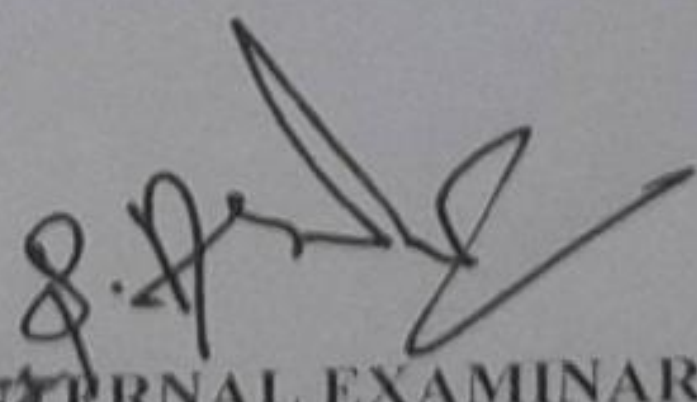
Dr. C. M. MAHALAKSHMI
Asst. Professor in Chemistry
Krishnasamy College of Science Arts and
Management for Women
Cuddalore - 607 109.


HEAD OF THE DEPARTMENT
Krishnasamy College of Science
Arts & Management for Women,
Cuddalore - 607 109.

Submitted for the Viva-Voce Examination held on 20.06.2022.


EXTERNAL EXAMINAR

G. ANAND, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.


EXTERNAL EXAMINAR

S. ALBERT NIKSON, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.

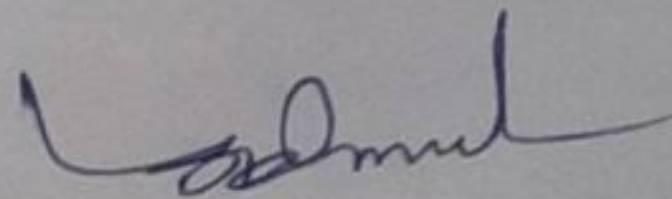
BONA FIDE CERTIFICATE

This is to certify that **KRISHNADEVI. S(REG.NO: 12020P14006)** studying her II SC CHEMISTRY at **KRISHNASWAMY COLLEGE OF SCIENCE, ARTS AND MANAGEMENT FOR WOMEN, CUDDALORE** affiliated to **THIRUVALLUVAR UNIVERSITY, VELLORE** has successfully completed her project work in **M.R.KRISHNAMURTHY CO-OPERATIVE SUGAR SETHIYATHOPE** from

During this period her performance and conduct was Good

DATE:

PLACE: SETHIYATHOPE



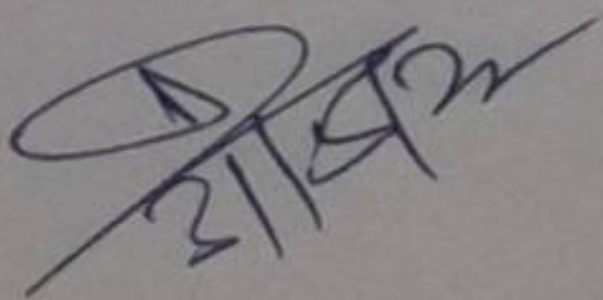
V.SELVENDRAN B.sc AVSI (CHIEF CHEMISTRY)

(GUIDE)

CHIEF CHEMIST
M.R.K. Co-Op. Sugar Mills Ltd,
SETHIATHOPE - 608 702.

This is certified that Selvi.S. Krishnadevi
she was undergo project work in
our mills on 9.3.22 TO 23.3.22
only 11 day.

||



LABOUR WELFARE OFFICE
M.R.K. CO OP SUGAR MILLS LTD
SETHIYATHOPE - 608 702

PROJECTWORK

**RESEARCH OF A ANALYSIS OF QUALITY AND
MOISTURE CONTENT OF CHOCOLATE - PLAIN CANDY**

Bonafied Work Done

by MANJU.G

REG.NO:12020P14007

Project Work submitted in fulfillment of the

Requirements for the degree of

MASTER OF SCIENCE IN CHEMISTRY

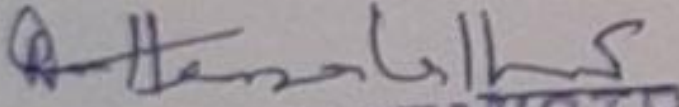
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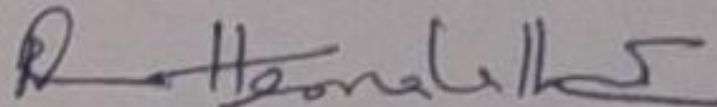
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S.KUMARAPURAM, CUDDALORE-607109

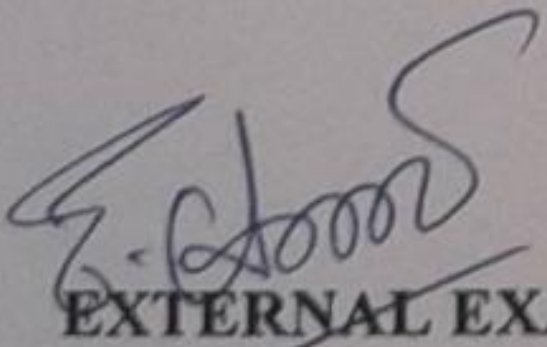
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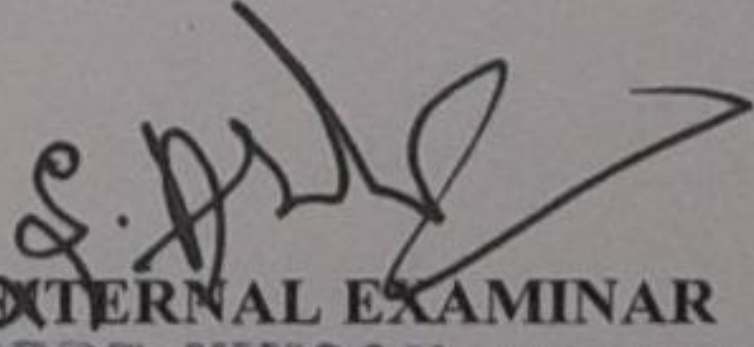
VELLORE- 632115.


INTERNAL GUIDE
Krishnasamy College of Science,
Arts & Management for Women,
Cuddalore - 607 109.


HEAD OF THE DEPARTMENT
HOD - CHEMISTRY
Krishnasamy College of Science,
Arts & Management for Women,
Cuddalore - 607 109.

Submitted for the Viva-Voce Examination held on 20.06.2022.


EXTERNAL EXAMINAR
G. ANAND, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.


EXTERNAL EXAMINAR
S. ALBERT NIKSON, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001

LOTTE

LOTTE INDIA CORPORATION LIMITED

Factory : Nellikuppam - 607 105, Cuddalore District
Tamil Nadu, India, Ph : +91-4142 - 273300, 273363

15.03.2022
Nellikuppam

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.G.MANJU**, M.Sc Student of Krishnasamy College of Science, Cuddalore has undergone Project Work at Lotte India Corporation Limited, Nellikuppam from 02.03.2022 to 15.03.2022.

During the Training, she evinced keen interest in learning and her conduct was found to be good.

For **LOTTE INDIA CORPORATION LIMITED**



V.MURUGAN
MANAGER - HR & ADMIN

PROJECT WORK

SYNTHESIS AND CHARACTERIZATION OF CuO/CeO₂ NANO CATALYST FOR
PHOTO CATALYTIC DEGRADATION OF METHYL ORANGE UNDER SUN
LIGHT ILLUMINATION

Bonafied work done by

MUTHAMILDEVI

REG.NO: 12020P14008

Project Work Submitted in fulfillment of the

requirements for the degree of

MASTER OF SCIENCE IN CHEMISTRY

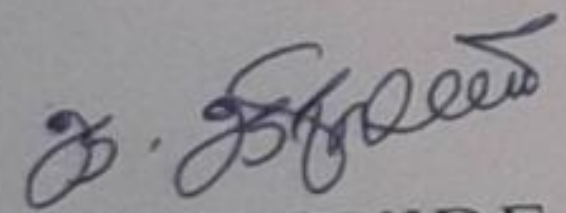
KRISHNASAMY COLLEGE OF SCIENCE, ARTS & MANAGEMENT FOR
WOMEN

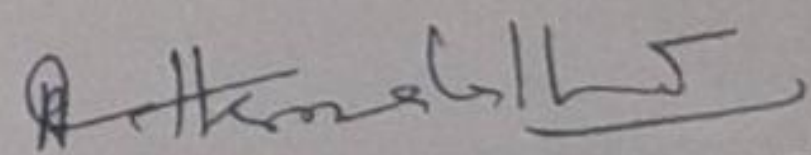
(NAAC ACCREDITATION 'B' GRADE)

S.KUMARAPURAM, CUDDALORE-605 109

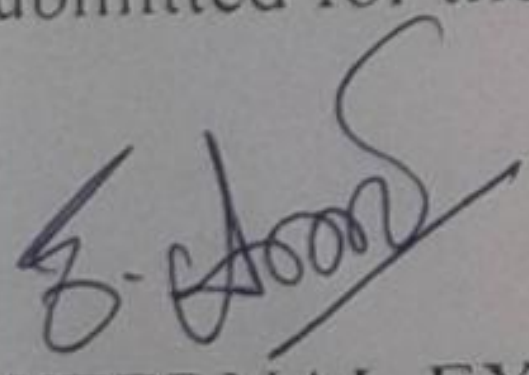
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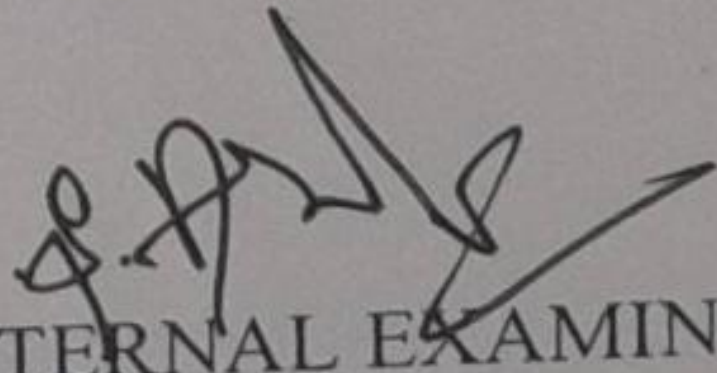
VELLORE-632 115


INTERNAL GUIDE
[A. ADHILARSHMI]


HEAD OF THE DEPARTMENT
HOD - CHEMISTRY
Krishnasamy College of Science,
Arts & Management for Women,
Cuddalore - 607 109.

Submitted for the Viva-Voce Examination held on 20.06.2022


EXTERNAL EXAMINAR
G. ANAND, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.

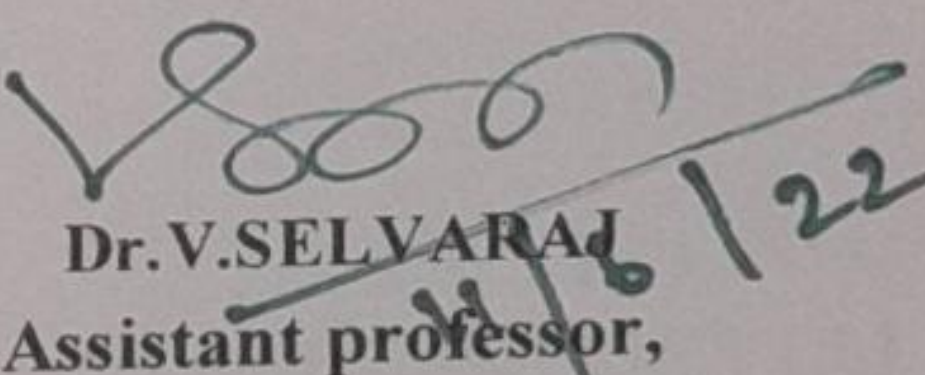

INTERNAL EXAMINAR
S. A. R. NELSON, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.



UNIVERSITY COLLEGE OF ENGINEERING VILLUPURAM
(A Constitute College of Anna University, Chennai)
Kakuppam, Villupuram – 605103, Tamil Nadu

CERTIFICATE

This is to certify that this project work entitled as “**SYNTHESIS OF CeO₂/CuO NANO CATALYSTS FOR PHOTO CATALYTIC DEGRADATION OF METHYL ORANGE UNDER SUNLIGHT ILLUMINATION**” is a Bonafide record of the work by **MUTHAMILDEVI.M (REG.NO: 12020P14008)** in partial fulfilment of requirements for the award of degree **MASTER OF CHEMISTRY** in **KRISHNASWAMY COLLEGE OF SCIENCE ARTS AND FOR WOMEN, CUDDALORE**. This project work is a bonafide work done during the period from 02/03/2022 to 18/03/2022 at **UNIVERSITY COLLEGE OF ENGINEERING VILLUPURAM**.


Dr. V.SELVARAJ
Assistant professor,
Department of chemistry,
University College of Engineering
Villupuram.

Permitted to submit the project Report to College / University Authorities.

PROJECTWORK

**RESEARCH OF A ANALYSIS OF QUALITY AND
MOISTURE CONTENT OF CHOCOLATE - COFFEE BITE**

Bonafied Work Done

by NARMATHA.T

REG.NO:12020P14009

Project Work submitted in fulfillment of the

Requirements for the degree of

MASTER OF SCIENCE IN CHEMISTRY

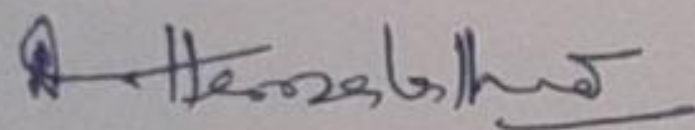
KRISHNASAMY COLLEGE OF SCIENCE ARTS & MANAGEMENT FOR WOMEN,

(NAAC ACCREDITATION 'B' GRADE)

S.KUMARAPURAM, CUDDALORE-607109

AFFILIATED TO THIRUVALLUVAR UNIVERSITY, SERKKADU,

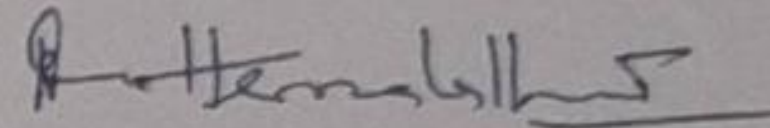
VELLORE- 632115.



INTERNAL GUIDE

HOD - CHEMISTRY

Krishnasamy College of Science,
Arts & Management for Women,
Cuddalore - 607 109.

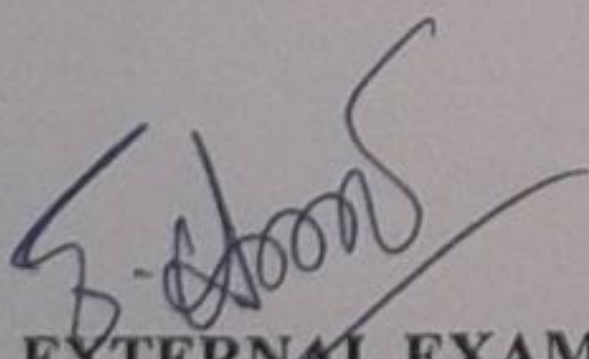


HEAD OF THE DEPARTMENT

HOD - CHEMISTRY

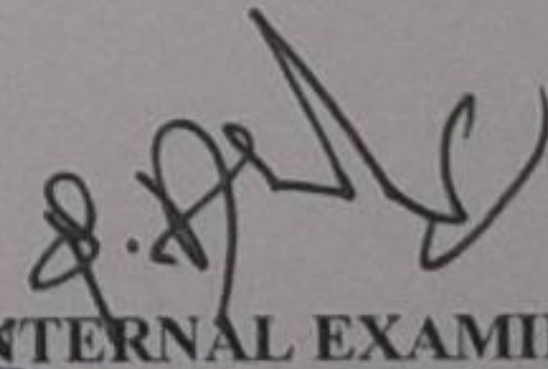
Krishnasamy College of
Arts & Management for
Cuddalore - 607 109.

Submitted for the Viva-Voce Examination held on 20.06.2022.



EXTERNAL EXAMINAR

G. ANAND, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.



EXTERNAL EXAMINAR

S. ALBERT NIKSON, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.

LOTTE

LOTTE INDIA CORPORATION LIMITED

Factory : Nellikuppam - 607 105, Cuddalore District

Tamil Nadu, India, Ph : +91-4142 - 273300, 273363

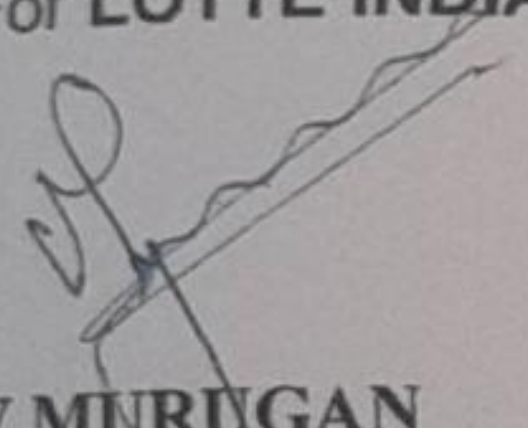
15.03.2022
Nellikuppam

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.T.NARMATHA**, M.Sc Student of Krishnasamy College of Science, Cuddalore has undergone Project Work at Lotte India Corporation Limited, Nellikuppam from 02.03.2022 to 15.03.2022.

During the Training, she evinced keen interest in learning and her conduct was found to be good.

For **LOTTE INDIA CORPORATION LIMITED**


V.MURUGAN
MANAGER - HR & ADMIN

PROJECTWORK

RESEARCH OF A ANALYSIS OF QUALITY AND
MOISTURE CONTENT OF CHOCOLATE - ECLAIRS

Bonafied Work Done

by POORNIMA.R

REG.NO:12020P14010

Project Work submitted in fulfillment of the

Requirements for the degree of

MASTER OF SCIENCE IN CHEMISTRY

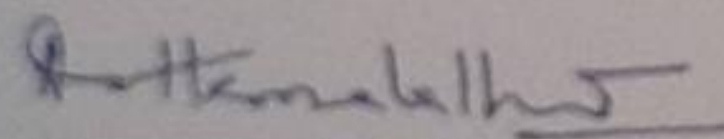
KRISHNASAMY COLLEGE OF SCIENCE ARTS & MANAGEMENT FOR WOMEN,

(NAAC ACCREDITATION 'B' GRADE)

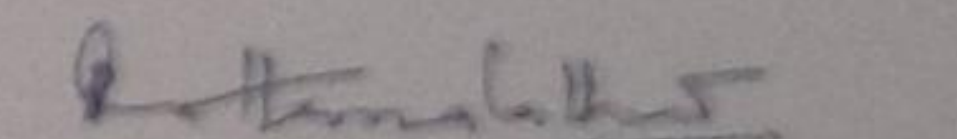
S.KUMARAPURAM, CUDDALORE-607109

AFFILIATED TO THIRUVALLUVAR UNIVERSITY, SERKKADU,

VELLORE- 632115.

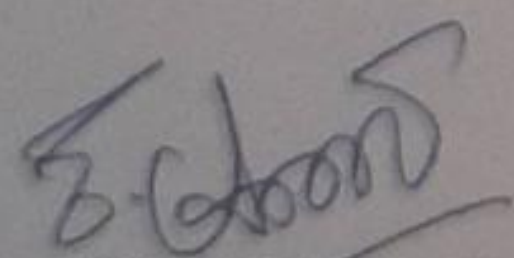

INTERNAL GUIDE

HOD - CHEMISTRY
Krishnasamy College of Science,
Arts & Management for Women,
Cuddalore - 607 109.

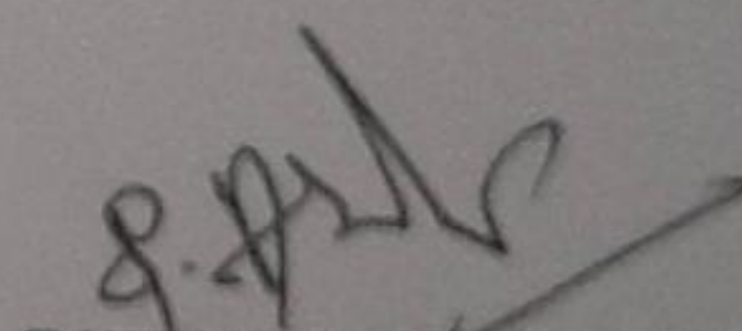

HEAD OF THE DEPARTMENT

HOD - CHEMISTRY
Krishnasamy College of Science,
Arts & Management for Women,
Cuddalore - 607 109.

Submitted for the Viva-Voce Examination held on 20.06.2022


EXTERNAL EXAMINAR

G. ANAND, M.Sc., M.Phil., SET,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.


EXTERNAL EXAMINAR

S. ALBERT NIKSON, M.Sc., M.Phil., SET,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.

LOTTE

LOTTE INDIA CORPORATION LIMITED

Factory : Nellikuppam - 607 105, Cuddalore District

Tamil Nadu, India, Ph : +91-4142 - 273300, 273363

15.03.2022

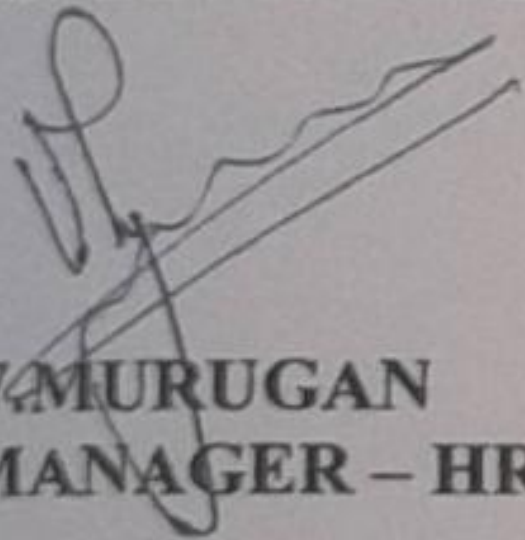
Nellikuppam

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.R.POORNIMA**, M.Sc Student of Krishnasamy College of Science, Cuddalore has undergone Project Work at Lotte India Corporation Limited, Nellikuppam from 02.03.2022 to 15.03.2022.

During the Training, she evinced keen interest in learning and her conduct was found to be good.

For **LOTTE INDIA CORPORATION LIMITED**



V. MURUGAN
MANAGER - HR & ADMIN

PROJECTWORK

ANALYSIS OF REDUCING SUGAR IN SUGARCANE

Bonafide Work Done

By SATHIYA.R

REG.NO:12020P14011

Project Work submitted in fulfillment of the

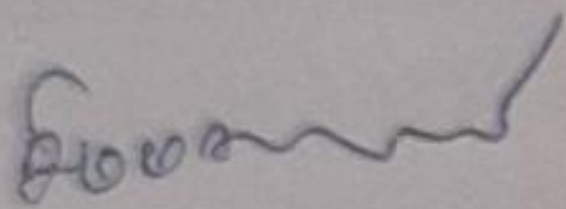
Requirements for the degree of

MASTER OF SCIENCE IN CHEMISTRY

**KRISHNASAMY COLLEGE OF SCIENCE ARTS & MANAGEMENT FOR WOMEN,
(NAAC ACCREDITATION 'B' GRADE) S.KUMARAPURAM, CUDDALORE-607109**

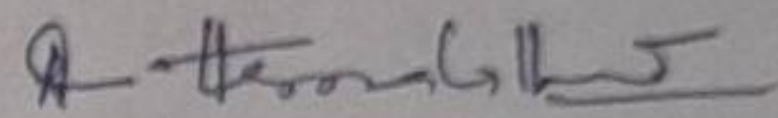
AFFILIATED TO THIRUVALLUVAR UNIVERSITY, SERKKADU,

VELLORE- 632115.



INTERNAL GUIDE

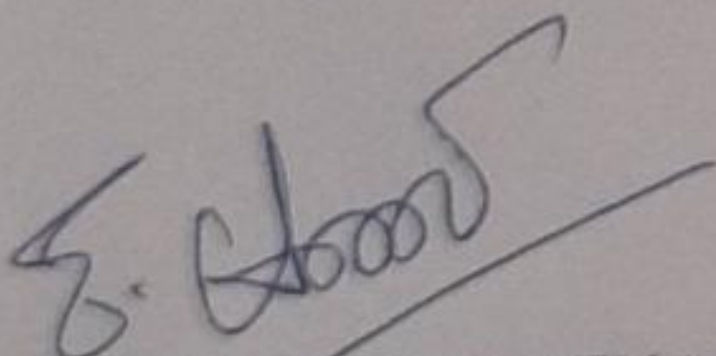
Dr. C. M. MAHALAKSHMI
Asst. Professor in Chemistry
Krishnasamy College of Science Arts and
Management for Women
Cuddalore - 607 109.



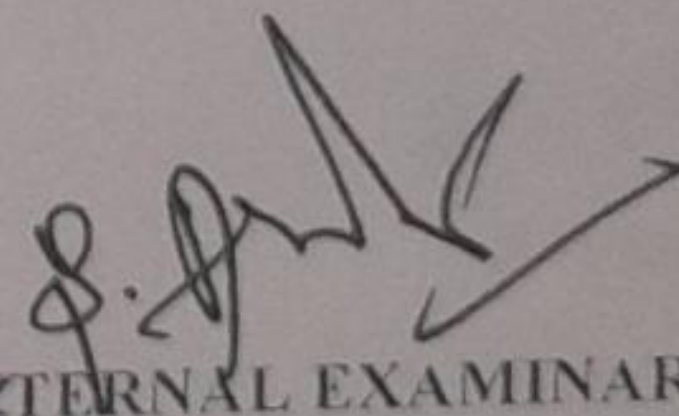
HEAD OF THE DEPARTMENT
HOD - CHEMISTRY

Krishnasamy College of Science,
Arts & Management for Women,
Cuddalore - 607 109.

Submitted for the Viva-Voce Examination held on 20.06.2022.



EXTERNAL EXAMINAR
G. ANAND, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.



INTERNAL EXAMINAR
S. ALBERT NIKSON, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.

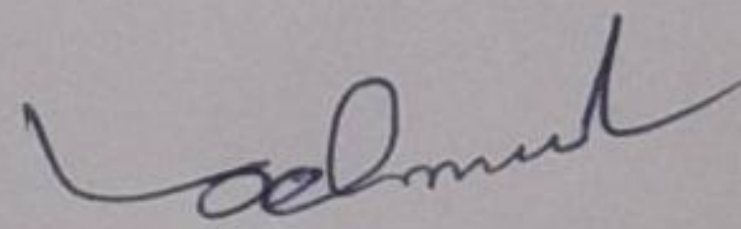
BONAFIDE CERTIFICATE

This is to certify that **SATHIYA.R(REG.NO: 12020P14011)** studying her II M.SC CHEMISTRY at **KRISHNASWAMY COLLEGE OF SCIENCE, ARTS AND MANAGEMENT FOR WOMEN, CUDDALORE** affiliated to **THIRUVALLUVAR UNIVERSITY, VELLORE** has successfully completed her project work in **M.R.KRISHNAMURTHY CO-OPERATIVE SUGAR MILL SETHIYATHOPE** from

During this period her performance and conduct was Good

DATE:

PLACE: SETHIYATHOPE

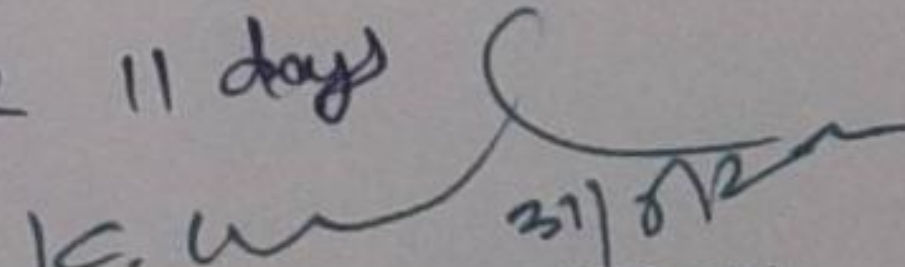
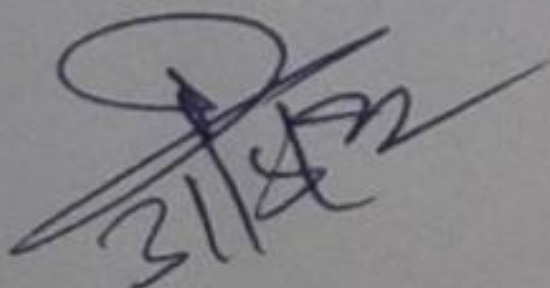


V.SELVENDRAN B.sc AVSI (CHIEF CHEMISTRY)

(GUIDE)

CHIEF CHEMIST
M.R.K. Co-Op. Sugar Mills Ltd
SETHIATHOPE - 608 702.

This is certified that Selvi R. Sathiyar
she was undergo project work in
our mill on 9.3.22 TO 23.3.22 11 days
only



LABOUR WELFARE OFFICER
M.R.K. CO OP SUGAR MILLS LTD
SETHIYATHOPE - 608 702

PROJECT WORK

SYNTHESIS AND CHARACTERIZATION OF CuO/WO_3 NANO CATALYST FOR
PHOTO CATALYTIC DEGRADATION OF METHYL ORANGE UNDER SUN
LIGHT ILLUMINATION

Bonafied work done by

SNEHA.S

REG.NO: 12020P14012

Project Work Submitted in fulfillment of the

requirements for the degree of

MASTER OF SCIENCE IN CHEMISTRY

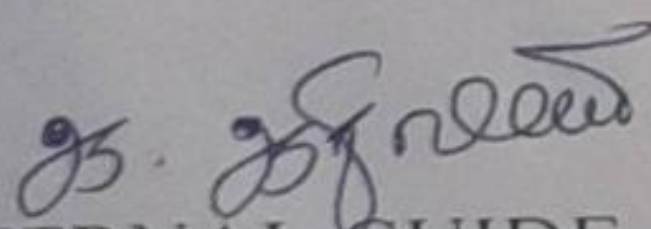
KRISHNASAMY COLLEGE OF SCIENCE, ARTS & MANAGEMENT FOR
WOMEN

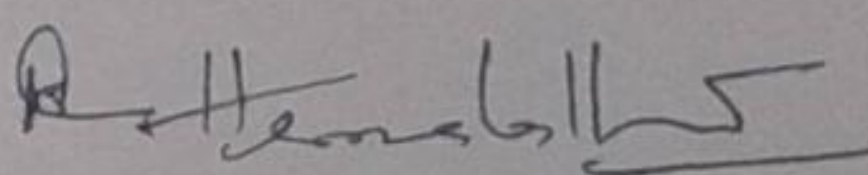
(NAAC ACCREDITATION 'B' GRADE)

S.KUMARAPURAM, CUDDALORE-605 109

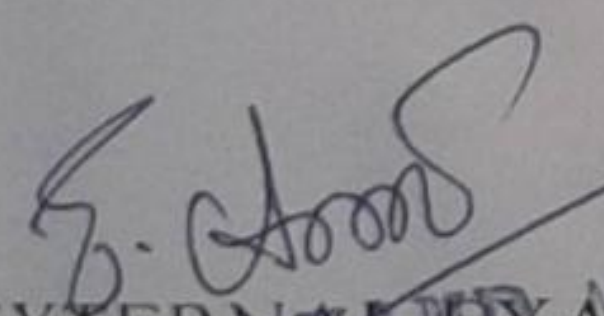
AFFILIATED TO THIRUVALLUVAR UNIVERSITY, SERKKADU,

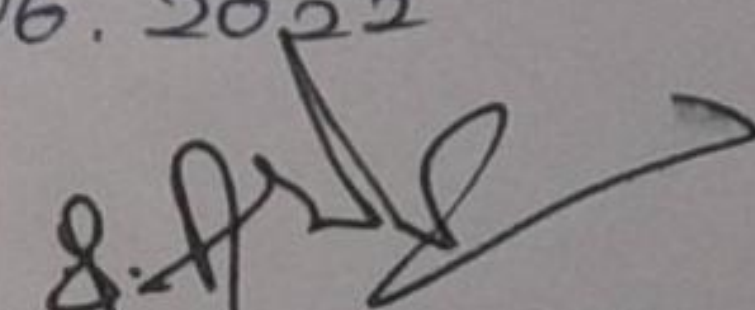
VELLORE-632 115


INTERNAL GUIDE
[A. ADHILAKSHMI]


HEAD OF THE DEPARTMENT
HOD - CHEMISTRY
Krishnasamy College of Science,
Arts & Management for Women,
Cuddalore - 607 109.

Submitted for the Viva-Voce Examination held on 20.06.2022


EXTERNAL EXAMINER
G. NARAYANAN, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.

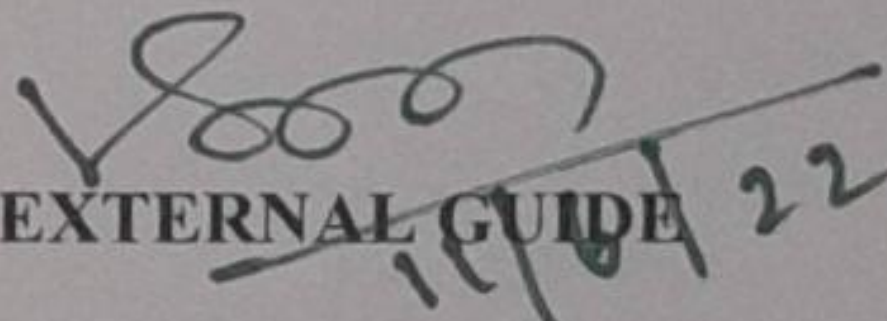

INTERNAL EXAMINER
S. ALBERT WILSON, AMINAR, SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.



UNIVERSITY COLLEGE OF ENGINEERING VILLUPURAM
(A Constitute College of Anna University, Chennai)
Kakuppam, Villupuram – 605103, Tamil Nadu

CERTIFICATE

This is to certify that this project work entitled as “**SYNTHESIS AND CHARACTERIZATION OF CuO/WO_3 NANO CATALYSTS FOR PHOTO CATALYTIC DEGRADATION OF METHYL ORANGE UNDER SUN LIGHT ILLUMINATION**” is a Bonafide record of the work by **SNEHA.S (REG.NO: 12020P14012)** in partial fulfilment of requirements for the award of degree **MASTER OF CHEMISTRY** in **KRISHNASWAMY COLLEGE OF SCIENCE ARTS AND MANAGEMENT FOR WOMEN, CUDDALORE**. This project work is a bonafide work done during the period from 02/03/2022 to 18/03/2022 at UNIVERSITY COLLEGE OF ENGINEERING VILLUPURAM.


EXTERNAL GUIDE

Dr.V.SELVARAJ
Assistant professor,
Department of chemistry,
University College of Engineering
Villupuram.

Permitted to submit the project Report to College / University Authorities.

PROJECTWORK

SYNTHESIS AND CHARACTERISATION OF POLYANILINE AND GRAPHITE NANOPARTICLES USING NICKEL BY DIRECT METHANOL FUEL CELL

Bonafied Work Done by

SUBASHINI. K

REG.NO:12020P14013

Project Work submitted in fulfillment of the

Requirements for the degree of

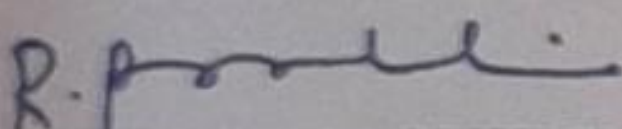
MASTER OF SCIENCE IN CHEMISTRY

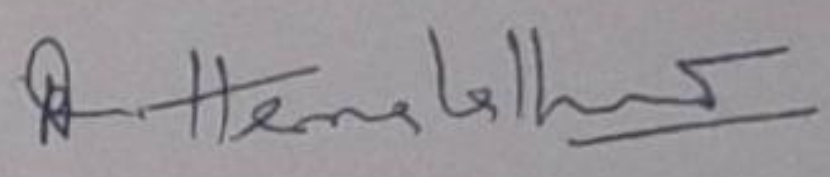
KRISHNASAMY COLLEGE OF SCIENCE ARTS & MANAGEMENT FOR WOMEN,

(NAAC ACCREDITATION 'B' GRADE) S.KUMARAPURAM, CUDDALORE-607109

AFFILIATED TO THIRUVALLUVAR UNIVERSITY, SERKKADU,

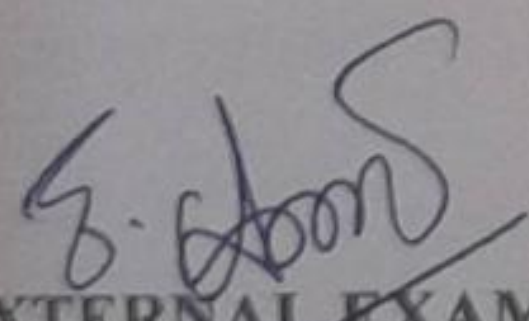
VELLORE- 632115.


INTERNAL GUIDE

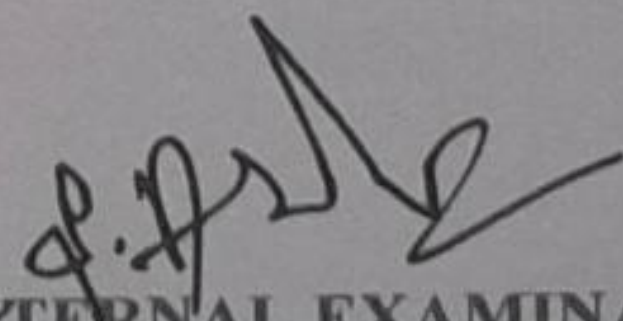

HEAD OF THE DEPARTMENT

HCD - CHEMISTRY
Krishnasamy College of Science,
Arts & Management for Women,
Cuddalore - 607 109.

Submitted for the Viva-Voce Examination held on 20.06.2022.


EXTERNAL EXAMINAR

G. ANAND, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous),
Cuddalore - 607 001.


EXTERNAL EXAMINAR

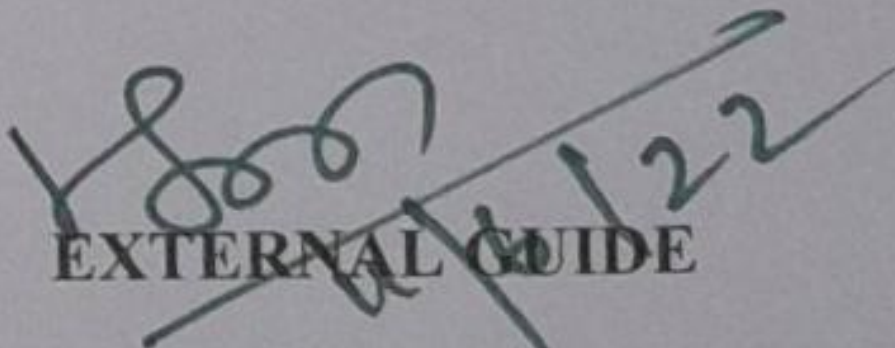
S. ALBERT NIKSON, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001



UNIVERSITY COLLEGE OF ENGINEERING VILLUPURAM
(A Constitute College of Anna University, Chennai)
Kakuppam, Villupuram – 605103, Tamil Nadu

CERTIFICATE

This is to certify that this project work entitled as “**SYNTHESIS AND CHARACTERISATION OF POLYANILINE AND GRAPHITE NANOPARTICLES USING NICKLE BY DIRECT METHANOL FUEL CELL**” is a Bonafide record of the work by **SUBASHINI.K (REG.NO: 12020P14013)** in partial fulfilment of requirements for the award of degree **MASTER OF CHEMISTRY** in **KRISHNASWAMY COLLEGE OF SCIENCE ARTS AND MANAGEMENT FOR WOMEN, CUDDALORE**. This project work is a bonafide work done during the period from 02/03/2022 to 18/03/2022 at UNIVERSITY COLLEGE OF ENGINEERING VILLUPURAM.


EXTERNAL GUIDE

Dr.V.SELVARAJ
Assistant professor,
Department of chemistry,
University College of Engineering
Villupuram.

Permitted to submit the project Report to College / University Authorities.

PROJECT WORK

RESEARCH OF ANALYSIS OF COAL SAMPLES – MINERAL EXPLORATION
CORPORATION LIMITED

Bonafide work done by

SUBHASRI.P.V

REG.NO: 12020P14014

Project Work Submitted in fulfilment of the

Requirements for the degree of

MASTER OF SCIENCE IN CHEMISTRY

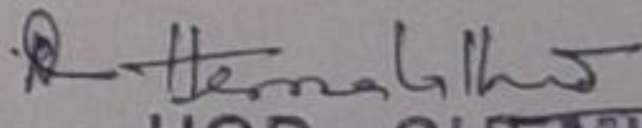
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(NAAC ACCREDITATION 'B' GRADE)

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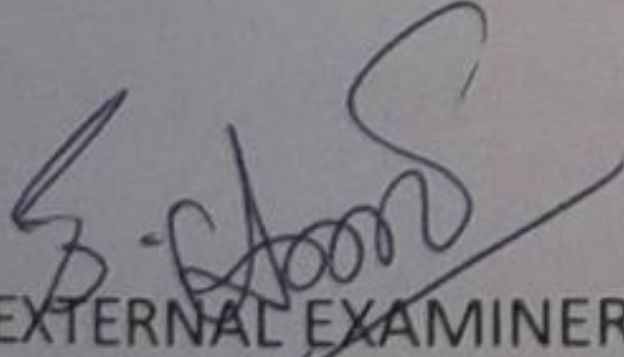
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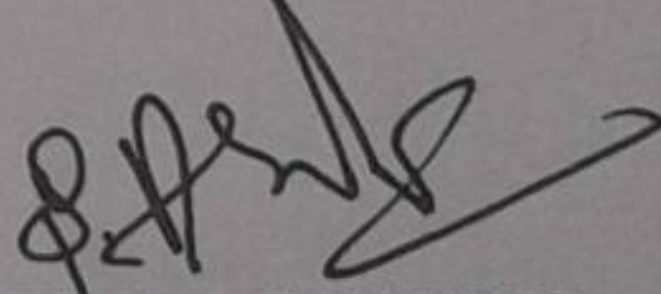

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HOD - CHEMISTRY
Krishnasamy College of Science,
Arts & Management for Women,
Cuddalore - 607 109.

Submitted for the Viva-Voce Examination held on

20.06.2022


EXTERNAL EXAMINER

G. ANAND, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.


INTERNAL EXAMINER
S. ALBERT NIKSON, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001

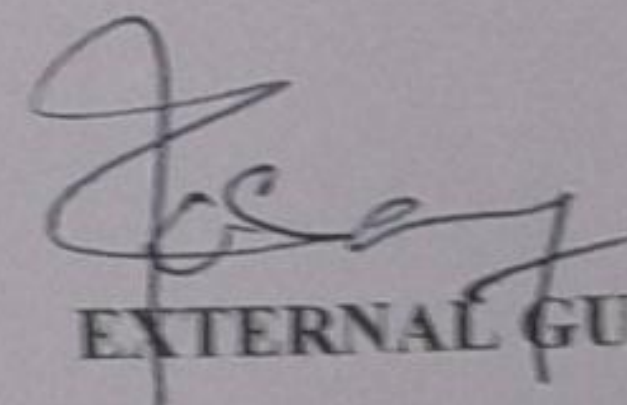


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ENTERPRISES NEYVELI – 607 807, TAMIL NADU

CERTIFICATE

This is to certify that this project work entitled as "ANALYSIS OF COAL SAMPLES - MECL" is a Bonafide record of the work by SUBHASRI.P.V (REG.NO: 12020P14014) in partial fulfilment of requirements for the award of degree MASTER OF CHEMISTRY in KRISHNASWAMY COLLEGE OF SCIENCE, ARTS AND MANAGEMENT FOR WOMEN, CUDDALORE. This project work is a bonafide work done during the period from 05/03/2022 to 01/04/2022 at NLC India Limited, Neyveli.

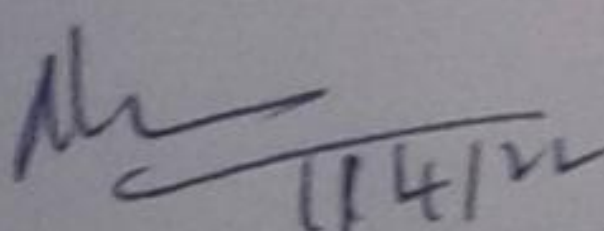

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K. SANTHOSH

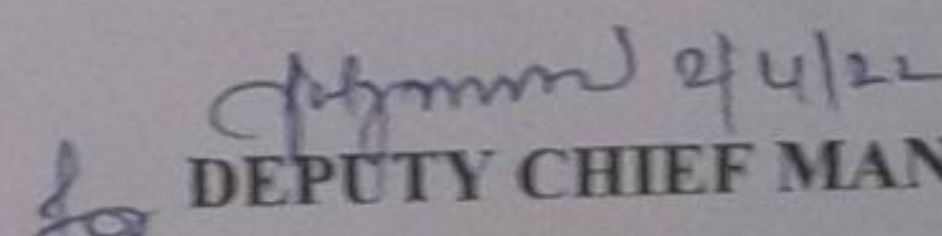
MANAGER /CARD

NLC INDIA LIMITED

Permitted to submit the project Report to College / University Authorities.


11/4/22
GENERAL MANAGER/CARD(I/C)

NLC INDIA LIMITED, NEYVELI
GENERAL MANAGER,
Centre for Applied Research & Development,
CARD Complex, NLC India Ltd.,
NEYVELI-607 807 ✓


for DEPUTY CHIEF MANAGER
LEARNING AND DEVELOPMENT CENTRE

(ii)

NLC INDIA LIMITED, NEYVELI.
Dr.N.GANESH
Deputy Chief Manager
Learning & Development Centre
NLC India Ltd., Neyveli.

PROJECTWORK

SYNTHESIS AND CHARACTERISATION OF POLYANILINE AND GRAPHITE NANOPARTICLES USING NICKEL BY DIRECT ETHANOL FUEL CELL

Bonafied Work Done by

SUPRIYA. A

REG.NO:12020P14015

Project Work submitted in fulfillment of the

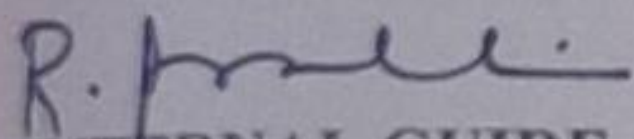
Requirements for the degree of

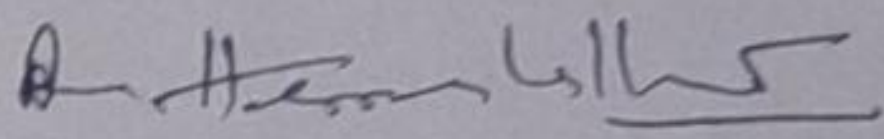
MASTER OF SCIENCE IN CHEMISTRY

**KRISHNASAMY COLLEGE OF SCIENCE ARTS & MANAGEMENT FOR WOMEN,
(NAAC ACCREDITATION 'B' GRADE) S.KUMARAPURAM, CUDDALORE-607109**

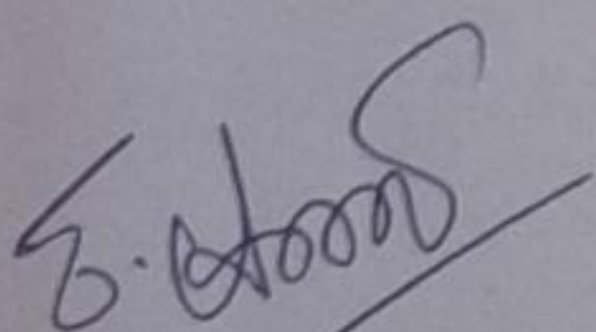
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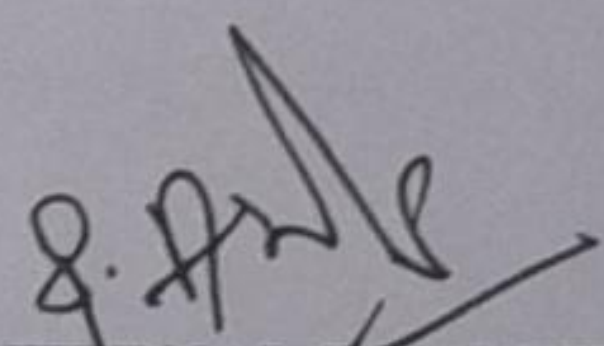
VELLORE- 632115.


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**HEAD OF THE DEPARTMENT
HOD - CHEMISTRY**
Krishnasamy College of Science,
Arts & Management for Women
Cuddalore - 607 109

Submitted for the Viva-Voce Examination held on 20.06.2022.


EXTERNAL EXAMINAR
G. ANAND, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.

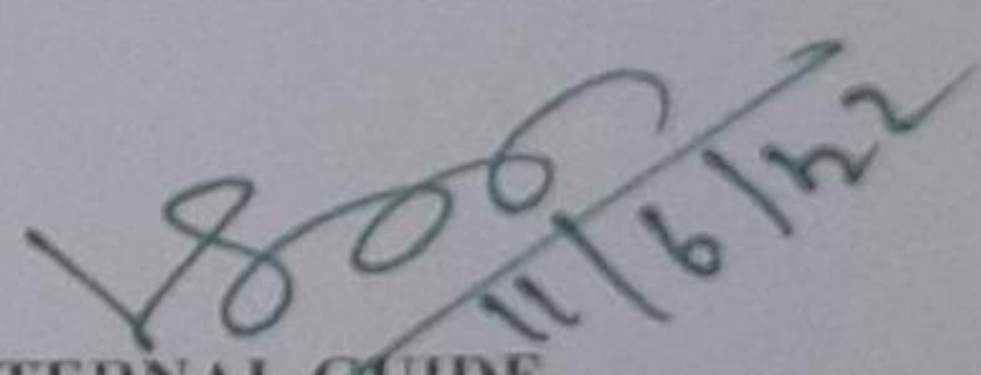

EXTERNAL EXAMINAR
S. ALBERT NIKSON, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science
Cuddalore - 607 001.



UNIVERSITY COLLEGE OF ENGINEERING VILLUPURAM
(A Constitute College of Anna University, Chennai)
Kakuppam, Villupuram - 605103, Tamil Nadu

CERTIFICATE

This is to certify that this project work entitled as "SYNTHESIS AND CHARACTERISATION OF POLYANILINE AND GRAPHITE NANOPARTICLES USING NIKCLE BY DIRECT ETHANOL FUEL CELL" is a Bonafide record of the work by SUPRIYA.A (REG.NO: 12020P14015) in partial fulfilment of requirements for the award of degree MASTER OF CHEMISTRY in KRISHNASWAMY COLLEGE OF SCIENCE ARTS AND MANAGEMENT FOR WOMEN, CUDDALORE. This project work is a bonafide work done during the period from 02/03/2022 to 18/03/2022 at UNIVERSITY COLLEGE OF ENGINEERING VILLUPURAM.


EXTERNAL GUIDE

Dr.V.SELVARAJ
Assistant professor,
Department of chemistry,
University College of Engineering
Villupuram.

Permitted to submit the project Report to College / University Authorities.

PROJECT WORK

**RESEARCH OF ANALYSIS OF COAL SAMPLES – METTUR THERMAL
POWER STATION**

Bonafide work done by

THAIYALNAYAGI.J

REG.NO: 12020P14016

Project Work Submitted in fulfilment of the

Requirements for the degree of

MASTER OF SCIENCE IN CHEMISTRY

KRISHNASAMY COLLEGE OF SCIENCE, ARTS & MANAGEMENT FOR WOMEN

(NAAC ACCREDITATION 'B' GRADE)

S.KUMARAPURAM, CUDDALORE – 605 109

AFFILIATED TO THIRUVALLUVAR UNIVERSITY, SERKKADU, VELLORE – 632115

M. Thenmozhi
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& MANAGEMENT FOR WOMEN
KUMARAPURAM CUDDALORE - 607 109

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HOD - CHEMISTRY
HEAD OF THE DEPARTMENT
Krishnasamy Department of Science,
Arts & Management for Women,
Cuddalore - 607 109.

Submitted for the Viva-Voce Examination held on

20.06.2022

[Signature]
EXTERNAL EXAMINER

G. ANAND, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.

[Signature]
INTERNAL EXAMINER
S. ALBERT NIKSON, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001



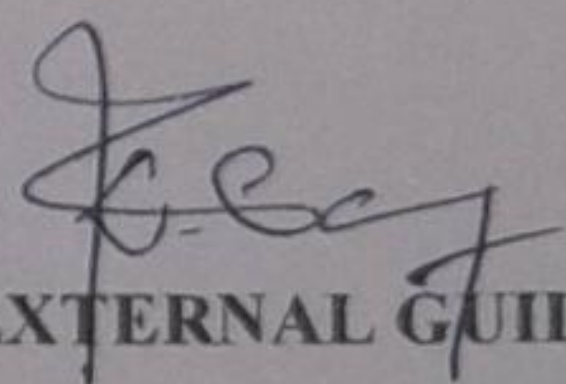
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CERTIFICATE

This is to certify that this project work entitled as "ANALYSIS OF COAL SAMPLES – Mettur Thermal Power Station" is a Bonafide record of the work by THAIYALNAYAGI.J (REG.NO: 12020P14016) in partial fulfilment of requirements for the award of degree MASTER OF CHEMISTRY in KRISHNASWAMY COLLEGE OF SCIENCE, ARTS AND MANAGEMENT FOR WOMEN, CUDDALORE. This project work is a bonafide work done during the period from 05/03/2022 to 01/04/2022 at NLC India Limited, Neyveli.

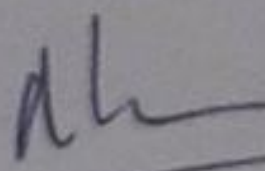

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K. SANTHOSH

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NLC INDIA LIMITED

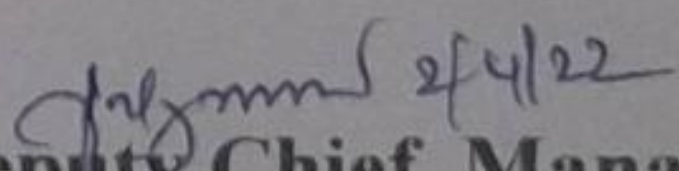
Permitted to submit the project Report to College / University Authorities.


114122

General Manager/CARD(I/C)

NLC INDIA Limited, Neyveli

GENERAL MANAGER,
Centre for Applied Research & Development,
CARD Complex, NLC India Ltd.,
NEYVELI-607 807.


for Deputy Chief Manager

Learning and Development centre

NLC INDIA Limited, Neyveli

(ii) Dr.N.GANESH
Deputy Chief Manager
Learning & Development Centre
NLC India Ltd., Neyveli.

PROJECT WORK

**SYNTHESIS AND CHARACTERIZATION OF ZnO/CeO₂
NANOCATALYST FOR PHOTO CATALYTIC DEGRADATION
OF METHYL ORANGE UNDER UV LIGHT ILLUMINATION**

Bonafied Work Done by

VISHALLE

REG.NO:12020P14017

Project Work submitted in fulfilment of the

requirements for the degree of

MASTER OF SCIENCE IN CHEMISTRY

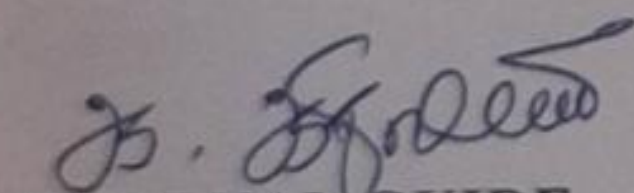
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(NAAC ACCREDITATION 'B' GRADE)

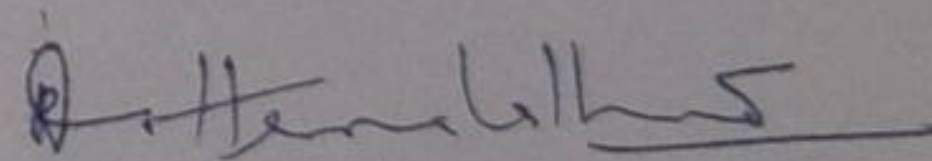
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AFFILIATED TO THIRUVALLUVAR UNIVERSITY, SERKKADU,

VELLORE- 632115.


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[A. ADHILAKSHMI]

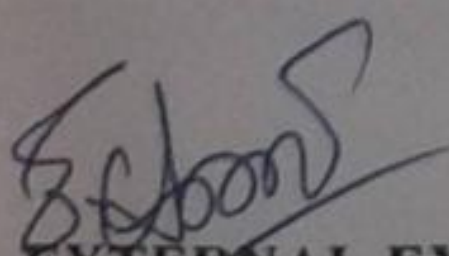


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HOD - CHEMISTRY

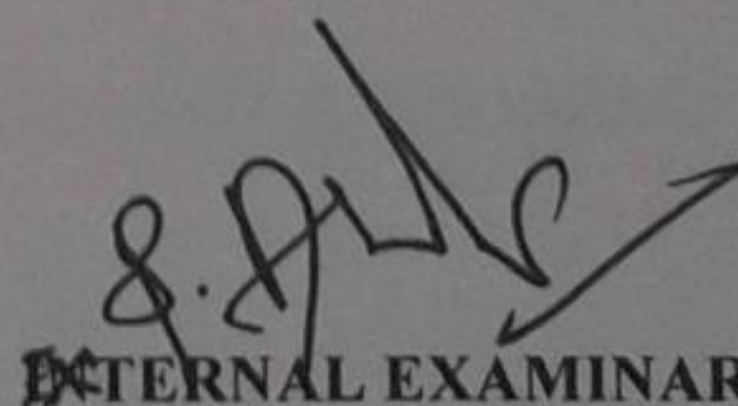
**Krishnasamy College of Science,
Arts & Management for Women,
Cuddalore - 607 109.**

Submitted for the Viva- Voce Examination held on 20.06.2020.



EXTERNAL EXAMINAR

G. ANAND, M.Sc., M.Phil., SET.,
Assistant Professor
PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)
Cuddalore - 607 001.



EXTERNAL EXAMINAR

S. ALBERT NIKSON, M.Sc., M.Phil., SET.,
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PG & Research Department of Chemistry
St. Joseph's College of Arts & Science (Autonomous)



UNIVERSITY COLLEGE OF ENGINEERING VILLUPURAM
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Kakuppam, Villupuram – 605103, Tamil Nadu

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V. Selvaraj
11/6/22

EXTERNAL GUIDE

Dr.V.SELVARAJ
Assistant professor,
Department of chemistry,
University College of Engineering
Villupuram.

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