

**GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)****KUMBAKONAM – 612 001***Affiliated to Bharathidasan University***DST - CURIE Sponsored Institution****IV Cycle of Accreditation**

☎ 0435 – 2401391

✉ principal@gcw.ac.in



**RESEARCH PROJECT DETAILS**  
**DEPARTMENT OF GEOGRAPHY- 2018-2019**

SL.No	ROLL NUMBER	NAME	DETAILS OF ACTIVITY
1	P17GE001	GOWTHAMI.R	A STUDY ON CROPPING PATTERN AND CROP COMBINATION IN THANJAVUR DISTRICT - 2009-2017
2	P17GE002	PONMANI.R	AN ANALYSIS OF CROPPING PATTERN AND ITS CHANGES IN CUDDALORE DISTRICT - 2009-2017
3	P17GE003	ABINAYA.M	ECOLOGICAL IMPORTANCE OF MANGROVES AND ITS TOURISM VALUE IN PICHAVARAM- A CASE STUDY
4	P17GE004	ABIRAMA SUNDARI.S	A STUDY ON MOBILE PHONE USAGE AMONG THE COLLEGE GOING GIRLS IN KUMBAKONAM TALUK.
5	P17GE005	MONISHA.K	A STUDY ON DISTRIBUTION OF SOIL IN THANJAVUR DISTRICT.
6	P17GE006	ABINAYA.C	AN ANALYSIS OF THE GENERAL LAND USE PATTERN THANJAVUR DISTRICT USING GIS TECHNIQUES 2007-2017
7	P17GE007	ELAVARASI.R	A STUDY ON THE LAND VALUE OF NAGAPATTINAM TOWN (2006-2015)
8	P17GE008	PRIDHARSHINI.N	URBANIZATION AND OCCUPATIONAL CHARACTERISTICS OF URBAN CENTRES IN THANJAVUR DISTRICT USING GIS TECHNIQUES
9	P17GE009	SASIKALA.S	SPATIO-TEMPORAL ANALYSIS OF RAINFALL PATTERN IN THANJAVUR DISTRICT TAMIL NADU (1998-2015)
10	P17GE010	BHUVANESHWARI.U.S	LAND USE CLASSIFICATION IN ARIYALUR DISTRICT 2011 - 2012 TO 2015-2016
11	P17GE011	DURGADEVI.A	ANALYSIS OF GENERAL LAND USE PATTERN THIRUVARUR DISTRICT 2012-2017
12	P17GE012	ABINAYA.C	AN ANALYSIS OF RAINFALL PATTERN IN NAGAPATTINAM DISTRICT 13 - 2020
13	P17GE013	KEERTHIKA.R	A SPATIAL STUDY OF SOIL DISTRIBUTION AND CROP CONCENTRATION IN NAGAPATTINAM DISTRICT
14	P17GE014	INDHU.R	AN ANALYSIS CROPPING PATTERN AND CROP COMBINATION IN THIRUVARUR DISTRICT

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15	P17GE015	GIRIJA.K	A GEOGRAPHICAL STUDY OF DEMOGRAPHIC CHARACTERICS IN CUDDALORE DISTRICT
16	P17GE016	RAJALAKSHMI .R	ANANALYSIS OF CROPPING PATTERN AND CROPPING PATTERN AND CROP COMBINATION REGIOUNS IN NAGAPATTINAM DISTRICT
17	P17GE017	SAKTHIPRIYA .D	A STUDY OF IMPACT AND MANAGEMENT OF GAJA CYCLONE IN MANNARGUDI TALUK



*S. Anil*  
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**DEPARTMENT OF GEOGRAPHY- 2019-2020**

SL.No	ROLL NUMBER	NAME	DETAILS OF ACTIVITY
1	P18GE001	BHARATHI.K	AN ANALYSIS OF SPATIAL DISTRIBUTION AND CHANGES IN THE AERIAL EXTEND OF IRRIGATION IN THIRUVARUR DISTRICT USING GIS 2014-2015 TO 2018-2019
2	P18GE002	BRUNTHA.M	GEOGRAPHICAL ANALYSIS OF TOURISM DEVELOPMENT IN NAGAPATTINAM DISTRICT.
3	P18GE003	BRINTHA.P	TOURISM DEVELOPMENT IN THANJAVUR DISTRICT
4	P18GE004	DURGADEVI.C	AN ANALYSIS OF CROPPING PATTERN AND CROP COMBINATION IN THIRUVARUR DISTRICT USING GIS (2013-2019)
5	P18GE005	GNANALAKSHMI.V	PREPARATION ,PROCESSING , AND MARKETIING OF PACKED / BOTTLING OF MINERAL WATER IN THIRUCHIRAPPALLI DISTRICT 2015
6	P18GE006	KARPAGAM.S	AN ANALYSIS OF SPATIAL DISTRIBUTION OF SMALL SCALE INDUSTRIES IN THIRUCHIRAPPALLI DISTRICT (2015-2018)
7	P18GE007	KARTHIKA.A	AN ANALYSIS OF RAINFALL PATTERN IN THIRUVARUR DISTRICT (2012-2019)
8	P18GE008	KARTHIKA.S	MENSTRUAL PROBLEM IN COLLEGE STUDENTS FOR GCW(A)KUMBAKONAM
9	P18GE009	KODEESHWARI.S	AN ANALYSIS OF RAINFALL PATTERN IN THIRUVARUR DISTRICT 2012- 2019
10	P18GE010	MATHUMITHA.R	AN ASSESSMENT OF SOLID WASTE MANAGEMENT IN KUMBAKONAM TALUK 2019
11	P18GE011	NANDHINI.C	AN ANALYSIS OF LAND USE CLASSIFICATION OF THIRUVARUR DISTRICT 2013-2018
12	P18GE012	MANIMOZHI .M	AN ASSESSMENT OF SOLID WASTE MANAGEMENT IN THIRUVIDAIMARUDUR TOWN 2019
13	P18GE013	PONMANI.R	AN ASSESSMENT OF SOLID WASTE MANAGEMENT IN THANJAVUR CITY 2014-2018
14	P18GE014	SEMPARUTHI.M	GEOGRAPHICAL ANALYSIS OF TOURISM IN TIRUCHIRAPPALLI DISTRICT – 2019

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15	P18GE015	SOWMIYA.S	SOCIO- ECONOMIC AND HEALTH STAUUS FOR HOMEMAKERS IN SEVENTH WARD OF KUMBAKONAM MUNICIPALITY
16	P18GE016	SUBHA. G	A STUDY ON ANTENATAL HEALTH CARE OF RURAL WOMEN IN KUMBAKONAM TALUK.
17	P18GE017	VENI.R	AN ANALYSIS OF THE GENERAL LANDUSE PATTERN IN CUDDALORE DISTRICT (2014-2019)
18	P18GE018	VENNILA.S	A STUDY ON NUTRITIONAL STATUS OF ADOLESCENTS GIRLS IN KUMBAKONAM TALUK.
19	P18GE019	JAYANTHI .R	A STUDY OF FREQUENCY AND FACTORS ASSOCIATED WITH DEPRESSION DIABETICS IN KUMBAKONAM TALUK



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## RESEARCH PROJECT DETAILS DEPARTMENT OF GEOGRAPHY- 2020-2021

SL.No	ROLL NUMBER	NAME	DETAILS OF ACTIVITY
1	P19GE001	ABINAYA.A	GEOGRAPHICAL DISTRIBUTION OF TOURISTS PLACES AND TOURISTS FLOW PATTERN IN NAGAPATTINAM DISTRICT.
2	P19GE002	DELPHIN.A	AN ANALYSIS OF CROPPING PATTERN AND CROP COMBINATION REGIONS IN THIRUVARUR DISTRICT (2014-2019)
3	P19GE003	HEMA MALINI .M	LIVELIHOOD CONDITION OF PEOPLE LIVING IN MURUKKANGUDI VILLAGE
4	P19GE004	KAVIPRIYA.S	A STUDY ON NOISE POLLUTION IN KUMBAKONAM TALUK
5	P19GE005	OVIYA.S	AN ASSESSMENT OF SOLID WASTE MANAGEMENT IN KUMBAKONAM
6	P19GE006	PRATHIBA.R	AN ANALYSIS OF DIABETES MILETUS IN THANJAVUR DISTRICT USING GIS
7	P19GE007	SARANYA.P	AN ANALYSIS OF POPULATION DISTRIBUTION IN NAGAPATTINAM DISTRICT -1971-2011
8	P19GE008	SOBIKA.R	GEOGRAPHICAL STUDY OF TOURISM DEVELOPMENT IN THANJAVUR DISTRICT, TAMIL NADU USING GIS (2014-2019)
9	P19GE009	VINITHA.G	AN ANALYSIS OF CROPPING PATTERN IN NAGAPATTINAM DISTRICT 2014 - 2019
10	P19GE010	PRIYANKA .P	AN ASSESSMENT OF SOLID WASTE MANAGEMENT IN THIRUVIDAIMARUDUR TOWN 2020
11	P19GE011	RAJESWARI .G	LAND USE AND LAND COVER CHANGES IN PERAVURANI TALUK



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RESEARCH PROJECT DETAILS			
DEPARTMENT OF GEOGRAPHY- 2021-2022			
SL.No	ROLL NUMBER	NAME	DETAILS OF ACTIVITY
1	P20GE001	AMIRTHA.G	AMINORIA UKORIA POLYCRISTIC OVERYSIS SYNDROM - HOMEOPATHY TREATMENT IN KUMBAKONAM BLOCK
2	P20GE002	AROKYAYASOTHA.J	CROPPING PATTERN AND CROP DIVERSIFICATION AND CHANGES IN THE AERIAL EXTEND OF IRRIGATION IN TIRUVARUR DISTRICT.
3	P20GE003	BHUVANESHWARI.R	AN ANALYSIS OF SPATIAL COVID DISEASE IN TAMILNADU USING GEO SPATIAL ANALYSIS
4	P20GE004	EZHILRASI.K	SPATIAL DISTRIBUTION OF COVID DISASE FOR WOMEN IN TAMILNADU USING GEO SPATIAL ANALYSIS .
5	P20GE005	GAYATHIRI.R	RAINFALL PATTRN IN THANJAVUR DISTRICT.
6	P20GE006	GAYATHIRI.S	AN ANALYSIS OF SPATIAL DISTRIBUTION OF SMALL SCALE INDUSTRIES IN THIRUCHIRAPPALLI DISTRICT (2015-2018)
7	P20GE007	HARSHAVARTHINI.S	LAND USE CLASSIFICATION IN ARIYALUR DISTRICT 2014 – 2021
8	P20GE008	JAYASURYA.J	AN ANALYSIS OF SOIL DISTRIBUTION IN PUDUKKOTTAI DISTRICT.
9	P20GE009	LAVANYA.P	COVID - 19 PANDEMIC SITUATION IN KUMBAKONAM.
10	P20GE010	NITHYA.S	A GEOGRAPHICAL STUDY OF TOURISM DEVELOPMENT IN TOURISM DEVELOPMENET IN MAYILADUTHURAI 2015 - 2021.
11	P20GE011	SHALAINI.D	A STUDY ON CROPPING PATTERN IN THANJAVUR DISTRICT 2014 -2019
12	P20GE012	VISHALACHI.J	URBANIZATION AND OCCUPATIONAL CHARACTERISTICS OF URBAN CENTRES IN THANJAVUR DISTRICT USING GIS TECHNIQUES



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<b>RESEARCH PROJECT DETAILS</b>			
<b>DEPARTMENT OF GEOGRAPHY- 2022-2023</b>			
<b>SL.No</b>	<b>ROLL NUMBER</b>	<b>NAME</b>	<b>DETAILS OF ACTIVITY</b>
1	P21GE001	ANANTHI.A	AN ANALYSIS OF LAND USE CLASSIFICATION IN CUDDALORE DISTRICT 2018 -2021
2	P21GE002	AYISHABANU.A	AN SPATIAL ANALYSIS OF CROP COMBINATION BY WEAVERS METHOD IN THANJAVUR (2017-2022)
3	P21GE003	DURGA.R	AN ANALYSIS OF GROUND WATER LEVEL IN KUMBAKONAM TALUK THAJAVUR DISTRICT
4	P21GE004	DURGA.S	ADULTS GIRLS HEALTH STATUS AFTER CORONA: A PIVOTAL STUDY OF GOVERNMENT COLLEGE FOR WOMEN (A),KUMBAKONAM
5	P21GE005	EZHILRASI.B	AN ANALYSIS OF CROP COMBINATION AND CROP CONCENTRATION IN THIRUVARUR 2010-2022
6	P21GE006	EZHILRANI.T	A GEOGRAPHICAL ANALYSIS OF TOURISM IN CUDDALORE DISTRICT 2017-2022
7	P21GE007	FATHIMABANU.A	A GEOGRAPHICAL ANALYSIS OF CROPPING PATTERN ARIYALUR DISTRICT 2017-2022
8	P21GE008	HARSHANI.S	LANDUSE CLASSIFICATION IN THIRVARUR DISTRICT 2015-2022
9	P21GE009	ISHWARYA.M	SAPATIAL DISTRICTBUION OF CROPPING PATTERN AND COMBINATION REGION TRICHIRAPALLI DISTRICT 2016-2021
10	P21GE010	JANANI.A.V	AN ANALYSIS OF AND CLASSIFICATION CHANGING OF THIRUVARUR DISTRICT USING GIS 2013- 2019
11	P21GE011	KARTHIKA.G	AN ANALYSIS OF CROPPING PATTERN AND CROP COMBINATION REGION IN NAGAPATTINAM 2017-2022
12	P21GE012	MILAN.A	A STUDY ON CROPPING PATTERN IN CUDDALORE DISTRICT 2016-2022
13	P21GE013	NISHNAPRIYADHARSHINI.M	AN ANALYSIS OF SPATIAL DISTRIBUTION AND CHANGES IN THE AREAL EXTENT IF IRRIGATION IN ARIYALUR DISTICT 2012-2022
14	P21GE014	PRAVEENA.K	A SPATIAL ANALYSIS OF DIABETES MELLITUS DISEASE IN KUMBAKONAM TOWN FROM 2014-2022
15	P21GE015	SAKTHI RANJANI.R	A SPATIAL ANALYSIS OF CROP COMBINATION IN ARIYALUR DISTRICT 2017- 2022

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16	P21GE016	SASIKALA.D	A STUDY ON NOISE LEVEL IN KUMBAKONAM TOWN 2023
17	P21GE017	SINEKA.G	SPATIO - TEMPORAL ANALYSIS OF RAINFALL PATTERN IN THANJAVUR DISTRICT 2006-2020
18	P21GE018	SRIDURGA.D	ANALYSIS HERITAGE POTENTIAL OF THE TEMPLE TOWN IN KUMBAKONAM 2023
19	P21GE019	THIRIPOSAL.D	A STUDY ON DISTRIBUTION SOIL IN TIRUVARUR DISTRICT 2014-2019
20	P21GE020	VANI.P	AN ASSEMENT OF SOILD WASTE MANAGEMENT IN KUMBAKONAM TOWN 2023
21	P21GE021	VIMALA.R	AN ANALYSIS OF LANDUSE PATTERN IN THANJAVUR DISTRICT 2017-2022
22	P21GE022	YUVARANI.K	AN ANALYSIS OF SPATIAL DISTRIBUTION AND CHANGES IN THE AREAL EXTENT IF IRRIGATION IN ARIYALUR DISTICT 2012-2022



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Mrs. V.KALYANI M.Sc., M.Phil., B.A (Hindi) Ph.D.,

Assistant Professor of Geography,

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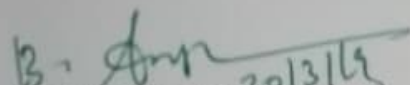
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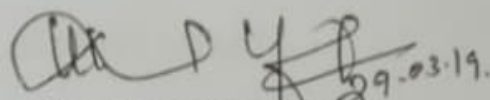
### CERTIFICATE

I have by certify that the project work entitled, "A STUDY ON THE LAND VALUE OF NAGAPATINAM TOWN (2006-2015)" Submitted to the BHARATHIDASAN UNIVERSITY for the partial fulfillment for the award of Master Degree in Geography by Selvi. R.ELAVARASI B.sc., Graduate student of Government College for women, (Autonomous) Kumbakonam is an original and independent work carried out during 2018 - 2019 under my supervision.


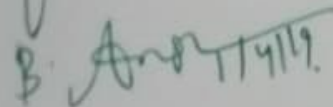
  
Signature of the HOD

Head of the Department  
Department of Geography

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Signature of the Guide

Examiners

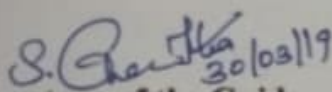
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1/4/19

Mrs. S.GEETHA M.Sc., B.Ed., SET.,  
Assistant Professor of Geography,  
Government College for Women (Autonomous),  
Kumbakonam – 612 001.

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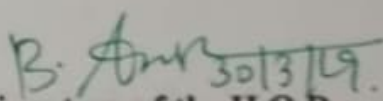
### CERTIFICATE

This is to certify that the project work was done under my guidance dissertation entitled, "ECOLOGICAL IMPORTANCE OF MANGROVES AND ITS TOURISM VALUE IN PICHAVARAM-A CASE STUDY" Submitted by Miss.M.ABINAYA B.Sc., in partial fulfillment of the requirement of the Post-Graduate Degree course in Master of Science, for the academic period 2018-2019 in the subject of Geography is the original work of the candidate.

  
Signature of the Guide

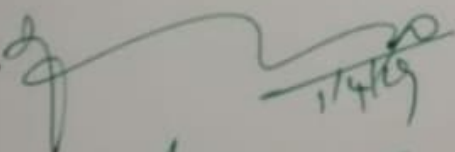
Asst. professor.  
Department of Geography

Government College for Women (Autonomous)  
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Head of the Department  
Department of Geography  
Government College for Women (Autonomous)  
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#### Examiners

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1/4/19
- B. Anur 11/4/19

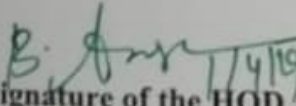
Mrs. S.GEETHA, M.Sc., B.Ed., SET.,  
Assistant Professor of Geography  
Government College for Women (Autonomous),  
Kumbakonam - 612 001.

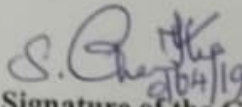
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I have by certify that the project work entitled, "A STUDY ON DISTRIBUTION OF SOIL IN THANJAVUR DISTRICT" Submitted to the BHARATHIDASAN UNIVERSITY for the partial fulfillment for the award of Master Degree in Geography by K.MONISHA, B.Sc., Graduate student of Government College for women, (Autonomous) Kumbakonam is an original and independent work carried out during 2018 - 2019 under my supervision.

  
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Head of the Department  
Department of Geography  
Government College for Women (Autonomous)  
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Examiners

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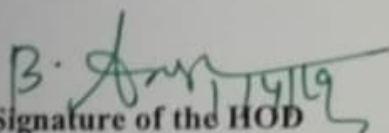
Mrs. V.KALYANI M.Sc., M.Phil., B.A (Hindi), Ph.D.,  
Assistant Professor of Geography,  
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Kumbakonam - 612 001.

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CERTIFICATE

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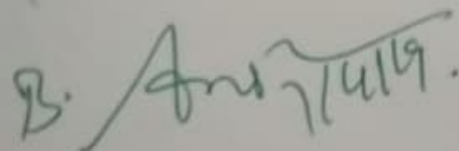
I have by certify that the project work entitled, "AN ANALYSIS OF THE GENERAL LAND USE PATTERN THANJAVUR DISTRICT USING GIS TECHNOLOGY 2007-2017" Submitted to the BHARATHIDASAN UNIVERSITY for the partial fulfillment for the award of Master Degree in Geography by Miss. C. ABINAYA, B.Sc., Graduate student of Government College for women, (Autonomous) Kumbakonam is an original and independent work carried out during 2018 - 2019 under my supervision.

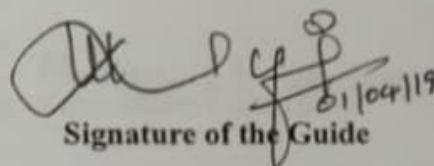
  
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Head of the Department  
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Examiners

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Signature of the Guide

C. ABINAYA

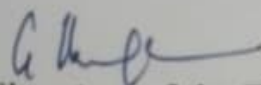
**Mrs. G.RENUGA DEVI M.Sc., M.Ed., M.Phil.,**  
Assistant Professor in Geography,  
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Kumbakonam - 612 001.

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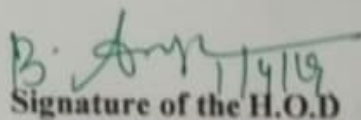
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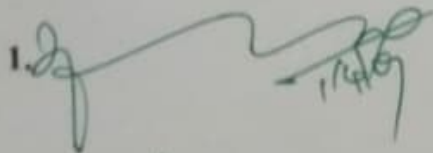
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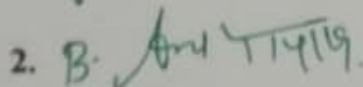


Signature of the H.O.D

Head of the Department  
Department of Geography  
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### Examiners

1. 

2. 

Mrs. S.MAHESWARI M.Sc., M.Phil.,  
Lecturer in Geography,  
Government College for Women (Autonomous),  
Kumbakonam - 612 001.

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I have by certify that the project work entitled, "A SPATIAL STUDY OF SOIL DISTRIBUTION AND CROP CONCENTRATION IN NAGAPATINAM DISTRICT" Submitted to the BHARATHIDASAN UNIVERSITY for the partial fulfillment for the award of Master Degree in Geography by Selvi. R.KEERTHIKA B.sc., Graduate student of Government College for women, (Autonomous) Kumbakonam is an original and independent work carried out during 2018 - 2019 under my supervision.

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Department of Geography

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Examiners

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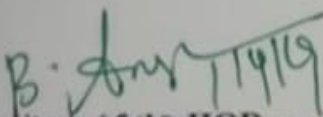
Dr. P.GANGAI, M.Sc., M.Phil., Ph.D.,  
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Kumbakonam – 612 001.

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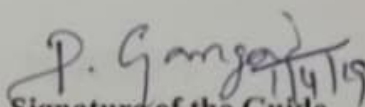
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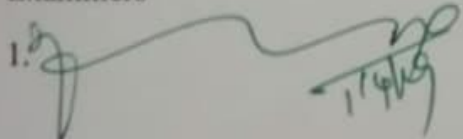
I have by certify that the project work entitled, "SPATIAL DISTRIBUTION OF CROPPING PATTERN AND CROP COMBINATION REGIONS OF THIRUCHIRAPALLI DISTRICT" Submitted to the BHARATHIDASAN UNIVERSITY for the partial fulfillment for the award of Master Degree in Geography by **R. DEEPA, B.Sc.**, Graduate student of Government College for women, (Autonomous) Kumbakonam is an original and independent work carried out during 2018 - 2019 under my supervision.

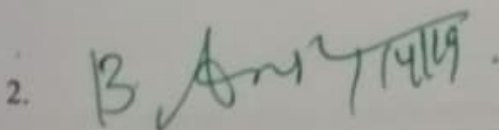
  
Signature of the HOD

Department of Geography  
Government College for Women (Autonomous)  
Kumbakonam-612001

  
Signature of the Guide

Examiners

1. 

2. 

Mrs. V.KALYANI M.Sc., M.Phil., B.A (Hindi), Ph.D.,

Assistant Professor of Geography,

Government College for Women (Autonomous),

Kumbakonam - 612 001.

---

**CERTIFIED BONAFIDE**

### CERTIFICATE

I have by certify that the project work entitled, "SPATIO-TEMPORAL ANALYSIS OF RAINFALL PATTERN IN THANJAVUR DISTRICT, TAMILNADU (1998 - 2015)" Submitted to the BHARATHIDASAN UNIVERSITY for the partial fulfillment for the award of Master Degree in Geography by Mrs. K. SASIKALA B.Sc., Graduate student of Government College for women, (Autonomous) Kumbakonam is an original and independent work carried out during 2018 - 2019 under my supervision.

B. Ann 30/3/19

Signature of the HOD

Signature of the Guide 29.03.19

Head of the Department

Department of Geography

Government College for Women (Autonomous)

Kumbakonam-612001

Examiners

1. [Signature] 1/4/19

2. B. Ann 1/4/19



Mrs. B. ANUSUYA, M.Sc., M.Phil., SET., Ph.D.,

Assistant professor and Head,

Department of Geography,

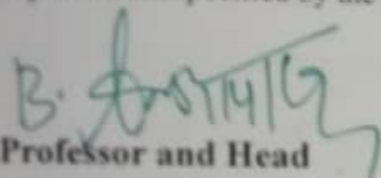
Government College for Women (Autonomous),

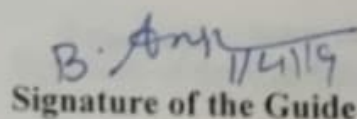
Kumbakonam - 612 001.

### CERTIFICATE

**CERTIFIED BONAFIDE**

This is to certify that the project work was done under my guidance diction entitled, "A STUDY ON CROPPING PATTERN AND CROP COMBINATION IN TANJAVUR DISTRICT 2009 TO 2017". Submitted to the Bharathidasan University March 2019 for the Master Degree in Geography is on original and independent work of Miss. R.GOWTHAMI B.Sc., B.Ed., post - graduate student of Government College for Women, (Autonomous) Kumbakonam. Under my Guidance and supervision after fulfilling the basics requirements. Specified by the University during the year of 2018 - 2019.

  
Asst. Professor and Head

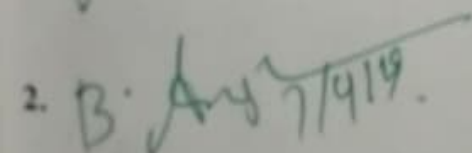
  
Signature of the Guide

Department of Geography

Head of the Department  
Department of Geography  
Government College for Women (Autonomous)  
Kumbakonam-612001

**Examiners**

  
1/4/19

2.   
7/4/19.

G. Mangayarkarasi' M.Sc., M. Phil., B. Ed.,  
Mrs. G. RENUGA DEVI, M.Sc., M.Ed., M.Phil.  
Guest Lecturer  
Assistant Professor in Geography,

Government College for Women (Autonomous),

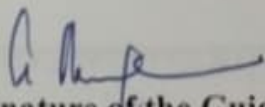
Kumbakonam-612001.

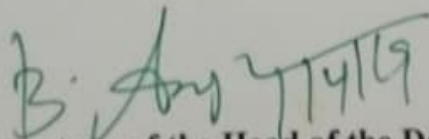
**CERTIFIED BONAFIDE**

**CERTIFICATE**

That is to certify that this project work was done under my guidance dissertation entitled, "LAND USE CLASSIFICATION IN ARIYALUR DISTRICT (2011-2012 TO 2015 -2016)" Submitted to the BHARATHIDASAN UNIVERSITY by Selvi U.S.BHUVANESWARI, B.Sc., Graduate student of Government College for Women ,(Autonomous) Kumbakonam is an Original and independent work carried out during 2018-2019 under my supervision.

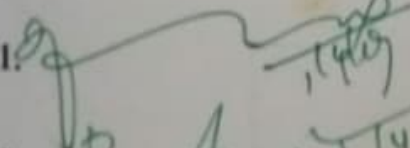
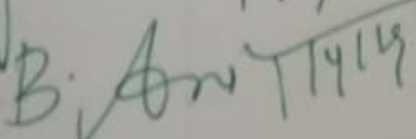
U.S. Bhuvaneshwari  
Signature of the Candidate

  
Signature of the Guide

  
Signature of the Head of the Department

Head of the Department  
Department of Geography  
Government College for Women (Autonomous)  
Kumbakonam-612001

**Examiners**

1.   
2. 

Mrs. A. SUMATRA M.Sc., M.Phil., M.Ed., SET., Ph.D.,  
Lecturer in Geography,  
Government College for Women (Autonomous),  
Kumbakonam - 612 001.

---

**CERTIFICATE**

**CERTIFIED BONAFIDE**


This is to certify that the project work was done under my guidance dissertation entitled, "A STUDY OF IMPACT AND MANAGEMENT OF GAJA CYLONE IN MANNARGUDI TALUK" Submitted by Miss.D.SAKTHI PRIYA B.Sc., in partial fulfillment of the requirement of the Post-Graduate Degree course in Master of Science, for the academic period 2018-2019 in the subject of Geography is the original work of the candidate.

A. Sumatra / 30/03/2019  
Signature of the Guide

R. Anur / 30/3/19  
Signature of the H.O.D

Head of the Department  
Department of Geography  
Government College for Women (Autonomous)  
Kumbakonam-612001

**Examiners**

1.  11/4/19
2. B. Anur / 11/4/19

Mrs. S.NITHYA M.Sc., M.Phil., Ph.D.,

Lecturer in Geography,

Government College for Women (Autonomous),

Kumbakonam – 612 001.

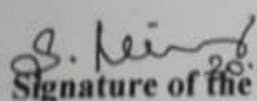
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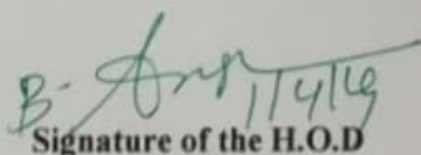
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**CERTIFICATE**

**CERTIFIED BONAFIDE**

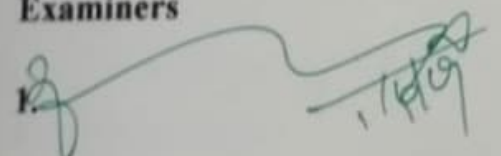
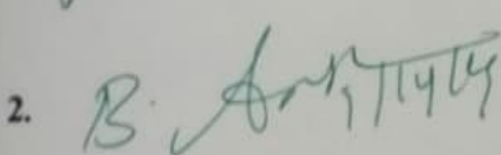
This is to certify that the project work was done under my guidance dissertation entitled, "A GEOGRAPHICAL STUDY OF DEMOGRAPHIC CHATERSTICS IN CUDDALORE DISTRICT" Submitted by Miss. K.GIRIJA B.Sc., in partial fulfillment of the requirement of the Post-Graduate Degree course in Master of Science, for the academic period 2018-2019 in the subject of Geography is the original work of the candidate.

  
Signature of the Guide

  
Signature of the H.O.D

Head of the Department  
Department of Geography  
Government College for Women (Autonomous)  
Kumbakonam-612001

**Examiners**

1.   
2. 

Mrs. S.NITHYA, M.Sc., M.Phil., Ph.D.,  
Lecturer in Geography,  
Government College for Women (Autonomous),  
Kumbakonam -612 001.

---

### CERTIFICATE

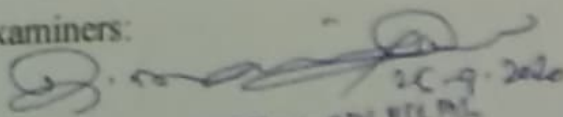
This is to certify that the project was done under my guidance and the dissertation, entitled "GEOGRAPHICAL ANALYSIS OF COASTAL TOURISM DEVELOPMENT IN NAGAPATTINAM DISTRICT APRIL- 2020" Submitted by Miss. M.BRUNTHA, B.Sc., in partial fulfillment of the requirement of the post-graduate course in Master of Science, for the academic period 2019-2020 in the subject of geography is the original work of the candidate.

M. Bruntha. 25.9.2020  
Signature of the Candidate

S. Nithya 25/9/2020  
Signature of the Guide

S. Bruntha  
25/9/2020  
Signature of the Head of the Department

Examiners:

1.  25.9.2020
2. Dr. R. MANIYOSAL M.Sc., M.Phil., Ph.D.  
Assistant Professor in Geography  
Post Graduate & Research Dept. of Geography  
Government Arts College (Autonomous)  
Kumbakonam - 612 001.

Mrs. S. NITHYA, M.Sc., M.Phil., Ph.D.,

Lecturer in Geography,

Government college for women (Autonomous),

Kumbakonam - 612 001.

---

### CERTIFICATE

I here by certify that the project work entitled, "THE PRESENT STUDY PREPARATION , PROCESSING AND MARKETING OF PACKED / BOTTLING OF MINERAL WATER IN TIRUCHIRAPPALLI TOWN - 2012 TO 2019" submitted to the BHARATHIDASAN UNIVERSITY for the partial fulfillment for the award of Master Degree in Geography by Miss.V.GNANALAKSHMI B.Sc., Graduate student of government college for women, (Autonomous) Kumbakonam is an original and independent work carried out during 2019 - 2020 under my supervision.

V. Gnanalakshmi  
25/9/2020

Signature of the

Candidate

S. Nithya  
25/9/2020

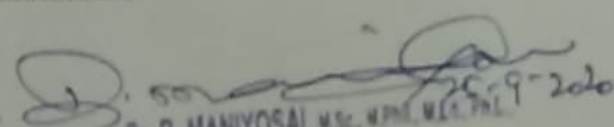
Signature of the

Guide

Signature of the

HOD

### Examiners

1.   
Dr. R. MANIYOSAI, M.Sc., M.Phil., Ph.D.  
Assistant Professor in Geography  
P.O. Graduate & Research Dept. of Geography  
Government Arts College (Autonomous)  
Kumbakonam - 612 001.

2.



Department of Geography,  
Government College for Women (Autonomous),  
Kumbakonam-612 001, Tamil Nadu.

---

CERTIFICATE

I hereby certify that the project work entitled "A STUDY OF FREQUENCY AND FACTORS ASSOCIATED WITH DEPRESSION DIABETICS IN KUMBAKONAM TALUK" submitted to for the Bharathidasan university partial fulfillment for the award of degree of master science in applied Geography by R.JAYANTHI B.Sc.,(P18GEO11) the original and a group work carried out during 2019-2020 under my supervision and further that it has not been submitted to any other university or institution for the award of any degree or diploma.

Signature of the Guide

Head of the Department

Approved

External Examiner

Station : Kumbakonam

Date : 25.09.2020

25.9.2020  
Dr. R. MANIYOSAI, M.Sc., M.Phil., M.Ed., Ph.D.  
Assistant Professor in Geography  
Post Graduate & Research Dept. of Geography  
Government Arts College (Autonomous)  
Kumbakonam - 612 001.

Mrs. S. SASIKALA, M.Sc., B.Ed., M.Phil., (SET)-,

Guest lecturer in Geography,

Government College for Women (Autonomous),

Kumbakonam - 612 001.

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### CERTIFICATE

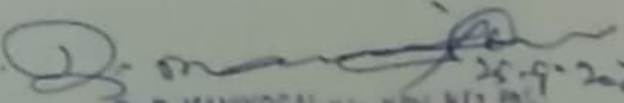
This is certify that this project work was done under my guidance of dissertation entitled "MENSTRUAL PROBLEM IN COLLEGE STUDENTS FOR GOVERNMENT COLLEGE FOR WOMEN AUTONOMOUS KUMBAKONAM" Submitted by Miss. S.KARTHIKA, B.Sc., in partial fulfillment of the requirement of the post-graduate course in Master of Science, for the academic period 2019- 2020 in the subject of geography is the original work of the candidate.

Signature of the guide

Signature of the H.O.D

Examiners:

1.



25-9-2020

Dr. R. MANIYOSAL, M.Sc., M.Phil., M.L.T., Ph.D.  
Assistant Professor in Geography  
Post Graduate & Research Dept. of Geography  
Government Arts College (Autonomous)  
Kumbakonam - 612 001.

2.

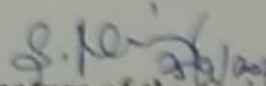


Mrs. G.RENUGADEVI M.Sc., M.Phil., M.Ed.,  
Assistant Professor,  
Department of Geography,  
Government College for Women (Autonomous),  
Kumbakonam — 612 001.

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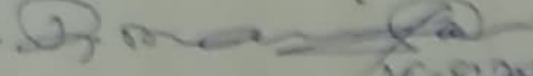
### CERTIFICATE

This is to certify that the project work was done under my guidance  
dissertation entitled, "AN ANALYSIS OF RAINFALL PATTERN IN  
THIRUVARUR DISTRICT 2012 - 2019" Submitted by  
Miss. S.KODEESWARI, B.Sc., in partial fulfillment of the requirement of the  
Post-Graduate Degree course in Master of Science, for the academic period  
2019-2020 in the subject of Geography is the original work of the candidate.

  
Signature of the Guide

Signature of the H.O.D

Examiners

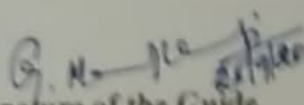
-   
Dr. R. MANIYOSAI M.Sc., M.Phil., M.Ed.,  
Assistant Professor in Geography  
Post Graduate & Research Dept. of Geography  
Government Arts College (Autonomous)  
Kumbakonam - 612 001.
-

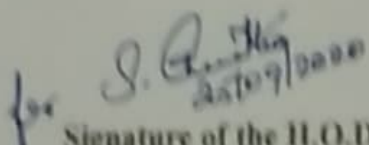
Mrs. G.MANGAIYARKARASI M.Sc., M.Phil., B.Ed.,  
Lecturer in Geography,  
Department of Geography,  
Government College for Women (Autonomous),  
Kumbakonam — 612 001.

---

### CERTIFICATE

This is to certify that the project work was done under my guidance  
dissertation entitled, "AN ASSESSMENT OF SOLID WASTE  
MANAGEMENT IN THIRUVIDAIMARUDUR TOWN 2019" Submitted  
by Miss. M.MANIMOZHIL, B.Sc., in partial fulfillment of the requirement of  
the Post-Graduate Degree course in Master of Science, for the academic period  
2019-2020 in the subject of Geography is the original work of the candidate.

  
Signature of the Guide

  
Signature of the H.O.D

Examiners

1.  26.9.2020

2. Dr. R. MANIVASALU, M.Sc., M.Phil., M.L., Ph.D.  
Assistant Professor in Geography  
P.O. Graduate & Research Dept. of Geography  
Government Arts College (Autonomous)  
Kumbakonam - 612 001.

Mrs. V.KALYANI M.Sc., M.Phil., B.A(Hindi), P.H.D.,

Assistant Professor in Geography,

Government College For Women (Autonomous),

Kumbakonam-612 001


### CERTIFICATE

This is to certify that the Project Work was done under my guidance dissertation entitled, " GEOGRAPHICAL ANALYSIS OF TOURISM IN TIRUCHIRAPPALLI DISTRICT- 2019 Submitted by Selvi.MSEM PARUTHI B.Sc., in partial fulfillment of the requirement of the Post-Graduate Degree course in Master of Science, for the academic period 2019-2020 in the subject of geography is the original work of the candidate.

  
Signature of the Guide

  
Signature of the H.O.D

### Examiners

-   
Dr. R. MANIYASA, M.Sc., M.Phil., M.L.S., Ph.D.  
Assistant Professor in Geography  
K. J. Somaiyasa Institute of Distance Education  
Government Arts College (Autonomous)  
Kumbakonam - 612 001.
-

Mrs. S. SASIKALA, M.Sc., B.Ed., M.Phil., (SET),

Guest lecturer in Geography,

Government College for Women (Autonomous),

Kumbakonam - 612 001.

---


### CERTIFICATE

This is certify that this project work was done under my guidance of dissertation entitled "SOCIO-ECONOMIC AND HEALTH STATUS OF HOMEMAKERS IN 7<sup>th</sup> WARD OF KUMBAKONAM MUNICIPALITY" Submitted by Miss. S.SOWMIYA, B.SC., in partial fulfillment of the post-graduate course in Master of science, for the academic period 2019-2020 in the subject of geography is the original work of the candidate.

Signature of the guide

*for S. Sasikala*  
20/09/2020  
Signature of the H.O.D

Examiners:

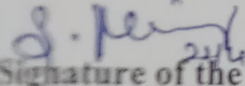
-   
Dr. R. MANIYOSAI, M.Sc., M.Phil., M.L.I., Ph.D.  
Assistant Professor in Geography  
Post Graduate I Research Dept. of Geography  
Government Arts College (Autonomous)  
Kumbakonam - 612 001.  
20/9/2020
-

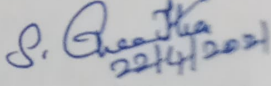
Mrs. S. NITHYA, M.Sc., M.Phil., Ph.D.,  
Lecturer in Geography,  
Government College for Women (Autonomous),  
Kumbakonam - 612 001.

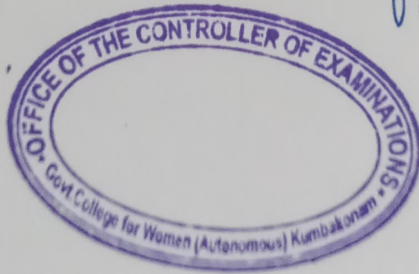
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### CERTIFICATE

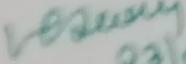
I have by certify that the project work entitled, "GEOGRAPHICAL DISTRIBUTION OF TOURIST PLACES AND TOURIST FLOW PATTERN IN NAGAPATTINAM DISTRICT" Submitted by, A. ABINAYA (Reg.No: P19GE001) in partial fulfillment for the award of Master Degree in Geography, is an original and independent work carried out during 2020 - 2021 under my supervision.

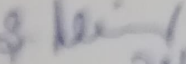
  
Signature of the Guide

  
Signature of the HOD



Examiners

1.   
23/04/2021

2.   
23/04/2021

Mrs. S.MAHESWARI M.Sc., M.Phil.,  
Lecturer in Geography,  
Government College for Women (Autonomous),  
Kumbakonam - 612 001.

---

### CERTIFICATE

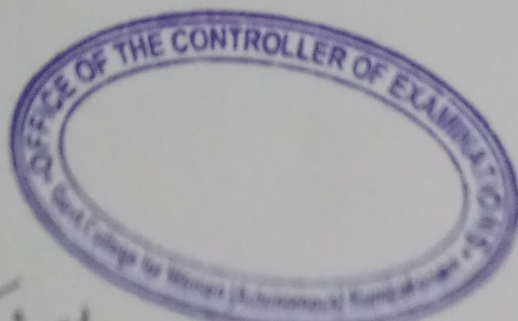
I have by certify that the project work entitled, "AN ANALYSIS OF CROPPING PATTERN AND CROP COMBINATION IN THIRUVARUR DISTRICT 2014 - 2019" Submitted by A.DELPHIN, (Reg.No: P19GE002) in partial fulfillment for the award of Master Degree in Geography, is an original and independent work carried out during 2020 - 2021 under my supervision.

*S. Maheswari*  
22/04/2021  
Signature of the Guide

*S. Ramesh*  
22/04/2021  
Signature of the HOD

Examiners

*V. Srinivas*  
23/04/2021



Mrs. S. SASIKALA M.Sc., M.Phil., B.Ed., (SET),  
Lecturer in Geography,  
Government College for Women (Autonomous),  
Kumbakonam - 612 001.

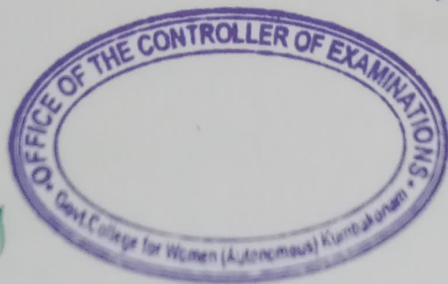
---

### CERTIFICATE

I have by certify that the project work entitled, "LIVELIHOOD  
CONDITION OF PEOPLE LIVING IN MURUKKANGUDI VILLAGE"  
Submitted by M.HEMAMALINI, (Reg.No: P19GE003) in partial fulfillment  
for the award of Master Degree in Geography, is an original and independent  
work carried out during 2020 - 2021 under my supervision.

*D. D. - 22/4/21*  
Signature of the Guide

*S. Chandra*  
22/4/2021  
Signature of the HOD



Examiners

1. *V. S. S. S.*  
23/04/2021

2. *D. D. S.*

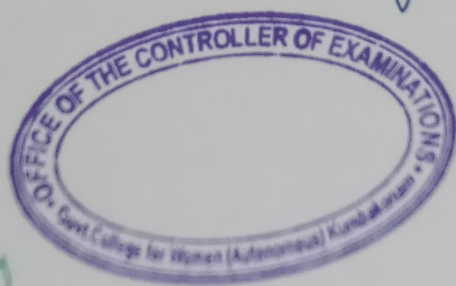
Mrs. S.GEETHA M.Sc., B.Ed.,  
Lecturer in Geography,  
Government College for Women (Autonomous),  
Kumbakonam - 612 001.

**CERTIFICATE**

I have by certify that the project work entitled, "A STUDY ON NOISE LEVELS IN KUMBAKONAM TOWN" Submitted by S.KAVIPRIYA, (Reg.No: P19GE004) in partial fulfillment for the award of Master Degree in Geography, is an original and independent work carried out during 2020 - 2021 under my supervision.

*S. Geetha*  
22/04/2021  
Signature of the Guide

*S. Geetha*  
22/04/2021  
for Signature of the HOD



Examiners

1. *V. Srinivas*  
23/04/2021  
2. *S. Geetha*  
22/04/2021



Mrs. A.SUMATRA M.Sc., M.Phil., SLET., Ph.D.,  
Lecturer in Geography,  
Government College for Women (Autonomous),  
Kumbakonam - 612 001.

---

**CERTIFICATE**

I have by certify that the project work entitled, "AN ASSESSMENT OF SOLID WASTE MANAGEMENT IN KUMBAKONAM 2020" Submitted by SOVIYA, (Reg.No: P19GE005) in partial fulfillment for the award of Master Degree in Geography, is an original and independent work carried out during 2020 - 2021 under my supervision.

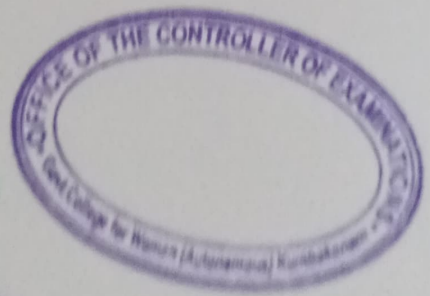
*A. Sumatra*

Signature of the Guide

for *S. Ranghoo*  
22/4/2021  
Signature of the HOD

Examiners

1. *V. Srinivas*  
23/04/2021  
2. *A. Sumatra*  
23/04/2021



Mrs. V.KALYANI M.Sc., M.Phil., B.A., (Hindi) Ph.D.,  
Lecturer in Geography,  
Government College for Women (Autonomous),  
Kumbakonam - 612 001.

---

**CERTIFICATE**

I have by certify that the project work entitled, "A SPATIAL ANALYSIS OF DIABETES MELLITUA DISEASE IN KUMBAKONAM TOWN FROM 2014 - 2019" Submitted by R.PRATHIBA, (Reg.No: P19GE006) in partial fulfillment for the award of Master Degree in Geography, is an original and independent work carried out during 2020 - 2021 under my supervision.

*[Signature]*  
Signature of the Guide 22.4.2021.

*[Signature]*  
for Signature of the HOD 22/04/2021.

Examiners

*[Signature]*  
23/04/2021



*[Signature]*  
23.4.2021.

Mrs. G. MANGAIYARKARASI M.Sc., M.Phil., B.Ed.,

Lecturer in Geography,

Government College for Women (Autonomous),

Kumbakonam - 612 001.

---

### CERTIFICATE

I have by certify that the project work entitled, "AN ASSESSMENT OF SOLID WASTE MANAGEMENT IN THIRUVIDAIMARUTHUR TOWN 2020" Submitted by P.PRIYANGA, (Reg.No: P19GE007) in partial fulfillment for the award of Master Degree in Geography, is an original and independent work carried out during 2020 - 2021 under my supervision.

*G. Mangaiyarkarasi*  
22/04/2021  
Signature of the Guide

*S. Chandra*  
22/04/2021  
Signature of the HOD

Examiners

*W. S. Srinivasan*  
22/04/2021



Dr. K.INDHIRA, M.Sc., Ph.D.,  
Lecturer in Geography,  
Government College for Women (Autonomous),  
Kumbakonam – 612 001.

---

### CERTIFICATE

I have by certify that the project work entitled, "LAND USE AND LAND COVER CHANGES IN PERAVURANI TALUK" Submitted by G.RAJESWARI, (Reg.No: P19GE008) in partial fulfillment for the award of Master Degree in Geography, is an original and independent work carried out during 2020 - 2021 under my supervision.

*K. Indhira*  
22.4.2021

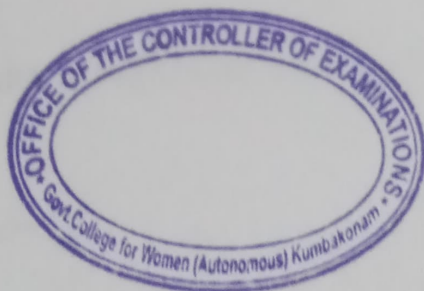
Signature of the Guide

*S. Chandha*  
22/04/2021

Signature of the HOD

Examiners

*V. Sany*  
23/04/2021



Dr. BANUSUYA, M.Sc., M.Phil., SET, Ph.D.,  
Assistant Professor and HEAD,  
Department of Geography  
Government College for Women, (Autonomous),  
Kumbakonam - 612001.

### CERTIFICATE

This is to certify that the project work was done under my guidance  
dictation entitled, "AN ANALYSIS OF POPULATION DISTRIBUTION  
IN NAGAPATTINAM DISTRICT 2017-2011". Submitted Selvi. P.  
Saranya B.Sc., in partial fulfilment of the requirement of the Post Graduate  
Degree course in Master of Science, for the academic period 2020-2021 in the  
subject of Geography is the original work of the candidate.

*[Handwritten Signature]*  
Signature of the Guide.  
Dr. BANUSUYA M.Sc., M.Phil., Ph.D.,  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)  
KUMBAKONAM - 612001

*[Handwritten Signature]*  
Signature of the H.O.D  
Dr. BANUSUYA M.Sc., M.Phil., Ph.D.,  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)  
KUMBAKONAM - 612001

EXAMINER  
*[Handwritten Signature]*  
*[Handwritten Signature]*



Ms. BHARATHI, M.Sc, M.Phil, M.Ed.,

Guest faculty in Geography,

Government College for Women, (Autonomous),

Kumbakonam - 612001.

## CERTIFICATE

This is to certify that this project Work Was done under my guidance dictation entitled, "A GEOGRAPHICAL STUDY OF TOURISM DEVELOPMENT IN THE ANJAVUR DISTRICT, TAMIL NADU, USING GIS (2014-2019), Submitted to the Bharathidasan University in April -2021 for the MASTER DEGREE IN GEOGRAPHY is on original and independent. Work of Miss., R. Sobika B.Sc., Post Graduate student of Government college for Women, (Autonomous), Kumbakonam. Under my Guidance and supervision after fulfilling the basic requirements. Specified by the University during the Year of 2020-2021.

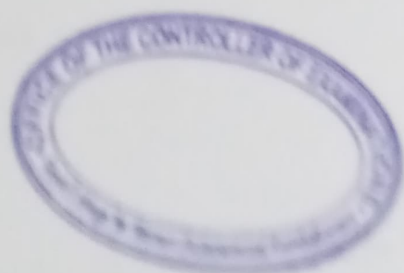
S. Ganesh 21/04/2021  
Asst. Professor and Head

D. B. Srinivasan  
Signature of the Guide.

Department of Geography

EXAMINER

1. V. Srinivasan  
21/04/2021  
2. D. B. Srinivasan

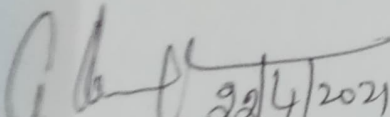


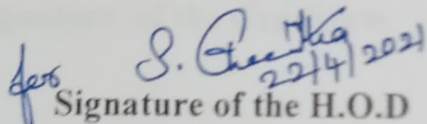
Dr.G.RENUGADEVI, M.Sc., M.Ed., M.Phil., Ph.D.,  
Assistant Professor of Geography,  
Government College for Women, (Autonomous),  
Kumbakonam - 612001.

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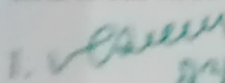
### CERTIFICATE

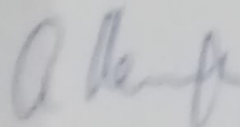
This is to certify that the project work was done under my guidance dictation entitled, "AN ANALYSIS OF CROPPING PATTIERN IN NAGAPATTINAM DISTRICT 2014-2019". Submitted Selvi. G. Vinitha B.Sc., in partial fulfilment of the requirement of the Post Graduate Degree course in Master of Science, for the academic period 2020-2021 in the subject of Geography is the original work of the candidate.

  
Signature of the Guide. 22/4/2021

  
Signature of the H.O.D 22/4/2021

EXAMINER

1.   
22/04/2021

2.   
22/4/2021



**Mrs. S.SASIKALA, M.Sc., B.Ed., M.Phil. (SET)**

Guest Lecturer of Geography

Government College for Women (Autonomous)

Kumbakonam – 612001.

## CERTIFICATE OF SUPERVISION

This is to certify that the dissertation, entitled “ANALYSIS OF PCOS, AMENORRHEA AND LEUCORRHEA DISEASE IN KUMBAKONAM TALUK BASED ON HOMEOPATHIC TREATMENT (2017-2021)” submitted by **G.AMIRTHA**, B.Sc., in partial fulfillment of the requirement of the post – graduate degree course in Master of science, for the academic period 2020-2021 in the subject of Geography is the original work of the candidate.

*G. Amirtha.*

**Signature of the candidate**

*S. D. 3/6/22*

**Signature of the Guide**

**Examiners**

*Dr. P. S. Srinivasan*  
24/06/2022

**Signature of the H.O.D**

1.

*V. T. Anand*  
3/6/22

*V. T. Anand*  
Associate Professor of Geography  
G.O.C., Kumbakonam

முனைவர். லி. அனாசுயா M.Sc., M.Phil., Ph.D.,  
தலைவர், துறைத்துறைவர்  
புவியியல் துறை,  
அரசினர் மகளிர் கல்லூரி (தன்னாட்சி)  
கும்பகோணம் - 612001

2.

*B. Anusuya*  
9/6/2022

Dr. B. ANUSUYA M.Sc., M.Phil., Ph.D.,  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)  
KUMBAKONAM - 612001





Mrs. A. SUMATRA M.Sc., M.Phil., M.Ed.,SET  
Guest Lecturer in Geography,  
Department of Geography,  
Government College for Women (Autonomous),  
Kumbakonam – 612 001.

### CERTIFICATE

This is to certify that the project work was done under my guidance dissertation entitled, “AN ANALYSIS OF CROPPING PATTERN AND CROP COMBINATION IN THIRUVARUR DISTRICT 2010 - 2020” Submitted by Miss J.AROKYAYASOTHA, B.Sc, in partial fulfilment of the requirement of the Post-Graduate Degree course in Master of Science, for the academic period 2021 – 2022 in the subject of Geography is the original work of the candidate.

A. Sumatra  
04/06/22

Signature of the Guide

Dr. Anusuya  
04/06/2022

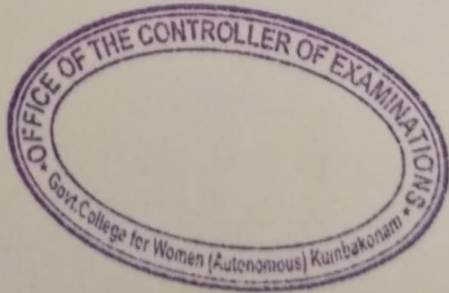
Signature of the H.O.D

Examiners

1. V. Ramkrishnan  
9/6/22  
V. RAMKRISHNAN  
Assistant Professor of Geography  
G.C.W., Kumbakonam.
2. B. Anusuya  
9/6/2022

முனைவர்.பி.அ.அனுசுயா M.Sc., M.Phil., Ph.D.,  
உதவிப்பேராசிரியர், துறைத்தலைவர்  
புனியியல் துறை,  
அரசினர் மகளிர் கல்லூரி(தன்னாட்சி)  
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Dr. B. ANUSUYA M.Sc., M.Phil., Ph.D.,  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)  
KUMBakonam-612001



Mrs. V. KALYANI, M.Sc., M.Phil., B.A(Hindi),  
Assistant Professor in Geography,  
Government College for Women (Autonomous),  
Kumbakonam – 612 001.

**CERTIFICATE**



This is to certify that the project work was done under my guidance  
dissertation entitled, "AN ANALYSIS OF SPATIAL DISTRIBUTION AND  
CHANGES IN THE AREAL EXTENT OF IRRIGATION IN THIRUVARUR  
DISTRICT 2013-14 AND 2020-21" Submitted by R. BHUVANESHWARI in  
partial fulfilment of the requirement of the Post-Graduate Degree course in Master  
of Science, for the academic period 2021-2022 in the subject of Geography is the  
original work of the candidate.

  
Signature of the Guide. 04/06/22

  
Signature of the H.O.D

முனைவர் வி. கல்யாணி, பி.எச்., பி.ஃப்., பி.ஏ. (ஹிந்தி),  
தலைப்பு: புவியியல், கும்பகோணம் அரசு பெண்கள் கல்வி கல்லூரி,  
கும்பகோணம் - 612 001.  
04/06/22

**Examiners**

1.   
V. TAMILARASOO  
Assistant Professor  
Geol, Kumbakonam
2.   
B. ANUSUYA



Dr. B. ANUSUYA M.Sc., M.Phil., Ph.D.,  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN AUTONOMOUS

**Dr. K. INDIRA M.Sc., Ph.D.,**  
**Assistant Professor in Geography,**  
**Government College for Women (Autonomous),**  
**Kumbakonam – 612 001.**

---

### CERTIFICATE

This is to certify that the project work was done under my guidance dissertation entitled, **“SPATIAL DISTRIBUTION OF COVID DISEASES IN TAMILNADU DISTRICTS USING GEO SPATIAL ANALYSIS -2020 TO 2022”** Submitted by **K. EZHILARASI (Reg. No: P20GE005)** in partial fulfilment of the requirement of the Post-Graduate Degree course in Master of Science, for the academic period 2021-2022 in the subject of Geography is the original work of the candidate

*K. Indira*  
31/05/2022  
**Signature of the Guide.**

*K. Ezhilarasi*  
31/05/2022  
**Signature of the H.O.D**

முனைவர் பி.அனுசூயா M.Sc., M.Phil., Ph.D.,  
உதவிப்பேராசிரியர், துறைத்துணைவர்  
(புவியியல் துறை),  
அரசினர் மகளிர் கல்லூரி (ஆய்வினை),  
கும்பகோணம் - 612 001

#### Examiners

- V. Tamisarasani*  
31/05/2022  
1. **V. TAMISARASANI**  
Associate Professor of Geography
2. *B. Anusuya*  
31/05/2022

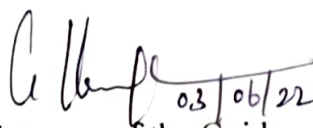
**Dr. B. ANUSUYA: M.Sc., M.Phil., Ph.D.,**  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

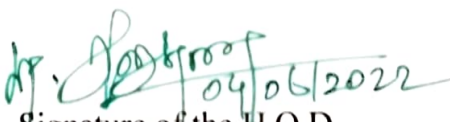


Dr. G. RENUGADEVI M.Sc., M.Phil., M.Ed., Ph.D.,  
Assistant Professor,  
Department of Geography,  
Government College for Women (Autonomous),  
Kumbakonam – 612 001.

### CERTIFICATE


This is to certify that the project work was done under my guidance  
dissertation entitled, “AN ANALYSIS OF RAINFALL PATTERN IN  
THANJAVUR DISTRICT 2007 -2021” Submitted by Miss R. GAYATHRI  
B.Sc, in partial fulfillment of the requirement of the Post-Graduate Degree course  
in Master of Science, for the academic period 2020 – 2022 in the subject of  
Geography is the original work of the candidate.


  
Signature of the Guide

  
Signature of the H.O.D

முனைவர் பட்ட. அனுசூயா M.Sc., M.Phil., Ph.D.,  
உதவிப்பேராசிரியர், துறைத்துறைவர்  
புவியியல் துறை,  
அரசினர் மகளிர் கல்லூரி (தன்னாட்சி)  
கும்பகோணம் - 612001

Examiners

1.   
V. TAMIZHARA SARAV  
Associate Professor of Geography  
GWC, Kumbakonam

2.   
B. Gan



Dr. B. ANUSUYA M.Sc., M.Phil., Ph.D.,  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)  
KUMBakonam-612001

**Dr. S.GEETHA M.SC., B.Ed. Ph.D.,**  
Assistant Professor of Geography  
Government College for Women (Autonomous)  
Kumbakonam – 612001.

---

**CERTIFICATE OF SUPERVISION**

This is to certify that the dissertation, entitled “**A STUDY OF FIBROADENOMA DISEASE FOR WOMEN IN KUMBAKONAM TALUK**” submitted by **S.GAYATHRI, B.Sc.**, in partial fulfillment of the requirement of the Post – Graduate degree course in Master of science, for the academic period **2020-2022** in the subject of Applied Geography is the original work of the candidate.

S. Gayathri  
**Signature of the candidate**

S. Geetha  
03/06/2022  
**Signature of the Guide**

**Examiners**

1. V. Anusuya  
Associate Professor of Geography  
GWC, Kumbakonam

2. B. Anusuya  
9/6/2022

Dr. J. Jeyaraj  
04/06/2022  
**Signature of the H.O.D**

செயலாளர்: டி. ஜெயராஜ், பி.ஐ.டி.  
தலைவர், கல்வி அலுவலர், கல்வி அலுவலர்  
கல்வி அலுவலர், கல்வி அலுவலர்  
கல்வி அலுவலர், கல்வி அலுவலர்  
கல்வி அலுவலர், கல்வி அலுவலர்

Dr. B. ANUSUYA M.Sc., Ph.D.  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)  
KUMBAKONAM - 612001



**Mrs. G. Mangayarkarasi, M.Sc., M.Phil., B.Ed.**

**Guest Lecturer in Geography**

**Government College for Women (Autonomous),**

**Kumbakonam – 612 001.**

---



**CERTIFICATE**

This is to certify that the project work was done under my guidance dissertation entitled, **“LAND USE CLASSIFICATION IN ARIYALUR DISTRICT 2014 -2021”** Submitted by **Miss S. Harshavardhini B.Sc**, in partial fulfilment of the requirement of the Post-Graduate Degree course in Master of Science, for the academic period 2021 – 2022 in the subject of Geography is the original work of the candidate.

  
Signature of the Guide

  
Signature of the H.O.D

**Examiners**

1.   
V. TAMILARASAGAN  
Associate Professor of Geography  
GAE, KANNIYAS.
2.   
B. Anusuya  
9/6/2022

அமைச்சர் (திரு. என். விஜயலக்ஷ்மி) M.Sc., M.Phil., Ph.D.  
ஊ. அமைச்சர் (திரு. என். விஜயலக்ஷ்மி) ஆய்விதழ், ஆய்வகம்  
மாநில உயர்நிலை ஆய்விதழ்.  
மாநில உயர்நிலை ஆய்விதழ் (கல்வி) (கல்வி) (கல்வி) (கல்வி)  
மாநில உயர்நிலை ஆய்விதழ் (கல்வி) (கல்வி) (கல்வி) (கல்வி)



Dr. E. ANUSUYA, M.Sc., M.Phil., Ph.D.,  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)  
KUMBAKONAM-612001

**Mrs.S.MAHESWARI., M.Sc., M.Phil.,**

Lecturer in Geography,

Government College for Women (Autonomous),

Kumbakonam – 612 001.

## CERTIFICATE

This is to certify that this project work was done under my guidance dissertation entitled, “AN ANALYSIS OF SOIL DISTRIBUTION IN PUDUKKOTTAI DISTRICT” Submitted by Selvi. J. JAYASURIYA in partial fulfilment of the requirement of the Post Graduate Degree course in Master of Science, for the academic period 2021-2022 in the subject of Geography is the original work of the candidate.

*S. Maheswari*

**Signature of the Guide**

*Dr. B. Anusuya*  
06/06/2022

**Signature of the H.O.D**

முனைவர்.பி.அனுசுயா M.Sc., M.Phil., Ph.D.,  
உதவிப்பேராசிரியர், துறைத்தலைவர்  
புளியியல் துறை,  
அரசினர் மகளிர் கல்லூரி(தன்னாட்சி)  
கும்பகோணம் - 612001

**Examiner**

- V. Ramya*  
06/06/2022  
*V. RAMYARAO*  
Assistant Professor  
Dept., Kumbakonam
- B. Anusuya*  
06/06/2022

**Dr.B.ANUSUYA M.Sc., M.Phil., Ph.D.,**  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVT. COLLEGE FOR WOMEN (AUTONOMOUS)  
KUMBAKONAM-612001



Miss. D.BHARATHI M.Sc., M.Phil., M.Ed.,  
Assistant Professor,  
Department of Geography  
Government College for Women (Autonomous),  
Kumbakonam - 612 001.

**CERTIFICATE**

This is to certify that the project work was done under my guidance dissertation entitled, "AWARENESS AND KNOWLEDGE ON NOVEL CORONAVIRUS (COVID 19) PANDEMIC AMONG COLLEGE STUDENTS (Female) in KUMBAKONAM" 2020-2022 submitted by Miss. P.LAVANYA B.Sc., in partial fulfillment of the requirement of the post-Graduate Degree course in Master of science, for the academic period 2021-2022 in the subject of geography is the original work of the candidate.

*D. Bharathi*  
Signature of the Guide

*P. Lavanya*  
Signature of the HOD

முனைவர் பி.பி. சிவசுப்பிரமணியன், M.Sc., M.Phil., Ph.D.,  
பு. கும்பகோணம் அரசு பெண்கள் கல்லூரி,  
புவியியல் துறை,  
அறிவுரை மையம், கும்பகோணம் (தமிழ்நாடு)  
கும்பகோணம் - 612 001

Examiners  
1. *V. Aravindan*  
*VITANI VARADAN*  
*Associate Professor of Geography*  
*CAE, Kumbakonam*  
2. *B. Anusuya*



P. LAVANYA, M.Sc., M.Phil., Ph.D.,  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVT. COLLEGE FOR WOMEN (AUTONOMOUS)  
KUMBAKONAM - 612 001



Mrs. S. NITHYA M.Sc., M.Phil., B.Ed., Ph.D.,  
Lecturer in Geography,  
Government College for Women (Autonomous),  
Kumbakonam - 612 001.

**CERTIFICATE**

This is to certify that the project work was done under my guidance  
dissertation entitled, "A GEOGRAPHICAL STUDY OF TOURISM  
DEVELOPMENT IN MAYILADUTHURAI DISTRICT" Submitted by  
Miss S. NITHYA B.Sc., in partial fulfilment of the requirement of the Post-  
Graduate Degree course in Master of Science, for the academic period  
2020 - 2022 in the subject of Geography is the original work of the candidate.

*[Signature]*  
Signature of the Guide

*[Signature]* 04/05/2022  
Signature of the H.O.D

**Examiners**

- 1. *V. Ramya*  
*V. RAMYA*  
Associate Professor of Geography  
Govt. College for Women
- 2. *B. Anusuya* 9/6/2022

முனைவர் பி.ஆனஸூயா, M.Sc., M.Phil., Ph.D.,  
2<sup>ஆம்</sup> கல்யாணசுப்பிரமணியம் திருவிடைமருதூர்  
தாழ்த்தியல் துறை,  
செங்கல்பட்டு அரசியல் கல்விக்கல்லூரி  
கம்பகம்-612001



Dr. B. ANUSUYA, M.Sc., M.Phil., Ph.D.,  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)  
KUMBAKONAM-612001



**Dr. G.RENUGADEVI M.Sc., M.Phil., M.Ed., Ph.D**

Assistant professor,

Department of Georaphy,

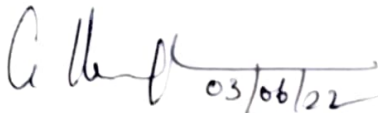
Government college for women (Autonomous),

Kumbakonam - 612 001.

---

### CERTIFICATE

This is to certify that the project work was done under my guidance dissertation entitled, **“AN ANALYSIS OF RAINFALL PATTERN IN THIRUVARUR DISTRICT 2017-2021”** Submitted by **Miss. S.VINITHA** B.sc., in partial fulfillment of the requirement of the Post-Graduate Degree course in Master of Science, for the academic period 2021-2022 in the subject of geography is the original work of the candidate.

 03/06/22

**Signature of the Guide**

 04/06/2022

**Signature of the HOD**

முனைவர் வி.ரெனுগா தேவி M.Sc., M.Phil., Ph.D.,

2. கம்பகொண்டி கிழக்குப் பகுதி, கும்பகோணம்

முதுமையகம் துறை

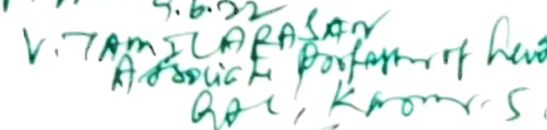
அரசினர் பல்கலைக் கழகம் (ஆதரிக்கப்பட்ட) கி

கும்பகோணம் - 612 001

Examiners

1.

2.

 9.6.22  
V. TAMILARASAN  
Assistant Professor of Geography  
GAC, Kumbakonam

 9/6/22

Dr. E. ANUSUYA M.Sc., M.Phil., Ph.D.,

ASSISTANT PROFESSOR & HEAD

DEPARTMENT OF GEOGRAPHY

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)



**Mrs. S. NITHYA, M.Sc., M.Phil., B.Ed., Ph. D.,**

Lecturer in Geography

Government College for Women (Autonomous),

Kumbakonam – 612001.

**CERTIFICATE**


I have by certify that the project work entitled, **“TOURISM DEVELOPMENT IN NAGAPATTINAM DISTRICT”** Submitted by **K. VINODHINI B.Sc., (Reg. No: P20GE015)** in partial fulfilment for the award of Master Degree in Geography, is an original and independent work carried out during 2020-2022 under my supervision.

  
**Signature of the Guide**

  
**Signature of the HOD**

முனைவர்.பி.அனுசுயா M.Sc., M.Phil., Ph.D.,  
உதவிப்பேராசிரியர், துறைத்துலைவர்  
புவியியல் துறை,  
அரசினர் மகளிர் கல்லூரி (தன்னாட்சி)  
கும்பகோணம் - 612001

**Examiners**

1.   
V. TAMILARASU  
Assistant Professor of Geography  
GWC, Kumbakonam

2.   
Dr. B. Anusuya



**Dr. B. ANUSUYA, M.Sc., M.Phil., Ph.D.,**  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)  
KUMBAKONAM - 612001

Mrs.V. KALYANI, M.Sc., M.Phil., B.A (Hindi) Ph.D.,

Asst. Professor in Geography,

Government College for Women (Autonomous)

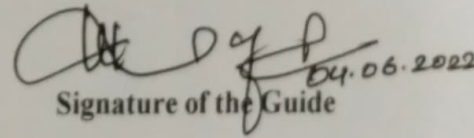
Kumbakonam-612 001

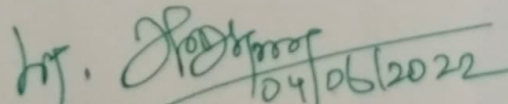
### CERTIFICATE

This is to certify that this project work "URBANIZATION AND CHARACTERISTICS OF URBAN CENTRES IN THANJAVUR DISTRICT USING GIS TECHNIQUES" submitted for the M.Sc., Degree examination by J.VISHALATCHI is a record work done by her during the period of study in this department from 2021-2022 the subject matter of this project works her original work and has formed the basis of the award to any Degree by any candidates.

J. Vishalatchi

Signature of the Candidate

  
Signature of the Guide

  
Signature of the Head of the Department

முனைவர் ப.பி. அனபூசுபதி M.Sc., M.Phil., Ph.D.,  
உதவிப்பேராசிரியர், துறைத்தலைவர்  
முதியியல் துறை,  
அரசினர் மகளிர் கல்லூரி(தன்னாட்சி)  
கும்பகோணம் - 612001

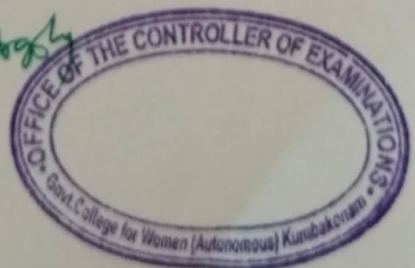
Examiners:

V. Tamilarasan  
9.6.22

1. VITAMILARASAN  
Associate Professor of Geography  
GCE, Kumbakonam.

2. B. Anusuyi  
9/6/22

Dr.B.ANUSUYI, M.Sc., M.Phil., Ph.D.,  
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DEPARTMENT OF GEOGRAPHY  
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KUMBAKONAM - 612001

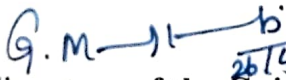


Mrs. G.MANGAIYARKARASI, M.Sc., M.Phil.,  
Lecturer in Geography,  
Government College for Women (Autonomous),  
Kumbakonam – 612 001.

---

## CERTIFICATE


This is to certify that this project work was done under my guidance dissertation entitled, “AN ANALYSIS OF LAND USE CLASSIFICATION OF CUDDALORE DISTRICT” Submitted by Selvi. A.ANANTHI, B.Sc., in partial fulfilment of the requirement of the Post Graduate Degree course in Master of Science, for the academic period 2022-2023 in the subject of Geography is the original work of the candidate.

G. M.   
Signature of the Guide  
26/4/2023

  
Signature of the H.O.D  
26/4/23

Dr.B.ANUSUYA M.Sc., M.Phil., Ph.D.,  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)  
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### Examiner

-   
V. TAMILARASAN, M.Sc., M.Phil.,  
Associate Professor,  
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KARUR-5.

2.



Dr. K.INDHIRA M.Sc., Ph.D.,

Lecturer in Geography,

Government College for Women (Autonomous),

Kumbakonam – 612 001.

### CERTIFICATE

This is to certify that this project work was done under my guidance dissertation entitled, “AN SPATIAL ANALYSIS OF CROP COMBINATION BY WEAVER’S METHOD IN THANJAVUR DISTRICT (2017-2022)” submitted by A.AYISHABANU., (Reg .No : P21GE002) in partial fulfillment for the award of Master Degree in Geography, is an original and independent work carried out during 2021 – 2023 under my supervision.

*K. Indhira*  
26.04.2023

Signature of the Guide

*B. Anusuya*  
26/4/23

Signature of the HOD

Examiners

- V. Tamilabasan*  
**V. TAMILABASAN, M.Sc., M.Phil.**  
Associate Professor,  
Dept. of Geography,  
Gout. Arts College (Auto)  
KARUR-5.

- A. Arun*  
அருண் பி.அருண் (M.Sc., M.Phil., Ph.D.)  
2. தமிழ்நாடு அரசுப் பல்கலைக்கழகம்,  
புதிதாய் துறை.  
அரசினர் மகலிர் கல்யாணி (தன்னாட்சி)  
கு. நடுகோணம் - 612001

Dr.B.ANUSUYA M.Sc., M.Phil., Ph.D.,  
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Mrs. S.SASIKALA., M.Sc., M.Phil., B.Ed., SET.,  
Lecturer in Geography,  
Government College for Women (Autonomous),  
Kumbakonam - 612 001.

## CERTIFICATE

This is to certify that this project work was done under my guidance  
dissertation entitled, "AN ANALYSIS OF GROUNDWATER LEVEL IN  
KUMBAKONAM, THANJAVUR" Submitted by Selvi R.DURGA, B.Sc., in  
partial fulfilment of the requirement of the Post Graduate Degree course in  
Master of Science, for the academic period 2022-2023 in the subject of  
Geography is the original work of the candidate.

*S.S.* 26/4/23

Signature of the Guide

*J. Jeyaraj* 26/4/23

Signature of the H.O.D

முனைவர்.பி.அ.ஜெயராஜ் M.Sc., M.Phil., Ph.D.,  
உதவிப்பேராசிரியர், துறைத்துலைவர்  
முனியியல் துறை,  
அரசினர் மகளிர் கல்லூரி(குன்னாட்சி)  
கும்பகோணம் - 612001

Examiner

1. *V. Tamilarasan* 26/4/23  
**V. TAMILARASAN, M.Sc., M.Phil.,**  
Associate Professor,  
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Govt. Arts College (Auto)  
KARUR-5.

2. *B. Anand* 26/4/23  
முனைவர்.பி.அ.ஆனந்தன் M.Sc., M.Phil., Ph.D.,  
உதவிப்பேராசிரியர், துறைத்துலைவர்  
முனியியல் துறை,  
அரசினர் மகளிர் கல்லூரி(குன்னாட்சி)  
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Mrs. S.SASIKALA., M.Sc., M.Phil., B.Ed., SET.,  
Lecturer in Geography,  
Government College for Women (Autonomous),  
Kumbakonam - 612 001.

### CERTIFICATE

This is to certify that this project work was done under my guidance  
dissertation entitled, "ADULT GIRLS STATUS AFTER CORONA - A  
PIVOTAL STUDY OF GOVERNMENT COLLEGE FOR WOMEN  
(AUTONOMOUS), KUMBAKONAM" Submitted by Selvi S.DURGA,  
B.Sc., in partial fulfilment of the requirement of the Post Graduate Degree  
course in Master of Science, for the academic period 2022-2023 in the subject  
of Geography is the original work of the candidate.

*S. S. 26/4/23*

Signature of the Guide

*J. Anusuya 26/4/23*

Signature of the H.O.D

Dr.B.ANUSUYA M.Sc., M.Phil., Ph.D.,  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)  
KUMBAKONAM-612001

Examiner

*V. Tamilarasan 26.4.23*  
1. **V. TAMILARASAN, M.Sc., M.Phil.,**

Associate Professor,  
Dept. of Geography,  
Govt. Arts College (Auto)  
KUMBAKONAM.

2. *B. Anusuya 26/4/23*

முனைவர் பி. அனுசூயா M.Sc., M.Phil., Ph.D.,  
ஈ. தலைநிலாநகரியார், துணைத்தலைவர்  
புவியியல் துறை,  
அரசினர் கல்விக்கல்விக்கல்வி (தலைநிலாநகரி)  
கும்பகோணம் - 612 001



Mrs. A. SUMATRA M.Sc., M.Phil., M.Ed., SET., Ph.D.,  
Lecturer in Geography,  
Government College for Women (Autonomous),  
Kumbakonam.

---

### CERTIFICATE

I have by certify that the project work entitled, "AN ANALYSIS OF CROP COMBINATION AND CROP CONCENTRATION OF THIRUVARUR DISTRICT 2010 – 2022" Submitted to the BHARATHIDASAN UNIVERSITY for the partial fulfilment for the award of Master Degree in Geography by Miss. B.EZHILARASI B.Sc., Graduate student of Government College for Women, (Autonomous) Kumbakonam is an original and independent work carried out during 2010 – 2022 under my supervision.

A.S. atg  
21/04/23  
Signature of the Guide

M. Anusuya  
26/4/23  
Signature of the HOD

Dr. E. ANUSUYA M.Sc., M.Phil., Ph.D.,  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)  
KUMBAKONAM - 612001

#### Examiners:

V. Tamilarasan  
26.6.23  
1. **V. TAMILARASAN, M.Sc., M.Phil.,**  
Associate Professor.  
Dept. of Geography,  
Gout. Arts College (Auto)

K. Anusuya  
26/4/23  
2. **M. ANUSUYA, M.Sc., M.Phil., Ph.D.,**  
Assistant Professor & Head  
Department of Geography,  
Government College for Women (Autonomous),  
Kumbakonam - 612001



**Dr.B.ANUSUYA, M.Sc., M.Phil., SET., Ph.D.,**

Assistant Professor & Head,

Department of Geography,

Government College for Women ( Autonomous ),

Kumbakonam – 612 001.

### CERTIFICATE

This is certify that the project was done under my guidance and the dissertation, entitled “ **GEOGRAPHICAL ANALYSIS OF TOURISM IN CUDDALORE DISTRICT 2017 – 2022** “ Submitted by **Miss.T.EZHILRANI, B.Sc.,** in partial fulfillment of the requirement of the Post – Graduate course in Master of Science, for the academic period 2022 – 2023 in the subject of Geography is the original work of the candidate.

T. Ezhilrani 25/4/2023

Signature of the Candidate

*[Handwritten Signature]*  
25/4/23  
Signature of the Guide

*[Handwritten Signature]*  
25/4/23  
Signature of the Head of the department

**Dr.B.ANUSUYA M.Sc., M.Phil., Ph.D.,**  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)  
KUMBAKONAM-612001



**Examiners:**

1. *[Handwritten Signature]*  
26.4.23

**V. RAMKARASAN, M.Sc., M.Phil.,**  
Associate Professor,  
Dept. of Geography,  
Govt. Arts College (Auto)  
KARUR-5.

2. *[Handwritten Signature]*  
26/4/23  
**Dr. B. Anusuya, M.Sc., M.Phil., Ph.D.,**  
Assistant Professor & Head,  
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Kumbakonam - 612001

Mrs.S.MAHESWARI, M.Sc., M.Phil.,

Lecturer in Geography,

Government College for Women (Autonomous),

Kumbakonam - 612 001

---

### CERTIFICATE

This is to certify that this project work was done under my guidance dissertation entitled, "AN SPATIAL ANALYSIS OF CROPPING PATTERN IN ARIYALUR DISTRICT 2017 - 2022" Submitted by Selvi. A.FATHIMABANU in partial fulfillment of the requirement of the PostGraduate Degree Course in Master of Science, for the academic period 2022-2023 in the subject of Geography is the original work of the candidate.

*S. Maheswari*  
26/04/2023

Signature of the Guide

*H. Anusuya*  
26/4/23

Signature of the H.O.D

Dr.B.ANUSUYA M.Sc., M.Phil., Ph.D.,  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)  
KUMBAKONAM-612001

### Examiner

- V. Tamilarasan*  
**V. TAMILARASAN, M.Sc., M.Phil.,**  
Associate Professor,  
Dept. of Geography,  
Govt. Arts College (Auto)  
KARUR-5.
- B. Anusuya*  
26/4/23



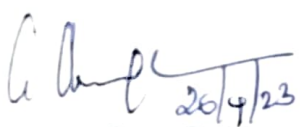
*B. Anusuya*  
26/4/23

Mrs. G. RENUGA DEVI, M.Sc., M.Ed., M.Phil., Ph.D.,  
Assistant Professor of Geography,  
Government College for Women (Autonomous),  
Kumbakonam - 612 001.

---

### CERTIFICATE

This is to certify that this project work was done under my guidance  
dissertation entitled, "AN ANALYSIS OF LAND USE PATTERN IN  
THIRUVARUR DISTRICT 2015 - 2022" Submitted by Selvi.  
S.HARSHANI, B.Sc., in partial fulfilment of the requirement of the Post  
Graduate Degree course in Master of Science, for the academic period 2022-  
2023 in the subject of Geography is the original work of the candidate.

  
26/4/23


Signature of the Guide


  
26/4/23

Signature of the H.O.D

Dr. B. ANURADHA, M.Phil., Ph.D.,  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)  
KUMBAKONAM-612 001

#### Examiner

1.   
26/4/23  
**V. TAMILARASAN, M.Sc., M.Phil.,**  
Associate Professor,  
Dept. of Geography,  
Gout. Arts College (Auto)  
KARUR-5.

2.   
26/4/23  
Dr. B. Anuradha, M.Phil., Ph.D.,  
Assistant Professor & Head,  
Department of Geography,  
Government College for Women (Autonomous),  
Kumbakonam-612 001.



Dr. S.NITHYA, M.Sc., M.Phil., Ph.D.,  
Lecturer in Geography,  
Government College for Women (Autonomous),  
Kumbakonam – 612 001.

**CERTIFICATE**

This is to certify that this project work was done under my guidance  
dissertation entitled, **“SPATIAL DISTRIBUTION OF CROPPING  
PATTERN AND CROP COMBINATION AND REGIONS OF  
TIRUCHIRAPPALLI”** Submitted by **Selvi. M.ISWARIYA, B.Sc.**, in partial  
fulfilment of the requirement of the Post Graduate Degree course in Master of  
Science, for the academic period 2022-2023 in the subject of Geography is the  
original work of the candidate.

*S. Nithya*  
26.4.2023  
**Signature of the Guide**

*S. Nithya*  
26/4/23  
**Signature of the H.O.D**  
முனைவர் சி. சந்திரசேகரன், M.Sc., M.Phil., Ph.D.  
உ. கல்வியியல் துறை, துறைத்துறைகள்  
முன்மையல் துறை,  
அறிவியல் மகாநிலை கல்வியியல் துறை (அ)  
கும்பகோணம் - 612001

**Examiner**

1. *V. Tamilarasan*  
26.4.23  
**V. TAMILARASAN, M.Sc., M.Phil.,**  
Associate Professor,  
Dept. of Geography,  
Gout. Arts College (Auto)  
KARUR-5.

2. *B. Aravindhan*  
26/4/23  
முனைவர் பி. அரவிந்தன், M.Sc., M.Phil., Ph.D.  
உ. கல்வியியல் துறை, துறைத்துறைகள்  
முன்மையல் துறை,  
அறிவியல் மகாநிலை கல்வியியல் துறை (அ)  
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**Dr. V.KALYANI M.Sc., M.Phil., B.A (Hindi)., Ph.D**  
**Assistant professor in Geography,**  
**Government College for Women (Autonomous),**  
**KumbaKonam – 612 001.**


## CERTIFICATE

This is to certify that the project work was done under my guidance dissertation entitled, **“AN ANALYSIS OF LAND CLASSIFICATION ANF CHANGING IN THIRUVARUR DISTRICT”** Submitted by **Selvi A.V. JANANI** in partial fulfilment of the requirement of the Post-Graduate Degree course in Master of Science, for the academic period 2022-2023 in the subject of Geography is the original work of the candidate.


  
**Signature of the Guide.**

  
**Signature of the H.O.D**

### Examiners

-   
**V. TAMILARASAN, M.Sc., M.Phil.,**  
Associate Professor,  
Dept. of Geography,  
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KARUR-5.
- 

**Dr.B.ANUSUYA M.Sc., M.Phil., Ph.D.,**  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN AUTONOMOUS  
KUMBAKONAM-612001

  
பெரியார் பல்கலைக்கழகம் (ஆட்டோ)  
புவியியல் துறை  
காரூர்-5  
2023



Mrs. A. SUMATRA, M.Sc., MPhil., M.Ed., SET., Ph.D.,

Guest faculty in Geography,

Government College for Women (Autonomous),

Kumbakonam-612001

### CERTIFICATE

I have by certify that the project work entitled, "AN ANALYSIS OFCROPPING PATTERN AND CROP COMBINATION REGIONS IN NAGAPATTINAM DISTRICT (2017-2022)" Submitted to the BHARATHIDASAN UNIVERSITY for the partial fulfillment for the award of Master Degree in Geography by G. KARTHIKA, B.Sc., Graduate student of Government College for women, (Autonomous) Kumbakonam is an original and independent work carried out during 2022-2023 under my supervision.

A. S. *atg/25/04/23*

Signature of the Guide

*Dr. B. Anusuya*  
26/4/23

Signature of the HOD

Dr. B. ANUSUYA M.Sc., M.Phil., Ph.D.,  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF GEOGRAPHY  
GOVERNMENT COLLEGE FOR WOMEN AUTONOMOUS  
KUMBAKONAM-612001

Examiners

1. *V. Tamilarasan*  
26.4.23

**V. TAMILARASAN, M.Sc., M.Phil.,**  
Associate Professor,  
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Govt. Arts College (Auto)  
KARUR-5.

2. *B. Anusuya*  
26/4/23

முனைவர் பி.அ. அனுசூயா M.Sc., M.Phil., Ph.D.,  
2. தனிப்பேராளிமியர், துறைத்தலைவர்  
புவியியல் துறை,  
அரசினர் மகளிர் கல்லூரி (தன்னாட்சி)  
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**Dr.B. ANUSUYA, M.Sc., M.Phil., SET., Ph.D.,**

Assistant Professor & HOD,

Department of Geography,

Government College for Women (Autonomous),

Kumbakonam – 612 001.

---

### CERTIFICATE

This is to Certify that the project work was done under my guidance and the dissertation, entitled “A Study on Cropping Pattern in Cuddalore District 2016 - 2022” Submitted by Miss A. Milan, B.Sc., in partial fulfilment of the requirement of the Post-Graduate Degree course in Master of Science, for the academic period 2022 - 2023 in the Subject of Geography is the original work of the candidate.

A. Milan 25/4/2023  
Signature of the Candidate

Dr. Anusuya 25/4/2023  
Signature of the Guide

Dr. Anusuya 25/04/2023  
Signature of the Head of the Department



Examiner

Dr.B.ANUSUYA M.Sc., M.Phil., Ph.D.,  
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முனைவர்.பா.அனுசுயா M.Sc., M.Phil., Ph.D.,  
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### CERTIFICATE

This is to certify that the project work was done under my guidance dissertation entitled, “ **SPATIAL DISTRIBUTION AND CHANGES IN THE AREAL EXTENT OF IRRIGATION IN THIRUVARUR DISTRICT 2011-12 AND 2021-22**” Submitted by **Selvi M. NISHA PRIYADHARSHINI** in partial fulfillment of the requirement of the Post-Graduate Degree course in Master of Science, for the academic period 2022 – 2023 in the subject of Geography is the original work of the candidate.

*D. Bharathi*  
25/4/23

Signature of the Guide

*M. Anusuya*  
25/4/23

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முனைவர் டாக்டர் சிவசுந்தரி பி. சி. பி.ஐ., பி.ஐ.டி.  
உதவிப்பேராசிரியர் & தலைவர், திருவாரூர்  
பெண்கள் அரசு கல்லூரி,  
அறநிலையத் துறை,  
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Assistant Professor in Geography,  
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---

### CERTIFICATE

I have by certify that the project work entitled, “A SPATIAL ANALYSIS OF DIABETES MELLITUS DISEASE IN KUMBAKONAM TOWN FROM 2014 - 2022” Submitted by **K.PRAVEENA**, (Reg.No: **P21GE015**) in partial fulfillment for the award of Master Degree in Geography, is an original and independent work carried out during 2022 - 2023 under my supervision.


  
**Signature of the Guide**

  
**Signature of the HOD**

**Dr.B.ANUSUYA M.Sc., M.Phil., Ph.D.,**  
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**B. Anusuya M.Sc., M.Phil., Ph.D.,**  
ஊராட்சிப்பள்ளியியல், துறைக்குவைவர்  
அறிவியல் துறை,  
சுயேட்சை பெண்கள் கல்வியறிவு கல்விக்கல்லூரி  
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Mrs.S.MAHESWARI., M.Sc., M.Phil.,  
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---

**CERTIFICATE**


This is to certify that this project work was done under my guidance dissertation entitled, “AN SPATIAL ANALYSIS OF CROP COMBINATION IN ARIYALUR DISTRICT 2017-22” Submitted by Selvi. R.SAKTHI RANJANI in partial fulfilment of the requirement of the Post Graduate Degree course in Master of Science, for the academic period 2022-2023 in the subject of Geography is the original work of the candidate.


  
Signature of the Guide

  
Signature of the H.O.D

**Dr.B.ANUSUYA** M.Sc., M.Phil., Ph.D.,  
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**Examiner**

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சென்னை மாநகராட்சி (சென்னை) ம.ச. ம.பில., பி.டி.,  
தலைவர், பி.டி. இயக்குநர், திருவள்ளூர்  
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Mrs. S.GEETHA., M.Sc., B.Ed., Ph.D.,

Lecturer in Geography,

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Kumbakonam – 612 001.

---

### CERTIFICATE

I have by certify that the project work entitled, “A STUDY ON NOISE LEVELS IN KUMBAKONAM TOWN” submitted by **D.SASIKALA**, B.Sc., (Reg .No : P21GEO17) in partial fulfillment for the award of Master Degree in Geography, is an original and independent work carried out during 2021 – 2023 under my supervision.

D. Sasikala

26.4.2023

Signature of the candidate

Signature of the Guide

Signature of the HOD

Dr. B. ANUSUYA M.Sc., M.Phil., Ph.D.,  
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Examiners

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முனைவர் பி.பி.சுப்பிரமணியம் M.Sc., M.Phil., Ph.D.,  
உதவிப் பேராசிரியர், துணைத் தலைவர்  
புவியியல் துறை,  
ஆய்வுகள் மற்றும் கல்வியியல் (ஆணையர் அ)  
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---

### CERTIFICATE

This is to certify that this project work was done under my guidance dissertation entitled, **“SPATIO-TEMPORAL ANALYSIS OF RAINFALL PATTERN IN THANJAVUR DISTRICT (2006-2020)”** submitted by G.SINEKA., (Reg .No : P21GE019) in partial fulfillment for the award of Master Degree in Geography, is an original and independent work carried out during 2021 – 2023 under my supervision.

*K. Indhira*  
26.04.2023

Signature of the Guide

*Dr. B. Anusuya*  
26/4/23

Signature of the HOD

#### Examiners

1. *V. Tamilarasan*  
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2. *B. Anusuya*  
26/4/23

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பொதுத் தரப்பினர் (பட்டிப்படிப்பினர்) மட்டும் பங்கேற்கக்கூடிய  
புதிதாகத் துவக்கப்பட்ட  
மாநில அரசு (ஆட்டோ) கல்லூரி (கா.அ.க.)  
கா.அ.க. - 5



**Dr. S. NITHYA., M.Sc., M.Phil., Ph.D.,**  
Guest Faculty in Geography,  
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---

### CERTIFICATE

This is to certify that the project work was done under my guidance diction entitled, **'ANALYSING THE HERITAGE POTENTIAL OF A TEMPLE TOWN USING ~~G.I.S~~ IN KUMBAKONAM TALUK'** Submitted to the Bharathidasan University in April 2023 for the Master Degree in Geography is on original and independent work of **Miss. D.SRI DURGA B.Sc.,** Post-Graduate student of Government College for Women,(Autonomous) Kumbakonam. Under my Guidance and supervision after fulfilling the basic requirements. Specified by the University during the year of 2022-2023.

*S. Nithya* 26/4/23  
**Signature of the Guide**

*Dr. B. Anusuya* 26/4/23  
**Signature of the HOD**

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## CERTIFICATE

I have by certify that the project work entitled. **"A STUDY ON DISTRIBUTION OF SOIL IN THIRUVARUR DISTRICT"** Submitted to the BHARATHIDASAN UNIVERSITY for the partial fulfillment for the award of Master Degree in Geography by **D.THIRIPOSAL, B.Sc.,** Graduate student of Government College for women, (Autonomous) Kumbakonam in an original and independent work carried out during 2022 - 2023 under my supervision .

*S. Geetha*  
26/4/2023  
**Signature of the Guide**

*J. Anusuya*  
26/4/23  
**Signature of the HOD**

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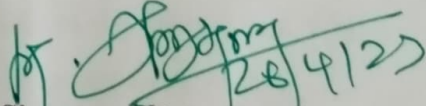


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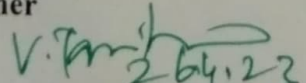
This is to certify that this project work was done under my guidance  
dissertation entitled, "AN ASSESSMENT OF SOLID WASTE  
MANAGEMENT IN KUMBAKONAM" Submitted by Selvi P.VANI, in  
partial fulfilment of the requirement of the Post Graduate Degree course in  
Master of Science, for the academic period 2022-2023 in the subject of  
Geography is the original work of the candidate.

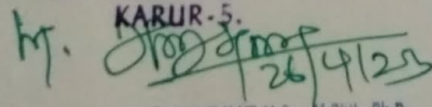
G. M. — 91 — B  
26/4/2023  
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Signature of the H.O.D

முனைவர்.பா.அனுகூலா M.Sc., M.Phil., Ph.D.,  
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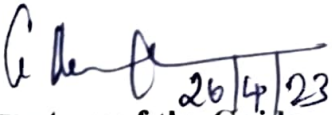


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### CERTIFICATE

This is to certify that this project work was done under my guidance dissertation entitled, **“AN ANALYSIS OF LAND USE CLASSIFICATION OF THANJAVUR DISTRICT”** Submitted by **Selvi. R.VIMALA, B.Sc.,** in partial fulfilment of the requirement of the Post Graduate Degree course in Master of Science, for the academic period 2022-2023 in the subject of Geography is the original work of the candidate.

  
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**Dr.B.ANUSUYA M.Sc., M.Phil., Ph.D.,**  
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**CERTIFICATE**

This is to certify that the project work was done under my guidance dissertation entitled, “ **SPATIAL DISTRIBUTION AND CHANGES IN THE AREAL EXTENT OF IRRIGATION IN ARIYALUR DISTRICT (2012-2022)**” Submitted by Selvi K.YUVARANI in partial fulfilment of the Post – Graduate Degree course in Master of science, for the academic period 2012-2022 in the subject of Geography Is the original work of the candidate.

*D. Bharathi* 25/4/23

Signature of the Guide.

*H. Anusuya* 26/4/23  
Signature of the H.O.D

**Dr.B.ANUSUYA M.Sc., M.Phil., Ph.D.,**  
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2) *B. Anusuya*  
26/4/23

முனைவர் டாக்டர் சிவசுப்பிரமணியன் M.Sc., M.Phil., Ph.D.,  
தமிழ்நாடு அரசுப் பெண்கள் பல்கலைக்கழகம்  
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சென்னை - 600 092

