

Earn While You Learn Scheme

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN, Kilakarai
(A Minority Autonomous Institution & Re accredited by NAAC B++ Grade)
Sponsored by Seethakathi Trust Chennai
ISO 9001-2015 Certified Institution, Affiliated to Alagappa University, Karaikudi

Department of Library and Information Science

Application for Earn While you Learn Scheme



1. Name of the Student : Bouisiya begam . A . T
2. Name of the Department/Institution : II - Bsc mathematics
3. Address for communication : Hajiyani mariyam
bevi thaikappa hostel
4. Permanent Address : 41, Abdul homeed street, Anuthangi-614 616
Pudukkottai (dist)
: Ammath Ibrahim . A
: Tailor
: 9578713845

Fathers Name

Occupation/Designation

Contact No.

5. Contact Number of the student:

Land Line:

Mobile: 9578713846

Email ID: atbouisiyabegam@gmail.com

6. Recommended and forwarded by :

PLACE : Kilakarai

DATE : 27.06.2019


LIBRARIAN


PRINCIPAL

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN, KILAKARAI
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(CGPA: 3.16) & ISO 9001:2015 Certified Institution Recognized by UGC by 2(f) & 12(B)
Kilakarai- 623 517, Ramanathapuram District, Tamil Nadu


DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

Application for Earn While you Learn Scheme
2022-23

1. Name of the Student : TABROSE FATHIMA
2. Name of the Department/Institution : II M.Sc Mathematics
3. Address for communication : Hajiani Mariyam
Beevi Thaikappu Hostel.
4. Permanent Address : 29-1-12 Main Road, Achanpuduru
Tenkasi (Dist)
- Fathers Name : M. Thivan Ali
- Occupation/Designation : Imam
- Contact No. : 9944399364
5. Contact Number of the student:

Mobile: 9042618340
Email ID: Syedabi4495@gmail.com

6. Recommended and forwarded by :


1/11/22 -

LIBRARIAN

DATE: 01/11/2022

PRINCIPAL

1.11.22



THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN, KILAKARAI


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DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

REMUNERATION FOR STAFF DOING NIGHT SHIFT JOB IN OUR LIBRARY

JANUARY 2023

S. No	Name of the Staff & Student	Designation / Class	Period	Remuneration Amount	Signature
1	Ms Sowbiya Banu (HSc)	Faculty	1 Month (21 days)	1354	
2	Ms T Afrose Fathima	II MSc Maths	1 Month (11 days)	709	
TOTAL				2063	
(In Words:					

LIBRARIAN: 

DATE: 01.02.2023

Verified
K. May. L.
3/2/23


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Kilakarai- 623 517, Ramanathapuram District, Tamil Nadu


DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

REMUNERATION FOR STAFF DOING NIGHT SHIFT JOB IN OUR LIBRARY

DECEMBER 2022

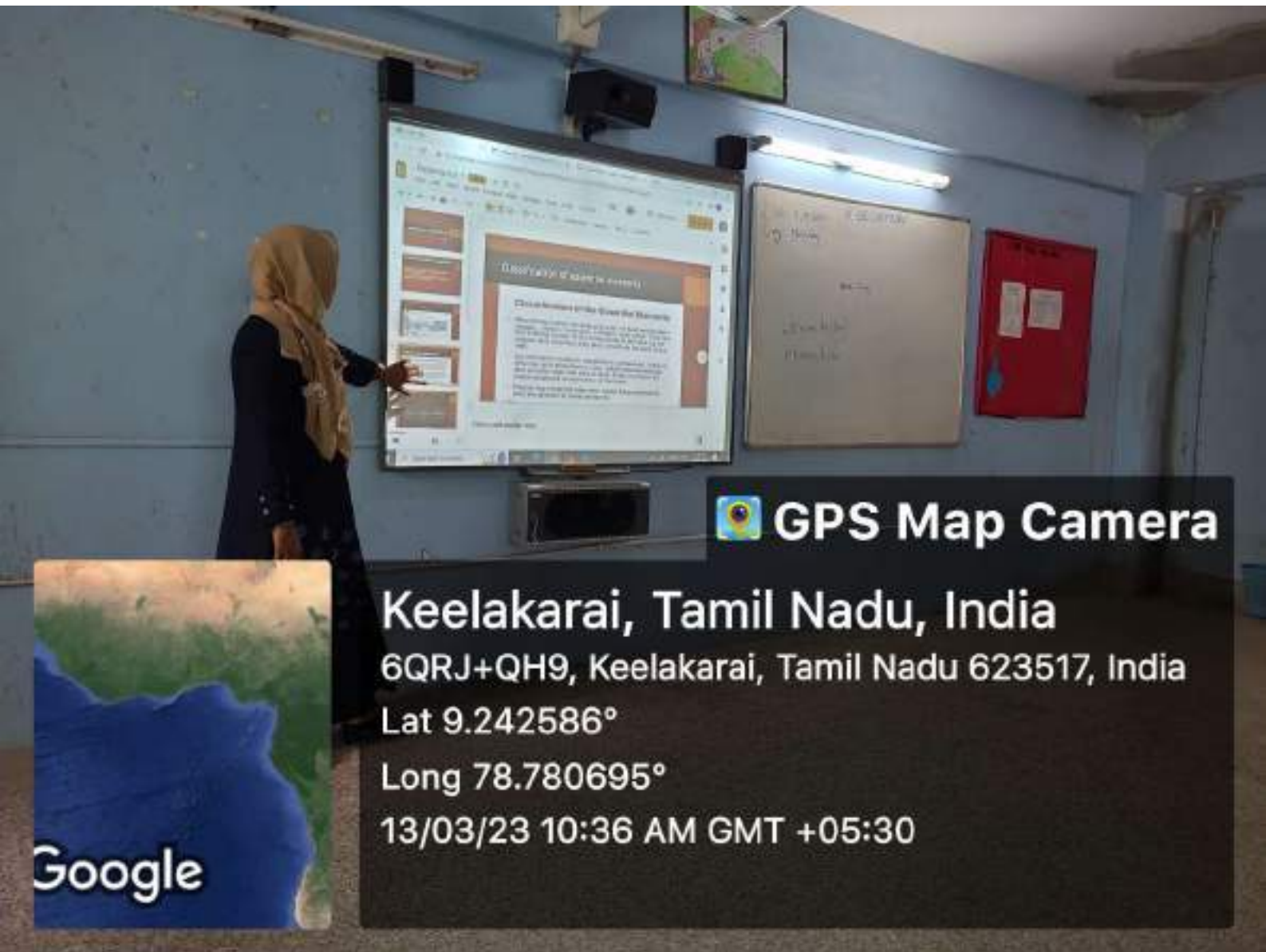
S. No	Name of the Staff & Student	Designation / Class	Period	Remuneration Amount	Signature
1	Ms Sowbiya Banu (HSc)	Faculty	1 Month (18 days)	1161-	
2	Ms T Afrose Fathima	II MSc Maths	1 Month (12 days)	774-	
TOTAL				1935-	
(In Words:					

LIBRARIAN: 


PRINCIPAL

DATE: 23.01.2023

Seminars



 **GPS Map Camera**

Keelakarai, Tamil Nadu, India

6QRJ+QH9, Keelakarai, Tamil Nadu 623517, India

Lat 9.242586°

Long 78.780695°

13/03/23 10:36 AM GMT +05:30





NPTEL Online Certification

(Funded by the MoE, Govt. of India)



NPTEL online Course

This certificate is awarded to

DHARSHINI B

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with a consolidated score of **54** %

Online Assignments	15/25	Proctored Exam	39/75
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Total number of candidates certified in this course: **572**

Snigdha Thakur

Prof. Snigdha Thakur
Dean, Academic Affairs
IISER Bhopal

AB

Prof. Aasheesh Srivastava
NPTEL Coordinator
IISER Bhopal

Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



IISER - Indian Institute of Science
Education and Research Bhopal

Feb-Mar 2023
(4 week course)



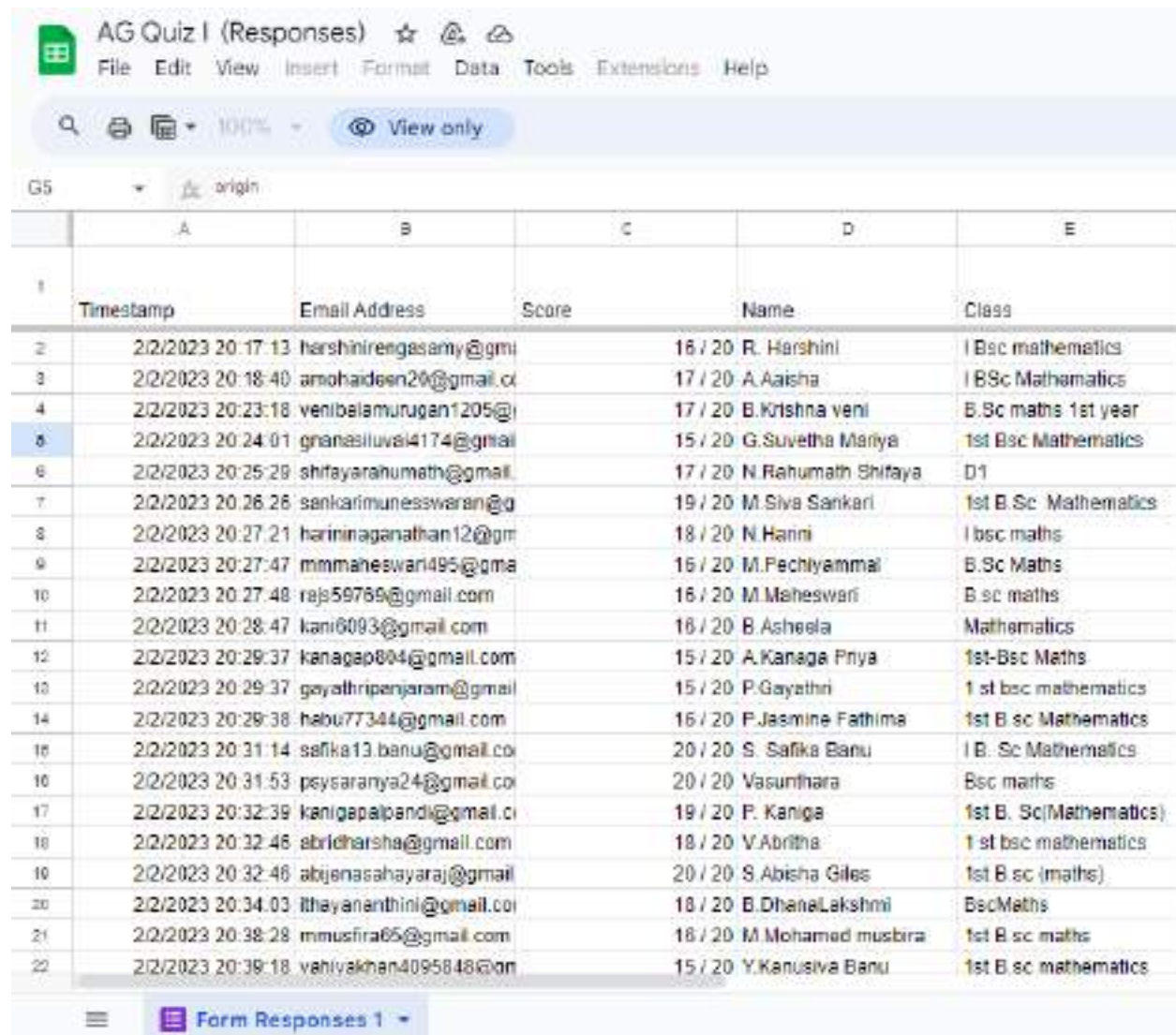
Roll No: NPTEL23HS56S64110699

To validate the certificate

No. of credits recommended: 1 or 2

Quiz

Analytical Geometry



AG Quiz I (Responses) ☆ 📄 🌐

File Edit View Insert Format Data Tools Extensions Help

🔍 🖨️ 📄 100% 🌐 View only

G5 origin

	A	B	C	D	E
#	Timestamp	Email Address	Score	Name	Class
2	2/2/2023 20:17:13	harshinirengasamy@gmail.com	16 / 20	R. Harshini	I Bsc mathematics
3	2/2/2023 20:18:40	amohaideen20@gmail.com	17 / 20	A.Aaisha	I BSc Mathematics
4	2/2/2023 20:23:18	venibelamurugan1205@gmail.com	17 / 20	B.Krishna veni	B.Sc maths 1st year
5	2/2/2023 20:24:01	gnanesiluvai4174@gmail.com	15 / 20	G.Suveltha Mariya	1st Bsc Mathematics
6	2/2/2023 20:25:29	shifayahumath@gmail.com	17 / 20	N Rahumath Shifaya	D1
7	2/2/2023 20:26:26	sankarimunesswaran@gmail.com	19 / 20	M.Siva Sankari	1st B.Sc. Mathematics
8	2/2/2023 20:27:21	harininaganathan12@gmail.com	18 / 20	N.Harini	I bsc.maths
9	2/2/2023 20:27:47	mmaheswari495@gmail.com	16 / 20	M.Pechiyammal	B.Sc Maths
10	2/2/2023 20:27:48	rajs59769@gmail.com	16 / 20	M.Maheswari	B.sc maths
11	2/2/2023 20:28:47	kani6093@gmail.com	16 / 20	B.Asheela	Mathematics
12	2/2/2023 20:29:37	kanagap804@gmail.com	15 / 20	A.Kanaga Priya	1st-Bsc Maths
13	2/2/2023 20:29:37	gayathripenjaram@gmail.com	15 / 20	P.Gayathri	1 st bsc mathematics
14	2/2/2023 20:29:38	habu77344@gmail.com	16 / 20	P.Jasmine Fathima	1st B.sc Mathematics
16	2/2/2023 20:31:14	safika13.banu@gmail.com	20 / 20	S. Safika Banu	I B. Sc Mathematics
16	2/2/2023 20:31:53	psysaranya24@gmail.com	20 / 20	Vasunthara	Bsc maths
17	2/2/2023 20:32:39	kanigapaipandi@gmail.com	19 / 20	P. Kaniga	1st B. Sc(Mathematics)
18	2/2/2023 20:32:46	abridharsha@gmail.com	18 / 20	V.Abritha	1 st bsc mathematics
18	2/2/2023 20:32:46	abjenasahayaraj@gmail.com	20 / 20	S.Abisha Giles	1st B.sc (maths)
20	2/2/2023 20:34:03	lthayananthini@gmail.com	18 / 20	B.DhanaLakshmi	BscMaths
21	2/2/2023 20:38:28	mmusfira65@gmail.com	16 / 20	M.Mohamed musfira	1st B.sc maths
22	2/2/2023 20:39:18	vahivakhan4095648@gmail.com	15 / 20	Y.Kanusiva Banu	1st B.sc mathematics

☰ Form Responses 1

Class Participation



Industrial Visit

ATOS Syntel GDS company, Tirunelveli



Competitions



Model Making



Thassim Beevi Abdul Kader College for Women, Kilakarai

Department of Nutrition and Dietetics "Breast Feeding Week Celebration "22-2023

* Indicates required question

1. Email *

"Enable Breast Feeding : Making a difference for working parents"



Remarks

2. Name *

3. Mail ID *

4. Department *

E- Quiz[Read the questions carefully.10 Mins will be given to complete the quiz]

5. **1.Breastfed children are less likely to have: ***

Mark only one oval.

Diarrhea

Ear infections

Pneumonia

All of the above

6. **2. Which is the most important hormone your body uses to make breastmilk? ***

Mark only one oval.

Estrogen

Prolactin

Progesterone

Insulin

7. **3. The milk made by the body in the first days after birth has a certain name. What is it? ***

Mark only one oval.

. Lactose

Acidophilus

Colostrum

None of the above

8. **4. How often does a breastfed baby eat? ***

Mark only one oval.

- 3 times day
- 6 times day
- 8 to 12 times day
- 20 times a day

9. **5. How many extra calories a day should you eat when breastfeeding? *Mark only one oval.**

- 100
- 200
- 500
- 1,000

10. **6. Which of these medicines should you no use while breastfeeding? ***

Mark only one oval.

- Birth control pills
- Cold remedies
- Pain relievers
- All of the above if you haven't checked with your healthcare provider

11. **7. Breastfeeding is not recommended for birth parents who have: ***

Mark only one oval.

- Hepatitis C
- Tuberculosis that has been treated
- Diabetes
- HIV

12. **8. After a normal delivery, breastfeeding should be initiated within: ***

Mark only one oval.

1 Hr.

2 Hrs.

12 Hrs.

24 Hrs.

13. **9. What is the duration of normal breastfeeding? ***

Mark only one oval.

10 –45 Min

5 – 10 min

45 – 60 min

10 - 20 min

14. **10. How much part of the breast should be in baby's mouth while breastfeeding? ***

Mark only one oval.

only nipple

nipple & small part of areola

nipple & maximum part of areola any part

11. How to recognize that mother's milk is sufficient for the baby after 15 days?

*

Mark only one oval.

Urine output & weight

Stools

Crying

By looking at abdomen

15. **12. Feeding baby Balkadu/Gripe water/ Tonics for teething /Somawa chautrisi/ Kumari Asav etc is**

*

Mark only one oval.

Unnecessary & dangerous

Traditional & hence must be given

Unnecessary

Dangerous

16. **13. After delivery, when should mother start using family planning options? ***

Mark only one oval.

One & half months after delivery

after first menses

Soon after delivery

a & c

17. **14. Recommended duration of exclusive Breast feeding is ***

Mark only one oval.

4 months

8 months

6 months

2 months

18. **15. A normal poop for a breastfed baby looks ***

Mark only one oval.

Solid and brown

Yellow and seedy

Like a clump of red clay

Soft and dark green

19. **16. Foods help to increase Breast milk Secretion? ***

Mark only one oval.

Garlic

Gingerroot

Papaya

All of the above

20. **17. Why do breastfed babies become better eaters as toddlers? ***

Mark only one oval.

Breastfed babies eat less and are therefore hungrier

Breastfed babies are just more chill and open to new experiences

The food you eat flavors your milk, exposing baby to new tastes

21. **18. Moms who breastfeed have lower risk of ***

Mark only one oval.

- Breast cancer
- All of these things
- Uterine and ovarian cancer
- Osteoporosis

22. **19. How long can newly-expressed breast milk be left out at room temperature? ***

Mark only one oval.

- Up to eight hours
- Indefinitely - fresh breast milk doesn't go bad
- Less than an hour

23. **20. A breastfeeding mama needs to space feedings so her breasts have time to refill ***

Mark only one oval.

- True
- False

Do not edit this field, click on SUBMIT

The field below is needed by Form Timer and must NOT be modified. If you modify this key your answer will not be recorded.

24. **Fingerprint - DO NOT EDIT ***

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Google Forms

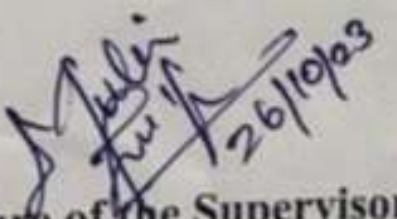
Project work

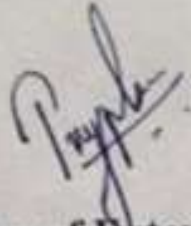
Thassim Beevi Abdul Kader College for Women

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This is to certify that the **Internship program** submitted in partial fulfillment for the degree of Bachelor of Science in Psychology is a record of extension activity done by **N. SAJIN SOFIA of II M.Sc., Psychology**, during the period of study from 2022-2023 in the Department of Psychology, Thassim Beevi Abdul Kader College for Women, Kilakarai. The report has not been submitted for any degree/diploma or other similar titles.


Signature of the Supervisor


Signature of External Examiner

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*A Report submitted to the
Department of Psychology
For the partial fulfillment of the degree of*

MASTERS OF SCIENCE

In Psychology

By

B. MADHUMITHA

(Registration No. 22MSY0002)



**DEPARTMENT OF PSYCHOLOGY
THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,
(An Autonomous Institution)
KILAKARAI - 623517, TAMIL NADU, INDIA**

NOVEMBER - 2023

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MASTERS OF SCIENCE

In Psychology

By

UMAR AYSHA IMTHIYAZ

(Registration No. 22MSY0005)



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

KILAKARAI - 623517, TAMIL NADU, INDIA

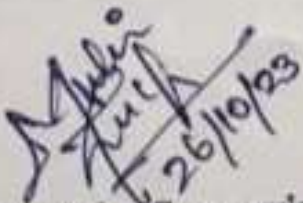
NOVEMBER - 2023

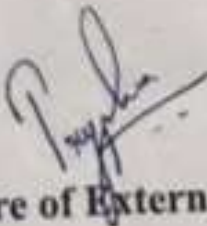
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Signature of the Supervisor
26/10/23


Signature of External Examiner

Thassim Beevi Abdul Kader College for Women
An Autonomous Institution Affiliated to Alagappa University,
Karaikudi by the Seethakathi Trust, Chennai.
Re-accredited with A Grade by NAAC (CGPA: 2.89)
ISO 9001:2015 Certified Institution
Kilakarai – Ramanathapuram District- 623517

SUBMITTED BY,
ZIYANA IZZA.A
(REGNO. 21MSY0005)

A report submitted to the department of psychology in partial fulfilment for



The degree of Master of Science in Psychology

Internship programme

March 2022

Thassim Beevi Abdul Kader College for Women

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Kilakarai – Ramanathapuram District- 623517

SUBMITTED BY,

Zuvairiya bin ayub ali

(REGNO. 21MSY0004)

A report submitted to the department of psychology in partial
Fulfilment for



The degree of Masters of Science in Psychology

Internship programme March

2022

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A Report submitted to the

Department of Psychology

For the partial fulfillment of the degree of

MASTERS OF SCIENCE

In Psychology

By

N. SAJIN SOFIA

(Registration No. 22MSY0004)



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

KILAKARAI - 623517, TAMIL NADU, INDIA

NOVEMBER - 2023

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Kilakarai – Ramanathapuram District- 623517

SUBMITTED BY,

RIFA

(REGNO. 21MSY0004)

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Fulfilment for

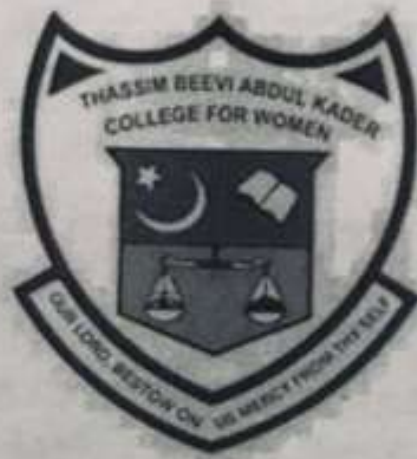


The degree of Masters of Science in Psychology
Internship programme
March 2022

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Kilakarai – Ramanathapuram District- 623517

SUBMITTED BY,
ARSATH SHAFI.M
(REGNO. 21MSY0001)

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Internship programme

March 2022

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Kilakarai – Ramanathapuram District- 623517

SUBMITTED BY,
MEERA. Y
(REGNO. 21MSY0003)

A report submitted to the department of psychology in partial fulfillment
for



The degree of Master of Science in Psychology

Internship programme

March 2022

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SUBMITTED BY,
KAMARU RUHAINA SIKKANDAR
(REGNO. 21MSY0002)

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The degree of Master of Science in Psychology

Internship programme

March 2022

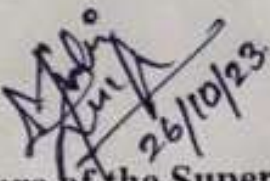
Thassim Beevi Abdul Kader College for Women

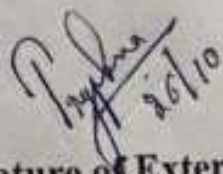
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26/10/23
Signature of the Supervisor


26/10
Signature of External Examiner

**A STUDY ON FEAR OF NEGATIVE APPEARANCE EVALUATION
AND SELF-ESTEEM AMONG COLLEGE STUDENTS**

Dissertation submitted to the

Thassim Beevi Abdul Kader College for Women

For the partial fulfillment of the requirement for the award of the Degree of

BACHELOR OF SCIENCE,

In Psychology

By

ALMAS FATHIMA M

(Registration No: 20BSY0005)

Under the Supervision of

Ms. TEHSEEM FATHIMA Z

Assistant Professor

Department Of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

KILAKARAI – 623517, TAMIL NADU, INDIA.

APRIL – 2023

**COMPARATIVE STUDY ON EXAMINATION ANXIETY AND
SELFESTEEM AMONG CENTRAL BOARD AND STATE BOARD
SCHOOL STUDENTS.**

Project Report in partial fulfillment of the requirement for the

Degree of

BACHELOR OF SCIENCE IN PSYCHOLOGY

by

AMIRTHAVARSHINI M

(Register no: 20BSY6)

Under the supervision of

MS. OLISTA

(Assistant professor of psychology)



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN

(Autonomous & Re-Accredited)

ISO 9001:2015 Certified institution

KILAKARAI-623517

APRIL-2023

**A STUDY ON FEAR OF NEGATIVE APPEARANCE EVALUATION
AND SELF-ESTEEM AMONG COLLEGE STUDENTS**

Dissertation submitted to the

Thassim Beevi Abdul Kader College for Women

For the partial fulfillment of the requirement for the award of the Degree of

BACHELOR OF SCIENCE

In Psychology

By

FATHIMA NOWRA M

(Registration No. 20BSY007)

Under the Supervision of

Ms. TEHSEEM FATHIMA Z

Assistant Professor

Department Of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

KILAKARAI – 623517, TAMIL NADU, INDIA.

APRIL – 2023

**A STUDY ON SELF-ESTEEM AND COMMUNICATION SKILL
AMONG ADOLESCENTS**

Dissertation submitted to the

Thassim Beevi Abdul Kader College for Women

For the partial fulfillment of the requirement for the award of the Degree of

BACHELOR OF SCIENCE

In Psychology

by

FATHIMA SAHINA S

(Registration No: 20BSY0009)

Under the Supervision of

Ms. A.BASMINA

Assistant Professor,

Department Of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

KILAKARAI – 623517, TAMIL NADU, INDIA.

APRIL – 2023

A STUDY ON PSYCHOLOGICAL WELL BEING,
WORK AND SOCIAL ADJUSTMENT ON NUCLEAR FAMILY
AND JOINT FAMILY AMONG YOUNG ADULTS

Dissertation submitted to the

Thassim Beevi Abdul Kader College for Women

For the partial fulfilment of the requirement for the award of the Degree of

BACHELOR OF SCIENCE

In Psychology

by

FAZEELA SULTHANA J

(Registration No: 20BSY0010)

Under the Supervision of

Ms J OLISTA ,

Assistant Professor,

Department of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

KILAKARAI – 623517, TAMIL NADU, INDIA.

APRIL – 2023

**STUDY ON PERCEIVED STRESS AND RELATIONSHIP SATISFACTION AMONG
MARRIED MEN AND MARRIED WOMEN**

*Dissertation submitted to the
Thassim Beevi Abdul Kader College for Women
For the partial fulfillment of the requirements for the award of the degree of*

**BACHELOR OF SCIENCE
In Psychology**

by
HASEENA KHATOON SN
(Registration No: 2018SY0024)

Under the Supervision of
Ms. RABEENA FATHIMA R
Assistant Professor
Department of Psychology



**DEPARTMENT OF PSYCHOLOGY
THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,
(An Autonomous Institution)
KILAKARAI – 623517, TAMIL NADU, INDIA.
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**A STUDY ON PSYCHOLOGICAL WELL-BEING,
WORK AND SOCIAL ADJUSTMENT ON NUCLEAR FAMILY
AND JOINT FAMILY AMONG YOUNG ADULTS**

Dissertation submitted to the

Thassim Beevi Abdul Kader College for Women

For the partial fulfilment of the requirement for the award of the Degree of

BACHELOR OF SCIENCE

In Psychology

by

IRFANATHUS SAHDHIYYA A

(Registration No: 20BSY0013)

Under the Supervision of

Ms JOLISTA ,

Assistant Professor,

Department of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

KILAKARAI – 623517, TAMIL NADU, INDIA.

APRIL – 2023

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Thassim Beevi Abdul Kader College for Women

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BACHELOR OF SCIENCE

In Psychology

By

JEEVA HARINI M

(Registration No: 20BSY0014)

Under the Supervision of

Ms. TEHSEEM FATHIMA Z

Assistant Professor

Department Of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

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**BACHELOR OF SCIENCE
In Psychology**

by

JESIRA FATHIMA H

(Registration No: 20BSY0015)

Under the Supervision of
Ms. RABEENA FATHIMA R
Assistant Professor
Department of Psychology



**DEPARTMENT OF PSYCHOLOGY
THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,
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**A STUDY ON HAPPINESS AND LIFE SATISFACTION
AMONG COLLEGE STUDENTS**

Dissertation submitted to the

Thassim Beevi Abdul Kader College for Women

For the partial fulfilment of the requirement for the award of the Degree of

BACHELOR OF SCIENCE

In Psychology

By

MUFRIHA MF

(20BSY0017)

Under the Supervision of

Ms. Z TEHSEEM FATHIMA

Assistant professor

Department Of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

KILAKARAI – 623517, TAMIL NADU, INDIA.

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**QUALITY OF SLEEP AND QUALITY OF WORK LIFE: A STUDY
AMONG COLLEGE TEACHERS.**

Dissertation submitted to the

Thassim Beevi Abdul Kader College for Women

For the partial fulfilment of the requirement for the award of the Degree of
Bachelor of Science in Psychology

by

MUNEESWARI M

(20BSY0018)

Under the supervision of

Ms. Ziya Arun

Assistant Professor

Department of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

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Bachelor of Science in Psychology

by

NOORUL IHSHANA M

(20BSY0019)

Under the supervision of

Ms. Ziya Arun

Assistant Professor

Department of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

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**A STUDY ON SELF-ESTEEM AND ACADEMIC ADJUSTMENT AMONG
COLLEGE STUDENTS BASED ON THEIR MEDIUM OF INSTRUCTION IN
SCHOOL.**

Dissertation submitted to the

Thassim Beevi Abdul Kader College for Women

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BACHELOR OF SCIENCE

in Psychology

by

RAKSHANA B

(Registration No: 20BSY0021)

Under the Supervision of

Ms. J OLISTA

Assistant Professor

Department of Psychology



DEPARTMENT OF PSYCHOLOGY

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in Psychology

by

RAKSHANA B

(Registration No: 20BSY0021)

Under the Supervision of

Ms. J OLISTA

Assistant Professor

Department of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

KILAKARAI – 623517, TAMIL NADU, INDIA.

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AMONG ADOLESCENTS**

Dissertation submitted to the

Thassim Beevi Abdul Kader College for Women

For the partial fulfillment of the requirement for the award of the Degree of

BACHELOR OF SCIENCE

In Psychology

by

REHANA PARVEEN M

(Registration No: 20BSY0022)

Under the Supervision of

Ms. A.BASMINA

Assistant Professor,

Department Of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

KILAKARAI – 623517, TAMIL NADU, INDIA.

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Thassim Beevi Abdul Kader College for Women

For the partial fulfilment of the requirement for the award of the Degree of

BACHELOR OF SCIENCE

in Psychology

by

SALIMA BANU A

(Registration No: 20BSY0025)

Under the Supervision of

Ms. J OLISTA

Assistant Professor

Department of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

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Thassim Beevi Abdul Kader College for Women
For the partial fulfilment of the requirements for the award of the degree of*

**BACHELOR OF SCIENCE
In Psychology**

by
SANGAVIS
(Registration No: 20BSY0026)

Under the Supervision of
Ms. RABEENA FATHIMA R
Assistant Professor
Department of Psychology



DEPARTMENT OF PSYCHOLOGY
THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,
(An Autonomous Institution)
KILAKARAI – 623517, TAMIL NADU, INDIA.
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A STUDY ON THE RELATIONSHIP BETWEEN RESILIENCE AND LIFE SATISFACTION AMONG MARRIED WOMEN IN NUCLEAR AND JOINT FAMILY

Project Report in partial fulfillment of the requirement for the Degree of

BACHELOR OF SCIENCE IN PSYCHOLOGY

Submitted by

SANGEETHA R (REG NO. 20BSY0027)

Under the Supervision of

Ms.R.RABEENA FATHIMA

Assistant Professor Department of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

KILAKARAI-623517, TAMIL NADU, INDIA

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**A STUDY ON GRATITUDE AND SELF-ESTEEM AMONG COLLEGE
STUDENTS**

Dissertation submitted to the

Thassim Beevi Abdul Kader College for Women

For the partial fulfillment of the requirement for the award of the Degree of

BACHELOR OF SCIENCE

In Psychology

By

SIDDIKA T A

(Registration No: 20BSY0029)

Under the Supervision of

Ms. TEHSEEM FATHIMA Z

Assistant Professor

Department Of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

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Thassim Beevi Abdul Kader College for Women

For the partial fulfilment of the requirement for the award of the Degree of

BACHELOR OF SCIENCE

In Psychology

By

THASBIHA BEGUM M

(20BSY0030)

Under the Supervision of

Ms. Z TEHSEEM FATHIMA

Assistant professor

Department Of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

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Dissertation submitted to the

Thassim Beevi Abdul Kader College for Women

For the partial fulfilment of the requirement for the award of the Degree of

BACHELOR OF SCIENCE

In Psychology

By

MOHAMED SAFRA S

(Registration No: 19BSY0021)

Under the Supervision of

Ms. Mubin Zulfa M

Assistant professor,

Department of psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

KILAKARAI – 623517, TAMIL NADU, INDIA.

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**A STUDY ON FOREIGN LANGUAGE ANXIETY, SOCIAL ANXIETY
AND PERCEIVED STRESS AMONG DYSLEXIC AND NON-
DYSLEXIC STUDENTS**

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Thassim Beevi Abdul Kader College for Women

For the partial fulfilment of the requirement for the award of the Degree of

MASTER OF SCIENCE

In Psychology

by

KAMARU RUHAINA SIKKANDAR

(Registration No: 21MSY0002)

Under the Supervision of

Ms. A. BASMINA

Assistant Professor,

Department of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

KILAKARAI – 623517, TAMIL NADU, INDIA.

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**A STUDY ON THE RELATIONSHIP BETWEEN PROCRASTINATION
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For the partial fulfilment of the requirement for the award of the Degree of

MASTER OF SCIENCE

In Psychology

By

ZUVAIRIYA BIN AYUB ALI

(Registration No: 21MSY0006)

Under the Supervision of

Ms. MUBIN ZULFA M

Assistant Professor,

Department of Psychology



DEPARTMENT OF PSYCHOLOGY

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN,

(An Autonomous Institution)

KILAKARAI – 623517, TAMIL NADU, INDIA.

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FACULTY EDITORS

Ms B Seeni Rahfu Nisha MA.,B.Ed

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CHIEF EDITOR

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I MA English

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B Dharshini

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LAYOUT DESIGNERS

F Francis Selastinal

N Ishwariya

I MA English

PHOTOGRAPHERS

G Lakshmi

V Riyashni

I MA English

REPORTERS

K Hema Harini

M Nihila Fathima

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I MA English

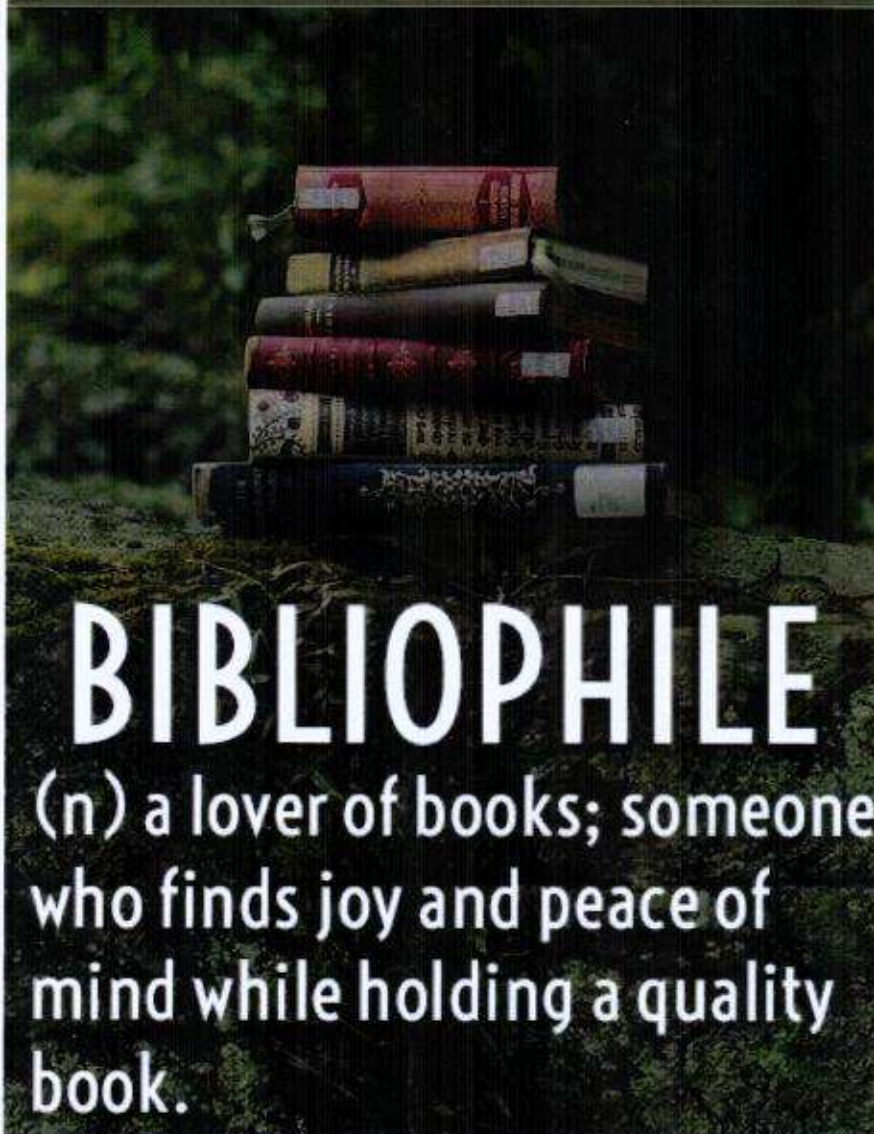
CONTENTS

2
**GROUP OF
TWENTY**

4-6
**INTERVIEWS WITH
INCREDIBLE PEOPLE**

8
**LIFE NEAR WATER:
MANDAPAM**

17
**A MINUTE OF
TEETH**



BIBLIOPHILE
(n) a lover of books; someone who finds joy and peace of mind while holding a quality book.

22
SIGNIFICANT EVENTS

Some of the most important days of
2023

(i)
Editor's Note

7
Ride The Riddle

10
DIGITAL MARKETING
A thoughtful article telling costs and benefits

12
BOOK FAIR 2023
A short account on book fair held in Ramanathapuram

13
REVIEW: MOVIES-PELLICULE EXAMEN
Opinions on some celebrated movies

14
HEALTHY TREAT
A healthy snack for appetite inducing

19
POETRY PARK
A compilation of poems from our deep mind

15
EMPOWERING STUDENTS
A writing declaring various schemes of both State and Central Governments for students

21
BREAKING BARRIERS
Creating awareness on donating blood for good cause



It is great pride and privilege that we are writing this message to present TBAK Times Year 2023, this magazine holds a special place in our hearts of I MA English students. Since day 1, we poured our passion and interest into this magazine to make this come true. What we wanted to show through this magazine is our "ONENESS" as everyone one of us holds knowledge of each and every article written inside this magazine. We are grateful to our faculty editors who helped us by shedding light on our path in creating this memento called Magazine. We hope you all will enjoy this Magazine as much as we did while sculpting it. Thank you.

- P.M.Rakshana
Chief Editor



भारत 2023 INDIA

वसुधैव कुटुम्बकम्

ONE EARTH • ONE FAMILY • ONE FUTURE

**Great responsibility
and Diverse
ambitions**

**GROUP
OF
TWENTY**

K Hema Harini

I MA English

Since independence, India has not had the opportunity to host an international event like chess olympiad, upcoming G-20 summit. We are proud to say that our country will host the G-20 summit this year. It's our country's honor and the group believes that we can do that. India's G-20 summit theme is "Vasudha Kutumbakam" means "The world is one family" these are taken from our ancient Sanskrit text of the maha upanishad. This theme explains all living beings on earth are a family.

The G-20 or Group of Twenty is an intergovernmental forum comprising 19 countries and the European Union. It was established in 1999 as a platform for finance ministers and central bank governors to discuss international economic and financial issues. Member countries are Argentina, Australia, Brazil, Canada, China, France, Germany, India, Indonesia, Italy, Japan, Mexico, Russia, Saudi Arabia, South Africa, South Korea, Turkey, United Kingdom, United States, European Union. This forum of the world's major developed and developing economies, the G20 regularly meet to coordinate global policy on Economic growth, International trade, Climate change mitigation and sustainable development. Together the countries account for over 80% of the global GDP, 75% of International trade and two-thirds of the world population.

SDG goal 1 : No poverty-The G-20 summit is a forum of the world's leading economies and not specific to any one country. However, India is a member of the G-20 and has committed to achieving the United Nations Sustainable Development goals. India has taken several initiatives to reduce poverty, including social welfare programs such as the National Rural Employment Guarantee Act and the Pradhan Mantri Jan Dhan Yojana to eradicate poverty in all its forms and dimensions.

The G20 Summit is held annually with a rotating presidency, and in 2023 India will hold the presidency. As India began its G-20 presidency PM Narendra Modi said the country would work to further promote oneness inspired by the theme. This summit will be held from 9 to 10 September 2023 in Pragati Maidan, New Delhi.

Remarkable Reporter

Being a student reporter is not easy. It needs hard work, dedication, and a willingness to learn from mistakes. But for those who are passionate about it, the rewards are significant. Here, Sangamithra who is doing her final year in Bachelor of English Literature in Thassim Beevi Abdul Kader college for Women, Kilakarai, Ramanathapuram. Let's dive into the interview with her to know more about her.

You might've interviewed a lot of people before. But have you ever got interviewed before this?

Definitely no. I don't know whether I deserved for this or not. But the truth is, it not a big problem to interview a normal person. Because everyone has a story, no matter whom they are. And I believe it very much. Moreover that I always like to interview a normal people like frontline workers, farmers and small vendors. Of course, I have interviewed three celebrities named Madan Gowri, GV Prakash and Lokesh Kanagaraj. I got inspired and learned so many things from them.

What's the reason behind starting to work at such a young age? Where and how do you get passion for this?

Seriously, I didn't feel like I am working. Just I love the thing I am doing. I know one day I will achieve my dream. But its little bit early and also this is the first step. Moreover that I don't know how I got this passion. From my school days, I just told everyone that I will become a Film Maker. Everyone laughed including my teachers since my passion is different from others. Now, they are all proud of me.



SANGAMITHRA

After starting to work for such a reputed journal called VIKATAN, in what ways do you exhibit your skills and what are the other things that you thought you needed improve to sustain in this field?

From my childhood, I like to read, write, speak and explore. And these are the only things I know. I also got a chance in Vikatan because of interests and passion. Once started to read, write and speak in a professional way it's quite different and difficult. Because my article will be read by so many people and they will be watching my interviews.

Relentless Rukshana

So, each and every word is very important. And every word must have the truth. So, I improved myself a lot. I am not a Journalism or VISCOM student but got trained by so many senior Reporters. In my first article I got so many mistakes starting from the spelling mistakes to the usage of words, the way of writing etc. But now I can write an article like a pro. In my very first video I didn't know how to speak, how to stand or how to ask a question. Gradually, I learnt and I improved and still I am learning.

How did you get recruited into this field of journalism??

While I was in my second year of my English Literature degree, one of my lecturers, Mrs. Visalatchi told me about the SMART REPORTER in VIKATAN. Then I applied for it. Actually it was a very long process. I had an interview for more than 6 months. There were totally 5 rounds. Three rounds went through online and another two rounds took place in Madurai and Chennai. More than 2600 students attended this interview from all over the Tamil Nadu. Among those, only 52 students were selected and I was one of the 52 students. My parents had my back in the hardest time.

Other than being a young reporter, does our Sangamithra have any remarkable talents?

As I already said I love to read, write and speak. But the main thing is I always wanted my writing, reading and speaking must be useful to others. After I completed my schoolings, I started my own YouTube Channel, Mithi Facts. There I tell a Fact, give a Book Review and write Poetry. I have uploaded more than 300 videos. I swear every video is totally useful.

Any fierce words to the readers to ignite their minds?

I started my reading habit with a Newspaper. After that I started to read books then Journals. And I always ask my friends to read a lot. Because reading will improve oneself other than anything. We gain knowledge through reading. We can learn anything and everything by reading. If we want to improve ourselves; no doubt reading is the only solution.



People are not sitting down, people are taking action and women are at the forefront of these actions. Here we have Ms. Aysath Rukshana, an 18-year old SDG Activist who is currently pursuing Second year undergraduates in Cyber security. She is a world record holder who is also honoured with Youth Lifetime Achievement award by the Rotary Club and **has been honoured to meet the Prime Minister, Shri, Narendra Modi, Central Minister, Shri. M.K Stalin**, Ministers, MP's, MLA's at various occasions while getting recognised for her good works. Read this passionate youth working with 15+ organisations and under 17 SDG's share her story on sculpting her from scratch !!!

As a person working with 15+ organizations and 17 SDGs, can you share your best experience of all time?

Well, all my life I have been wanting to learn a lot of things. I must agree this 3 years of experience with a lot of organizations has definitely taught me everything at every step. I would say the best experience, my first conclave with SKILLS REFORM. That was the first ever platform I got a chance to be on. In fact, the beginning of my work life. So after many levels of selections, they selected me as

a moderator for the Global students Leadership conclave-2021, wherein students across the globe took part. That was the first stage I had online which made me realize that there is a world like this which I never knew.

How do you feel as a recipient for The world record holder in the orange book of records?

This orange book of records was the one I did with 'motivative Thamizha' and honestly this was such a big event! I took part in the Kannitamil category and had a lot of pleasure doing that. Basically this event back in 2021 gave me a lot of friends to travel with for a lifetime.

What is the biggest challenge that you foresee in the market?

The availability of a lot of workers who comparatively can work overtime and with less wages irrespective of the quality of the work make me think that this could be an emerging challenge. Apart from that, the main plus we can look forward to is the fact that the least developed are emerging towards becoming developing countries. In that context, you have a lot of opportunities coming your way! Gear it up!!

Tell about your book 'I can't breathe' which is present in COP '27, Egypt?

I am working as a director at Earth Safety Valve, an NGO with members from 14+ countries where we educate and empower people on climate action. On the occasion of COP '27 at Egypt, we had been picked up by the UN's member organizations to do an awareness programme for the COP '27. That's when, the founder Ms. Ratna and our team with 10+ members joined our hands together to publish a book on life before and after homosapiens with regards to COP '27.

From the graphics to contents, we had to make sure everything was in good hands. In fact, we organized an awareness program in Tamilnadu on educating young minds on COP' 27 which involved more than 100 kids from Kannadi Vaapa International school, Kanjinakudi, taking part.



Then, we successfully published the book and were there in the headlines for the good work we did in the district, state, national and international level media. Till now, the book has been selling at vast amounts while educating lots of youngsters on the good.

Describe your leadership style and who motivated you to become an expertise person?

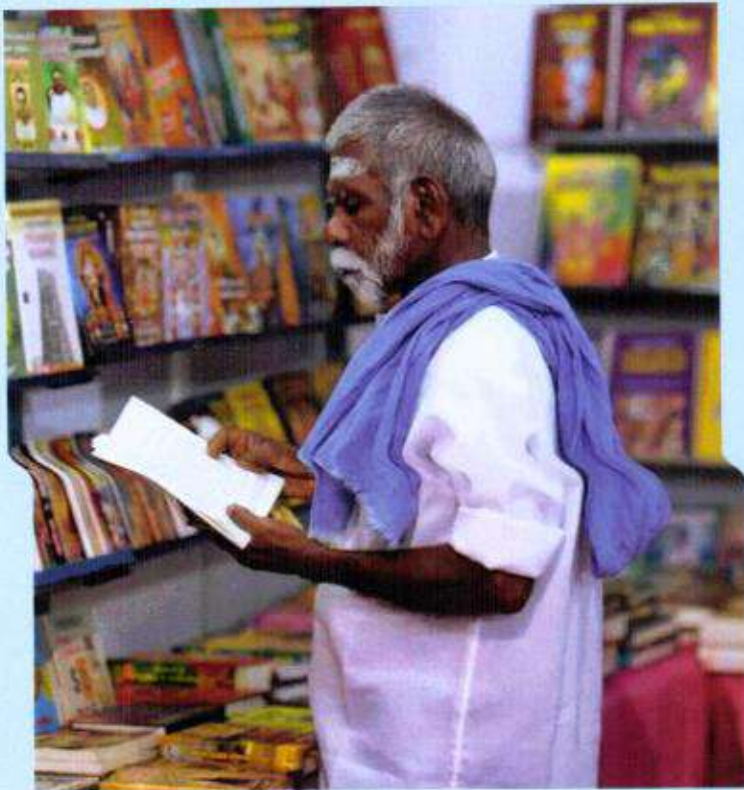
I have had a lot of good leaders leading me in great ways in each of my work places. Seeing them, one main thing we need to be conscious of before moving on is to understand the pace of those whom we're leading and then get things done by going their way alone. Yes this involves understanding them a lot physically and mentally, but at last in the rush of getting the work done you can't forget the fact that you're working with a human!

Motivation? yes, I do get frustrated, irritated, unhappy and yes, I do get tired of doing things simultaneously yet I love it but then my complete trust in Almighty and wanting to do better over and over again has taken me to places that I never imagined.



Explore the World of Books!

The fifth book fair, "MUGAVAI SANGAMAM" was held from 09/02/23 to 19/02/23 at Raja school ground in Ramanathapuram. The collector of our district, Johny Tom Varghese announced this and said that the district administration has planned to organize a few unique and novel initiatives during this fair due to the overwhelming response came from book lovers. The main objective was to enhance the habit of reading among all sections and age group of people which would develop the faculties of students other than academics. By the district administration and 'Kalai Ilakkiya Arvalargal Sangam,' a literary forum, consisting of 114 stalls. Over two lakh books authored by hundreds of writers were on sale till February 19.



SDG 4: Quality Education - The Mugavai Sangamam Book Fair promotes education and literacy by providing a platform for publishers, authors, and booksellers to showcase their work and reach a wider audience. The fair also features interactive activities and events aimed at promoting reading and literacy among visitors, especially children.

M NIHILA FATHIMA I MA English



Noted writers and columnists took the participation in the book fair as several eminent writers were invited to speak at the venue and cultural programmes were organized every day and competitions were conducted for school and college students and the winners received prizes in the occasion. Paintings and herbal plants were kept on display. There were stalls selling traditional food at the venue. Tagline Competition for book fair for all ages was conducted before the commencement of the fair. The competition was a great opportunity for students and the best tagline which won was awarded with coupon prizes.



Report for Evs trip - CMFRI and National park Mandapam

An environmental study is the field of science which involves more of the social sciences for understanding human relationships, perceptions and policies towards the environment. Our first year ug students have the environmental science paper in their syllabus which also covers field trip. 41 students were present to the trip under one faculty Ms K Ganishka. The trip was arranged by the IQAC, college bus was provided for the travel. The journey of the evs trip with 41 students and one faculty begins at 10.00am, left the college campus.


The trip involves the visit to CMFRI and the National park Mandapam. On the arrival of CMFRI, we went to the museum and then to the fish culture laboratory. In CMFRI Museum Ramkumar, the lab assistant, detail explained the various species of fishes and other sea animals and its breeding characters. Next we have explored the various species of plants present in the National park, Mandapam. Students gained knowledge on various sea animals preserved in museum and varieties of fishes and its culturing techniques in the laboratory. After the visit, students returned back to the college by 3.00pm.



Submitted by

Ms K Ganishka




 **GPS Map Camera**

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Long 78.780591°
29/10/22 02:34 PM GMT +05:30





 **GPS Map Camera**

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DEPARTMENT OF COMPUTER SCIENCE & RESEARCH CENTRE ACADEMIC YEAR: 2022 - 2023 (EVEN SEMESTER) LAB QUIZ MARK

Class: II BSc Computer Science

Semester: IV

Sub Code: HBCSC43P

Sub Name: Visual Programming Lab

S. No.	Register Number	Student Name	Lab e-Quiz (10)	Total Quiz Marks (5)
1	18BCS0031	G.S.SREEMATHI	10	5
2	21BCS0001	K.AFNOSHA	9	4.5
3	21BCS0003	M.DEVAKI	10	5
4	21BCS0004	D.DHARANI	9	4.5
5	21BCS0005	G. ILAKKIYA	9	4.5
6	21BCS0006	S.JANNATHUL MAGRIFA	10	5
7	21BCS0007	S. JARIN FATHIMA	9	4.5
8	21BCS0008	G JAYA SRI	10	5
9	21BCS0009	A. KARNIYA	10	5
10	21BCS0010	B.KAVIA	10	5
11	21BCS0011	S.KAYATHRI	10	5
12	21BCS0012	KEERTHANA	9	4.5
13	21BCS0013	P. MAHADHIYA BANU	10	5
14	21BCS0014	A.MAHATHARSHINI	10	5
15	21BCS0015	S.MARIYA MINISHA	10	5
16	21BCS0016	M.MATHASRI	10	5
17	21BCS0017	M. MEYYA JANANI	10	5
18	21BCS0018	M.MOMITHA NAWRIN	10	5
19	21BCS0019	S.MOUNIKA	9	4.5
20	21BCS0020	B.NARMATHA MUNESHWARI	10	5
21	21BCS0021	S.PREMA	10	5
22	21BCS0023	S. SALAMATH PARVEEN	9	4.5

23	21BCS0024	B.SAMSU ASHINA	10	5
24	21BCS0025	M.SANJALICA	10	5
25	21BCS0026	D.SHANMUGA PRIYA	10	5
26	21BCS0027	B. SHANMUGA PRIYA	9	4.5
27	21BCS0028	M.SHARMILA	9	4.5
28	21BCS0029	M.SHOBIKA	10	5
29	21BCS0030	A.SNOFIYA MARIAM	10	5
30	21BCS0032	R.SWETHA	9	4.5
31	21BCS0033	S SYED SUMAIYA	10	5
32	21BCS0034	M.VANIKA	10	5
33	21BCS0035	C.VARSHINI	9	4.5
34	21BCS0036	K.VELU NATCHIYAR	9	4.5
35	21BCS0038	P. UVADHARSHINI	8	4
36	21BSC0037	YAZHINI.V	9	4.5


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Ms S Habeeb Mohamed Sathak
Amina


HOD/IC
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II BSc Computer Science - Practical Quiz

HBCSC43P - Visual Programming Lab

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2023/03/28 6:31:13 PM GMT+5:30	snofiya2004@gmail.com	10.00 / 10	21BCS0030	A.Snofiya Mariam
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2023/03/28 6:31:43 PM GMT+5:30	mathasri781@gmail.com	10.00 / 10	21bcs0016	M.mathasri
2023/03/28 6:33:55 PM GMT+5:30	sri640342@gmail.com	10.00 / 10	21bcs0008	G Jaya Sri
2023/03/28 6:34:47 PM GMT+5:30	swethar1110@gmail.com	9.00 / 10	21bcs0032	R.swetha
2023/03/28 6:34:59 PM GMT+5:30	bshanmuga252@gmail.com	9.00 / 10	21bcs0027	B. Shanmuga priya
2023/03/28 6:35:45 PM GMT+5:30	devakidevaki552004@gmail.com	10.00 / 10	21BCS0003	M.Devaki
2023/03/28 6:36:07 PM GMT+5:30	sumisyed2002@gmail.com	10.00 / 10	21BCS0033	S syed sumaiya
2023/03/28 6:37:44 PM GMT+5:30	mariyaminisha1@gmail.com	10.00 / 10	21bcs0015	S.Mariya Minisha
2023/03/28 6:40:22 PM GMT+5:30	jannathulmahrifa@gmail.com	10.00 / 10	21bcs0006	S.Jannathul magrifa
2023/03/28 6:43:55 PM GMT+5:30	yazhinigayu420@gmail.com	9.00 / 10	21bcs0037	Yazhini.v
2023/03/28 6:47:44 PM GMT+5:30	sanjalica282003@gmail.com	10.00 / 10	21bcs0025	M.sanjalica
2023/03/28 6:47:46 PM GMT+5:30	sureshk031979@gmail.com	10.00 / 10	21bcs0011	S.kayathri
2023/03/28 6:51:17 PM GMT+5:30	bkavia0@gmail.com	10.00 / 10	21bcs0010	B.kavia

2023/03/28 6:53:49 PM GMT+5:30	keerthanamuniasamy44@gmail.com	9.00 / 10	21bcs0012	Keerthana
2023/03/28 6:55:21 PM GMT+5:30	iyyapankarnika@gmail.com	10.00 / 10	21bcs0009	A. Kamiya
2023/03/28 6:56:43 PM GMT+5:30	sanmuga055@gmail.com	10.00 / 10	21BCS0021	S.prema
2023/03/28 6:57:41 PM GMT+5:30	mahatharshinia@gmail.com	10.00 / 10	21BCS0014	A.MAHATHARSHINI
2023/03/28 7:11:54 PM GMT+5:30	aafnasha@gmail.com	9.00 / 10	21BCS0001	K.Afnosha
2023/03/28 7:16:32 PM GMT+5:30	vanikaavs@gmail.com	10.00 / 10	21bcs0034	M.vanika
2023/03/28 8:32:04 PM GMT+5:30	ma0609928@gmail.com	10.00 / 10	21BCS0013	P. Mahadhiya Banu
2023/03/28 9:51:45 PM GMT+5:30	momithanawrin@gmail.com	10.00 / 10	21BCS0018	M.Momitha Nawrin
2023/03/29 9:46:55 AM GMT+5:30	sreemathiaravind5@gmail.com	10.00 / 10	18bcs0031	g.s.sreemathi
2023/03/29 9:47:37 AM GMT+5:30	narmathabal08@gmail.com	10.00 / 10	21bcs0020	B.Narmatha Muneshwari
2023/03/29 12:32:10 PM GMT+5:30	shirinramnad@gmail.com	9.00 / 10	21BCS0007	S Jarin Fathima

HBCSC43P - VISUAL PROGRAMMING LAB

II BSc Computer Science 2022 - 2023 (Even Semester)

* indicates required question

1. Email *

2. Register Number *

3. Student Name *

Answer all the Questions.

4. In visual basic _____ is the extension to represent project file.

1 point

Mark only one oval.

.frm

.vbp

.cls

.vb

Other: _____

5. The function procedures are _____ by default.

1 point

Mark only one oval.

public

private

protected

None of the above

Other: _____

6. _____ is a method which moves the focus to the specified control or form. 1 point

Mark only one oval.

- Setfocus
- Lostfocus
- Gotfocus
- None of the above
- Other: _____

7. _____ is the process of finding and removing errors. 1 point

Mark only one oval.

- Checking
- Compiling
- Debugging
- Quick watch
- Other: _____

8. _____ loop repeats a group of statements for each item in a collection of objects or for each element of an array. 1 point

Mark only one oval.

- While loop
- Do Until loop
- Do while loop
- For each loop
- Other: _____

_____ function returns the intervals between two dates in terms of years, months
(or days). 1 point

Mark only one oval.

DateDiff()

DateIn()

DateFix()

DiDate()

Other: _____

10. _____ control executes the timer events at specified intervals of time. 1 point

Mark only one oval.

Clock

Frame

Timer

Digital

Other: _____

11. The _____ allows direct exit from a For loop, Do loop, Sub procedure, or
Function procedure. 1 point

Mark only one oval.

Break

Exit

Exit for

Exit Do

Other: _____

12. _____ indicates whether a particular condition is on or off.

1 point

Mark only one oval.

Text box

List box

Combo box

Check box

Other: _____

13. Frame Control acts as a _____

1 point

Mark only one oval.

Container

Method

Event

Class

Other: _____

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**DEVELOPMENT AND QUALITY EVALUATION OF PROTEIN-ENRICHED
NUTRIBAR WITH GERMINATED BLACK CHICKPEA FLOUR FOR
PROTEIN-ENERGY MALNUTRITION CHILDREN.**

*Dissertation submitted to the
Thassim Beevi Abdul Kader College for Women
For the partial fulfilment of the requirements for the award of the degree of
Master of Science in Home Science- Nutrition and Dietetics*

by

S.ASHIFA SHAHANI

(21MND0002)

Under the Supervision of
MS. K.M. Buvaneswari



**DEPARTMENT OF HOME SCIENCE AND RESEARCH CENTRE
THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN
(An Autonomous Institution)**

KILAKARAI – 623517, TAMIL NADU, INDIA.

April 2023

**EFFECT OF REPLACEMENT OF WHITE SUGAR WITH PALM JAGGERY ON
PHYSICO - CHEMICAL, SENSORY AND STORAGE CHARACTERISTICS OF
WHEAT CAKE**

Dissertation submitted to the

Thassim Beevi Abdul Kader College For Women

For the partial fulfilment of the requirements for the award of the degree of

Master of Science in Home Science – Nutrition And Dietetics

by

K.ADAIKALAM NANCY

(Registration No :21MND0001)

Under the supervision of

Ms.R.Lakshmi Shree



DEPARTMENT OF HOME SCIENCE AND RESEARCH CENTRE

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN

(An Autonomous Institution)

KILAKARAI-623517, TAMIL NADU, INDIA.

APRIL 2023

**DEVELOPMENT OF READY TO EAT HIGH PROTEIN AND HIGH FIBER
BASED FUNCTIONAL FOOD (GRANOLA BAR).**

*Dissertation submitted to the
Thassim Beevi Abdul Kader College for Women
For the partial fulfilment of the requirements for the award of the degree of
Master of Science in Home Science- Nutrition & Dietetics*

By

S. Raihanathul Basariya

21MND0005

Under the Supervision of

M. Shifana Fathima.



**DEPARTMENT OF HOME SCIENCE & RESEARCH CENTRE
THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN**

(An Autonomous Institution)

KILAKARAI – 623517, TAMIL NADU, INDIA.

April 2023

TITLE OF THE DISSERTATION
ASSESSMENT OF EATING HABITS IN CURRENT
LIFESTYLE OF ADOLESCENT GIRLS AROUND
RAMANATHAPURAM DISTRICT

Dissertation submitted to the
Thassim Beevi Abdul Kader College for Women
For the partial fulfilment of the requirements for the award of the degree of

Master of Science
In Nutrition & Dietetics



By

Sumaiya A.

(21MND0007)

Under the Supervision of:

Ms. J.R. Shiny Joe

Assistant Professor,

Department of Home science & Research Center

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April 2023

**PREVALENCE OF NON COMMUNICABLE DISEASES AND
OTHER FACTORS AMONG SELECTED ADULT POPULATION
OF FISHERMEN'S COMMUNITY IN RAMANATHAPURAM
DISTRICT**

*Dissertation submitted to the
Thassim Beevi Abdul Kader College for Women
For the partial fulfillment of the requirements for the award of the degree of
Master of Science in Nutrition and Dietetics*

By

SAFRIN RAHUMATH R

(21MND0006)

Under the Supervision of

Dr. S. MUTHUMAREESWARI, PH.D



(DEPARTMENT OF HOME SCIENCE AND RESEARCH CENTER)

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN

(An Autonomous Institution)

KILAKARAI – 623517, TAMIL NADU, INDIA.

April 2023

**EVALUATION OF NUTRITIONAL STATUS AND ASSESSMENT
OF NUTRITIONAL KNOWLEDGE, ATTITUDE, PRACTICE AND
EFFECT OF NUTRITIONAL COUNSELING ABOUT ANAEMIA
AMONG COLLEGE GOING ADOLESCENT GIRLS**

Dissertation submitted to

Thassim Beevi Abdul Kader College for Women

for the partial fulfilment of the requirements for the award of the degree of

**Master of Science
in
Nutrition and Dietetics**

by

**Dharani M
(21MND0003)**

Under the supervision of
Ms A Nishath Najni



**DEPARTMENT OF HOME SCIENCE & RESEARCH CENTRE
THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN**

(An Autonomous Institution)

KILAKARAI-623517, TAMIL NADU, INDIA

APRIL-2023

**DEVELOPMENT OF FOOD
PRESERVATIVES GEL BY USING
SARGASSUM ILICIFOLIUM**

*Dissertation submitted to the
Thassim Beevi Abdul Kader College for Women
For the partial fulfillment of the requirements for the award of the degree
of
Master of Science in Nutrition & Dietetics*

by

V. KAVIA FREETHA

21MND0004

Under the Supervision of

Dr. S.SUMAYA

Co-Guide

Ms.M. SOWBIYA BANU



**HOMESCIENCE AND RESEARCH CENTER
THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN
(An Autonomous Institution)
KILAKARAI - 623517, TAMIL NADU, INDIA.**

April 2023

*A Study on Discord and Disillusionment of
Educated Women in Shashi Deshpande's Dark
Holds No Terrors*

*Dissertation submitted to the
Thassim Beevi Abdul Kader College for Women
For the partial fulfillment of the requirements for the award of the degree
of
Master of Arts (MA English) in Humanities*

by
R. Kaviya Sri
(21MEG0004)

Under the Supervision of
DR.C.T. Dhanyamol PhD, SET



DEPARTMENT OF ENGLISH
THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN
(An Autonomous Institution)
KILAKARAI – 623517, TAMIL NADU, INDIA
April 2023

CERTIFICATE

This is to certify that the work contained in the Dissertation entitled *A Study on Discord and Disillusionment of Educated women in Shashi Deshpande's Dark Holds No Terrors* submitted by **R.Kaviya Sri** (Reg. No ; 21MEG0004 for the award of the degree of **MA English** to the **Thassim Beevi Abdul Kader College for Women, Kilakarai** is a record of bonafide research works carried out by her under my direct supervision.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university/college.

Date: 10.4.2023
Place: Kilakarai

10/4/23
Signature of the Supervisor

Dr.C..T Dhanyamol
Assistant Professor
Department of English
Thassim Beevi Abdul Kader College for Women

Approved by

10/4/23
Internal Examiner

10/4/23
Head of the Department
Head Department of English
TBAK College
Kilakarai - 623 517
10 APR 2023

10/4/23
External Examiner

(Dr. Ti. Devaki)

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I certify that

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- d. Whenever I have used materials (data, theoretical analysis, and text) from other sources, I have given due credit to them by citing them in the text of the thesis and giving their details in the references.
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Date: 10.4.2023

Place: Kilakarai

R. Kaviya Sri

21MEG0004

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I take this opportunity to express my sincere and heartfelt thanks to Prof Dr. S. Sumaya, Principal, Thassim Beevi Abdul Kader College for Women, Kilakarai and Dr. M. S. Irfan Ahmed, Director – Research of our institute for providing the necessary infrastructures, suggestion and facilities to carry out this project work.

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I record my deep sense of gratitude to my research supervisor Dr. C.T Dhanyamol PhD,SET , Department of English, Thassim Beevi Abdul Kader College for Women, Kilakarai. It is not possible to describe in words the way she lifted my spirits through her guidance at the time of research. I could not have asked for more than what she has given me in the form of guidance and constant encouragement.

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R. Kaviya Sri

ABSTRACT

The Dark Holds No Terrors is a novel written by Shashi Deshpande, an Indian woman novelist. This novel explores the trauma of a middle-class working women who has become a trap in the male dominated society. Deshpande picturizes her women characters as a victim of modern society. Though the female character in this novel undergoes certain trauma, she decides not to protest against the oppression openly through breaking her family life. The novel projects the typical Indian society. Indian society expects man as the head of the family who earns more than any other member of the family. Saritha, the female protagonist of the novel is seen strong as compared to her husband Manohar. Her economic independence and her position as well-established doctor made her husband feel inferior. Being the head of the family, he wants to have control over his wife. This unconsciously develops a strange behavior which leads to sexual sadism. She became two – in – one woman, in day time a doctor and during night a terrified trapped animal in the hands of her husband Manohar. Shashi Deshpande presents a realistic picture of the middle- class educated women who are economically independent and who represent a larger part of the contemporary Indian society. Through her novels she has presented the problems and conflicts of educated middle class women who have to reconcile to the traditions and customs in spite of their desire to prove their individual identity in the society. Shashi Deshpande, realizing the norms and values of the Indian culture, tradition and society, does not deny the necessity of the existence of man in woman's life, but she does not accept the total subjugation of woman before man. In the present study the researcher would be investigating discord and disillusionment of the protagonist, Sarita in a traditional bound Indian society. For this, the notion of feminism against men would be used as the theoretical framework for the study.

Key words : *Struggles, Educate , Gender Discrimination, Terrified, Sex, Trapped .*

<u>Content Details</u>		<u>Page No.</u>
Title Page		i
Certificate by the Supervisor(s)		ii
Declaration		iii
Acknowledgements		iv
Abstract		v
Contents		
Chapter 1	Introduction	1-9
	<i>1.1 Introduction</i>	1
	<i>1.1.1 Background of the study</i>	2-4
	<i>1.2 Theory introduction</i>	5
	<i>1.3 Past Condition of Theory</i>	6
	<i>1.4 Present condition of Theory</i>	7
	<i>1.5 Statement of the Problem</i>	7
	<i>1.6 Aim</i>	8
	<i>1.7 Research Questions</i>	8
	<i>1.8 Objectives</i>	8
	<i>1.9 Need for the Study</i>	8
	<i>1.10 Divisions of the Chapters</i>	9
Chapter 2	Literature Survey	10-18
	<i>2.1 Introduction</i>	10
		10
	<i>2.2 Theoretical Framework</i>	11
	<i>2.3 Literature Review</i>	
Chapter 3	Methodology	19-21
	<i>3.1 Introduction</i>	19
	<i>3.2 Rational of the Study</i>	19
	<i>3.3 Methodology</i>	20
	<i>3.4 Research Design</i>	20
	<i>3.5 Work plan</i>	21

	Results And Discussion	22-33
Chapter 4		
4.1	<i>Introduction</i>	22
4.2	<i>Analysis of the work</i>	22
4.3	<i>Application of theory</i>	23
4.4	<i>Meet out of objectives</i>	24
Chapter 5	Conclusion and Future Scope	34-38
5.1	<i>Summary of the project</i>	34
5.2	<i>Research Findings</i>	35
5.3	<i>Implications of the study</i>	35
5.4	<i>Limitations of the study</i>	36
5.5	<i>Conclusion of the study</i>	37
5.6	<i>Scope of Future research</i>	38
	<i>References</i>	39-40

**A STUDY ON THE STATUS OF WOMEN
ENTREPRENEURSHIP IN RAMANATHAPURAM
DISTRICT:**

with special reference to Kilakarai

Dissertation submitted to

Thassim Beevi Abdul Kader College for Women

for the partial fulfilment of the requirements for the award of the degree of

BACHELOR OF COMMERCE WITH COMPUTER APPLICATION

Submitted by

RIFSATH RASHANA. M (20BCC0049)

ROOLA FATHIMA. S (20BCC0051)

SAMSU NISHA. S (20BCC0053)

SARA ZULFA. B (20BCC0054)

SHAHANA YASMIN. N (20BCC0055)

USAIDH ASHRA.M(20BCC0063)

VISITHRA. P (20BCC0065)

Under the Supervision of

R. AROCKIA ANISIA, M.Com, M.Phil



**PG & RESEARCH DEPARTMENT OF COMMERCE
THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN
(AUTONOMOUS & ACCREDITED BY NAAC WITH 'A' GRADE)
ISO 9001:2015 CERTIFIED INSTITUTION
KILAKARAI – 623517, TAMIL NADU, INDIA
APRIL – 2023**

CERTIFICATE

This is to certify that the work contained in the thesis entitled “**A STUDY ON THE STATUS OF WOMEN ENTREPRENEURSHIP IN RAMANATHAPURAM DISTRICT: with special reference to Kilakarai**”, submitted by **RIFSATH RASHANA. M (20BCC0049), ROOLA FATHIMA. S (20BCC0051), SAMSU NISHA. S (20BCC0053) SARA ZULFA. B (20BCC0054), SHAHANA YASMIN. N (20BCC0055), USAIDH ASHRA.M(20BCC0063), VISITHRA. P (20BCC0065)** for the award of the degree of **Bachelor of Commerce with Computer Application** to **Thassim Beevi Abdul Kader College for Women, Kilakarai** is a record of bonafide research works carried out by her under my direct supervision.

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Date:

Place: Kilakarai

Signature of the Supervisor

R. AROCKIA ANISIA, M.Com, M.Phil

Assistant professor,

Department of Commerce.

Thassim Beevi Abdul Kader College for Women

Approved by

Head of the Department

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External Examiner

DECLARATION

We certify that

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- b. The work has not been submitted to any other Institute for any degree or diploma.
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Place: Kilakarai

RIFSATH RASHANA. M (Regd No: 20BCC0049)

ROOLA FATHIMA. S (Regd No: 20BCC0051)

SAMSU NISHA. S (Regd No: 20BCC0053)

SARA ZULFA. B (Regd No: 20BCC0054)

SHAHANA YASMIN. N (Regd No:20BCC0055)

USAIDH ASHRA.M(Regd No:20BCC0063)

VISITHRA. P (Regd No:20BCC0065)

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We extend our gratitude to all my Classmates and Friends for their various help and encouragement at the right time.

The words cannot be sufficient to acknowledge the contribution of our lovable parents and siblings who will always remain the source of inspiration for us.

**RIFSATH RASHANA. M
ROOLA FATHIMA. S
SAMSU NISHA. S
SARA ZULFA. B
SHAHANA YASMIN. N
USAIDH ASHRA.M
VISITHRA. P**

ABSTRACT

Entrepreneurs play a key role in any economy. These are the people who have the skills and necessary initiatives to take some new ideas to market or provide a service and make the right decisions to make their ideas profitable. The educated Indian women have to go a long way to achieve equal rights and position because traditions are deeply rooted in Indian society where the sociological and psychological factors set up have been a male dominated one. Despite all the social hurdles, Indian women have been standing tall from the rest of the crowd and are applauded for their achievements in their respective fields. The transformation of the social fabric of the Indian society, in terms of the increased educational status of women and varied aspirations for better living, has necessitated a change in the lifestyle of every Indian woman. She has competed with man and successfully stood up with him in every walk of life and business is no exception for this. These women leaders are assertive, persuasive and willing to take risks. They have managed to survive and have succeeded in this cut throat competition with their hard work, diligence and perseverance. The present study has been an attempt to generate awareness and to understand the status of women entrepreneurship along with how important it is for the development of the world rationally, economically and in all spheres. An extensive literature review is done on women entrepreneurs. At the end some major problems faced by Indian women entrepreneurs, success stories of Indian women entrepreneurs, factors influencing women entrepreneurship and the perspective of different sections of the society about women entrepreneurship have been noted.

LIST OF ABBREVIATIONS

Abbreviation	Description
MSME	Ministry of Micro, Small & Medium Enterprises
ROI	Return on investment
EQ	Emotional Quotient
NITI Aayog	National Institution for Transforming India, Government of India.

LIST OF CONTENTS

S.NO.	PARTICULARS	PAGE NO.
	Title Page	i
	Certificate	ii
	Declaration	iii
	Acknowledgement	iv
	Abstract	v
	List of Abbreviations	vi
I	INTRODUCTION AND DESIGN OF THE STUDY	2-5
1.1	Introduction	2
1.2	Statement of the Problem	3
1.3	Objectives of the Study	3
1.4	Research Methodology	3-4
1.5	Limitation of the Study	4
1.6	Tools for Analysis	4-5
1.6.1	Chi-Square Test	4
1.6.2	Weighted Average	5
1.6.3	Coefficient of Correlation	5
1.7	Period of Study	5

II	REVIEW OF LITERATURE	7-13
2.1	Review of Literature	7-13
III	OVERVIEW	15-262
3.1	Meaning	15
3.2	History	15-18
3.2.1	18-19th century	15-16
3.2.2.	20th Century	16
3.2.3.	21st Century	17
3.2.4	Present Date	17
3.2.5	Future	18
3.3	Significance of Women Entrepreneurship In India	18
3.4	Role of Women In Indian Economy	18-19
3.5	Factors Driving Women To Start Business or Join Workforce	19-20
3.5.1.	Recognition	19
3.5.2.	Results	19
3.5.3.	Fulfilling Unmet Needs	19
3.5.4	Education	20
3.6.	Women Run Business Operate Efficiently	20-21
3.6.1.	Higher Return Potential	20

3.6.2.	Multi-Tasking	20
3.6.3	High Risk Appetite	20
3.6.4	Adaptability And Higher EQ	21
3.7	Government Initiatives To Encourage Women Participation	21-22
3.7.1.	Bharatiya Mahila Bank Business Loan	21
3.7.2.	Dena Shakti Scheme	21
3.7.3.	Udyogini Scheme	22
3.7.4.	Women Entrepreneurship Platform	22
3.7.5.	Pradhan Mantri Mudra Yojana	22
3.8.	Challenges Faced By Women Entrepreneurs In India	22-26
3.8.1.	Fewer Sectors Are Women Friendly	22-23
3.8.2.	Lack of Social And Institutional Support	23
3.8.3.	Poor Funding Prospects	23
3.8.4.	Lack of Access to Professional Networks	24
3.8.5	Pressure To Stick To Traditional Gender Roles	24
3.8.6	Lack of an Entrepreneurial Environment	24-25
3.8.7	Limited Mobility	25
3.8.8.	Lack of Education	25
3.8.9.	Low Risk-Bearing Ability	25
3.8.10.	Balancing Responsibilities Between Family & Business	26

IV	ANALYSIS AND INTERPRETATION	28-65
4.1	Introduction	28
4.2	Percentage Analysis	29-48
4.2.1	Age of The Respondents	29
4.2.2	Marital Status	30
4.2.3	Nature of Family	30
4.2.4	Duration of Business Operation	31
4.2.5	Sector of Business	32
4.2.6	Reason For Choosing To Be An Entrepreneur	33
4.2.7	Major Challenge Faced During The Start-Up Phase of Your Business	34
4.2.8	Overcoming These Challenges	35
4.2.9	Source of Funding For Business	35-36
4.2.10	Government Schemes You Are Aware of	36
4.2.11	Beneficiary of Government Schemes	37
4.2.12	Reasons For Not Applying To Government Schemes	37-38
4.2.13	Hours Spent For Business Per Week	38
4.2.14	Year of Establishing Business	39
4.2.15	Is It The First Company	40
4.2.16	If No,Status of The Previous Company Owned	40-41

4.2.17	Situation of The Current Company	41
4.2.18	Area of Operation Of The Company	42
4.2.19	Important Factor of Success	43
4.2.20	Use of Social Media Platforms For Promotion/Sales	44
4.2.21	The Platforms Used	44-45
4.2.22	Reason For Not Using Social Media Promotion	45
4.2.23	Duration For Gaining Success	46
4.2.24	Satisfaction With The Company	46-47
4.2.25	Reason For Dis-Satisfaction	47
4.2.26	Official Registration of Company	48
4.2.27	Willingness For Attending Entrepreneurship Workshops	48
4.3	Correlation Analysis	49-58
4.3.1	Karl Pearson's Coefficient of Correlation	49
4.3.2	Application of Coefficient of Correlation	50-51
4.3.3	Application of Coefficient of Correlation	52-54
4.3.4	Application of Coefficient of Correlation	54-56
4.3.5	Application of Coefficient of Correlation	56-58
4.4	Chi-Square Test	58-63
4.4.1	Steps	58-59
4.4.2	Degree of Freedom(V)	59

4.4.3	Application of Chi-Square	60-63
4.5	Application of Weighted Arithmetic Mean	63-65
V	FINDINGS AND SUGGESTIONS	67-71
5.1	Introduction	67
5.2	Summary	67
5.3	Findings	67-69
5.4	Suggestions	70-71
5.5	Conclusion	71
5.6	Future Scope	71

Bibliography

Appendix

LIST OF TABLES

S.NO.	PARTICULARS	PAGE NO.
4.2.1	Age of The Respondents	29
4.2.2	Marital Status	30
4.2.3	Nature of Family	30
4.2.4	Duration of Business Operation	31
4.2.5	Sector of Business	32
4.2.6	Reason for Choosing to be an Entrepreneur	33
4.2.7	Major Challenge Faced During the Start-up Phase of your Business	34
4.2.8	Overcoming these Challenges	35
4.2.9	Source of Funding for Business	35-36
4.2.10	Government Schemes you are Aware of	36
4.2.11	Beneficiary of Government Schemes	37
4.2.12	Reasons for Not Applying to Government Schemes:	37-38
4.2.13	Hours Spent for Business Per Week	38
4.2.14	Year of Establishing Business	39
4.2.15	Is it the First Company	40
4.2.16	If No, Status of the Previous Company Owned	40-41
4.2.17	Situation of the Current Company	41

4.2.18	Area of Operation of the Company	42
4.2.19	Important Factor of Success	43
4.2.20	Use of Social Media Platforms for Promotion/sales	44
4.2.21	The Platforms Used	44-45
4.2.22	Reason for Not Using Social Media Promotion	45
4.2.23	Duration for Gaining Success	46
4.2.24	Satisfaction with the Company	46-47
4.2.25	Reason for =Dis-Satisfaction	47
4.2.26	Official Registration of Company	48
4.2.27	Willingness for Attending Entrepreneurship Workshops	48
4.3.2	Relationship of Age and Educational Qualification	50
4.3.3	Relationship of Challenges and Success Factors	53
4.3.4	Relationship of Work Hours and Duration for Gaining Success	55
4.3.5	Relationship of Previous Companies and Reason for not Applying to Government Schemes.	57
4.4.3	Relationship Analysis	60
4.4.4	Calculation of Expected Frequency	61
4.4.5	Calculation of the Chi-Square Test	62
4.5	Application of Weighted Arithmetic Mean	65

**DISEASE PREDICTION WITH THE HELP OF SYMPTOMS
USING DATA MINING**

*Project submitted to the
Thassim Beevi Abdul Kader College for Women
for the partial fulfillment of the requirements for the award of the degree of*

Master of Computer Applications

by

**Rahumath Rahima Beevi J
21MCA0014**

Under the Supervision of
Dr. P. Senthil Kumari



**DEPARTMENT OF COMPUTER SCIENCE
AND RESEARCH CENTER
THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN
(An Autonomous Institution)
KILAKARAI – 623517, TAMIL NADU, INDIA.**

April 2023

CERTIFICATE

This is to certify that the work contained in the project entitled “**Disease Prediction with the help of Symptoms Using Data Mining**”, submitted by **Rahumath Rahima Beevi J (Reg No: 21MCA0014)** for the award of the degree of **Master of Computer Applications** to the **Thassim Beevi Abdul Kader College for Women, Kilakarai** is a record of bonafide research work carried out by her under my direct supervision.

I considered that the project has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the project have not been submitted for the award of any other degree or diploma in this or any other university / college.

Date: 11/04/2023.

Place: Kilakarai.

Signature of the Supervisor

Dr. P. Senthil Kumari,

Head In - Charge,

Department of Computer Science

and Research Center.

Thassim Beevi Abdul Kader College for Women.

Approved by:

Head of the Department

Internal Examiner

External Examiner

DECLARATION

I certify that

- a. The work contained in the project is original and has been done by myself under the supervision of my supervisor.
- b. The work has not been submitted to any other Institute for any degree or diploma.
- c. I have conformed to the norms and guidelines given in the Ethical Code of Conduct of the Institute.
- d. Whenever I have used materials (data, theoretical analysis, and text) from other sources, I have given due credit to them by citing them in the text of the project and giving their details in the references.
- e. Whenever I have quoted written materials from other sources and due credit is given to the sources by citing them.
- f. From the plagiarism test, it is found that the similarity index of whole project within 25% and single paper is less than 10 % as per the university guidelines.

Date: 11/04/2023.

Place: Kilakarai.

Rahumath Rahima Beevi J

21MCA0014

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The words cannot be sufficient to acknowledge the contribution of my lovable mother **Mrs. A. Syed Ali Fathima** who will always remain the source of inspiration for me.

Rahumath Rahima Beevi J

ABSTRACT

The Project “**Disease Prediction with the help of Symptoms Using Data Mining**” is an end user support and online consultation system. Here I propose a system that allows users to get instant guidance on their health issues through an intelligent health care system online. The system is fed with various symptoms and the disease/illness associated with those systems. The system allows user to share their symptoms and issues. It then processes user’s symptoms to check for various illnesses that could be associated with it. The proposed system includes a prediction system that patient can get consultations from various doctors for their health issues. In the medical area, decisions usually have very high threat and to avoid that threat result should be very precise with confirmation from doctors. In this proposed system, Here, I use some kind of intelligent data mining techniques and to guess the most accurate illness that could be associated with patient’s symptoms. A major objective is to evaluate data mining techniques in clinical and health care applications to develop accurate decisions. It also gives a detailed discussion of medical data mining techniques which can improve various aspects of Clinical Predictions. It is a new powerful technology which is of high interest in computer world. Admin module can easily add the specific type of diseases which is presented and then doctor module also be presented in the system. Based on the disease and symptom the data mining algorithm works. Here I use a proper guidance when the user specification symptoms of his illness.

Keywords: *Prediction – Disease – Symptoms – Data Mining– Decisions - Intelligent.*

LIST OF ABBREVIATIONS

Abbreviation	Description
ASP.NET	Active Server Page Dot Net
API	Application Programming Interface
BCL	Base Class Library
CLI	Common Language Infrastructure
CLR	Common Language Runtime
CTS	Common Type System
DBMS	Database Management System
DFD	Data Flow Diagram
IIS	Internet Information Services
NGWS	Next Generation Windows Services
SQL	Structured Query Language
UML	Unified Modeling Language
UI	User Interface
WPF	Windows Presentation Foundation
WCF	Windows Communication Foundation
WWF	Windows Work Flow Foundation
WCS	Windows Card Space

LIST OF FIGURES

Figure No.	Figure Description	Page No.
	Chapter 3	
	SYSTEM ARCHITECTURE	
3.1	Work Flow of Disease Prediction (Admin Side)	13
3.2	Work Flow of Disease Prediction (Doctor Side)	14
3.3	Work Flow of Disease Prediction (Patient Side)	15
3.4	UML Diagram of Disease Prediction	16
3.5	Use case Diagram of Disease Prediction	16
3.6	Sequence Diagram of Disease Prediction	17
3.7	Class Diagram of Disease Prediction	18
	DATA FLOW DIAGRAM	
3.1	Data Flow Diagram of Doctor's Registration	20
3.2	Data Flow Diagram of Patient's Registration	20
3.3	Data Flow Diagram of Admin Login	21
	MODULES	
3.1	Doctor's Registration	24
3.2	Patient's Registration	25
3.3	Admin Login	25
3.4	Admin Page	26
3.5	Doctor Page	26
3.6	Patient Page	27
3.7	Disease Prediction	28
3.8	Appointments	28
	Chapter 4	
	DISEASE PREDICTION RESULTS	
4.1	Search Disease	29
4.2	Predicted Disease	30

LIST OF TABLES

Table No.	Table Description	Page No.
	Chapter 3	
	DATA BASE DESIGN	
3.1	Districts	9
3.2	Specialization	
3.3	Doctor Registration	10
3.4	Patient Registration	
3.5	Disease Prediction	11
3.6	Appointments	12

CONTENTS

<u>Content Details</u>	<u>Page No.</u>
Title Page	i
Certificate by the Supervisor	ii
Declaration	iii
Acknowledgements	iv
Abstract	v
List of Abbreviations	vi
List of Figures	vii
List of Tables	viii
Contents	ix
Chapter 1 Introduction	
<i>1.1 About the Project</i>	1
<i>1.2 Problem Statement of the Project</i>	2
<i>1.3 Objectives of the Project</i>	3
<i>1.4 Organization of the Project</i>	4
Chapter 2 Literature Survey	
<i>2.1 Review of Literature</i>	
2.1.1 Prediction Literature Works	
2.1.2 Heart Disease Literature Works	5
2.1.3 Chronic Disease Literature Works	
2.1.4 Disease Framework Literature Works	
Chapter 3 Implementation and Methodology Used	
<i>3.1 Implementation</i>	6
3.1.1 Front End - C#	7

3.1.2 Back End - SQL Server	
3.1.3 Framework – ASP.NET	8
3.1.4 DataBase Design	
3.2 System Architecture	12
3.2.1 Work Flow	13
3.2.2 UML Diagram	15
3.2.3 Use case Diagram	16
3.2.4 Sequence Diagram	17
3.2.5 Class Diagram	18
3.2.6 Data flow Diagram	19
3.3 Apriori Algorithm	21
3.2.1 Existing System	
3.3.2 Proposed System	22
3.4 Methodology Used	
3.4.1 Modules	23
3.4.2 Modules Description	24
Chapter 4 Results and Discussion	29
4.1 Disease Prediction Results	
Chapter 5 Conclusion and Future Enhancement	
5.1 Conclusion	31
5.2 Future Enhancement	
5.3 Appendices	32
5.3.1 Coding	
5.4 Screen Shots	56
5.5 References	65

CHAPTER 1

1. INTRODUCTION

1.1 ABOUT THE PROJECT

Disease Prediction with the help of symptoms using Data Mining is a system which primarily works according to the symptoms given by a user. The disease is predicted using algorithms and of the datasets with the symptoms provided by the user. There are currently a lot of health institutions that has been developed such as hospitals and medical centers which are crucial to maintain and improve the health of the community around us. It is a prime establishment of giving proper health care especially for every one of us who have ever lived. For every illness and disease that people may face today and sometime in the future, it is because of these medical institutions and all the doctors who worked at these places that have made our lives physically better and healthy. With all of these issues mentioned, solutions are needed to be made and that is where a health prediction system should be implemented which could potentially eliminate these concerning issues. Hence, the current research proposes to apply data mining for smart health prediction.

DATA MINING

Data mining can be described as a process of searching patterns or correlations from large data sets to valuable information that can solve problems and predict outcomes. It involves analyzing certain amount of information to locate certain patterns of occurrence to predict future tendencies, using several processes of effective data collection, warehousing and computer processing. With this functionality therefore, it serves a great purpose when it comes to predict people's health diseases especially on finding correlation between the health information that has been given by both the medical staff and the patient. These finds may provide a beneficial advantage in the healthcare industry as it may be used to manage patients on their current health issues and for doctor to alleviate them from their jobs. It is a prime establishment of giving proper health care especially for every one of us who have ever lived. Although hospitals now are well-equipped with their staff working, there are still known issues that still persists that because the staff to make poor clinical decision that affects a patient's health such as the lack of qualified doctors, unorganized health information and poor communications between doctors and patients.

DISEASES PREDICTED

The health industry has been growing a lot from past few years. This technique has gained a lot of importance in medical areas. It has been calculated that a care hospital may generate five terabytes of data in the year. In our day to day life we have lot of other problems to deal with and we neglect our health problems. So in order to overcome such problem we have designed user friendly website which helps users to get diagnosed from their residence at any time. Data mining has variety of scopes in major fields some of which are listed below:

- Administration of health services
- Clinical care
- Medical research
- Training

To analyze large amount of data, data mining technique is used. For each subfield of Clinical Predictions, and also presented how clinical data warehousing in combination with data mining can help administrative, clinical, research and educational aspects of Clinical Predictions.

1.2 PROBLEM STATEMENT OF THE PROJECT

- The proposed system suggested will predict the disease based on the symptoms and severity rating entered by the user and by considering user's previous medical history to predict the possible disease and also provide them with homemade remedies to give some instant relief to the user.
- In the proposed work, I try to overcome this barrier by introducing a generalized approach of disease prediction where several common and frequent disease that happen to humans in daily life are predicted.
- A method for identifying frequency of diseases in particular geographical location for a given period of time using Apriori data mining technique based on association rules is proposed.
- This system tends to replace the existing system for going to the doctor for getting diagnosis on illness you are suffering from to a smart solution where user get instant diagnosis entering symptoms in the system.

- In my proposed system I use data mining method where user entered their symptoms.
- Symptoms are cross checked in the database and frequent item sets are mined out of the existing database.
- The proposed system is an efficient algorithm implemented for the diagnosis of diseases.

1.3 OBJECTIVES OF THE PROJECT

- There is a need to study and make a system which will make it easy for end users to predict the diseases without visiting physician or doctor for diagnosis.
- To detect the Various Diseases through the examining Symptoms of patient's using different techniques.
- There are currently a lot of health institutions that has been developed such as hospitals and medical centers which are crucial to maintain and improve the health of the community around us.
- We also provide an option for booking an appointment with the doctor to discuss health related problems and get diagnosed properly.

1.4 ORGANIZATION OF THE PROJECT

- This project aims **to predict the disease on the basis of the symptoms**. The project is designed in such a way that the system takes symptoms from the user as input and produces output to predict disease.
- In Chapter 1 describes about the entire project of Disease Prediction with the help of symptoms using Data Mining. Here, I proposed the Data Mining Techniques with the help of Apriori Algorithms to relate the objects between them by using the association rules.
- In Chapter 2 Review of Literature fully describes about the research papers of author's perspective and deeply analyze the new kind of proposed system.
- In Chapter 3 describes about the Implementation and methodology used. Here, I used new kind of implementation in my projects and describes the modules of each steps.

- In Chapter 4 describes about the Results and Discussion about the projects, after verifying the each segments of the projects, it will be easily analysing the predicting the disease.
- In Chapter 5 describes about the Conclusion and Future Enhancement has been processed by scope of my project.

CHAPTER 2

2. LITERATURE SURVEY

2.1 REVIEW OF LITERATURE

2.1.1 PREDICTION LITERATURE WORKS

In the paper “Smart health prediction system using data mining”[1] the author has discussed many topics related to data mining techniques such as Naive Bayes, KDD (Knowledge discovery in Database).

The Bayesian statistics can be applied to economic sociology and other fields. The paper “A Smart Health Prediction Using Data Mining” [2] is explaining the similar topics to the paper [1].

2.1.2 HEART DISEASE LITERATURE WORKS

In the Paper [3] “Heart Disease Prediction Using Effective Machine Learning Techniques”, the author has discussed about the patients symptoms caused due to his illness.

2.1.3 CHRONIC DISEASE LITERATURE WORKS

In the paper “Chronic disease risk prediction using distributed machine learning classifiers.” [3] Here, the author explained detailed of the internal algorithms used in the system. Most of the topics covered are on the system architecture.

In this paper the design aspects of the system are primarily focused. In this paper [4] the author has given a detailed framework to beat the downside of existing system.

2.1.4 DISEASE FRAMEWORK LITERATURE WORKS

In the paper [5] the author applies the data mining process to predict hypertension from patient medical records with eight other diseases. And the Smart Health Framework is used to implement the design aspects of the project.

In the paper [6] the author said that data mining can be applied on health data for a wide range of purposes and examinations. Adequately coordinating and productively examine different types of Healthcare data over some stretch of time can answer a large number of approaching Healthcare issues.

In this Paper [7] author says that Information mining strategies are frequently used to characterize whether a patient is typical or having coronary illness.

CHAPTER 3

3. IMPLEMENTATION AND METHODOLOGY USED

3.1 IMPLEMENTATION

Each program is tested individually at the time of development using the data and has verified that this program linked together in the way specified in the program specification the computer system and its environment is tested to the satisfaction of the user. The system that has been developed is accepted and proved to be satisfactory for the user. A simple operating procedure is included so that the user can understand the different function clearly and quickly. Initially as a first step the executable form of the application is to be created and loaded in the common server machine which is accessible to the entire user and the server is to be connected to a network. The final stage is to document the entire system which provides components and the operating procedure of the system. Here, I use Apriori algorithm is one of the most basic and popular algorithms for association rules mining. Apriori is designed to operate on databases containing the objects between relationships of association rules. In the Apriori algorithm, every transaction is seen as itemsets, with a given threshold, the algorithm will identify the item, which is subset at least by minimum threshold as new items.

The proposed work is implemented Intel(R) Core(TM) 1.80 GHz processor, 512 MB RAM, 40 GB HDD in a hardware requirements. Here I use ASP.NET framework and to make C# programming language as the entire frontend. The middle tier or code behind model is designed in HTML. And sql serves as a backend to store data. Implementation is the most curial stage in archiving a successful system and giving the user confidence that the new system is workable and effective. Implementation of a modified application to replace an existing one this type of conversion is relatively easy to handle, provide there are no major changes in the system.

3.1.1 FRONT END - C#

Here, I Propose C# programming language encompassing strong typing, imperative, declarative, functional, generic, object-oriented (class-based) and component-oriented programming disciplines. It was developed by Microsoft within its .Net initiative and later approved as a standard by ECMA and ISO. C# is one of the programming languages designed for the Common Language Infrastructure

A hybrid of C and C++, It is a Microsoft programming language developed to compete with Sun's Java language. C# is an object-oriented programming language used with XML-based Web services on the .NET platform and designed for improving productivity in the development of Web applications. C# boasts type-safety, garbage collection, simplified type declarations, versioning and scalability support, and other features that make developing solutions faster and easier, especially for COM+ and Web services. Microsoft critics have pointed to the similarities between C# and Java.

3.1.2 BACK END - SQL SERVER

Here, I Propose the SQL (Structured Query Language) is a special-purpose programming language designed for managing data held in a relational database management system (RDBMS). Microsoft SQL Server is a relational database management system developed by Microsoft. As a database, it is a software product whose primary function is to store and retrieve data as requested by other software applications, be it those on the same computer or those running on another computer across a network (including the Internet). Generically, any Database Management System (DBMS) that can respond to queries from client machines formatted in the SQL language. When capitalized, the term generally refers to either of two database management products from Sybase and Microsoft. Both companies offer client-server DBMS products called SQL Server.

3.1.3 FRAMEWORK – ASP.NET

Here, I Propose the ASP.NET framework for building great websites and web applications using HTML, CSS etc. It can also create Web APIs and use real-time technologies like Web Sockets. ASP.NET Core is an alternative to ASP.NET.

ADVANTAGES

- **Speed.** With ASP.NET, you can develop a website with relative quickness. This is because of the many beneficial features of the language.
- **Rich controls.** ASP.NET comes with the huge collection of rich server and client side controls that you can use to develop interactive grids, wizards, calendars, etc.
- **Security.** ASP.NET comes with built-in security that allows support for authorization, authentication and other options for implementation with Kerberos, NTLM as well other standard.

3.1.4 DATABASE DESIGN

- Database Design is the organization of data according to Database model.
- The designer determines what data must be stored and how the data elements interrelate.
- With this information, they can begin to fit the data to the database model.
- A database management system manages the data accordingly.
- Here, a list of Tables is mentioned as Columns name and Data Types.
- Here, I propose the 6 major tables, they are: Districts, Specialization, Doctor Registration, Patient Registration, Disease Prediction, and Appointments.
- In each Table, we can easily add the item of the datasets and give the each datatype name.

DISTRICTS

Column name	Data type
Dist Id	Int
District	Varchar(50)

Table 3.1: Districts

In the above table is mentioned as districts. In this table you can easily add the district id and district name and to check the doctor as nearest place. Here, I includes Column name and Data type, and I create an Dist Id, Dist name as Column names and the data type is mentioned as the Dist Id as Integer type and district name as Varchar.

SPECIALIZATION

Column name	Data type
Sp Id	Int
Specialization	Varchar(50)

Table 3.2: Specialization

In the above table is mentioned as specialization. In this table you can easily identify the doctors specialization and to consult them easily. Here, I includes Column name and Data type, and I create a specialization id and its name as Column names and the data type is mentioned as the Specialization Id as Integer type and specialization name as Varchar.

DOCTOR REGISTRATION

Column name	Data type
Reg no	Varchar(50)
Doctor name	Varchar(50)
District	Varchar(50)
Addr	Varchar(max)
Email	Varchar(50)
Contact	Varchar(50)
Specialization	Varchar(50)
Uname	Varchar(50)
Pwd	Varchar(50)

Table 3.3: Doctor Registration

In the above table is mentioned as Doctor's Registration. In this table doctors can be easily registered their id, name, district, address, email, contact, specialization, username and password. After their registration process is completed. Doctors Username and Password is automatically generated to the registered doctors. So that Registered Doctors can be easily login to the doctor's portal. Here, I include Column name and Data type for the Doctor's Registration process.

PATIENT REGISTRATION

Column name	Data type
Patient Id	Varchar(50)
Nam	Varchar(50)
District	Varchar(50)
Addr	Varchar(50)
Email	Varchar(50)
Contact	Varchar(50)
Unam	Varchar(50)
Pwd	Varchar(50)

Table 3.4: Patient Registration

In the above table is mentioned as Patient's Registration. In this table Patients can be easily registered their id, name, district, address, email, contact, specialization, username and password. After their registration process is completed. Patients Username and Password is automatically generated to the registered doctors. So that Registered Doctors can be easily login to the doctor's portal. Here, I include Column name and Data type for the Patient's Registration process.

DISEASE PREDICTION

Column name	Data type
Disease Id	Int
Disease	Varchar(50)
Symptom	Varchar(max)
Type	Varchar(50)

Table 3.5: Disease Prediction

In the above table is mentioned as Disease. In this table doctors can be easily Predicted their Diseases by using several of Symptoms. By considering the symptoms of each diseases and their types has been predicted. Here, I mentioned as disease id, their symptoms and its types. After identifying the diseases it will be automatically predicted. Here, I include Column name and Data type for the Disease Prediction process.

APPOINTMENTS

Column name	Data type
Patient Id	Varchar(50)
Patient Name	Varchar(50)
Doctor name	Varchar(50)
Place	Varchar(50)
Date	Date time
Time app	Date time

Table 3.6: Appointments

In the above table is mentioned as Appointment. In this table Patient's verify the nearest doctor for predicted their diseases and booked an appointment for the available doctor. So that, the notification will be generated to the appointed doctor's page and then doctor can be easily identify the patient's message and then confirm the appointment to diagnosis the patient. Here, I include Column name and Data type for booking appointments.

3.2 SYSTEM ARCHITECTURE

System architecture is the computational design that defines the structure and or behaviour of a system. An architecture description is a formal description of a system. Organized in a way that supports reasoning about the structural properties of the system. It defines the system components or building blocks provides a plan from which products can be procured, and systems developed, that will work together to implement the overall system. In this architectural structure, I briefly explained about the system work flow of disease prediction, UML Diagram, Use Case Diagram, Sequence Diagram and Class Diagram.

3.2.1 WORK FLOW

- According to the diagrams, It includes three work flow. Here, I provide a form that shows a list of symptoms. The user will input those symptoms that experiences.
- On the basis of selected symptoms the system will generate related disease. The system will show another form that contain some queries if the information for the disease is not enough.
- On the basics of the information a query is generated and the data base responses to that query.

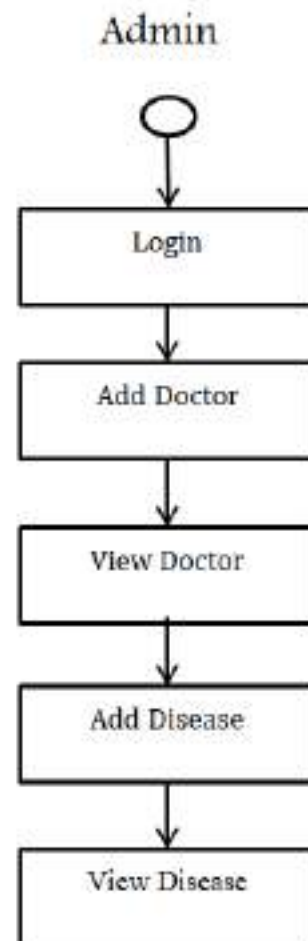


Figure 3.1: Work Flow of Disease Prediction (Admin Side)

In the above the Figure 3.1 is mentioned as Work Flow of Admin, The Admin work is to perform an Add the Doctor, View the Doctor, Add the Disease and View the Disease of my System. Admin can add disease details along with symptoms and type. Admin can view feedback provided by various users.

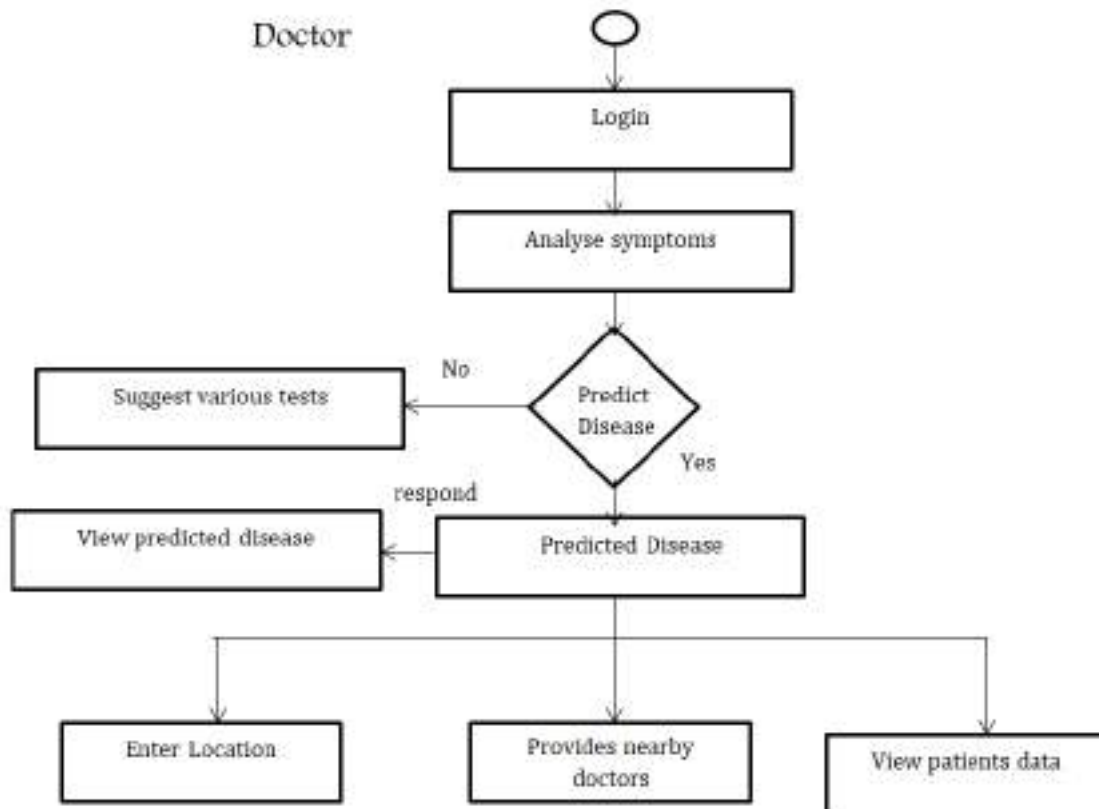


Figure 3.2: Work Flow of Disease Prediction (Doctor Side)

In the above the Figure 3.2 is mentioned as Work Flow of Doctor, The Doctor work is to perform an analyzing of symptoms, Doctor will access the system using his / her User ID and Password. Doctor can view Patient’s Personal Records of affected diseases and verify them to predicting the diseases.

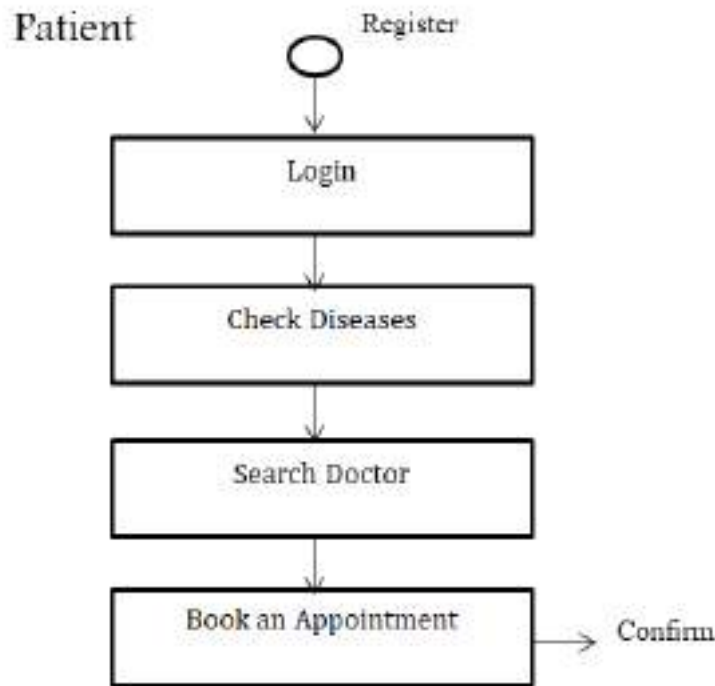


Figure 3.3: Work Flow of Disease Prediction (Patient Side)

In the above the Figure 3.3 is mentioned as Work Flow of Patient, Patient's work is to login to the system using his ID and Password. Patient will specify the symptoms caused due to his illness. Patient can search for doctor by specifying name, address or type.

3.2.2 UML DIAGRAM

UML stands for Unified Modeling Language. UML is a standardized general-purpose modelling language in the field of object-oriented software engineering. The Standard is managed, and was created by, the Object Management Group. The goal is for UML to become a common language for creating models of object oriented computer software. In its current form UML is comprised of two major components: a Meta-model and a notation. In the future, some form of method or process may also be added to; or associated with, UML. The UML represents a collection of best engineering practices that have proven successful in the modelling of large and complex systems.

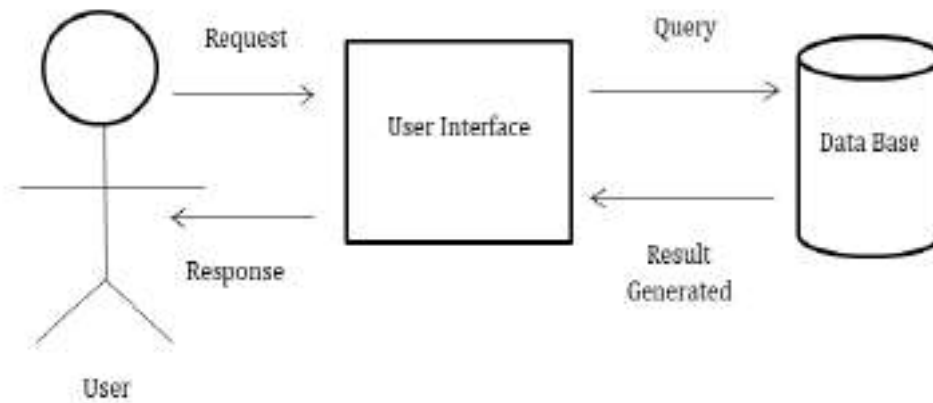


Figure 3.4: UML Diagram of Disease Prediction

3.2.3 USE CASE DIAGRAM

A use case diagram in the Unified Modeling Language (UML) is a type of behavioral diagram defined by and created from a Use-case analysis. Its purpose is to present a graphical overview of the functionality provided by a system in terms of actors, their goals (represented as use cases), and any dependencies between those use cases. The main purpose of a use case diagram is to show what system functions are performed for which actor. Roles of the actors in the system can be depicted.

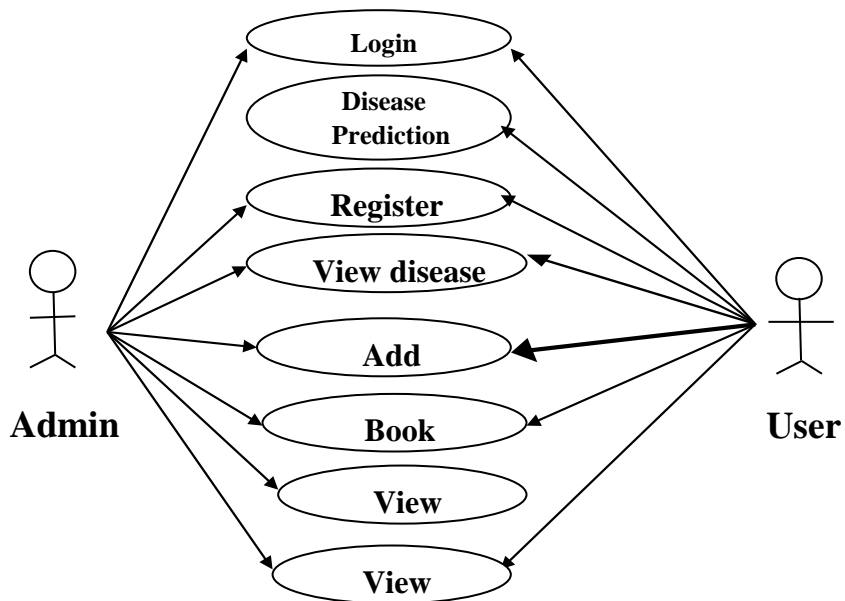


Figure 3.5: Use Case Diagram of Disease Prediction

3.2.4 SEQUENCE DIAGRAM

A sequence diagram in Unified Modeling Language (UML) is a kind of interaction diagram that shows how processes operate with one another and in what order. It is a construct of a Message Sequence Chart. Sequence diagrams are sometimes called event diagrams, event scenarios, and timing diagrams.

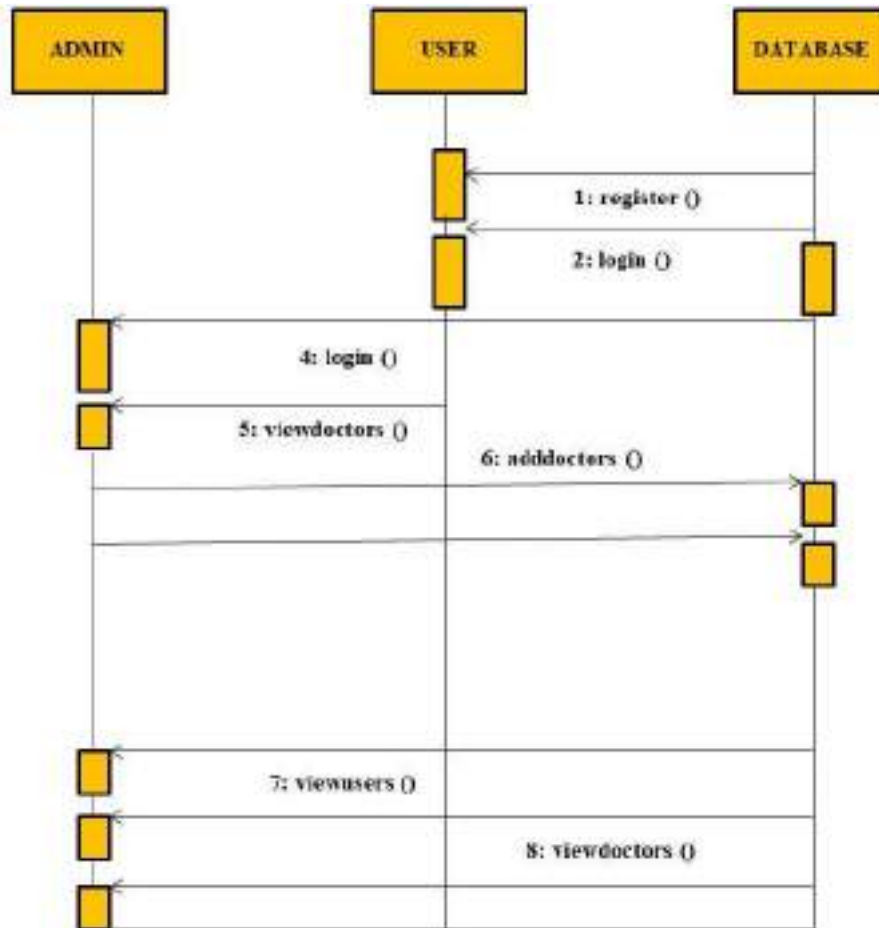


Figure 3.6: Sequence Diagram of Disease Prediction

3.2.5 CLASS DIAGRAM

In software engineering, a class diagram in the Unified Modeling Language (UML) is a type of static structure diagram that describes the structure of a system by showing the system's classes, their attributes, operations (or methods), and the relationships among the classes. It explains which class contains information.

....

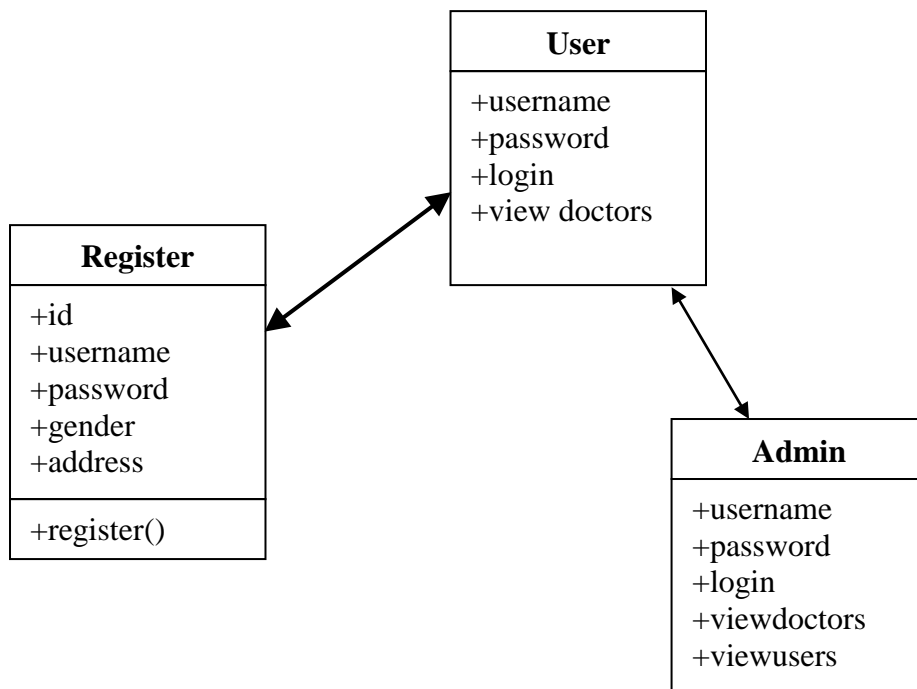


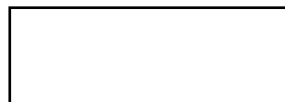
Figure 3.7: Class Diagram of Disease Prediction

3.2.6 DATA FLOW DIAGRAM

- The DFD is also called as bubble chart. It is a simple graphical formalism that can be used to represent a system in terms of the input data to the system, various processing carried out on these data, and the output data is generated by the system
- The Data Flow Diagram (DFD) is one of the most important modelling tools. It is used to model the system components. These components are the system process, the data used by the process, an external entity that interacts with the system and the information flows in the system.
- DFD shows how the information moves through the system and how it is modified by a series of transformations. It is a graphical technique that depicts information flow and the transformations that are applied as data moves from input to output.
- DFD is also known as bubble chart. A DFD may be used to represent a system at any level of abstraction. DFD may be partitioned into levels that represent increasing information flow and functional detail.

NOTATION SOURCE OR DESTINATION OF DATA

External sources or destinations, which may be people or organizations or other entities.



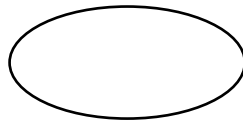
DATA SOURCE

Here the data referenced by a process is stored and retrieved.



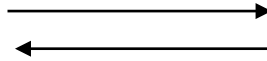
PROCESS

People, procedures or devices that produce data. The physical component is not identified.



DATA FLOW

Data moves in a specific direction from an origin to a destination. The data flow is a “Packet” of data.



DATA FLOW DIAGRAM

DOCTOR REGISTRATION

Doctor can register them and login to the system to view the appointments.

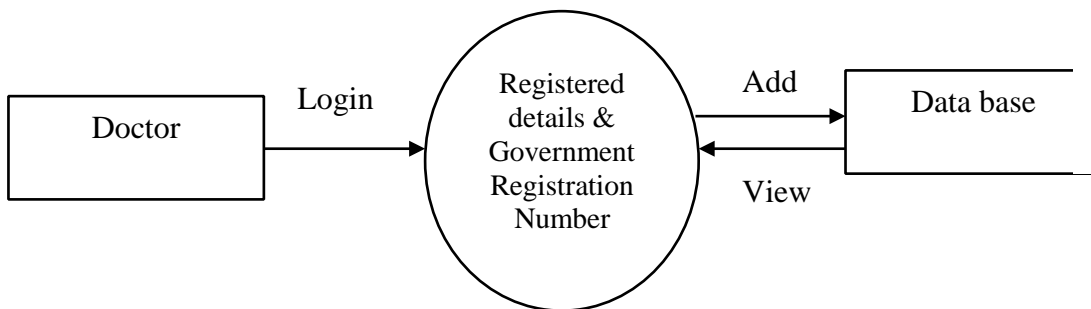


Figure 3.1: Data Flow Diagram of Doctor Registration

PATIENT REGISTRATION

Patient can login to the system and they can search for doctor by specifying name, address or type.

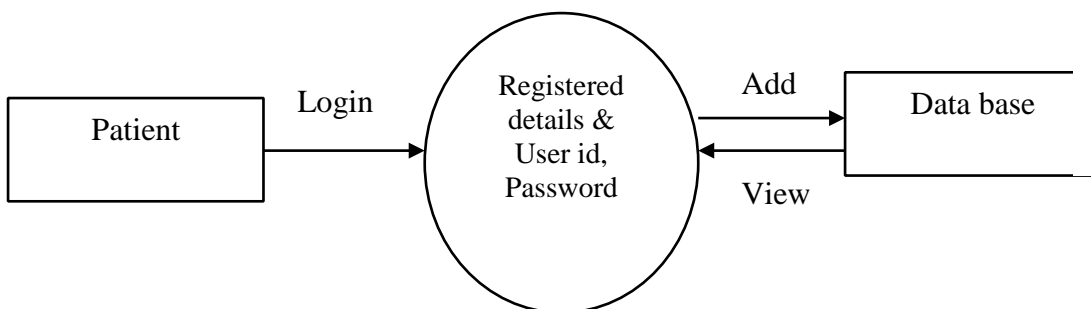


Figure 3.2: Data Flow Diagram of Patient Registration

ADMIN LOGIN

Admin can login to the system using their ID and Password to perform their work and to add the details of the symptoms and types then added to provide the feedback by the users.

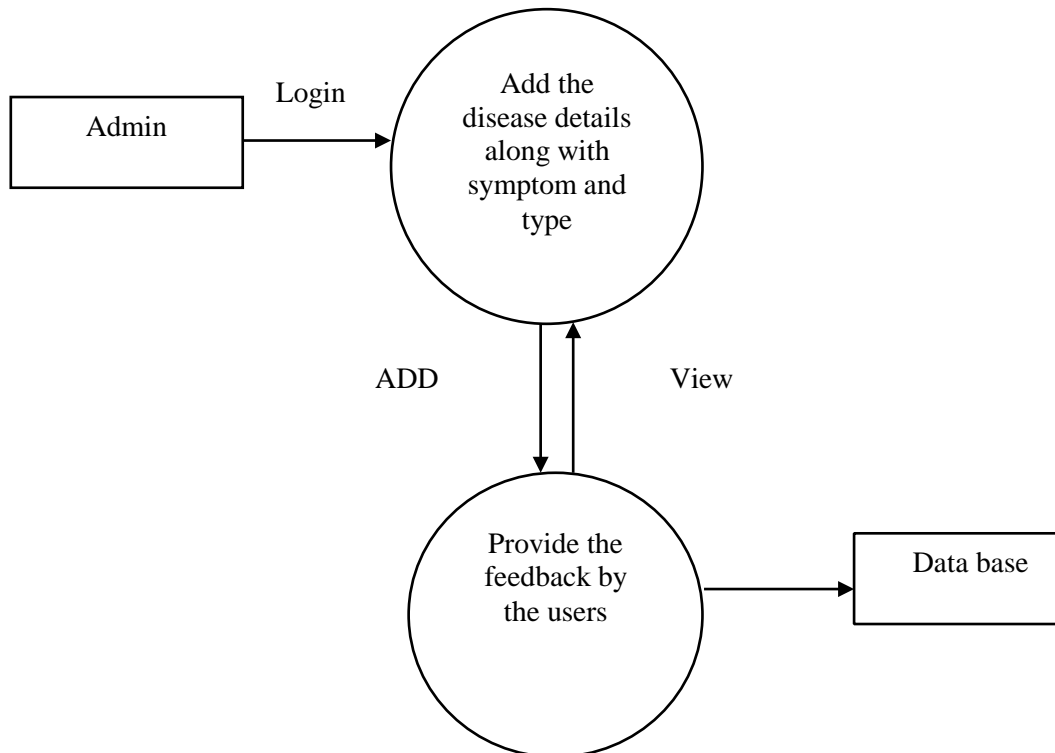


Figure 3.3: Data Flow Diagram of Admin Login

3.3 ALGORITHM USED

- Here, I used Apriori algorithm which is used to perform the association rules between objects. It means how two or more objects are related to one another.
- In other words, we can say that the Apriori algorithm is an association rule learning that analyzes that people who are all suffer from diseases.
- The primary objective of the Apriori algorithm is to create the association rule between different objects. The association rule describes how two or more objects are related to one another.
- Apriori algorithm is also called frequent pattern mining. Generally, we operate the Apriori algorithm on a database that consists of a huge number of transactions.

- Let's understand the Apriori algorithm with the help of an example; in this disease prediction methodology, it can be easily identifies the diseases based on the symptoms to predict various diseases.
- It is the frequent item set mining and association rule learning over relational databases.
- It processed by identifying the frequent individual items in the database and extending them to larger and larger item sets as long as those item sets appear sufficiently often in the database.

3.3.1 EXISTING SYSTEM

- Existing data mining techniques with data mining algorithms and its application tools which are more valuable for healthcare services.
- Existing data in different databases to transform it into new researches and results.
- It makes use of Artificial Intelligence, machine learning and database management to extract new patterns from large data sets and the knowledge associated with these patterns.

DISADVANTAGES

- A patient has to visit the doctor in person and still does not get proper treatment, as the doctors are unable to predict the exact disease.
- Human error can be avoided with the help of computer assisted quality decision making.
- This application requires active internet connection.
- User need to put correct data or else it behaves abnormally.

3.3.2 PROPOSED SYSTEM

- To overcome the drawback of existing system. Here, I have developed prediction system.

- I have developed an expert system called **Disease Prediction with the help of symptoms using Data Mining**, which is used for simplifying the task of doctors.
- A system checks a patient at initial level and suggests the possible diseases.
- It starts with asking about symptoms to the patient, if the system is able to identify the appropriate disease then it suggests a doctor available to the patient in the nearest possible area.
- If the system is not sure enough, it asks some queries to the patients, still if the system is not sure then it will display some tests to the patient. Based on available cumulative information, the system will display the result.
- This system not only simplifies task of the doctors but also helps the patients by providing necessary help at an earliest stage possible.

ADVANTAGES

- This system helps to reduce the waiting time of the patient.
- Users can select the appointment time according to his preference.
- Available and booked slots are shown in effective Graphical User Interface.
- With the help of these designs, the system is designed and implemented which helps in automation of the prediction system.

3.4 METHODOLOGY USED

3.4.1 MODULES

- Registration(Doctor/Patient)
- Login (Patients/Admin/Doctor)
- Admin
- Doctor
- Disease Prediction
- Appointments

3.4.2 MODULES DESCRIPTION

1. REGISTRATION

This module is responsible for doctor and patient registration. They can use their user Id and password through which they can login to the system. Doctor can register by giving his/her name, address, contact number, email and his/her government registration number. Patient can register by giving his/her name, address, contact number, email. The username and password will be sent to the patient /doctor's registered email id.

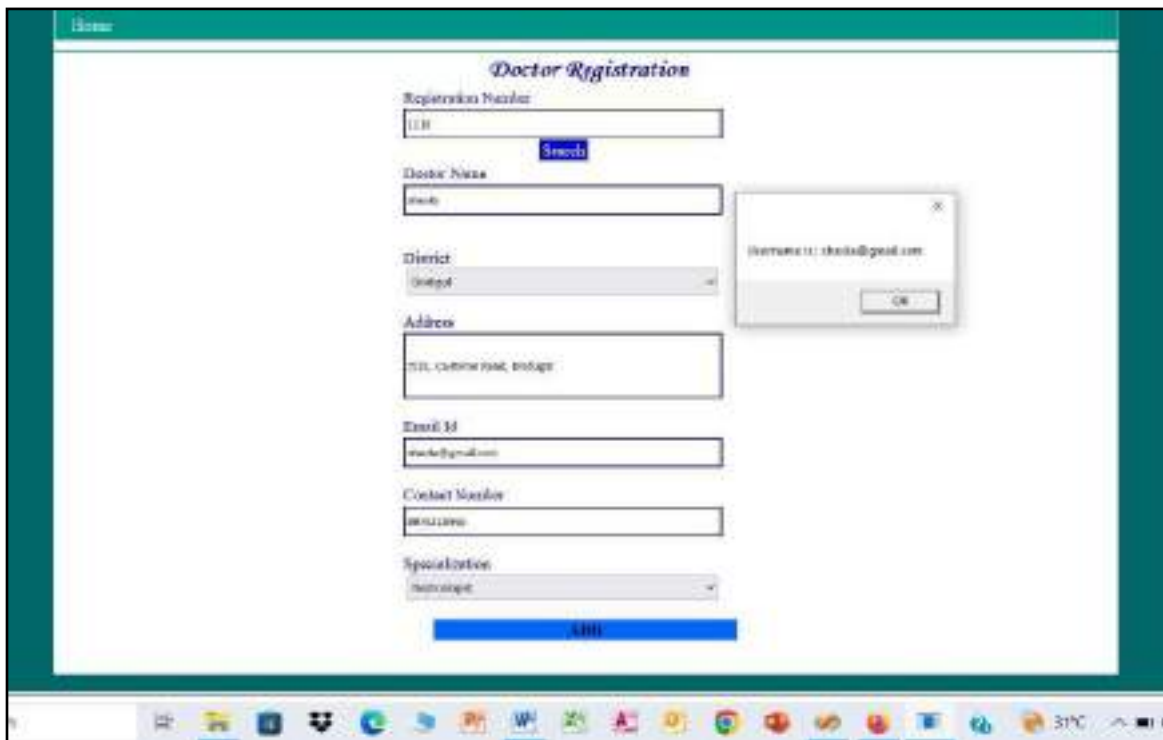


Figure 3.1: Doctor's Registration

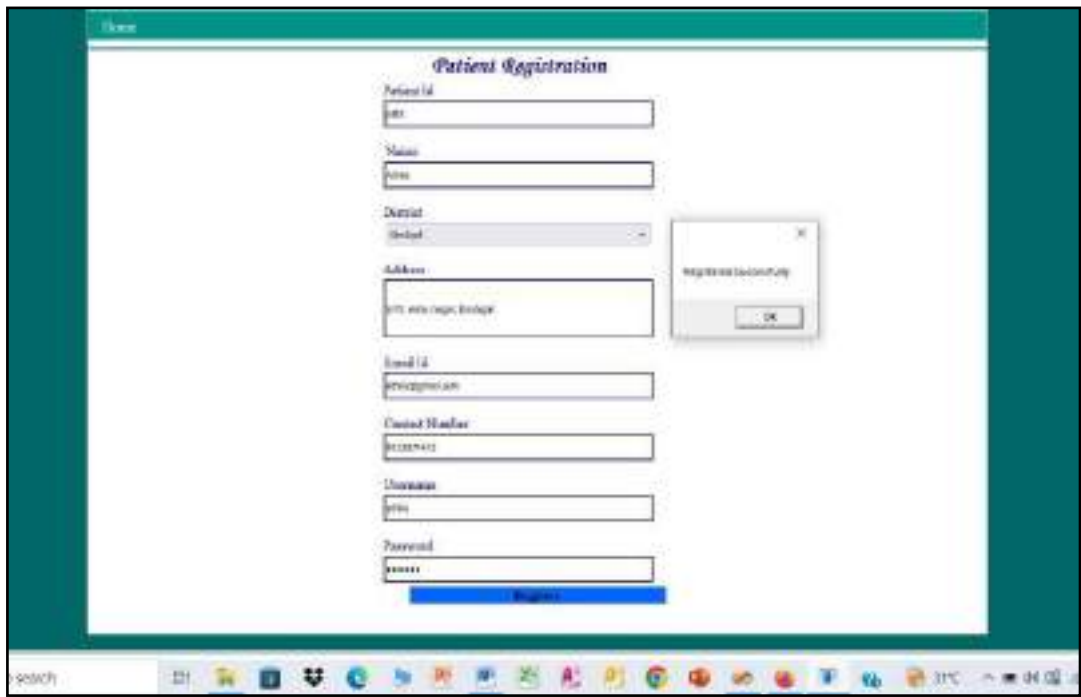


Figure 3.2: Patient's Registration

2. LOGIN (ADMIN/DOCTOR/PATIENTS)

Admin, Doctor and Patients can login to the system using their ID and Password to perform their work.



Figure 3.3: Admin Login

3. ADMIN PAGE

Admin is the owner of this system. He / She can login and do the following. Admin can add disease details along with symptoms and type. Admin can view feedback provided by various users.

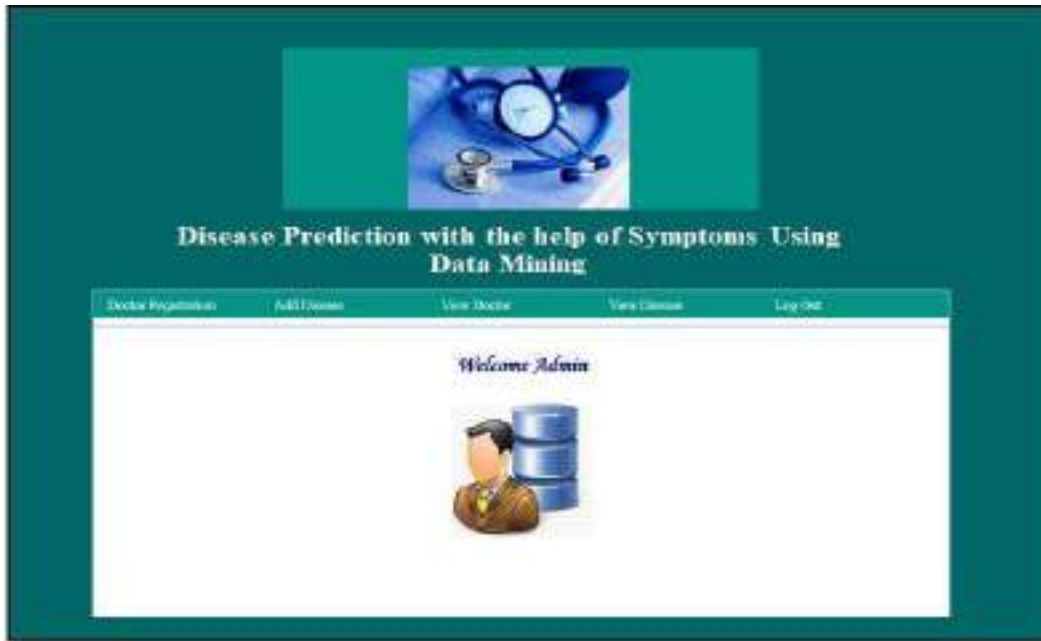


Figure 3.4: Admin Page

4. DOCTOR PAGE

Doctor can register them and login to the system to view the appointments.

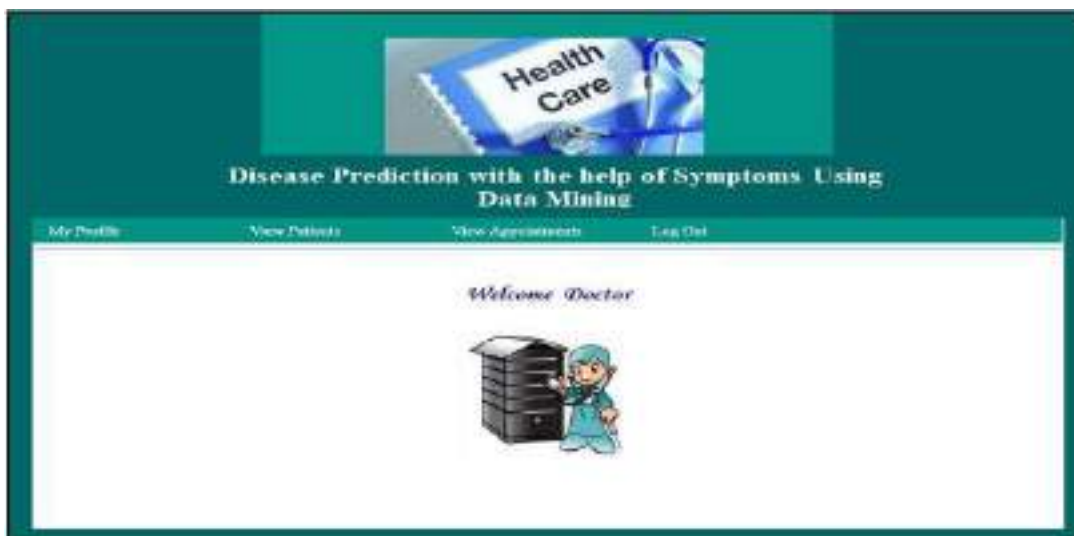


Figure 3.5: Doctor Page

5. PATIENT PAGE

Patient can login to the system Patient can search for doctor by specifying name, address or type. They can book an appointment to the doctor.



Figure 3.6: Patient Page

6. DISEASE PREDICTION

Patient will specify the symptoms caused due to his illness. System will ask certain question regarding his illness and system will predict the disease based on the symptoms specified by the patient and system will also suggest doctors based on the disease.



Figure 3.7: Disease Prediction

7. APPOINTMENTS

Doctor will get notification of appointments how many people had accessed the system and what diseases are predicted by the system.



Figure 3.8: Appointments

CHAPTER 4

4. RESULTS AND DISCUSSION

Here, I present the predicting results of my project by using Apriori algorithm here; I have considered prediction of disease in dataset for discussion and this dataset with multiples of attribute values and of 4 symptoms. A System was constructed and data was collected from the users for analysis. The user should answer, the questions given in the template and the system will predict whether the person have disease or not. Here, I have collected more inputs from the user for prediction and these attributes are considered for analysis.

4.1 DISEASE PREDICTION RESULTS



Figure 4.1 Search Disease

In the above Figure 4.1(a), Here, I predict the disease using various symptoms by using the data mining techniques. After that entering the symptoms, the system will automatically predict what kind of disease will be occurred and then it will be generated.

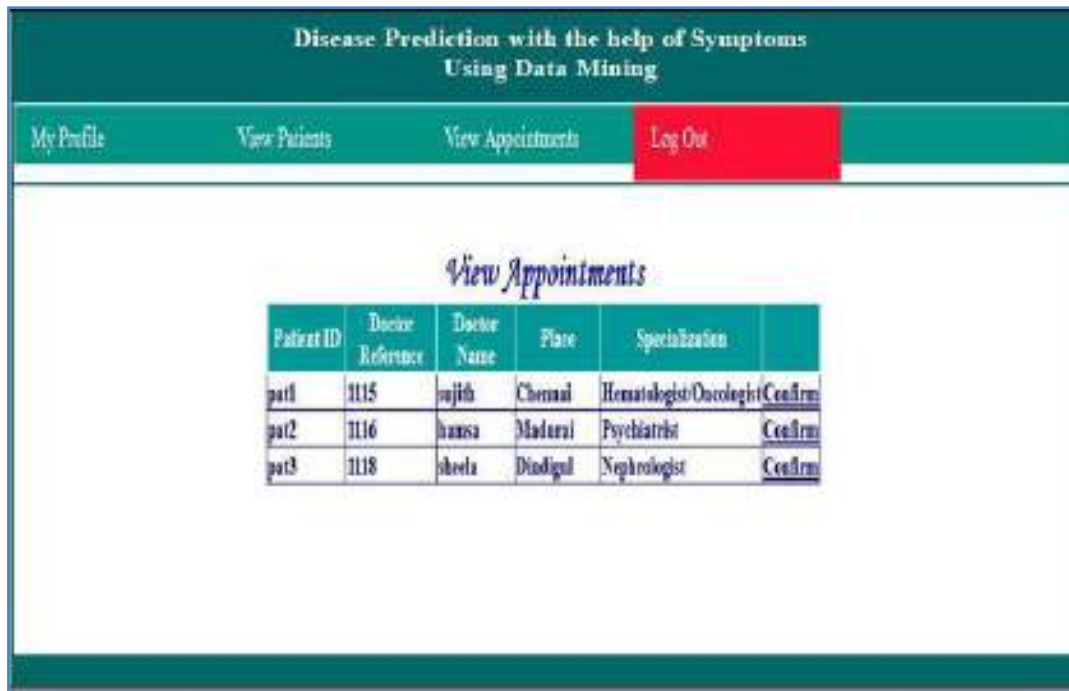


Figure 4.2 Predicted Diseases

In the Figure 4.1(b), The system will be predict the diseases and then it will shows the available doctor in the nearest place and then users can book the appointments to consult the doctor.

CHAPTER 5

5. CONCLUSION AND FUTURE ENHANCEMENT

5.1 CONCLUSION

As I have earlier mentioned, I solved the problem by predicting the disease by considering the symptoms entered by the user. The main focus of my paper is to identify the disease by calculating the numerical value based on the severity rating of the symptoms and also make the prediction more accurate by considering the previous history of the user. Although I have tested my system for viral and regular based diseases, it can be extended to larger settings.

5.2 FUTURE ENHANCEMENT

The future work can be focus on by considering various types of diseases with large number of symptoms in predicting more number of diseases. To improve the reliability of the system the test results for various medical conditions will be helpful. Since the results are dependent on the experience of previous users, it is important to isolate genuine experiences from fake ones. We can predict the various diseases with the help of data mining techniques and to analyze these diseases in a statistical method.

5.3 APPENDICES

5.3.1 CODING

ADMIN LOGIN

```
using System;

using System.Collections;

using System.Configuration;

using System.Data;

using System.Linq;

using System.Web;

using System.Web.Security;

using System.Web.UI;

using System.Web.UI.HtmlControls;

using System.Web.UI.WebControls;

using System.Web.UI.WebControls.WebParts;

using System.Xml.Linq;

namespace smarthealth

{

public partial class adminlogin : System.Web.UI.Page

{

protected void Page_Load(object sender, EventArgs e)

{

}

protected void Button1_Click(object sender, EventArgs e){

if (unam.Text == "admin" && pwd.Text == "admin")
```

```
{  
Response.Redirect("adminpage.aspx");  
}  
else  
{  
}  
}  
}  
}
```

DOCTOR LOGIN

```
using System;  
  
using System.Collections;  
  
using System.Configuration;  
  
using System.Data;  
  
using System.Linq;  
  
using System.Web;  
  
using System.Web.Security;  
  
using System.Web.UI;  
  
using System.Web.UI.HtmlControls;  
  
using System.Web.UI.WebControls;  
  
using System.Web.UI.WebControls.WebParts;  
  
using System.Xml.Linq;  
  
using System.Windows.Forms;
```

```

namespace smarthealth
{
public partial class doctorlogin : System.Web.UI.Page
{
connectioncls fn = new connectioncls();
protected void Page_Load(object sender, EventArgs e)
{
}
protected void TextBox1_TextChanged(object sender, EventArgs e)
{
}
protected void TextBox2_TextChanged(object sender, EventArgs e)
{
}
protected void Button1_Click(object sender, EventArgs e)
{
DataTable dt = new DataTable();
dt = fn.getid("select * from doctordetails where unam='" + TextBox1.Text + "' and pwd='" +
TextBox2.Text + "'");
if (dt.Rows.Count > 0)
{
Response.Redirect("doctorpage.aspx");
}
else
{

```

```
MessageBox.Show("Invalid USer");

}

}

protected void LinkButton1_Click(object sender, EventArgs e)

{

Response.Redirect("doctorregistration.aspx");

}

}

}
```

DOCTOR REGISTRATION

```
using System;

using System.Collections;

using System.Configuration;

using System.Data;

using System.Linq;

using System.Web;

using System.Web.Security;

using System.Web.UI;

using System.Web.UI.HtmlControls;

using System.Web.UI.WebControls;

using System.Web.UI.WebControls.WebParts;

using System.Xml.Linq;

using System.Windows.Forms;

namespace smarthealth
```

```

{
public partial class doctorregistration : System.Web.UI.Page
{
connectioncls fn = new connectioncls();
protected void Page_Load(object sender, EventArgs e)
{
specialization.Items.Add("Cardiology");
specialization.Items.Add("Neurology");
specialization.Items.Add("Ortho");
if (!IsPostBack)
{
DataTable de = new DataTable();
de = fn.getid("select district from districts");
if (de.Rows.Count > 0)
{
for (int i = 0; i < de.Rows.Count; i++)
{
district.Items.Add(de.Rows[i][0].ToString());
}
}
district.Items.Insert(0, new ListItem("Select District"));
}
if (!IsPostBack)
{

```

```

DataTable de = new DataTable();

de = fn.getid("select specialization from specialization order by specialization asc");

if (de.Rows.Count > 0)
{
for (int i = 0; i < de.Rows.Count; i++)
{
specialization.Items.Add(de.Rows[i][0].ToString());
}
}

specialization.Items.Insert(0, new ListItem("Select "));
}
}

protected void TextBox2_TextChanged(object sender, EventArgs e)
{
}

protected void TextBox3_TextChanged(object sender, EventArgs e)
{
}

protected void TextBox4_TextChanged(object sender, EventArgs e)
{
}

protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
{
}

```

```

protected void Button1_Click(object sender, EventArgs e)
{
    DataTable de = new DataTable();

    string status;

    de = fn.getid("select regno from doctorreg where regno='"+ regno.Text +"' and doctornam='"+
    doctornam.Text +"'");

    if (de.Rows.Count > 0)
    {
        status = "yes";
    }
    else
    {
        status="no";
    }

    if(status=="yes")
    {
        /* de = fn.getid("select regno from doctordetails where regno='"+ regno.Text +"'");

        if (de.Rows.Count > 0)
        {*/

        string un, pw;

        un = email.Text;

        pw = regno.Text + "123";

        fn.connect();

        fn.execute("insert into
        doctordetails(regno,doctornam,district,addr,email,contact,specialization,unam,pwd) values("

```



```

+ regno.Text + "','" + doctonam.Text + "','" + district.Text + "','" + addr.Text + "','" +
email.Text + "','" + contact.Text + "','" + specialization.Text + "','" + un + "','" + pw + "')");

MessageBox.Show("Registered Successfully");

MessageBox.Show("Username is" + un);

MessageBox.Show("Password is" + pw);

regno.Text = "";

doctonam.Text = "";

addr.Text = "";

contact.Text = "";

//specialization.Text = "";

email.Text = "";

/* }

else

{

MessageBox.Show("Registered already");

}*/

}

else

{

MessageBox.Show("Invalid register number");

}

}

protected void Button2_Click(object sender, EventArgs e)

{

DataTable de = new DataTable();

```

```
string status;

de = fn.getid("select * from doctorreg where regno='" + regno.Text + "'");

if (de.Rows.Count > 0)

{

doctonam.Text = de.Rows[0][1].ToString();

email.Text = de.Rows[0][2].ToString();

contact.Text = de.Rows[0][3].ToString();

}

}

}

}
```

VIEW DISEASE

```
using System;

using System.Collections;

using System.Configuration;

using System.Data;

using System.Linq;

using System.Web;

using System.Web.Security;

using System.Web.UI;

using System.Web.UI.HtmlControls;

using System.Web.UI.WebControls;

using System.Web.UI.WebControls.WebParts;
```

```

using System.Xml.Linq;

using System.Data.SqlClient;

using System.Windows.Forms;

namespace smarthealth

{

public partial class viewdisease : System.Web.UI.Page

{

string diseid;

connectioncls fn = new connectioncls();

protected void Page_Load(object sender, EventArgs e)

{

if (!IsPostBack)

{

this.BindGrid();

}

}

protected void OnPaging(object sender, GridViewPageEventArgs e)

{

GridView1.PageIndex = e.NewPageIndex;

GridView1.DataBind();

}

private void BindGrid()

{

string constr = ConfigurationManager.ConnectionStrings["sqlcon"].ConnectionString;

```

```

using (SqlConnection con = new SqlConnection(constr))
{
using (SqlCommand cmd = new SqlCommand("SELECT * FROM disease"))
{
using (SqlDataAdapter sda = new SqlDataAdapter())
{
cmd.Connection = con;

sda.SelectCommand = cmd;

using (DataTable dt = new DataTable())
{
sda.Fill(dt);

GridView1.DataSource = dt;

GridView1.DataBind();

}

}

}

}

protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)
{
Session["disid"] = GridView1.SelectedRow.Cells[0].Text;

diseid = Session["disid"].ToString();

fn.connect();

fn.execute("delete from disease where diseaseid='" + diseid + "'");

MessageBox.Show("Record Deleted Successfully");
}

```

```
this.BindGrid();  
  
}  
  
}  
  
}
```

PATIENT REGISTRATION

```
using System;  
  
using System.Collections;  
  
using System.Configuration;  
  
using System.Data;  
  
using System.Linq;  
  
using System.Web;  
  
using System.Web.Security;  
  
using System.Web.UI;  
  
using System.Web.UI.HtmlControls;  
  
using System.Web.UI.WebControls;  
  
using System.Web.UI.WebControls.WebParts;  
  
using System.Xml.Linq;  
  
using System.Windows.Forms;  
  
namespace smarthealth  
{  
  
public partial class patientregistration : System.Web.UI.Page  
{  
  
connectioncls fn = new connectioncls();
```

```

string str, a;

DataTable de = new DataTable();

protected void Page_Load(object sender, EventArgs e)
{
    district.Items.Add("Ramnad");
    district.Items.Add("Madurai");
    district.Items.Add("Sivagangai");

    if (!IsPostBack)
    {
        de = fn.getid("select district from districts");

        if (de.Rows.Count > 0)
        {
            for (int i = 0; i < de.Rows.Count; i++)
            {
                district.Items.Add(de.Rows[i][0].ToString());
            }
        }

        district.Items.Insert(0, new ListItem("Select District"));
    }

    de = fn.getid("select max(patientid) from patientreg");

    if (de.Rows.Count > 0)
    {
        for (int i = 0; i < de.Rows.Count; i++)
        {

```

```
str = de.Rows[i][0].ToString();  
  
}  
  
if (str.Length > 0)  
{  
  
if (str.Length == 4)  
{  
  
a = str.Substring(3, 1);  
  
}  
  
else if (str.Length == 5)  
{  
  
a = str.Substring(4, 1);  
  
}  
  
else if (str.Length == 6)  
{  
  
a = str.Substring(5, 1);  
  
}  
  
patientid.Text = ((Convert.ToInt16(a)) + 1).ToString();  
  
patientid.Text = "pat" +patientid.Text;  
  
}  
  
}  
  
else  
{  
  
// MessageBox.Show("hi");  
  
patientid.Text = "pat1";
```

```

}
}
protected void patientid_TextChanged(object sender, EventArgs e)
{
}
protected void TextBox2_TextChanged(object sender, EventArgs e)
{
}
protected void addr_TextChanged(object sender, EventArgs e)
{
}
protected void TextBox3_TextChanged(object sender, EventArgs e)
{
}
protected void TextBox4_TextChanged(object sender, EventArgs e)
{
}
protected void Button1_Click(object sender, EventArgs e)
{
string un, pw;
un = patientid.Text;
unam.ReadOnly = true;
fn.connect();
fn.execute("insert into
patientreg(patientid,nam,district,addr,email,contact,unam,pwd)values('" + patientid.Text +

```



```
"," + patientnam.Text + "," + district.Text + "," + addr.Text + "," + email.Text + "," +  
contact.Text + "," + patientid.Text + "," + pwd.Text + ")");  
  
MessageBox.Show("Registered Successfully");  
  
MessageBox.Show("Username is" + un);  
  
MessageBox.Show("Password is" + pwd.Text);  
  
Response.Redirect("patientlogin.aspx");  
  
}  
  
}  
  
}
```

PREDICTED DISEASE AND DOCTOR

```
using System;  
  
using System.Collections;  
  
using System.Configuration;  
  
using System.Data;  
  
using System.Linq;  
  
using System.Web;  
  
using System.Web.Security;  
  
using System.Web.UI;  
  
using System.Web.UI.HtmlControls;  
  
using System.Web.UI.WebControls;  
  
using System.Web.UI.WebControls.WebParts;  
  
using System.Xml.Linq;  
  
using System.Data.SqlClient;  
  
using System.Windows.Forms;
```

```

namespace smarthealth
{
public partial class diseaseanddoctor : System.Web.UI.Page
{
connectioncls fn = new connectioncls();
string regno, docnam, pnam, disease, distpat, contact, pttid;
string tp, distdoc,pid,spec;
protected void Page_Load(object sender, EventArgs e)
{
if (!IsPostBack)
{
TextBox3.Text = Session["disease"].ToString();
tp = Session["typ"].ToString();
distpat = Session["district"].ToString();
// MessageBox.Show(tp);
//  MessageBox.Show(distpat);
pid = Session["appatid"].ToString();
Session["ptid"] = pid.ToString();
this.BindGrid();
}
}
private void BindGrid()
{
string constr = ConfigurationManager.ConnectionStrings["sqlcon"].ConnectionString;

```

```

using (SqlConnection con = new SqlConnection(constr))
{
    using (SqlCommand cmd = new SqlCommand("SELECT * FROM doctordetails where
    district='" + distpat + "' and specialization='"+ tp + "' "))
    {
        using (SqlDataAdapter sda = new SqlDataAdapter())
        {
            cmd.Connection = con;

            sda.SelectCommand = cmd;

            using (DataTable dt = new DataTable())
            {
                sda.Fill(dt);

                GridView1.DataSource = dt;

                GridView1.DataBind();
            }
        }
    }
}

protected void OnPaging(object sender, GridViewPageEventArgs e)
{
    GridView1.PageIndex = e.NewPageIndex;

    GridView1.DataBind();
}

protected void TextBox3_TextChanged(object sender, EventArgs e)

```

```

{
}

protected void Button1_Click(object sender, EventArgs e)
{
}

protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)
{
string status = "Booked";

pttid = Session["ptid"].ToString();

DataTable dt = new DataTable();

dt = fn.getid("select nam,district,contact from patientreg where patientid='" + pttid + "'");

if (dt.Rows.Count > 0)
{
pnam = dt.Rows[0][0].ToString();

distpat = dt.Rows[0][1].ToString();

contact = dt.Rows[0][2].ToString();

MessageBox.Show(pnam.ToString());
}

disease = TextBox3.Text;

regno = GridView1.SelectedRow.Cells[0].Text;

docnam = GridView1.SelectedRow.Cells[1].Text;

// diseid = Session["disid"].ToString();

distdoc=GridView1.SelectedRow.Cells[2].Text;

spec=GridView1.SelectedRow.Cells[4].Text;

```

```

MessageBox.Show(regno.ToString());

fn.connect();

MessageBox.Show(regno.ToString());

fn.execute("insert into
appointmentst(patientid,nam,disease,contact,docid,docnam,specialization,place,status)values('
" + pttid + "','" + pnam + "','" + TextBox3.Text + "','" + contact + "','" + regno + "','" + docnam +
"',"' + spec + "','" + distdoc + "','" + status + "' )");

MessageBox.Show("Appointment Booked Successfully");

GridView1.SelectedRow.Cells[5].Text = "Booked";

}

}

}

```

BOOK AN APPOINTMENT

```

using System;

using System.Collections;

using System.Configuration;

using System.Data;

using System.Linq;

using System.Web;

using System.Web.Security;

using System.Web.UI;

using System.Web.UI.HtmlControls;

using System.Web.UI.WebControls;

using System.Web.UI.WebControls.WebParts;

```

```

using System.Xml.Linq;

using System.Data.SqlClient;

using System.Windows.Forms;

namespace smarthealth

{

public partial class diseaseanddoctor : System.Web.UI.Page

{

connectioncls fn = new connectioncls();

string regno, docnam, pnam, disease, distpat, contact, ptid;

string tp, distdoc,pid,spec;

protected void Page_Load(object sender, EventArgs e)

{

if (!IsPostBack)

{

TextBox3.Text = Session["disease"].ToString();

tp = Session["typ"].ToString();

distpat = Session["district"].ToString();

// MessageBox.Show(tp);

//  MessageBox.Show(distpat);

pid = Session["appatid"].ToString();

Session["ptid"] = pid.ToString();

this.BindGrid();

}

}

```

```

private void BindGrid()
{
string constr = ConfigurationManager.ConnectionStrings["sqlcon"].ConnectionString;
using (SqlConnection con = new SqlConnection(constr))
{
using (SqlCommand cmd = new SqlCommand("SELECT * FROM doctordetails where
district="" + distpat + "" and specialization=""+ tp +"" "))
{
using (SqlDataAdapter sda = new SqlDataAdapter())
{
cmd.Connection = con;
sda.SelectCommand = cmd;
using (DataTable dt = new DataTable())
{
sda.Fill(dt);
GridView1.DataSource = dt;
GridView1.DataBind();
}
}
}
}
}

protected void OnPaging(object sender, GridViewPageEventArgs e)
{
GridView1.PageIndex = e.NewPageIndex;
}

```

```

GridView1.DataBind();

}

protected void TextBox3_TextChanged(object sender, EventArgs e)

{

}

protected void Button1_Click(object sender, EventArgs e)

{

}

protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)

{

string status = "Booked";

pttid = Session["ptid"].ToString();

DataTable dt = new DataTable();

dt = fn.getid("select nam,district,contact from patientreg where patientid='" + pttid + "'");

if (dt.Rows.Count > 0)

{

pnam = dt.Rows[0][0].ToString();

distpat = dt.Rows[0][1].ToString();

contact = dt.Rows[0][2].ToString();

MessageBox.Show(pnam.ToString());

}

disease = TextBox3.Text;

regno = GridView1.SelectedRow.Cells[0].Text;

docnam = GridView1.SelectedRow.Cells[1].Text;// diseid = Session["disid"].ToString();

```



```

distdoc=GridView1.SelectedRow.Cells[2].Text;

spec=GridView1.SelectedRow.Cells[4].Text;

MessageBox.Show(regno.ToString());

fn.connect();

MessageBox.Show(regno.ToString());

fn.execute("insert into
appointmentst(patientid,nam,disease,contact,docid,docnam,specialization,place,status)
values(' + pttid + ',' + pnam + ',' + TextBox3.Text + ',' + contact + ',' + regno + ',' +
docnam + ',' + spec + ',' + distdoc + ',' + status + ' ');

MessageBox.Show("Appointment Booked Successfully");

GridView1.SelectedRow.Cells[5].Text = "Booked";

}

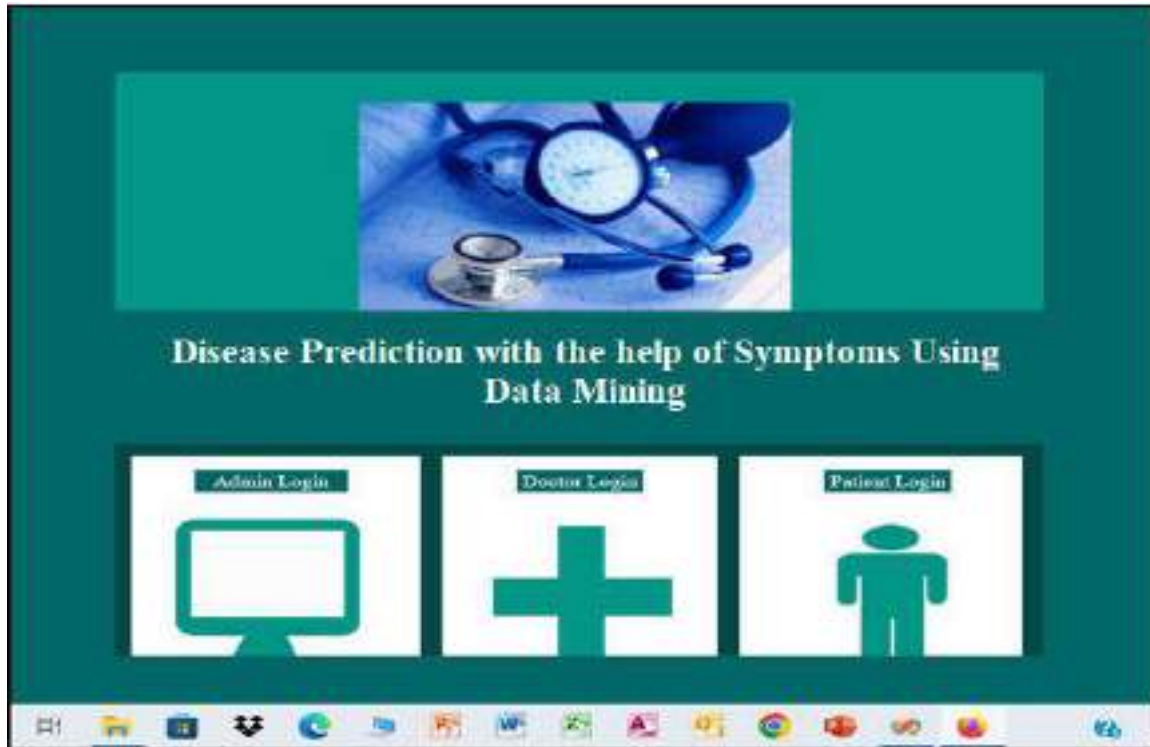
}

}

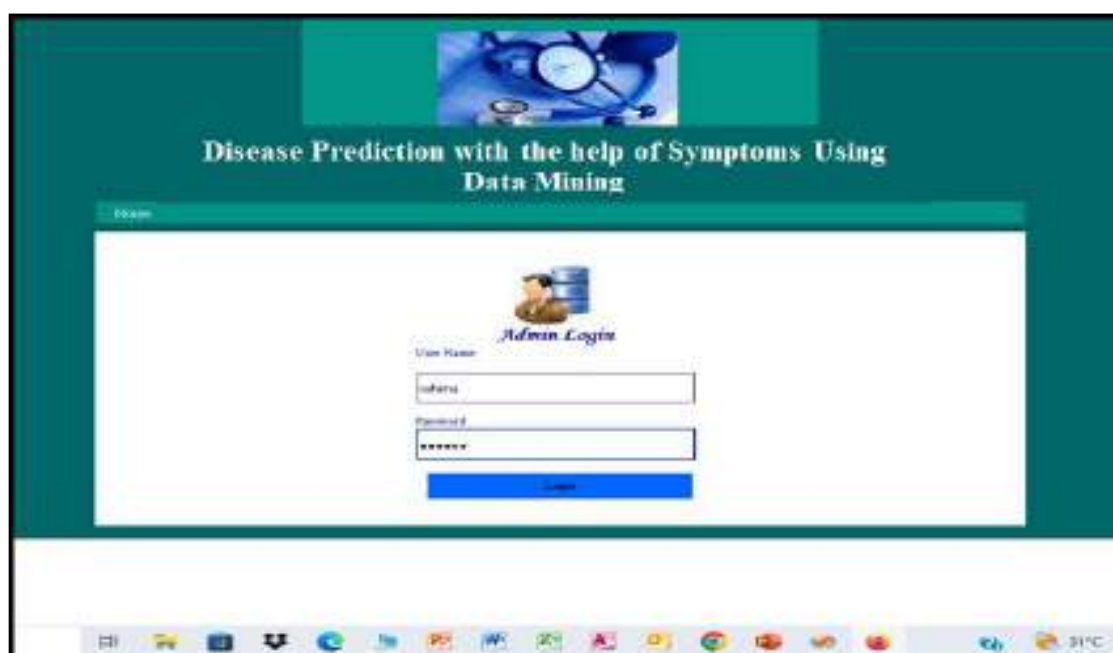
```

5.4 SCREEN SHOTS

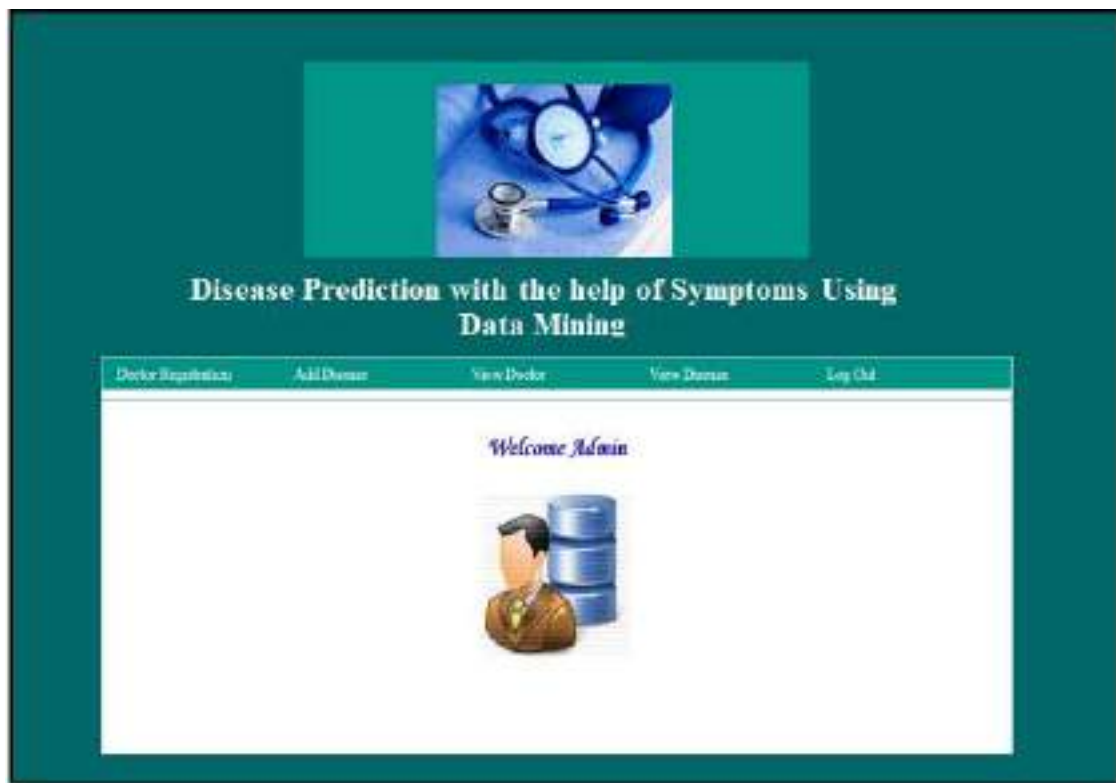
LOGIN PAGE



ADMIN LOGIN



ADMIN PAGE



INDIVIDUAL ID OF DOCTOR'S REGISTRATION



ADD DISEASE

The screenshot shows a web application titled "Crisis Facility and Medical Services" with a navigation bar containing "Add Disease", "View Doctor", "View Disease", and "Log Out". The main content area is titled "Add Disease" and contains the following form fields:

- Name of the Disease:** A text input field containing "Obesity Pelvic".
- Symptoms:** A text input field containing "sleep problems,urinary trouble,compromised". Below this field is a red error message: "* Enter Symptoms Separately (comma)".
- Type of the Disease:** A dropdown menu with "Nephrologist" selected.

At the bottom of the form are two blue buttons: "ADD" and "EDIT". A modal dialog box is open on the right side of the screen with the text "Record saved successfully" and an "OK" button. The Windows taskbar is visible at the bottom of the browser window.

DOCTOR REGISTRATION

The screenshot shows a web application titled "Home" with a "Doctor Registration" form. The form fields are:

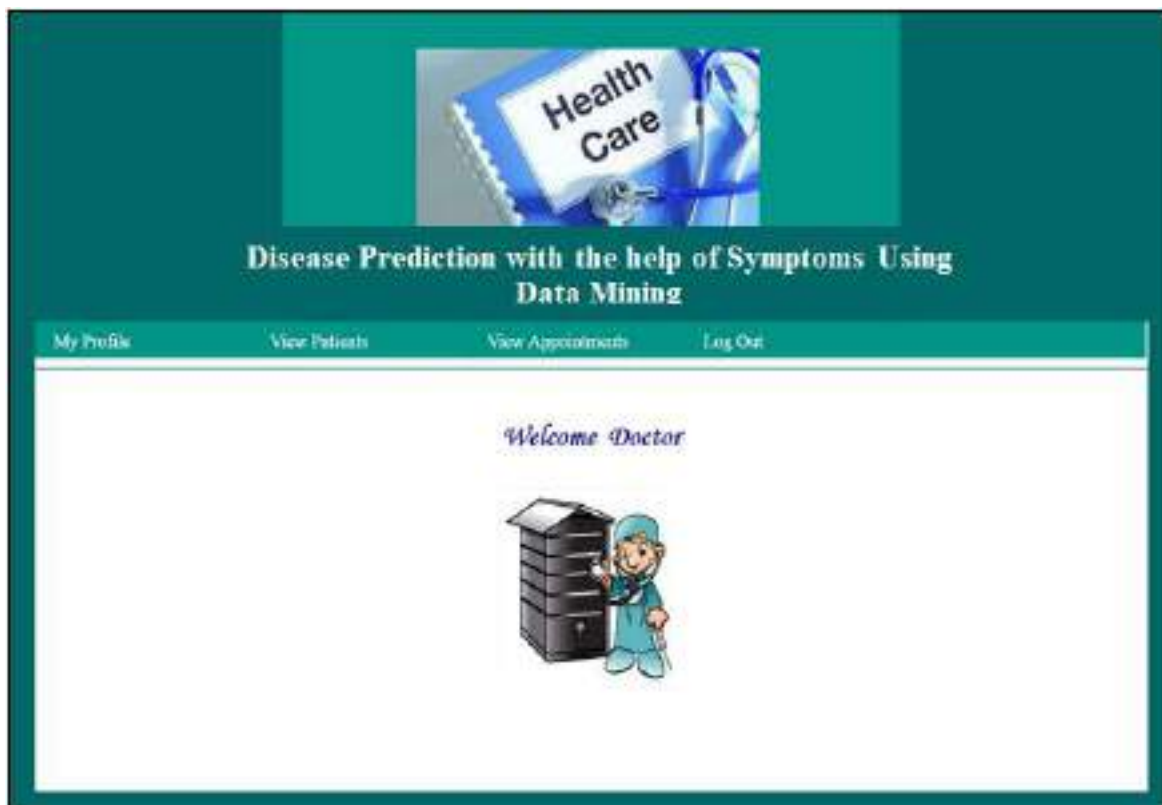
- Registration Number:** A text input field containing "1118".
- Doctor Name:** A text input field containing "Amita".
- District:** A dropdown menu with "Eradol" selected.
- Address:** A text input field containing "1111, Lakshmi Road, Durgam".
- Email ID:** A text input field containing "amita@gmail.com".
- Contact Number:** A text input field containing "9876543210".
- Specialization:** A dropdown menu with "Nephrologist" selected.

At the bottom of the form is a blue "ADD" button. A modal dialog box is open on the right side of the screen with the text "Email ID: amita@gmail.com" and an "OK" button. Another modal dialog box is open further to the right with the text "Record ID: 1118" and an "OK" button. The Windows taskbar is visible at the bottom of the browser window.

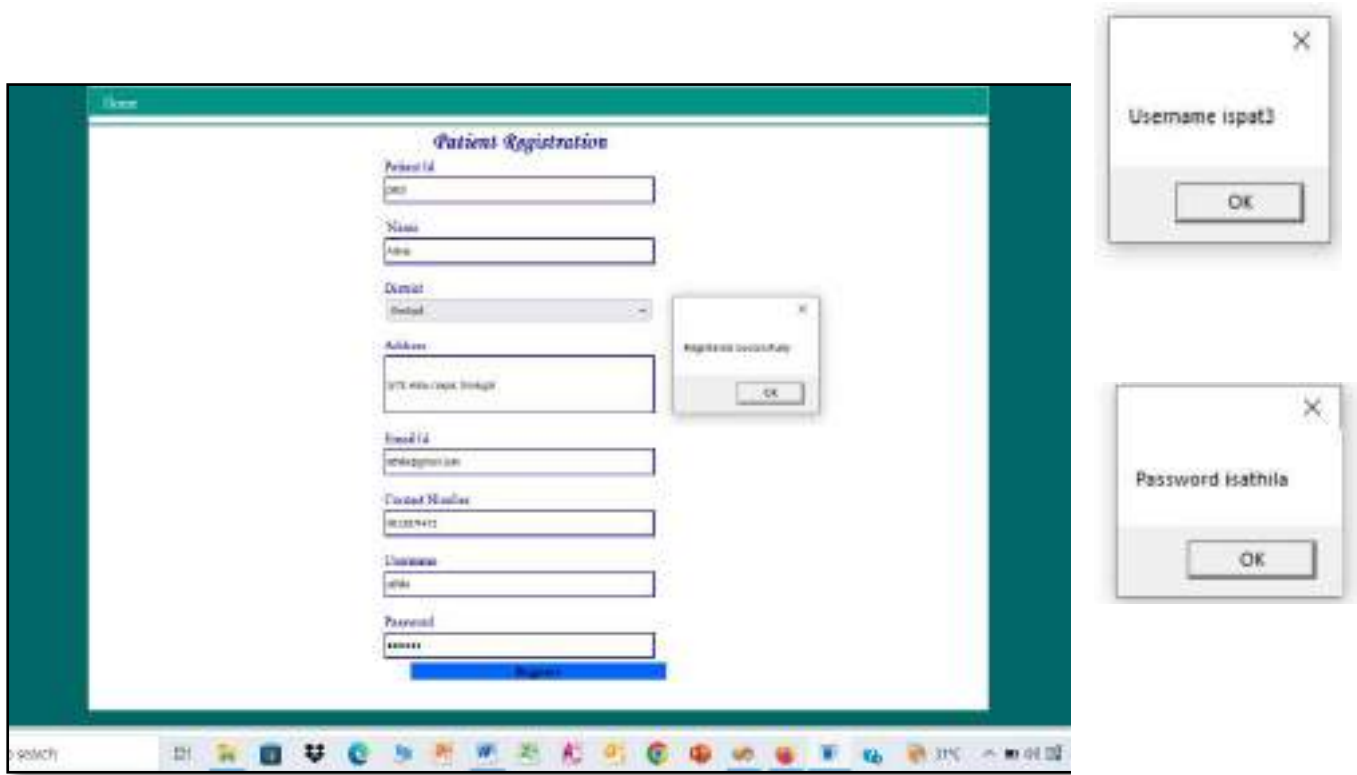
DOCTOR LOGIN



DOCTOR PAGE



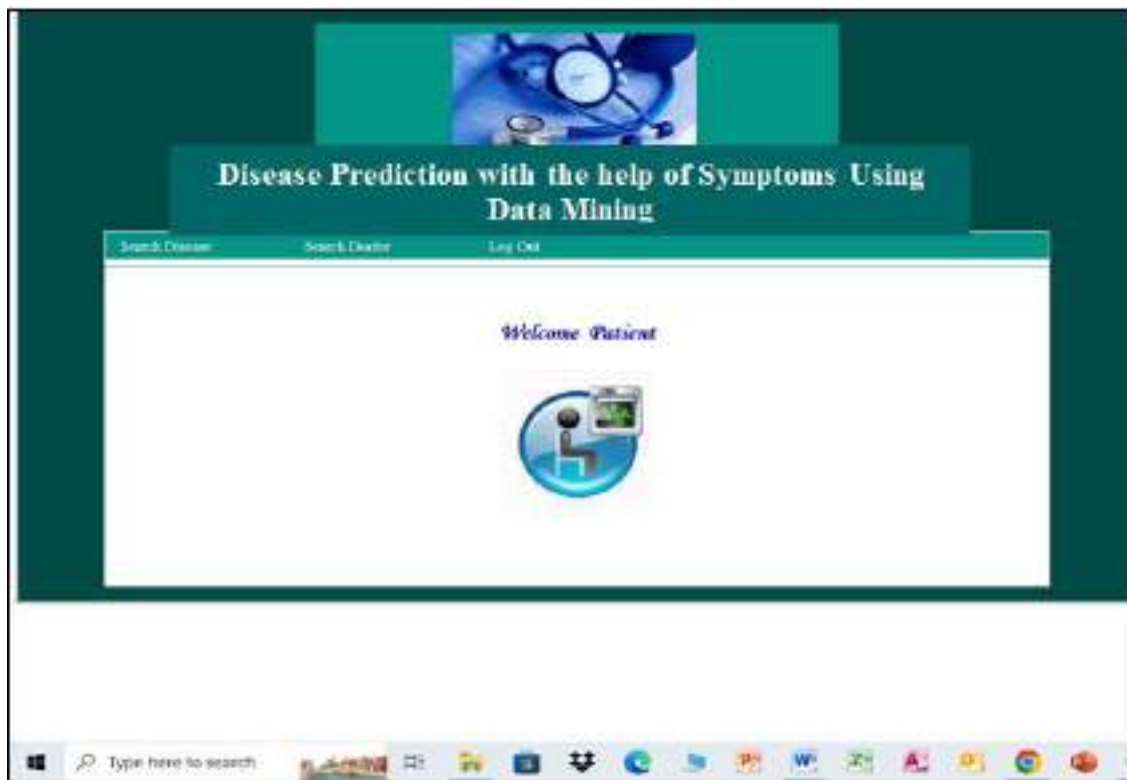
PATIENT REGISTRATION



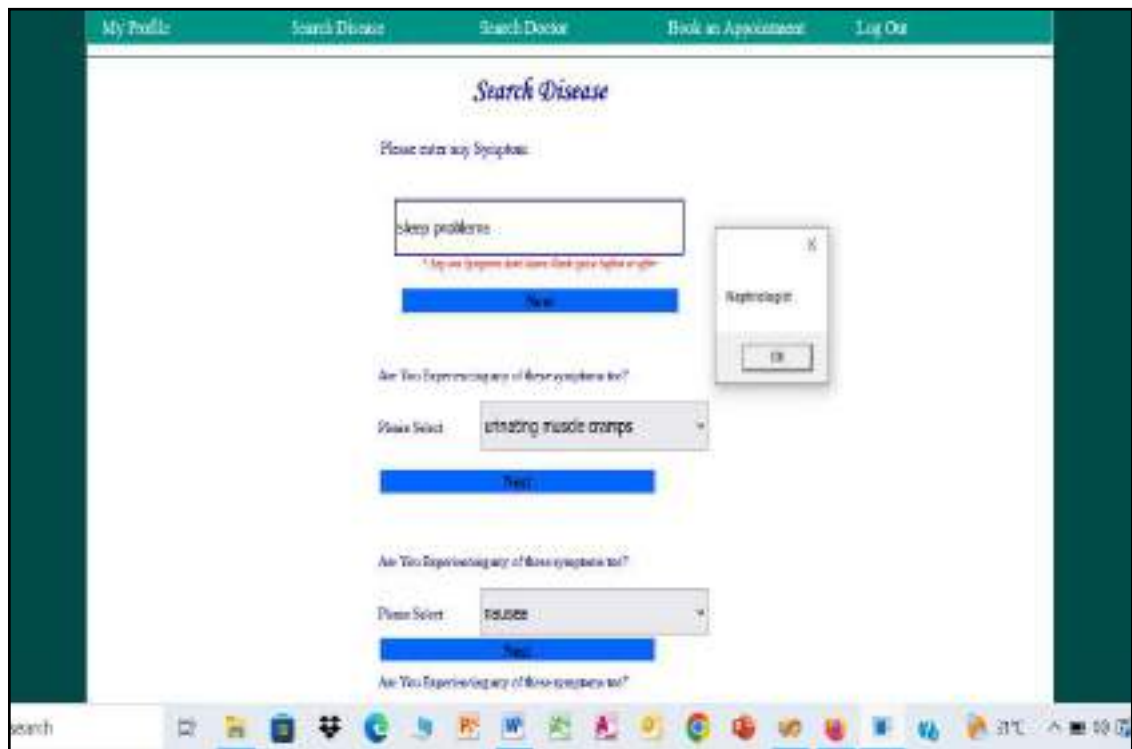
PATIENT LOGIN



PATIENT PAGE



SEARCH DISEASE



PREDICTED DISEASES

The screenshot shows a web application interface with a dark green header containing navigation links: 'My Profile', 'Search Disease', 'Search Doctor', and 'Log Out'. The main content area is titled 'Predicted Disease' and displays 'Kidney Failure' in a text box. Below this, a table lists doctor information:

Register No.	Department	District	Contact No.	Specialization	Appointment
1118	Medicine	Dindigul	897010896	Nephrologist	Appointment

The Windows taskbar at the bottom shows various application icons and system tray information including the date and time.

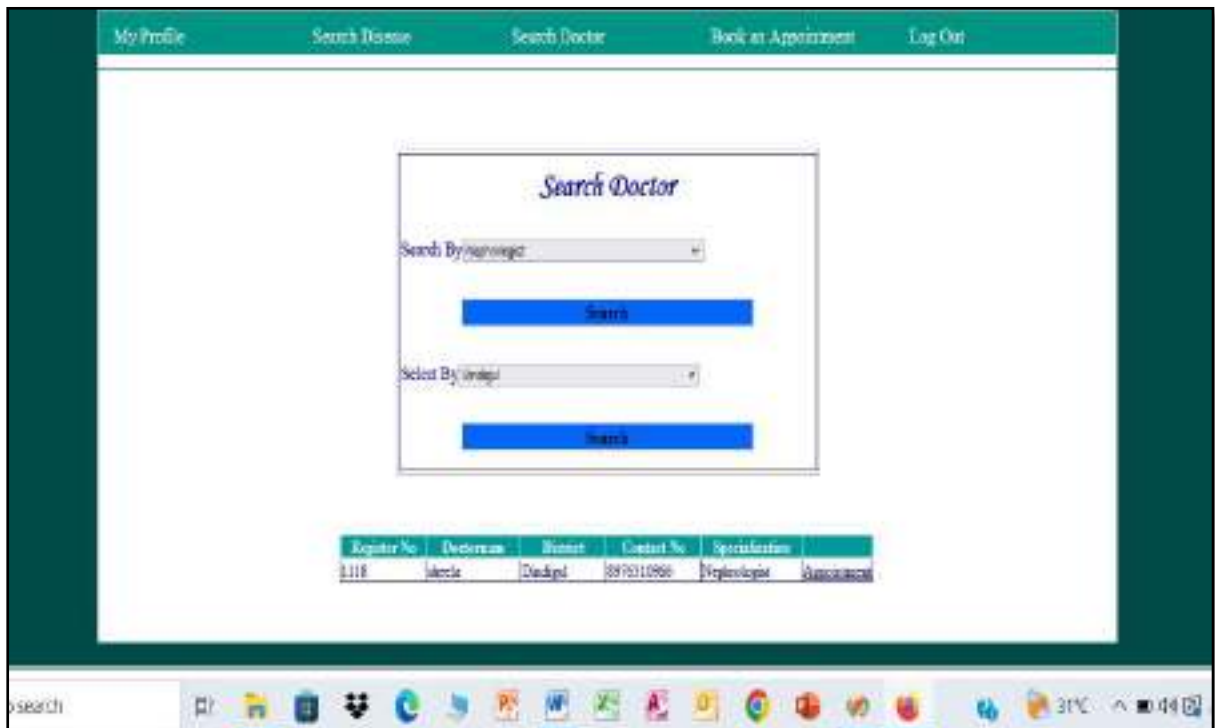
BOOKED APPOINTMENT

This screenshot is identical to the one above, showing the 'Predicted Disease' as 'Kidney Failure'. However, the 'Appointment' column in the table below is now 'Booked':

Register No.	Department	District	Contact No.	Specialization	Appointment
1118	Medicine	Dindigul	897010896	Nephrologist	Booked

The rest of the interface, including the header, navigation links, and Windows taskbar, remains the same.

SEARCH DOCTOR



VIEW PATIENTS



VIEW APPOINTMENTS

**Disease Prediction with the help of Symptoms
Using Data Mining**

My ProfileView PatientsView AppointmentsLog Out

View Appointments

Patient ID	Doctor Reference	Doctor Name	Place	Specialization	
pat1	1115	sujith	Chennai	Hematologist/Oncologist	Confirm
pat2	1116	hansa	Madurai	Psychiatrist	Confirm
pat3	1118	sheela	Dindigul	Nephrologist	Confirm

5.5 REFERENCES

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- [7] Predicting Disease By Using Data Mining Based on Healthcare Information System” By MIN CHEN, (Senior Member, IEEE), YIXUE HAO, KAI HWANG, ON HEALTHCARE BIG DATA, 2017.

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<https://www.geeksforgeeks.org/disease-prediction-using-machine-learning/>

<https://paperswithcode.com/task/disease-prediction>

<https://www.intel.com/content/www/us/en/developer/articles/reference-kit/disease-prediction.html>



THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN


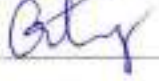

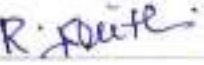
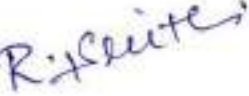
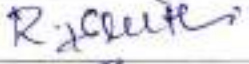





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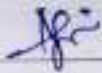

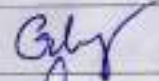

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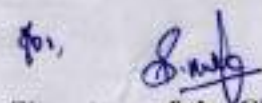
II M Sc Mathematics (2021-2023)

Project Details

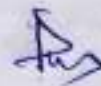
S.NO	REG NO	NAME	PROJECT TITLE	PROJECT AREA	GUIDE NAME	SIGNATURE OF THE GUIDE
1.	21MMX0001	ABROSE FATHIMA T	BI's Open Set and BI's Open Continuous Function	Topology	Dr. R. Punitha	
2.	21MMX0002	AFRIN SHIFA S	The Kernel of L - Fuzzy Group	Fuzzy And Lattice	Ms. M. Regina	for.
3.	21MMX0003	AISHWARYA M	Multi Anti Q-Fuzzy Group and Multi Anti Q-Fuzzy Normal Subgroup	Algebra	Ms. M. Regina	for.
4.	21MMX0004	BAMINI SAHA A	Neutrosophic Fuzzy Ideal of Ordered Γ -Semi ring	Neutrosophic	Dr. R. Punitha	
5.	21MMX0005	BIRUNTHA N	Multi Anti Q-Fuzzy HX Group and Multi Anti Q-Fuzzy Normal HX Sub Group	Algebra	Ms. M. Regina	for.
6.	21MMX0006	DASPIKA PARVEEN N	Intuitionistic fuzzy soft filter over Gamma Semiring	Intuitionistic Fuzzy	Ms. R. Rajeswari	
7.	21MMX0007	DHIVYA K	Quasi Weak Commutative Γ -Seminear Ring	Algebra	Ms. R. Rajeswari	
8.	21MMX0008	GOKILA VANI J	On α Open Sets via Ideal Using Semi Local Function	Topology	Ms. R. Rajeswari	
9.	21MMX0009	GRACE GILDA V	Generalized Jordan $(\alpha, \beta)^*$ Derivations with Associated	Algebra	Ms. G. Saravana Priya	

			Hochschild *2-Cocycles			
10.	21MMX0010	HEMALATHA N	Strongly G*S Closed Set in Ideal Topological Spaces	Topology	Dr. R.Punitha	
11.	21MMX0011	KEERTHANA K	Fuzzy QI Ideal in QI Algebra	Algebra	Ms. G. Saravana Priya	
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13.	21MMX0013	MURUGA VENI S	Standard Filter in Convex Sublattices	Lattice	Ms. R. Srimathi	
14.	21MMX0014	MUSHPA S	An Analysis on Effects Of Social Network Sites as perceived by student of Thassim Beevi Abdul Kader College for Women Kilakarai : A CHI Square approach	Statistics	Ms. R. Srimathi	
15.	21MMX0015	NASWAH S	L-Fuzzy Subnear-Semirings	Fuzzy And Lattice	Ms. R. Srimathi	
16.	21MMX0016	RAHSHANA BARVIN H	Harmonious Labeling of Graphs	Graph Theory	Ms. A. Thanisha Barvin	
17.	21MMX0017	RAJA DHARSHINI T	Conversion of Number System and Cryptography based on Number Theory	Collaboration With Mathematics And Computer Science	Ms. A. Thanisha Barvin	
18.	21MMX0018	RASINA FATHIMA R	On Intuitionistic L-Anti Fuzzy Ideal in Ring	Intuitionistic Fuzzy	Ms. M. Nazreen Banu	
19.	21MMX0019	RENISRI R	The Structure of Regular Pseudo Commutative Monoid	Algebra	Ms. M. Nazreen Banu	
20.	21MMX0020	SHAHIMA SUHAILI A	An Intuitionistic Fuzzy Subfield and Ideal via Operators	Intuitionistic Fuzzy	Ms. M. Nazreen Banu	
21.	21MMX0021	SHARMILA S	Tripolar Fuzzy Bi-ideal of Γ -near-ring	Fuzzy	Ms. G. Akshaya	
22.	21MMX0022	SOWMIYA R	On Fuzzy Semi Prime Ideal of Lattice	Fuzzy	Ms. G. Akshaya	

23.	21MMX0023	SUBIYA FIRTHOWS K	Hesitant Fuzzy Filters in Γ -Semiring	Fuzzy & Lattice	Ms. A. Afrin Ayesha	
24.	21MMX0024	SWARNAMUGI M	Balancing Chemical Equation by using methods of Number Theory and Numerical Analysis	Collaboration With Mathematics And Chemistry	Ms. A. Afrin Ayesha	
25.	21MMX0025	TAMIL FATHIMA A	Fuzzy Ideal in BO Algebra	Algebra	Ms. G. Saravana Priya	
26.	21MMX0026	VISHALINI M	Q- Fuzzy ideals of Gamma near rings	Fuzzy	Ms. M. Nazreen Banu	



Signature of the Class Teacher



Signature of the HoD

Quasi Weak Commutative Γ -Seminear Ring

Dissertation submitted to

Thassim Beevi Abdul Kader College for Women

for the partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE

in

MATHEMATICS

by

DHIVYA K

(Registration No: 21MMX0007)

Under the supervision of

Ms R RAJESWARI



DEPARTMENT OF MATHEMATICS

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN

(An Autonomous Institution)

KILAKARAI-623517, TAMIL NADU, INDIA

APRIL-2023


CERTIFICATE

This is to certify that the work contained in the thesis entitled "QUASI WEAK COMMUTATIVE Γ - SEMINEAR", submitted by DHIVYA K (Regd. No: 21MMX0007) for the award of the degree of M sc Mathematics to the Thassim Beevi Abdul Kader College for Women, Kilakarai is a record of bonafide research works carried out by her under my direct supervision.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other college.

Date: 11.04.2023

Place: Kilakarai


Signature of the supervisor

Ms R Rajeswari

Assistant Professor


Department Of Mathematics

Thassim Beevi Abdul Kader College for Women

Approved by


Head of the Department


Internal Examiner


External Examiner

DECLARATION

I certify that

- a. The work contained in the thesis is original and has been done by myself under the supervision of my supervisor.
- b. The work has not been submitted to any other Institute for any degree or diploma.
- c. I have conformed to the norms and guidelines given in the Ethical Code of Conduct of the Institute.
- d. Whenever I have used materials (data, theoretical analysis, and text) from other sources, I have given due credit to them by citing them in the text of the thesis and giving their details in the references.
- e. From the plagiarism test, it is found that the similarity index of whole thesis within 25 % and single paper is less than 10 % as per the Institution guidelines.

Date: 11.04.2023

Place: Kilakarai

K. Dhivya
DHIVYA K

Regd. No: 21MMX0007

The Kernel of L - Fuzzy Group

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for the partial fulfilment of the requirements for the award of the degree of*

MASTER OF SCIENCE
in
MATHEMATICS

by

AFRIN SHIFA S
(Registration No: 21MMX0002)

Under the supervision of
Ms M REGINA



DEPARTMENT OF MATHEMATICS
THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN
(An Autonomous Institution)
KILAKARAI-623517, TAMIL NADU, INDIA
APRIL-2023

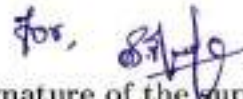
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This is to certify that the work contained in the thesis entitled "THE KERNEL OF L - FUZZY GROUP", submitted by AFRIN SHIFA S (Regd No: 21MMX0002) for the award of the degree of M Sc Mathematics to Thassim Beevi Abdul Kader College for Women, Kilakarai is a record of bonafide research works carried out by her under my direct supervision.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other college

Date: 11/04/2023

Place: Kilakarai.

for, 

Signature of the supervisor

Ms M Regina

Assistant Professor

Department Of Mathematics

Thassim Beevi Abdul Kader College for Women

Approved by


11-04-23

Head of the Department



Internal Examiner



External Examiner

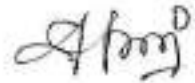
DECLARATION

I certify that

- a. The work contained in the thesis is original and has been done by myself under the supervision of my supervisor.
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- c. I have conformed to the norms and guidelines given in the Ethical Code of Conduct of the Institute.
- d. Whenever I have used materials (data, theoretical analysis, and text) from other sources, I have given due credit to them by citing them in the text of the thesis and giving their details in the references.
- e. From the plagiarism test, it is found that the similarity index of whole thesis within 25% and single paper is less than 10% as per the institution guidelines.

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AFRIN SHIFA S

Regd No: 21MMX0002

Obesity

20BND0031

S. Anil

Complications of Obesity

S. Nish



GENETICS

ANOREXIA
NERVOUSA

MENTAL
ILLNESS

CELIAC
DISEASE

HYPERTHYROIDISM

AETIOLOGY OF UNDERWEIGHT

CHRONIC DISEASE

HIGH

EXCESSIVE
EXERCISING

HIV/AIDS

DIABETES

20BND0010