



Idhaya College for Women, Kumbakonam  
Accredited with A+ Grade by NAAC 1<sup>st</sup> Cycle

NAAC AQAR 2023-2024

**1.3 Curriculum Enrichment**

1.3.3 Number of Students Undertake Project Work /  
Field Works / Internships

# Project Work

## Department of Computer Applications

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

(Affiliated to Bharathidasan University)

Recognized by 2(f) & 12(B) of UGC Act 1956

An ISO 9001:2015 Certified Institution

Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**STUDENT ADMISSION MANAGEMENT SYSTEM**” is a bonafide record of project work done by **P.AADHITIYA (Reg.No: CB21S 260555)** and **K.ABINAYA (Reg.No: CB21S 260556)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*06/03/2024*  
INTERNAL GUIDE

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612 001**

*08/03/24*

HEAD OF THE DEPARTMENT

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on ..08/03/2024.

Examiners:

1. ....

2. ....

*08/03/24*  
*08/03/24*

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*M. Anand*  
08/03/2024  
INTERNAL GUIDE

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612 001**

*[Handwritten Signature]*  
8/3/24

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

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8/3/24

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**BONAFIDE CERTIFICATE**

This is to certify that the project entitled “**NETWORK CONNECTION MANAGEMENT SYSTEM**” is a bonafide record of project work done by **K.ABINAYA (Reg.No: CB21S 260557)** and **J.ABIPRIYA (Reg.No: CB21S 260558)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*G. S. 7/12/24*

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**Dept. of Computer Applications**  
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**KUMBAKONAM - 612-001**

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**Dept. of Computer Applications,**  
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Examiners:

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**BONAFIDE CERTIFICATE**



This is to certify that the project entitled “**BLOOD DONATION MANAGEMENT SYSTEM**” is a bonafide record of project work done by **A.ANANTHA ATCHAYA (Reg.No: CB21S 260559)** and **R.ANITHA (Reg.No: CB21S 260560)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

  
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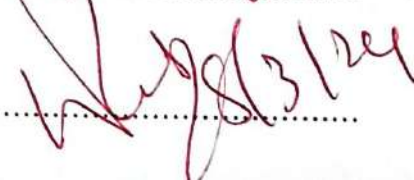
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**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
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**HEAD OF THE DEPARTMENT**  
**Head & Assistant Professor,**  
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Viva-Voice Examination held on 08.03.2024

Examiners:

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**BONAFAIDE CERTIFICATE**

This is to certify that the project entitled “**HOSTEL MANAGEMENT SYSTEM**” is a bonafide record of project work done by **S.ANNAPOORANI (Reg.No: CB21S 260561)** and **B.ARUNA (Reg.No: CB21S 260562)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

S. Ate 06/03/24

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**Assistant Professor**  
**Dept. of Computer Applications**  
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S. Aruna 06/03/24

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**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**EVENT MANAGEMENT SYSTEM**” is a bonafide record of project work done by **S.ATCHAYA (Reg.No: CB21S 260563)** and **S.BAVATHARANI (Reg.No: CB21S 260564)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**

S. Atchaya 06/03/24.

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*S. Bahlu*  
INTERNAL GUIDE 6/03/2024

**Assistant Professor**  
**Dept. of Computer Applications**  
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*[Signature]*  
HEAD OF THE DEPARTMENT

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
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Examiners:

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*S. Bahly*  
INTERNAL GUIDE 6/03/2024  
**Assistant Professor**  
**Dept. of Computer Applications**  
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**KUMBAKONAM - 612.001**

*[Signature]*  
**HEAD OF THE DEPARTMENT**  
**Head & Assistant Professor,**  
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**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**FAULT MANAGEMENT SYSTEM**” is a bonafide record of project work done **M.DURGA DEVI (Reg.No: CB21S 260568)** and **T.FARGANA FIRDOVS (Reg.No: CB21S 260569)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

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**Kumbakonam - 612 001.**

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**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONAFAIDE CERTIFICATE**

This is to certify that the project entitled “EMPLOYEE PAYROLL MANAGEMENT SYSTEM” is a bonafide record of project work done by **M.FATHIMA ROSELINA (Reg.No CB21S 260570)** and **K.GAYATHRI (Reg.No: CB21S 260571)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the VI Semester of academic year **2023-2024**.

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8/3/24

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**Assistant Professor  
Dept. of Computer Applications  
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KUMBAKONAM - 612-001**

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8/3/24

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,  
Dept. of Computer Applications,  
Idhaya College for Women,  
Kumbakonam - 612 001.**

Viva-Voice Examination held on 08/03/2024

Examiners:

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8/3/24
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8/3/24

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This is to certify that the project entitled “EMPLOYEE MANAGEMENT SYSTEM” is a bonafide record of project work done by **B.HEMAMALINI (Reg.No: CB21S 260572)** and **S.HEMASUDHA (Reg.No: CB21S 260573)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*S. Bahlu*  
INTERNAL GUIDE 6/03/2024

**Assistant Professor**  
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*[Signature]*  
HEAD OF THE DEPARTMENT

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*S. Bahlu*  
INTERNAL GUIDE 6/03/2024

**Assistant Professor**  
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**KUMBAKONAM - 612-001**

*[Handwritten Signature]*  
HEAD OF THE DEPARTMENT

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**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**COLLEGE CAMPUS RECRUITMENT AND PLACEMENT MANAGEMENT SYSTEM**” is a bonafide record of project work done by **J.HEPSIBA (Reg.No: CB21S 260574)** and **N.ISHWARYA (Reg.No: CB21S 260575)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*Dec 06/03/2024*

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**Assistant Professor**  
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This is to certify that the project entitled “**COLLEGE CAMPUS RECRUITMENT AND PLACEMENT MANAGEMENT SYSTEM**” is a bonafide record of project work done by **J.HEPSIBA (Reg.No: CB21S 260574)** and **N.ISHWARYA (Reg.No: CB21S 260575)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*Deendhar 06/03/2024*

**INTERNAL GUIDE**

**Assistant Professor  
Dept. of Computer Applications  
IDHAYA COLLEGE FOR WOMEN  
KUMBAKONAM - 612-001**

*[Handwritten Signature]*

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,  
Dept. of Computer Applications,  
Idhaya College for Women,  
Kumbakonam - 612 001.**

Viva-Voice Examination held on *08/03/2024*

Examiners:

1. *[Handwritten Signature]*

2. *[Handwritten Signature]*

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

(Affiliated to Bharathidasan University)

Recognized by 2(f) & 12(B) of UGC Act 1956

An ISO 9001:2015 Certified Institution

Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled “MUNICIPAL CORPORATION COMPLAINT MANAGEMENT SYSTEM” is a bonafide record of project work done by **LJUMANA FATHIMA (Reg.No: CB21S 260576)** and **A.KAVIYA (Reg.No: CB21S 260577)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*[Handwritten Signature]*  
6/8/24

**INTERNAL GUIDE**

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612 001**

*[Handwritten Signature]*  
8/3/24

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on **08/03/2024**

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8/3/24

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*A. S. 6/8/24*

**INTERNAL GUIDE**

**Assistant Professor  
Dept. of Computer Applications  
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KUMBAKONAM - 612 001**

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**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**FINGER GESTURE AND PATTERN RECOGNITION BASED DEVICE SECURITY SYSTEM**” is a bonafide record of project work done by **K.KAVIYA (Reg.No: CB21S 260578)** and **G.KIRUTHIKA (Reg.No: CB21S 260579)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*T. Ramesh* 6/3/2024  
INTERNAL GUIDE

**Assistant Professor**  
**Dept. of Computer Applications**  
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*[Signature]* 6/3/24  
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**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
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Viva-Voice Examination held on 08/03/2024.

Examiners:

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INTERNAL GUIDE

**Assistant Professor**  
**Dept. of Computer Applications**  
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**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**PHASE OSCILLATORY NETWORK AND VISUAL PATTERN RECOGNITION**” is a bonafide record of project work done by **R.KIRUTHIKA (Reg.No: CB21S 260580)** and **V.MANOHA (Reg.No: CB21S 2601582)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

S. Ate 06/03/24.

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**BONAFAIDE CERTIFICATE**

This is to certify that the project entitled “OPTIMAL LOCAL DIRECTION BINARY PATTERN BASED PALMPRINT RECOGNITION” is a bonafide record of project work done by S.MENAKA (Reg.No: CB21S 260583) and S.MUSBATH RIHANA (Reg.No CB21S 260584) submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the VI Semester of academic year 2023-2024.

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**Assistant Professor  
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KUMBAKONAM - 612 001**

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Viva-Voice Examination held on ..08/03/2024

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**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “A NOVEL DYNAMIC CO-SIMULATION ANALYSIS FOR OVERALL CLOSED LOOP OPERATION CONTROL OF A LARGE WIND TURBINE” is a bonafide record of project work done by R.NAGADHARSHINI (Reg.No CB21S 260585) and N.NOORUL AFZHA (Reg.No CB21S 260586) submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of Bachelor of Computer Applications during the VI Semester of academic year 2023-2024.

*J. Durg* 6/3/2024  
INTERNAL GUIDE

**Assistant Professor**  
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**KUMBAKONAM - 612.001**

*[Signature]* 8/3/24  
HEAD OF THE DEPARTMENT

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**Dept. of Computer Applications,**  
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**Kumbakonam - 612 001.**

Viva-Voice Examination held on 08/03/2024

Examiners:

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*T. R. S. 6/3/2024*  
INTERNAL GUIDE

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612-001**

*[Signature]*  
HEAD OF THE DEPARTMENT

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001,**

Viva-Voice Examination held on *08/03/2024*

Examiners:

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Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONAFAIDE CERTIFICATE**

This is to certify that the project entitled “**ULTRA – LOW OVERHEAD DYNAMIC WATERMARKING ON SCAN DESIGN FOR HARD IP PROTECTION**” is a bonafide record of project work done by **R.PRAVEENA (Reg.No: CB21S 260588)** and **R.RAGHAVI (Reg.No: CB21S 260589)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*[Signature]*  
6/03/2024  
**INTERNAL GUIDE**

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612 001**

*[Signature]*  
6/3/24  
**HEAD OF THE DEPARTMENT**  
**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on 08.03.2024

Examiners:

1. *[Signature]*  
8/3/24
2. *[Signature]*  
8/3/24

**IDHAYA COLLEGE FOR WOMEN**

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*[Signature]*  
7/03/2024  
INTERNAL GUIDE

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612 001**

*[Signature]*  
6/3/24  
**HEAD OF THE DEPARTMENT**  
**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001,**

Viva-Voice Examination held on 08.03.2024

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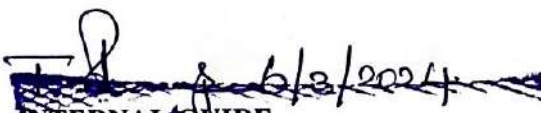
Kumbakonam – 612 001


**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

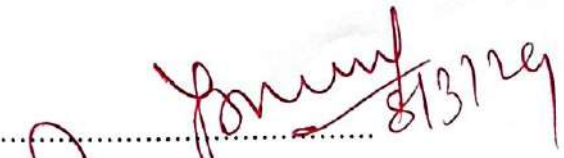

This is to certify that the project entitled “**MONITORING SUSPICIOUS DISCUSSIONS ON ONLINE FORUMS USING DATA MINING**” is a bonafide record of project work done by **K.RANJANI (Reg.No: CB21S 260590)** and **B.RASIKA (Reg.No: CB21S 260591)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

  
**INTERNAL GUIDE**  
**Assistant Professor**  
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**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612-001**

  
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**Head & Assistant Professor,**  
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Viva-Voice Examination held on 08.03.2024.

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**BONA FIDE CERTIFICATE**

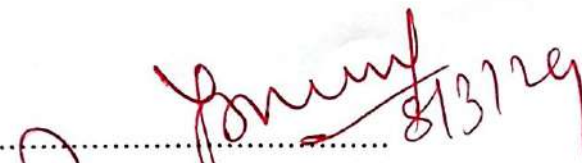

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**INTERNAL GUIDE**  
**Assistant Professor**  
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**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**ECOMMERCE FAKE PRODUCT REVIEWS MONITOR AND DELETION SYSTEM**” is a bonafide record of project work done by **V.M.RESHMADEVI (Reg.No CB21S 260592)** and **K.RITHISHA (Reg.No: CB21S 260593)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*A. S. 08/03/24*

**INTERNAL GUIDE**

**Assistant Professor  
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KUMBAKONAM - 612-001**

*[Signature]*

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,  
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Viva-Voice Examination held on **08/03/2024**

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**Assistant Professor  
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*[Handwritten Signature]*  
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Viva-Voice Examination held on **08/03/2024**

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**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONAFAIDE CERTIFICATE**

This is to certify that the project entitled “**APPROACH TO SECURE DATA SHARING IN THE INTERNET OF THINGS BASED ON BLOCKCHAIN**” is a bonafide record of project work done by **M.ROOBICA (Reg.No: CB21S 260594)** and **S.ROSHINI (Reg.No: CB21S 260595)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the VI Semester of academic year **2023-2024**.

S. Atel 06/03/24  
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**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled “**EXAM SEATING ARRANGEMENT SYSTEM**” is a bonafide record of project work done by **S.SAFREEN SANA (Reg.No: CB21S 260596)** and **V.SREE KAVIYA (Reg.No: CB21S 260603)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*A. S. 6/2/24*  
INTERNAL GUIDE

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM 612 001**

*[Signature]*  
HEAD OF THE DEPARTMENT

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on *8/3/2024*

Examiners:

- [Signature]*  
*8/3/24*
- [Signature]*

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

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This is to certify that the project entitled "MIDDLEBOX -BASED PACKET-LEVEL REDUNDANCY ELIMINATION OVER ENCRYPTED NETWORK TRAFFIC" is a bonafide record of project work done by G.SNEKA (Reg.No CB21S260602) and M.SANDHIYA (Reg.No: CB21S260597) submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the VI Semester of academic year 2023-2024.

T. Suresh 6/3/2024.

INTERNAL GUIDE

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612-001**

*[Handwritten signature]*  
8/3/24

HEAD OF THE DEPARTMENT

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on 08.03.2024

Examiners:

1. *[Handwritten signature]* 8/3/24

2. *[Handwritten signature]*

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**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**IMPROVISING PERSONALIZED TRAVEL RECOMMENDATION SYSTEM WITH RECENCY EFFECTS**” is a bonafide record of project work done by **R.SELVABHARATHI (Reg.No: CB21S 260598)** and **M.SHAFEEKA (Reg.No: CB21S 260599)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*T. Suresh 6/3/2024*  
INTERNAL GUIDE  
- **Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
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*[Signature]*  
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**Head & Assistant Professor,**  
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**Kumbakonam - 612 001.**

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This is to certify that the project entitled “A SENTIMENT POLARITY CATEGORIZATION TECHNIQUE FOR ONLINE PRODUCT REVIEWS” is a bonafide record of project work done by **D.SHARMILA (Reg.No: CB21S 260600)** and **E.SINDHUJA (Reg.No: CB21S 260601)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*S. Bahly*  
INTERNAL GUIDE 6/03/2024  
**Assistant Professor**  
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**IDHAYA COLLEGE FOR WOMEN**  
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**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612-001**

Handwritten signature in red ink, dated 6/3/24.

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on 08.03.2024

Examiners:

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2. ....

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**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “EFFICIENT PRIVACY-PRESERVING MACHINE LEARNING IN HIERARCHICAL DISTRIBUTED SYSTEM” is a bonafide record of project work done by **K.SUGANYA (Reg.No: CB21S 260606)** and **P.SUVATHI (Reg.No: CB21S 260607)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*G. S. 7/12/24*

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**Assistant Professor  
Dept. of Computer Applications  
IDHAYA COLLEGE FOR WOMEN  
KUMBAKONAM - 612 001**

*[Handwritten signature]*

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,  
Dept. of Computer Applications,  
Idhaya College for Women,  
Kumbakonam - 612 001.**

Viva-Voice Examination held on ... *8/3/2024* .....

Examiners:

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*[Handwritten Signature]*  
7/12/24

**INTERNAL GUIDE**

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612 001**

*[Handwritten Signature]*  
8/3/24

**HEAD OF THE DEPARTMENT**

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**Dept. of Computer Applications,**  
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**Kumbakonam - 612 001.**

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**BONAFAIDE CERTIFICATE**

This is to certify that the project entitled “A DEEP LEARNING APPROACH TO ON –NODE SENSOR DATA ANALYTICS FOR MOBILE OR WEARABLE DEVICES” is a bonafide record of project work done by **G.SUVEDHA (Reg.No: CB21S 260608)** and **P.SWETHA (Reg.No: CB21S 260609)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

S. Atal 06/03/24.

**INTERNAL GUIDE**  
**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612-001**

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**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**DESIGN AND EVALUATION OF A DISCRETE WAVELET TRANSFORM BASED MULTI-SIGNAL RECEIVER**” is a bonafide record of project work done by **N.THILRAS BANU (Reg.No: CB21S 260610)** and **M.VIDHYA (Reg.No: CB21S 260611)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*S. Bahly*  
INTERNAL GUIDE 6/03/2024  
**Assistant Professor**  
**Dept. of Computer Applications**  
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*[Signature]*  
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Viva-Voice Examination held on *08/03/2024*.

Examiners:

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*[Handwritten Signature]*  
8/3/24

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**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONAFAIDE CERTIFICATE**

This is to certify that the project entitled “EFFICIENT MODELING OF THE CAPTURE EFFECT FOR LOW POWER WIRELESS NETWORKS” is a bonafide record of project work done by N.VIJAYALAKSHMI (Reg.No: CB21S 260612) and V.VIJAYARANI (Reg.No: CB21S 260613) submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

**INTERNAL GUIDE**

**Assistant Professor  
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**HEAD OF THE DEPARTMENT**

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This is to certify that the project entitled “**HIGHER WIRELESS CONNECTION CAPACITY ROUTE SELECTION ALGORITHMS FOR AUTOMOBILES TRAVELING BETWEEN TWO POINTS**” is a bonafide record of project work done by **M.YASIRA PARVEEN (Reg.No CB21S 260614)** and **C.ABARNA (Reg.No: CB21S 260615)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of Bachelor of Computer Applications during the **VI Semester** of academic year **2023-2024**.

**INTERNAL GUIDE**

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**Assistant Professor  
Dept. of Computer Applications  
IDHAYA COLLEGE FOR WOMEN  
KUMBAKONAM - 612 001**

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,  
Dept. of Computer Applications,  
Idhaya College for Women,  
Kumbakonam - 612 001.**

Viva-Voice Examination held on ...08..03..2024.

Examiners:

1. ....

2. ....

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

(Affiliated to Bharathidasan University)

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An ISO 9001:2015 Certified Institution

Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled “SPATIAL CHARACTERIZATION OF RADIO PROPAGATION CHANNEL IN URBAN VEHICLE-TO-INFRASTRUCTURE ENVIRONMENTS TO SUPPORT WSN DEPLOYMENT” is a bonafide record of project work done by A.ABINAYA (Reg.No: CB21S 260616) and N.ABINAYA (Reg.No: CB21S 260617) submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the VI Semester of academic year 2023-2024.

*A. S. S. 8/2/24*

**INTERNAL GUIDE**

**Assistant Professor**

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IDHAYA COLLEGE FOR WOMEN  
KUMBAKONAM - 612.001**

*N. S. S. 8/3/24*

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Viva-Voice Examination held on **08.03.2024**

Examiners:

1. *S. S. S. 8/3/24*
2. *N. S. S. 8/3/24*

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**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**BUS BOOKING SYSTEM**” is a bonafide record of project work done by **R. AISHWARYA (Reg.No CB21S 260618)** and **A.BHUVANESHWARI (Reg.No: CB21S 260623)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*J. Durg* 6/3/2024.  
INTERNAL GUIDE

**Assistant Professor**  
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*[Signature]*  
**HEAD OF THE DEPARTMENT**  
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**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on ... *8/3/2024* ...

Examiners:

1. *[Signature]* 8/3/24

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**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “AN ANT-BASED SENSOR MEASUREMENT DATA GATHERING SYSTEM” is a bonafide record of project work done by M.ASMAJASMIN (Reg.No: CB21S 260622) and M.AKILANDESHWARI (Reg.No: CB21S 260619) submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

T. Suresh 6/3/2024

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Examiners:

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**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “FUZZY ADAPTIVE REPETITIVE CONTROL FOR PERIODIC DISTURBANCE WITH ITS APPLICATION TO HIGH PERFORMANCE PERMANENT MAGNET SYNCHRONOUS MOTOR SPEED SERVO SYSTEM” is a bonafide record of project work done by K.ANUSHA (Reg.No: CB21S 260620) and J.ARTHI (Reg.No: CB21S 260621) submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*06/03/2024*  
INTERNAL GUIDE

**Assistant Professor**  
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**KUMBAKONAM - 612 001**

Viva-Voice Examination held on **08/03/2024**

Examiners:

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*08/03/24*  
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*[Signature]*  
**HEAD OF THE DEPARTMENT**  
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Viva-Voice Examination held on *8/3/2024*

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**BONAFAIDE CERTIFICATE**

This is to certify that the project entitled “**DENSE SPACE-DIVISION MULTIPLEXED TRANSMISSION SYSTEMS USING MULTI-CORE AND MULTI-MODE FIBER**” is a bonafide record of project work done by **E.BHUVANESHWARI** (Reg.No: CB21S 260624) and **P.DEEPA** (Reg.No: CB21S 260625) submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

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**KUMBAKONAM - 612-001**

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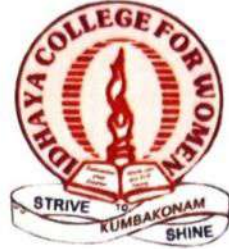
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**INTERNAL GUIDE**

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**KUMBAKONAM - 612-001**

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
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Viva-Voice Examination held on ... **08/03/2024**

Examiners:

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**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled “**COOPERATIVE ROUTING PROTOCOL FOR CONTENT-CENTRIC NETWORKING**” is a bonafide record of project work done by **B.DHARSHANA** (Reg.No: **CB21S 260626**) and **S.DIVYA** (Reg.No: **CB21S 260627**) submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year 2023-2024.

*A. S. 6/2/24*

**INTERNAL GUIDE**

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612-001**

*[Red Signature] 6/3/24*

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on **08/03/24**

Examiners:

1. *[Red Signature] 2/3/24*

2. *[Red Signature] 2/3/24*

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*[Signature]*

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**INTERNAL GUIDE**

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**INTERNAL GUIDE**

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Viva-Voice Examination held on ..... **8/3/2024** .....

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**BONAFAIDE CERTIFICATE**

This is to certify that the project entitled “COLLEGE STAFF MANAGEMENT SYSTEM” is a bonafide record of project work done by **M.GAYATHRI (Reg.No: CB21S 260630)** and **K.HARINI (Reg.No: CB21S 260631)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*Deenkol 06/03/2024*

INTERNAL GUIDE

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612 001**

*[Handwritten Signature]*

HEAD OF THE DEPARTMENT

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001,,**

Viva-Voice Examination held on *8/3/2024*.....

Examiners:

1. .... *[Handwritten Signature]* *8/3/24*

2. .... *[Handwritten Signature]*

**IDHAYA COLLEGE FOR WOMEN**

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*Deekshitha*  
06/03/2024

INTERNAL GUIDE

**Assistant Professor**  
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**KUMBAKONAM - 612 001**

*[Handwritten Signature]*

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*[Handwritten Signatures]*  
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**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “EMPLOYEE ASSET MANAGEMENT SYSTEM” is a bonafide record of project work done by **M.HARINI (Reg.No: CB21S 260632)** and **P.ISWARYA (Reg.No: CB21S 2601633)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

S. Atg 06/03/24

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Viva-Voice Examination held on 08/03/2024.

Examiners:

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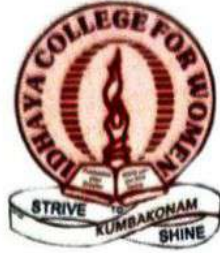
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S. Atal 06/03/24

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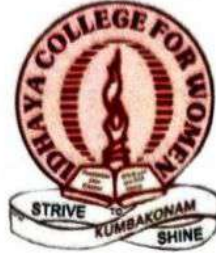
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**BONAFAIDE CERTIFICATE**

This is to certify that the project entitled “ **EMPLOYEE TASK MANAGEMENT SYSTEM**” is a bonafide record of project work done by **K.KAMALIYA (Reg.No: CB21S 260634)** and **R.KAVIYA (Reg.No: CB21S 260636)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

S. Atal 06/03/24  
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**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on **08/03/2024**..

Examiners:

1. ....

2. ....

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

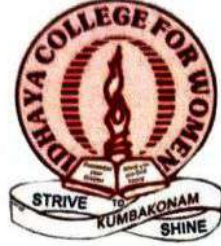
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Recognized by 2(f) & 12(B) of UGC Act 1956

An ISO 9001:2015 Certified Institution

Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONAFAIDE CERTIFICATE**

This is to certify that the project entitled “ **EMPLOYEE TASK MANAGEMENT SYSTEM**” is a bonafide record of project work done by **K.KAMALIYA (Reg.No: CB21S 260634)** and **R.KAVIYA (Reg.No: CB21S 260636)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

S. Atal 06/03/24  
INTERNAL GUIDE

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612-001**

HEAD OF THE DEPARTMENT

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on **08/03/2024**..

Examiners:

1. ....

2. ....

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

(Affiliated to Bharathidasan University)

Recognized by 2(f) & 12(B) of UGC Act 1956

An ISO 9001:2015 Certified Institution

Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “EXPENSE MANAGEMENT SYSTEM” is a bonafide record of project work done by **K.KEERTHI** (Reg.No: CB21S 260637) and **K.LAILATHUL NATCHIYA** (Reg.No: CB21S 260638) submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year 2023-2024.

**INTERNAL GUIDE**

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612 001**

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on **08/03/2024**

Examiners:

1.

2.

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

(Affiliated to Bharathidasan University)

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An ISO 9001:2015 Certified Institution

Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

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**INTERNAL GUIDE**

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612 001**

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on **08/03/2024**

Examiners:

1.

2.

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

(Affiliated to Bharathidasan University)

Recognized by 2(f) & 12(B) of UGC Act 1956

An ISO 9001:2015 Certified Institution

Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**LIBRARY MANAGEMENT SYSTEM**” is a bonafide record of project work done by **M.LATHIKA (Reg.No: CB21S 260639)** and **S.MAHA (Reg.No: CB21S 260640)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*[Signature]*  
08/03/2024  
**INTERNAL GUIDE**  
**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612-001**

*[Signature]*  
08/03/24  
**HEAD OF THE DEPARTMENT**  
**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on **08/03/2024**

Examiners:

1. *[Signature]*  
08/03/24
2. *[Signature]*  
08/03/24

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

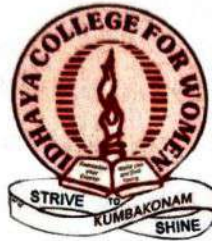
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Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONAFAIDE CERTIFICATE**

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**INTERNAL GUIDE**  
**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612-001**

  
**HEAD OF THE DEPARTMENT**  
**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001,**

Viva-Voice Examination held on **08/08/2024**

Examiners:

1. 

2. 

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

(Affiliated to Bharathidasan University)

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Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**ONLINE GROCERY CUSTOMER MANAGEMENT SYSTEM**” is a bonafide record of project work done by **S.MONISHA (Reg.No: CB21S 260641)** and **M.PRAVEENA (Reg.No: CB21S 260642)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

  
**INTERNAL GUIDE**

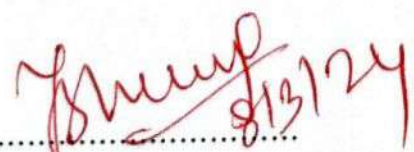

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612-001**

  
**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001**

Viva-Voice Examination held on 8/3/2024

Examiners:

1. 
2. 

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

(Affiliated to Bharathidasan University)

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An ISO 9001:2015 Certified Institution

Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

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*[Signature]*  
06/03/2024

**INTERNAL GUIDE**

**Assistant Professor  
Dept. of Computer Applications  
IDHAYA COLLEGE FOR WOMEN  
KUMBAKONAM - 612-001**

*[Signature]*  
8/3/24

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,  
Dept. of Computer Applications,  
Idhaya College for Women,  
Kumbakonam - 612 001**

Viva-Voice Examination held on *8/3/2024*

Examiners:

1. *[Signature]*  
*8/3/24*
2. *[Signature]*

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

(Affiliated to Bharathidasan University)

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An ISO 9001:2015 Certified Institution

Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “PANCHAYAT COMPLAINT MANAGEMENT SYSTEM” is a bonafide record of project work done by S.PRIYADHARSHINI (Reg.No: CB21S 260643) and A.PUSPA (Reg.No: CB21S 260644) submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

**INTERNAL GUIDE**

**Assistant Professor  
Dept. of Computer Applications  
IDHAYA COLLEGE FOR WOMEN  
KUMBAKONAM - 612 001**

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,  
Dept. of Computer Applications,  
Idhaya College for Women,  
Kumbakonam - 612 001.**

Viva-Voice Examination held on 08.03.2024

Examiners:

1. .....

2. .....

**IDHAYA COLLEGE FOR WOMEN**

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(Affiliated to Bharathidasan University)

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Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONAFAIDE CERTIFICATE**

This is to certify that the project entitled “PANCHAYAT COMPLAINT MANAGEMENT SYSTEM” is a bonafide record of project work done by **S.PRIYADHARSHINI (Reg.No: CB21S 260643)** and **A.PUSPA (Reg.No: CB21S 260644)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

**INTERNAL GUIDE**

**Assistant Professor  
Dept. of Computer Applications  
IDHAYA COLLEGE FOR WOMEN  
KUMBAKONAM - 612 001**

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,  
Dept. of Computer Applications,  
Idhaya College for Women,  
Kumbakonam - 612 001.**

Viva-Voice Examination held on 08.03.2024

Examiners:

- 1.
- 2.

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

(Affiliated to Bharathidasan University)

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Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**PHARMACY MANAGEMENT SYSTEM**” is a bonafide record of project work done by **B.PUSHPABALA (Reg.No: CB21S 260645)** and **R.RAMYA (Reg.No: CB21S 260646)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the VI Semester of academic year **2023-2024**.

*S. Bahly*  
INTERNAL GUIDE 6/03/2024

Assistant Professor  
Dept. of Computer Applications  
IDHAYA COLLEGE FOR WOMEN  
KUMBAKONAM - 612-001

*[Signature]*  
HEAD OF THE DEPARTMENT

Head & Assistant Professor,  
Dept. of Computer Applications,  
Idhaya College for Women,  
Kumbakonam - 612 001.

Viva-Voice Examination held on 08/03/2024....

Examiners:

1. .... *[Signature]* 8/3/24

2. .... *[Signature]* 8/3/24

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

(Affiliated to Bharathidasan University)

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**DEPARTMENT OF COMPUTER APPLICATIONS**



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*S. Bahly*  
INTERNAL GUIDE 6/03/2024

Assistant Professor  
Dept. of Computer Applications  
IDHAYA COLLEGE FOR WOMEN  
KUMBAKONAM - 612-001

*[Handwritten Signature]*  
8/3/24

HEAD OF THE DEPARTMENT

Head & Assistant Professor,  
Dept. of Computer Applications,  
Idhaya College for Women,  
Kumbakonam - 612 001.

Viva-Voice Examination held on 08/03/2024....

Examiners:

1. *[Handwritten Signature]* 8/3/24
2. *[Handwritten Signature]*

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

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Recognized by 2(f) & 12(B) of UGC Act 1956

An ISO 9001:2015 Certified Institution

Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**VEHICLE PARKING MANAGEMENT SYSTEM**” is a bonafide record of project work done by **R.RASHIKA (Reg.No: CB21S 260647)** and **B.REENA (Reg.No: CB21S 260648)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

**INTERNAL GUIDE**

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612 001**

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on **08/03/2024**

Examiners:

1. ....

2. ....

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

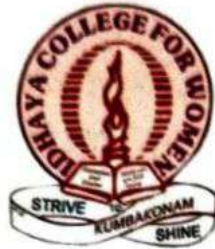
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Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled “VEHICLE PARKING MANAGEMENT SYSTEM” is a bonafide record of project work done by **R.RASHIKA (Reg.No: CB21S 260647)** and **B.REENA (Reg.No: CB21S 260648)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

**INTERNAL GUIDE**

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612 001**

**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on **08/03/2024**

Examiners:

1. ....

2. ....

**IDHAYA COLLEGE FOR WOMEN**

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Recognized by 2(f) & 12(B) of UGC Act 1956

An ISO 9001:2015 Certified Institution

Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**TRADEOFF ANALYSIS AND JOINT OPTIMIZATION OF LINK-LAYER ENERGY EFFICIENCY AND EFFECTIVE CAPACITY TOWARDS GREEN COMMUNICATIONS**” is a bonafide record of project work done by **S.SAJITHABANU (Reg.No: CB21S 260649)** and **S.SAKTHI (Reg.No: CB21S 260650)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*S. Bahl*  
INTERNAL GUIDE 6/03/2024

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612 001**

*[Handwritten Signature]*  
HEAD OF THE DEPARTMENT

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on **08/03/2024**

Examiners:

1. *[Handwritten Signature]* 8/3/24
2. *[Handwritten Signature]*

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

(Affiliated to Bharathidasan University)

Recognized by 2(f) & 12(B) of UGC Act 1956

An ISO 9001:2015 Certified Institution

Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

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*S. Bahlu*  
INTERNAL GUIDE 6/03/2024

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612 001**

Viva-Voice Examination held on 08/02/2024

Examiners:

1. *[Signature]* 8/3/24
2. *[Signature]*

HEAD OF THE DEPARTMENT

*[Signature]*  
**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

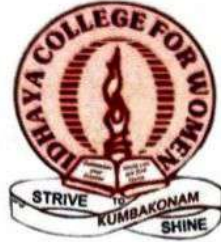
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An ISO 9001:2015 Certified Institution

Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**JAVA BASED SUPPORT FOR CELL BROADCAST AS GLOBAL EMERGENCY ALERT SYSTEM**” is a bonafide record of project work done by **A.SANDHIYA (Reg.No: CB21S 260651)** and **R.SANGAVI (Reg.No: CB21S 260652)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

  
**INTERNAL GUIDE** 6/03/2024

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612 001**

  
**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 004.**

Viva-Voice Examination held on ..08..03..2024

Examiners:

1. ....  


2. ....  


**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

(Affiliated to Bharathidasan University)

Recognized by 2(f) & 12(B) of UGC Act 1956

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Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

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*S. Bahlu*  
INTERNAL GUIDE 6/03/2024

**Assistant Professor**  
Dept. of Computer Applications  
IDHAYA COLLEGE FOR WOMEN  
KUMBAKONAM - 612 001

*[Handwritten Signature]*

HEAD OF THE DEPARTMENT

**Head & Assistant Professor,**  
Dept. of Computer Applications,  
Idhaya College for Women,  
Kumbakonam - 612 004.

Viva-Voice Examination held on ..08..10/03/..2024

Examiners:

1. ....  
*[Handwritten Signature]* 8/3/24

2. ....  
*[Handwritten Signature]* 8/3/24

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

(Affiliated to Bharathidasan University)

Recognized by 2(f) & 12(B) of UGC Act 1956

An ISO 9001:2015 Certified Institution

Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

This is to certify that the project entitled “**CHARACTERIZATION OF RADIO PROPAGATION CHANNEL IN URBAN VEHICLE TO INFRASTRUCTURE ENVIRONMENTSTO SUPPORT WSNS**” is a bonafide record of project work done by **A.SARANYA (Reg.No: CB21S 260653)** and **R.SHALINI (Reg.No: CB21S 260654)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*T. Suresh* 6/3/2024.  
**INTERNAL GUIDE**

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612 001**

*[Signature]*  
**HEAD OF THE DEPARTMENT**

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on 08/03/2024....

Examiners:

1. ....

2. ....

*[Signature]* 8/3/24  
*[Signature]* 8/3/24

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

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**DEPARTMENT OF COMPUTER APPLICATIONS**



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*T. Sampath* 6/8/2024.  
INTERNAL GUIDE

**Assistant Professor**  
**Dept. of Computer Applications**  
**IDHAYA COLLEGE FOR WOMEN**  
**KUMBAKONAM - 612 001**

*[Signature]*  
HEAD OF THE DEPARTMENT

**Head & Assistant Professor,**  
**Dept. of Computer Applications,**  
**Idhaya College for Women,**  
**Kumbakonam - 612 001.**

Viva-Voice Examination held on 08/03/2024.....

Examiners:

1. *[Signature]* 8/3/24

2. *[Signature]* 8/3/24

**IDHAYA COLLEGE FOR WOMEN**

Accredited with A+ Grade by NAAC 1<sup>st</sup> cycle

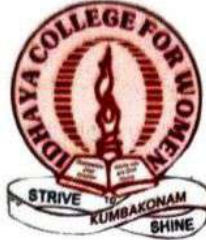
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Kumbakonam – 612 001

**DEPARTMENT OF COMPUTER APPLICATIONS**



**BONA FIDE CERTIFICATE**

This is to certify that the project entitled "A ROBUST AND EFFICIENT REAL TIME NETWORK INTRUSION DETECTION SYSTEM USING ARTIFICIAL NEURAL NETWORK IN DATA MINING" is a bonafide record of project work done by **R.SHANMUGI (Reg.No: CB21S 260655)** and **B.SILPHARATHI (Reg.No: CB21S 260656)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*[Handwritten signature in red ink]*

**INTERNAL GUIDE**

**Assistant Professor  
Dept. of Computer Applications  
IDHAYA COLLEGE FOR WOMEN  
KUMBAKONAM - 612 001**

Viva-Voice Examination held on 8/3/2024.....

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*[Handwritten signature in red ink]*

**HEAD OF THE DEPARTMENT**

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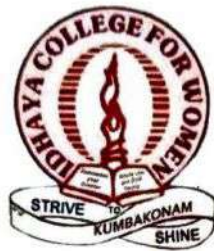
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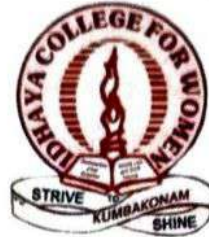
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S. Atch 06/03/24.

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**Assistant Professor**  
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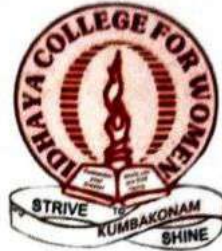
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**BONAFAIDE CERTIFICATE**

This is to certify that the project entitled “**MODIFIED ADAPTIVE FILTER BASED UPQC FOR BATTERY SUPPORTED HYDRO DRIVEN PMSG SYSTEM**” is a bonafide record of project work done by **M.VAISHNAVI (Reg.No: CB21S 260659)** and **K.VINITHA (Reg.No: CB21S 260660)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*[Handwritten Signature]*  
6/3/24

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6/3/24

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Viva-Voice Examination held on 08.03.2024.

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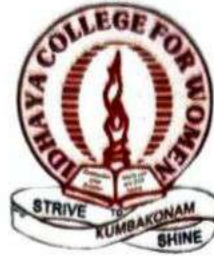
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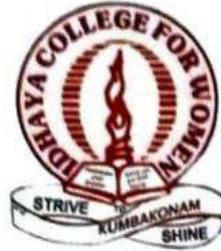
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**BONAFAIDE CERTIFICATE**

This is to certify that the project entitled “WHOLE SLIDE IMAGES BASED CERVICAL CANCER CLASSIFICATION USING SELF SUPERVISED LEARNING AND MULTIPLE INSTANCE LEARNING” is a bonafide record of project work done by V.VIVETHA (Reg.No: CB21S 260661) and V.YOGAVARSHA (CB21S 260662) submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of Bachelor of Computer Applications during the VI Semester of academic year 2023-2024.

*[Handwritten Signature]*  
06/03/2024

**INTERNAL GUIDE**

**Assistant Professor**

**Dept. of Computer Applications  
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*[Handwritten Signature]*  
6/3/24

**HEAD OF THE DEPARTMENT**

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Viva-Voice Examination held on 08.03.2024...

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1. ....

2. ....

*[Handwritten Signatures]*  
8/3/24  
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*Manikandan*  
06/03/2024

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**Assistant Professor**

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*[Signature]*  
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**BONAFAIDE CERTIFICATE**

This is to certify that the project entitled “WEED IDENTIFICATION USING DEEP LEARNING AND IMAGE PROCESSING IN VEGETABLE PLANTATION” is a bonafide record of project work done by **M.JESIRA SAFRIN (Reg.No: CB19S 258907)** submitted to Bharathidasan University, Tiruchirappalli in partial fulfillment of the requirements for the award of degree of **Bachelor of Computer Applications** during the **VI Semester** of academic year **2023-2024**.

*A. S. 6/3/24*

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