



CHAITANYA DEGREE & PG COLLEGE FOR WOMEN

Affiliated to Andhra University, Chaitanya nagar, Old Gajuwaka, Visakhapatnam-530026.

$$f(x) = \frac{f^{(n+1)}(\xi)}{(n+1)!} \prod_{i=0}^n (x - x_i)$$

CHAITANYA DEGREE AND PG COLLEGE FOR WOMEN

IV- SEMESTER

BATCH-2021-2023

MATHEMATICS IN HOUSE PROJECTS



CHAITANYA DEGREE & P.G. COLLEGE FOR WOMEN

H.M.Sc - MATHEMATICS - IV SEMESTER - PROJECT DETAILS - 2021-2023

| N.No. | NAME OF THE STUDENT | REG.NO | PROJECT NAME | Signature of the Student |
|-------|------------------------------|--------------|---|--------------------------|
| 1 | GODABA DEVI MAHESWARI | 721228526001 | Finite and infinite Continued fraction | G. Devyakeshvari |
| 2 | BARLA VENKATA VARSHA | 721228526002 | Application of mathematics in real life. | B. Venkata Varsha |
| 3 | DUGGAPU SANDHYA | 721228526003 | Applications of mathematics in real life. | D. Sandhya |
| 4 | DWARAPUDI KRISHNA VENI | 721228526004 | Finite and infinite Continued fractions. | D. Krishna Veni |
| 5 | ANDRA GAYATRI | 721228526005 | Finite and infinite Continued fraction | A. Gayatri |
| 6 | GUDI SWATHI(PG CET) | 721228526006 | Applications of mathematics in real life | G. Swathi |
| 7 | KANCHARANA TRIVENI | 721228526007 | Application of mathematics in real life | K. Triveni |
| 8 | KARANAM DEVI (PG CET) | 721228526008 | DC | |
| 9 | KOTNI HARIKA(PGCET) | 721228526009 | Applications of mathematics in real life | K. Harika |
| 10 | MUPPIDI SWATHI (HOSTLER) | 721228526010 | Finite and infinite Continued fractions | M. Swathi |
| 11 | PALLA NANDINI | 721228526011 | Finite and infinite Continued fraction | P. Nandini |
| 12 | SARVASIDDHI BHARGAVI(PG CET) | 721228526012 | Study of equivalent forms in Binary Quadratic forms | S. Bhargavi |
| 13 | SRIDEVI MUTCHAKARLA | 721228526013 | Study of equivalent forms in binary Quadratic forms | M. Sridevi |
| 14 | TAMMINENI SHALINI | 721228526014 | Study of equivalent forms in Binary Quadratic forms | T. Shalini |
| 15 | YELLETTI ANUSHA | 721228526015 | Study of equivalent forms in Binary quadratic forms | Y. Anusha |

Total No. of Students appeared:- 14

No. of Students Submitted:- 14

Sailaja
Signature of HOB

K. Anand
Signature of Director

Director

CHAITANYA DEGREE & PG COLLEGE FOR W.C
Chaitanyanagar, Old Gajuwaka, Visakhapatnam-23.





CHAITANYA DEGREE & PG COLLEGE FOR WOMEN

Affiliated to Andhra University, Chaitanya nagar, Old Gajuwaka, Visakhapatnam-530026.

DEPARTMENT OF MATHEMATICS
CHAITANYA DEGREE AND PG COLLEGE FOR WOMEN
(Affiliated to Andhra University, Visakhapatnam)
Gajuwaka-530026, Visakhapatnam



E-mail:chaitanyamathematicshod@gmail.com

CERTIFICATE

This is to certify that the Project report on “FINITE AND INFINITE CONTINUED FRACTION” is a bonafide work done by **G.MAHESHWARI**, student of **M.Sc** final year with Regd. No: 721228526001 P.G. department of **MATHEMATICS, CHAITHANYA DEGREE & PG COLLEGE FOR WOMEN** under my guidance.

N.SAILAJA M.Sc
HOD of Mathematics

Head of the Department of Mathematics
Chaitanya Degree & P.G. College for Women,
Chaitanyanagar, Old Gajuwaka, Visakhapatnam-26



Project guide
N. SAILAJA M.Sc
Lecturer in Mathematics



Estd. 1996

CHAITANYA DEGREE & PG COLLEGE FOR WOMEN

Affiliated to Andhra University, Chaitanya nagar, Old Gajuwaka, Visakhapatnam-530026.

**DEPARTMENT OF MATHEMATICS
CHAITANYA DEGREE AND PG COLLEGE FOR WOMEN
(Affiliated to Andhra University, Visakhapatnam)
Gajuwaka-530026, Visakhapatnam**

HOD OF MATHEMATICS

N.SAILAJA M.Sc

PH.NO:8912757592



project guide

K.GOUTAMI MS.c,B.Ed

LECTURER OF MATHEMATICS

E-mail:chaitanyamathematicshod@gmail.com

CERTIFICATE

This is to certify that the Project report on "Applications of mathematics in real life" is a bonafide work done by B.VENKATA VARSHA, student of M.Sc final year with Regd. No: 721228526002 P.G. department of MATHEMATICS, CHAITHANYA DEGREE & PG COLLEGE FOR WOMEN under my guidance.

N.SAILAJA M.Sc
HOD of Mathematics



K.GOUTAMI M.Sc, B.Ed
Lecturer in Mathematics

Head of the Department of Mathematics,
Chaitanya Degree & P.G. College for Women,
Chaitanyanagar, Old Gajuwaka, Visakhapatnam-530026.



Estd. 1996

CHAITANYA DEGREE & PG COLLEGE FOR WOMEN

Affiliated to Andhra University, Chaitanya nagar, Old Gajuwaka, Visakhapatnam-530026.

DEPARTMENT OF MATHEMATICS
CHAITANYA DEGREE AND PG COLLEGE FOR WOMEN
(Affiliated to Andhra University, Visakhapatnam)
Gajuwaka-530026, Visakhapatnam



E-mail:chaitanyamathematicshod@gmail.com

CERTIFICATE

This is to certify that the Project report on “FINITE AND INFINITE CONTINUED FRACTION” is a bonafide work done by **D. KRISHNAVENI**, student of M.Sc final year with Regd. No: 721228526004 P.G. department of **MATHEMATICS, CHAITHANYA DEGREE & PG COLLEGE FOR WOMEN** under my guidance.

N.SAILAJA M.Sc

HOD of Mathematics

Head of the Department of Mathematics
Chaitanya Degree & P.G. College for Women
Chaitanyanagar, Old Gajuwaka, Visakhapatnam-26



Project guide

N. SAILAJA M.Sc

Lecturer in Mathematics



**DEPARTMENT OF MATHEMATICS
CHAITANYA DEGREE AND PG COLLEGE FOR WOMEN
(Affiliated to Andhra University, Visakhapatnam)
Gajuwaka-530026, Visakhapatnam**

HOD OF MATHEMATICS

N.SAILAJA M.Sc

PH.NO:8912757592



project guide

K.GOUTAMI MS.c,B.Ed

LECTURER OF MATHEMATICS

E-mail:chaitanyamathematicshod@gmail.com

CERTIFICATE

This is to certify that the Project report on "Applications of mathematics in real life" is a bonafide work done by D.SANDHYA, student of M.Sc final year with Regd. No: 721228526003 P.G. department of MATHEMATICS, CHAITHANYA DEGREE & PG COLLEGE FOR WOMEN under my guidance.

N.SAILAJA M.Sc
HOD of Mathematics

Head of the Department of Mathematics
Chaitanya Degree & P.G. College for Women
Chaitanyanagar, Old Gajuwaka, Visakhapatnam-26



Project guide
K.GOUTAMI M.Sc, B.Ed
Lecturer in Mathematics



DEPARTMENT OF MATHEMATICS
CHAITANYA DEGREE AND PG COLLEGE FOR WOMEN
(Affiliated to Andhra University, Visakhapatnam)
Gajuwaka-530026, Visakhapatnam



E-mail:chaitanyamathematicshod@gmail.com

CERTIFICATE

This is to certify that the Project report on “FINITE AND INFINITE CONTINUED FRACTION” is a bonafide work done by A.GAYATRI, student of M.Sc final year with Regd. No: 721228526005 P.G. department of MATHEMATICS, CHAITHANYA DEGREE & PG COLLEGE FOR WOMEN under my guidance.

N.SAILAJA M.Sc

HOD of Mathematics



Project guide

N. SAILAJA M.Sc

Lecturer in Mathematics



DEPARTMENT OF MATHEMATICS
CHAITANYA DEGREE AND PG COLLEGE FOR WOMEN
(Affiliated to Andhra University, Visakhapatnam)
Gajuwaka-530026, Visakhapatnam

HOD OF MATHEMATICS

N.SAILAJA M.Sc

PH.NO:8912757592



project guide

K.GOUTAMI MS.c,B.Ed

LECTURER OF MATHEMATICS

E-mail:chaitanyamathematicshod@gmail.com

CERTIFICATE

This is to certify that the Project report on "**Applications of mathematics in real life**" is a bonafide work done by **G.SWATHI**, student of **M.Sc final year** with Regd. No: 721228526006 P.G. department of **MATHEMATICS, CHAITHANYA DEGREE & PG COLLEGE FOR WOMEN** under my guidance.

N.SAILAJA M.Sc
HOD of Mathematics

Head of the Department of Mathematics
Chaitanya Degree & P.G. College for Women
Chaitanyanagar, Old Gajuwaka, Visakhapatnam-26



Project guide
K.GOUTAMI M.Sc, B.Ed
Lecturer in Mathemathematics



**DEPARTMENT OF MATHEMATICS
CHAITANYA DEGREE AND PG COLLEGE FOR WOMEN
(Affiliated to Andhra University, Visakhapatnam)
Gajuwaka-530026, Visakhapatnam**

HOD OF MATHEMATICS

N.SAILAJA M.Sc

PH.NO:8912757592



project guide

K.GOUTAMI MS.c,B.Ed

LECTURER OF MATHEMATICS

E-mail:chaitanyamathematicshod@gmail.com

CERTIFICATE

This is to certify that the Project report on “Applications of mathematics in real life” is a bonafide work done by **K.TRIVENI**, student of M.Sc final year with Regd. No: 721228526007 P.G. department of **MATHEMATICS, CHAITHANYA DEGREE & PG COLLEGE FOR WOMEN** under my guidance.

N.SAILAJA M.Sc
HOD of Mathematics



Project guide
K.GOUTAMI M.Sc, B.Ed
Lecturer in Mathematics

Head of the Department of Mathematics
Chaitanya Degree & P.G. College for Women
Chaitanya Nagar, Old Gajuwaka, Visakhapatnam



DEPARTMENT OF MATHEMATICS
CHAITANYA DEGREE AND PG COLLEGE FOR WOMEN
(Affiliated to Andhra University, Visakhapatnam)
Gajuwaka-530026, Visakhapatnam

HOD OF MATHEMATICS

N.SAILAJA M.Sc

PH.NO:8912757592



project guide

K.GOUTAMI MS.c,B.Ed

LECTURER OF MATHEMATICS

E-mail:chaitanyamathematicshod@gmail.com

CERTIFICATE

This is to certify that the Project report on "Applications of mathematics in real life" is a bonafide work done by K.HARIKA, student of M.Sc final year with Regd. No: 721228526009 P.G. department of MATHEMATICS, CHAITHANYA DEGREE & PG COLLEGE FOR WOMEN under my guidance.

N.SAILAJA M.Sc
HOD of Mathematics



Project guide
K.GOUTAMI M.Sc, B.Ed
Lecturer in Mathemathematics

Head of the Department of Mathematics
Chaitanya Degree & P.G. College for Women
Chaitanya nagar, Old Gajuwaka, Visakhapatnam-26.



CHAITANYA DEGREE & PG COLLEGE FOR WOMEN

Affiliated to Andhra University, Chaitanya nagar, Old Gajuwaka, Visakhapatnam-530026.

DEPARTMENT OF MATHEMATICS
CHAITANYA DEGREE AND PG COLLEGE FOR WOMEN
(Affiliated to Andhra University, Visakhapatnam)
Gajuwaka-530026, Visakhapatnam



E-mail:chaitanyamathematicshod@gmail.com

CERTIFICATE

This is to certify that the Project report on “FINITE AND INFINITE CONTINUED FRACTION” is a bonafide work done by **M. SWATHI**, student of **M.Sc** final year with Regd. No: 721228526010 P.G. department of **MATHEMATICS, CHAITHANYA DEGREE & PG COLLEGE FOR WOMEN** under my guidance.

N.SAILAJA M.Sc

HOD of Mathematics



Project guide

N. SAILAJA M.Sc

Lecturer in Mathematics

Head of the Department of Mathematics
Chaitanya Degree & P.G. College for Women
Chaitanyanagar, Old Gajuwaka, Visakhapatnam-26



CHAITANYA DEGREE & PG COLLEGE FOR WOMEN

Affiliated to Andhra University, Chaitanya nagar, Old Gajuwaka, Visakhapatnam-530026.

DEPARTMENT OF MATHEMATICS
CHAITANYA DEGREE AND PG COLLEGE FOR WOMEN
(Affiliated to Andhra University, Visakhapatnam)
Gajuwaka-530026, Visakhapatnam



E-mail:chaitanyamathematicshod@gmail.com

CERTIFICATE

This is to certify that the Project report on "FINITE AND INFINITE CONTINUED FRACTION" is a bonafide work done by P. NANDINI, student of M.Sc final year with Regd. No: 721228526011 P.G. department of MATHEMATICS, CHAITHANYA DEGREE & PG COLLEGE FOR WOMEN under my guidance.

N.SAILAJA M.Sc

HOD of Mathematics

Head of the Department of Mathematics
Chaitanya Degree & P.G. College for Women
Chaitanyanagar, Old Gajuwaka, Visakhapatnam-26



Project guide

N. SAILAJA M.Sc

Lecturer in Mathematics



Estd. 1996

CHAITANYA DEGREE & PG COLLEGE FOR WOMEN

Affiliated to Andhra University, Chaitanya nagar, Old Gajuwaka, Visakhapatnam-530026.

DEPARTMENT OF MATHEMATICS
CHAITANYA DEGREE AND PG COLLEGE FOR WOMEN
(Affiliated to Andhra University, Visakhapatnam)
Gajuwaka-530026, Visakhapatnam



E-mail:chaitanyamathematicshod@gmail.com

CERTIFICATE

This is to certify that the Project report on "STUDY OF EQUIVALENT FORMS IN BINARY QUADRATIC FORMS" is a bonafide work done by S. BHARGAVI, student of M.Sc final year with Regd. No: 721228526012 P.G. department of MATHEMATICS, CHAITHANYA DEGREE & PG COLLEGE FOR WOMEN under my guidance.

N.SAILAJA M.Sc

HOD of Mathematics



Project guide

SANTHOSINI DEVI M.Sc

Lecturer in Mathematics

Head of the Department of Mathematics
Chaitanya Degree & P.G. College for Women
Chaitanyanagar, Old Gajuwaka, Visakhapatnam-530026



CHAITANYA DEGREE & PG COLLEGE FOR WOMEN

Affiliated to Andhra University, Chaitanya nagar, Old Gajuwaka, Visakhapatnam-530026.

DEPARTMENT OF MATHEMATICS
CHAITANYA DEGREE AND PG COLLEGE FOR WOMEN
(Affiliated to Andhra University, Visakhapatnam)
Gajuwaka-530026, Visakhapatnam



E-mail:chaitanyamathematicshod@gmail.com

CERTIFICATE

This is to certify that the Project report on “STUDY OF EQUIVALENT FORMS IN BINARY QUADRATIC FORMS” is a bonafide work done by M. SRIDEVI, student of M.Sc final year with Regd. No: 721228526013 P.G. department of MATHEMATICS, CHAITHANYA DEGREE & PG COLLEGE FOR WOMEN under my guidance.

N.SAILAJA M.Sc

HOD of Mathematics

Head of the Department of Mathematics
Chaitanya Degree & P.G. College for Women
Chaitanyanagar, Old Gajuwaka, Visakhapatnam-26



Santosini devi
Project guide

SANTHOSINI DEVI M.Sc

Lecturer in Mathematics



CHAITANYA DEGREE & PG COLLEGE FOR WOMEN

Affiliated to Andhra University, Chaitanya nagar, Old Gajuwaka, Visakhapatnam-530026.

DEPARTMENT OF MATHEMATICS
CHAITANYA DEGREE AND PG COLLEGE FOR WOMEN
(Affiliated to Andhra University, Visakhapatnam)
Gajuwaka-530026, Visakhapatnam



E-mail:chaitanyamathematicshod@gmail.com

CERTIFICATE

This is to certify that the Project report on “STUDY OF EQUIVALENT FORMS IN BINARY QUADRATIC FORMS” is a bonafide work done by T. SHALINI, student of M.Sc final year with Regd. No: 721228526014 P.G. department of MATHEMATICS, CHAITHANYA DEGREE & PG COLLEGE FOR WOMEN under my guidance.

Sailaja

N.SAILAJA M.Sc
HOD of Mathematics



Santhosini devi
Project guide

SANTHOSINI DEVI M.Sc
Lecturer in Mathematics

Head of the Department of Mathematics
Chaitanya Degree & P.G. College for Women
Chaitanyanagar, Old Gajuwaka, Visakhapatnam-26



CHAITANYA DEGREE & PG COLLEGE FOR WOMEN

Affiliated to Andhra University, Chaitanya nagar, Old Gajuwaka, Visakhapatnam-530026.

DEPARTMENT OF MATHEMATICS
CHAITANYA DEGREE AND PG COLLEGE FOR WOMEN
(Affiliated to Andhra University, Visakhapatnam)
Gajuwaka-530026, Visakhapatnam



E-mail:chaitanyamathematicshod@gmail.com

CERTIFICATE

This is to certify that the Project report on "STUDY OF EQUIVALENT FORMS IN BINARY QUADRATIC FORMS" is a bonafide work done by Y. ANUSHA, student of M.Sc final year with Regd. No: 721228526015 P.G. department of MATHEMATICS, CHAITHANYA DEGREE & PG COLLEGE FOR WOMEN under my guidance.

N.SAILAJA M.Sc

HOD of Mathematics

Head of the Department of Mathematics
Chaitanya Degree & P.G. College for Women
Chaitanyanagar, Old Gajuwaka, Visakhapatnam-26



Santosini devi'
Project guide

SANTHOSINI DEVI M.Sc

Lecturer in Mathematics