

**Study on Application of Arbuscular Mycorrhizal Fungal
Inoculant (SOILTAB) in *Phaseolus vulgaris***

For the partial fulfillment of the award of degree



**BACHELOR OF SCIENCE
IN
RURAL TECHNOLOGY
2024-2025**

**Supervisor
Dr. Sakshi Gautam
Assistant Professor (Ad-Hoc)**

**Submitted by
Tejaspini Biswal
B.Sc. (RT) 6th Sem.**

**DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the central university, Act 2009 No. 25 of 2009)**

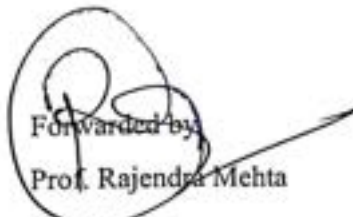
CERTIFICATE OF THE SUPERVISOR

This is to certify that the work incorporated in the dissertation entitled "STUDY ON APPLICATION OF ARBUSCULAR MYCORRHIZAL FUNGAL INOCULANT (SOILTAB) IN PHASEOLUS VULGARIS" is a record of work carried out by Tejaspini Biswal (Roll no.- 22048138) student of Bachelor of Science (Rural Technology) VIth semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India, under the guidance of Dr. Sakshi Gautam, Assistant Professor (Ad-Hoc) Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Rural Technology).



Supervisor

Dr. Sakshi Gautam
Assistant Professor Ad Hoc



Forwarded by
Prof. Rajendra Mehta
Head

Department of Rural Technology and Social Development
Guru Ghasidas Vishwavidyalaya,
Bilaspur, Chhattisgarh

HEAD
Department of Rural Technology
& Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.) 495009

STUDY ON BEHAVIOUR OF POLLINATORS AND VISITORS OF SOME IMPORTANT PLANTS



For the partial fulfillment of the award of degree

BACHELOR OF SCIENCE

IN

RURAL TECHNOLOGY

SESSION

2024-25

Supervisor
Dr. Bhaskar Chaurasia
Assistant Professor

Submitted by
Garwesh Kumar Gaurav
B.Sc. (RT) 6th Sem.

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the central university, Act 2009 No. 25 of 2009)

CERTIFICATE OF THE SUPERVISOR

This is to certify that the work incorporated in the dissertation entitled "Study on Behaviour of Pollinators and Visitors of Some Important Plants" is a record of work carried out by Garwesh Kumar Gaurav (Roll no.- 22048110) student of Bachelor of Science (Rural Technology) VIth semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India, under the guidance of Dr. Bhaskar Chaurasia, Assistant Professor, Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Rural Technology).



Supervisor
Dr. Bhaskar Chaurasia
Assistant Professor



Forwarded by
Prof. Rajendra Mehta
Head
Department of Rural Technology and Social Development
Guru Ghasidas Vishwavidyalaya,
Bilaspur, Chhattisgarh

HEAD
Department of Rural Technology
& Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.) 495009

Study on Microgreens Productions

A dissertation work submitted



For the partial fulfillment of the award of degree

**BACHELOR OF SCIENCE
IN
RURAL TECHNOLOGY**

SESSION 2024-25

(Assistant Professor)

**Submitted by
Apurva Mahobiya
B.Sc. (RT) 6th Sem.**

**DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT,
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the central university, Act 2009 No. 25 of 2009)**


CERTIFICATE OF THE SUPERVISOR

CERTIFICATE

This is to certify that Apurva Mahobiya, student of Bachelor of Science (Rural Technology) VIth semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India, has completed his dissertation work entitled "Study on Microgreens Productions" under the guidance of Dr. Bhaskar Chaurasia, Assistant Professor, Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Rural Technology).



Dr. Bhaskar Chaurasia



Forwarded by
Prof. Rajendra Mehta
Head
HEAD
Department of Rural Technology and Social
Development, Guru Ghasidas Vishwavidyalaya,
Bilaspur (C.G.) 499009

**A MINI REVIEW ON TREE SPECIES USED AS A
SOURCE OF RAW MATERIAL FOR DYE INDUSTRIES
IN CHHATTISGARH**

A dissertation work submitted



For the partial fulfillment of the award of degree

BACHELOR OF SCIENCE

IN

RURAL TECHNOLOGY

SESSION 2024-25

Supervisor
Dr. Bhaskar Chaurasia
(Assistant Professor)

Submitted by
Harsh Dubey
B.Sc. (RT) 6th Sem.

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT,
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the central university, Act 2009 No. 25 of 2009)

CERTIFICATE OF THE SUPERVISOR

CERTIFICATE

This is to certify that Harsh Dubey, student of Bachelor of Science (Rural Technology) VIth semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India, has completed his dissertation work entitled "A Mini Review on Tree Species Used as A Source of Raw Material For Dye Industries in Chhattisgarh" under the guidance of Dr. Bhaskar Chaurasia, Assistant Professor, Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Rural Technology).



Dr. Bhaskar Chaurasia



Forwarded by
HEAD
Department of Rural Technology
& Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.) 495009
Department of Rural Technology and Social Development
Guru Ghasidas Vishwavidyalaya,
Bilaspur, Chhattisgarh

**STUDY ON APPLICATION OF ARBUSCULAR MYCORRHIZAL
SOILTAB ON THE GROWTH OF *ABELMOSCHUS ESCULENTUS***



For the partial fulfillment of the award of degree

**BACHELOR OF SCIENCE
IN
RURAL TECHNOLOGY
2024-2025**

**Supervisor
Dr. Bhaskar Chaurasia
Assistant Professor**

**Submitted by
Harish Singh
B.Sc. (RT) 6th Sem.**

**DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the central university, Act 2009 No. 25 of 2009)**

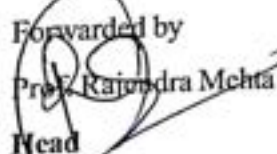
CERTIFICATE OF THE SUPERVISOR

This is to certify that the work incorporated in the dissertation entitled "**Study on Application of Arbuscular mycorrhizal SOILTAB on the growth of *Abelmoschus esculentus***" is a record of work carried out by **Harish Singh (Roll no.- 22048111)** student of Bachelor of Science (Rural Technology) VIth semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India, under the guidance of **Dr. Bhaskar Chaurasia, Assistant Professor** Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Rural Technology).



Supervisor

Dr. Bhaskar Chaurasia
Assistant Professor



Forwarded by
Prakash Rajendra Mehta
Head

Department of Rural Technology and Social Development
Guru Ghasidas Vishwavidyalaya,
Bilaspur, Chhattisgarh

HEAD
Department of Rural Technology
& Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.) 495009

"Survey Report on Solid Waste Sites in Wards 67, 68, and 69 of Bilaspur City"

A dissertation work submitted



For the partial fulfilment of the award of degree

BACHELOR OF SCIENCE

IN

RURAL TECHNOLOGY

SESSION 2024-25

Supervisor
Dr. Prasoon Soni
(Assistant Professor)

Submitted by
Shreyash Shukla
B.Sc. (RT) 6th Sem.

**DEPARTMENT OF RURAL TECHNOLOGY AND
SOCIAL DEVELOPMENT,**

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the central university, Act 2009 No. 25 of 2009)

CERTIFICATE OF THE SUPERVISOR

CERTIFICATE

This is to certify that **Shreyash Shukla**, student of Bachelor of Science (Rural Technology) VIth semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India, has completed his dissertation work entitled "**Survey Report on Solid Waste Sites in Wards 67, 68, and 69 of Bilaspur City**" under the guidance of **Dr. Prasoon Soni**, Assistant Professor, Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Rural Technology).



Supervisor

Dr. Prasoon Soni
Assistant Professor



Forwarded by
Prof. Rajendra Mehta

Dean, Head

Department of Rural Technology and Social Development

Guru Ghasidas Vishwavidyalaya,
& Social Development

Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.) 495009

**A
DISSERTATION
ON
A STUDY ON THE IMPACT OF WHITE REVOLUTION IN
THE CURRENT SCENARIO**

**DISSERTATION REPORT SUBMITTED FOR THE
PARTIAL FULFILLMENT OF REQUIRED FOR THE AWARD OF
DEGREE OF
BACHELOR OF SCIENCE IN RURAL TECHNOLOGY
(B.Sc. RT)**



**SUPERVISED BY:
DR. DEVENDRA SINGH PORTE
(ASSISTANT PROFESSOR)**

**SUBMITTED BY:
Mr. PRABHAT GUPTA
(GGV/22/10624)**

**DEPARTMENT OF RURAL TECHNOLOGY & SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR-495009, (C.G.)**

2025

DECLARATION BY CANDIDATE

This is to understand that I, **Prabhat Gupta** a student of B.Sc. Rural Technology, VI Semester (Enroll. No. - GGV/22/10624) and I declare that the dissertation entitled "A STUDY ON THE IMPACT OF WHITE REVOLUTION IN THE CURRENT SCENARIO " is my own work conducted under the supervision of **Dr. Devendra Singh Porte**, Assistant Professor, in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.). This report is an original work carried out by me and the report has not been submitted to any other University for the award of any degree or diploma.

I further declare that to the best of my knowledge this thesis does not contain any part of any work, which has been submitted for the award of any degree either in this University or any other University/ deemed University without proper citation.


(PRABHAT GUPTA)

Date: 13/05/25

(Name and Signature of the Student)

Place: Bilaspur

B.Sc. RT, VI Semester

STUDY ON DAIRY PRODUCTS



For the partial fulfillment of the award of degree

BACHELOR OF SCIENCE

IN

RURAL TECHNOLOGY

SESSION

2024-25

Supervisor
Dr. Devendra Singh Porte
Assistant Professor

Submitted by
Priya Kumari
B.Sc. (RT) 6th Sem.

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the central university, Act 2009 No. 25 of 2009)

CERTIFICATE OF THE SUPERVISOR

This is to certify that the work incorporated in the dissertation entitled "Study on Dairy products" is a record of work carried out by Priya Kumari (Roll no.- 22048126) student of Bachelor of Science (Rural Technology) VIth semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India, under the guidance of Dr. Devendra Singh porte Assistant Professor, Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Rural Technology).

Supervisor

Dr. Devendra Singh porte
Assistant Professor

Dept. of Rural Technology
and Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur - 495009 (C.G.)

Forwarded by

Prof. Rajendra Mehta

Head

Department of Rural Technology and Social Development Guru
Ghasidas Vishwavidyalaya,
Bilaspur, Chhattisgarh

**ANALYSIS OF SOME QUALITY PARAMETERS OF THE
RAW AND PASTEURIZED COW MILK AT DEVBHOG
MILK CHILLING CENTRE, BILASPUR, CHHATTISGARH**

A dissertation work submitted to



GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.) INDIA

For the partial fulfillment of the award of degree

BACHELAR OF SCIENCE

IN

RURAL TECNOLOGY

SESSION 2024-25

Supervised to

Dr. Alka Mishra

(Assistant Professor)

Submitted by

Janhavi Tripathi

B.Sc. (RT) VIth Sem

**DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL
DEVELOPMENT,**

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

(A Central University established by the Central University, Act 2009 No. 25 of 2009)

CERTIFICATE OF THE SUPERVISOR

This is to certify that the work incorporated in the project “Analysis of Some quality parameters of the raw and pasteurized cow milk at Devbhog Milk Chilling Centre, Bilaspur, Chhattisgarh” is a record of work carried out by Janhavi Tripathi (Roll No: 22048115) for the award of Degree Bachelor of Science under the guidance and supervision of Dr. Alka Mishra of Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.).

The best of my knowledge and belief the report:

- Embodies the work of the candidate themselves,
- Has duly been completed,
- Fulfill the requirement of the ordinance relating to the B.Sc. degree of the University and
- Is up to the desired standard both in respect of the contents and language for being referred to the examiner.

Supervisor

Dr. Alka Mishra

(Assistant Professor)


DR. ALKA MISHRA
Assistant Professor
Dept. of Rural Technology & Soc. Development
Guru Ghasidas Vishwavidyalaya,
Koni, Bilaspur-495009, (C.G.)

Head of The Department

Dr. Rajendra Mehta

(Professor)

Department of Rural Technology and Social Development

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

**“PURPOSE IDENTIFICATION IN RELATION
TO SCREEN TIME OF ONGOING STUDENTS OF
GURU GHASIDAS VISHWAVIDYALAYA”**

A dissertation work submitted to



GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.) INDIA

For the partial fulfillment of the award of degree

BACHELOR OF SCIENCE

IN

RURAL TECHNOLOGY

SESSION 2024-25

Supervised by:

Dr. Pushpraj Singh

(Professor)

Submitted by:

Akshat Rishu

B.Sc. (RT) 6th Sem.

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT,

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

(A Central University established by the central university, Act 2009 No. 25 of 2009)

CERTIFICATE OF APPROVAL

This is to certify that **Akshat Rishu** student of **Bachelor of Science (Rural Technology)** of **Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)** bearing Roll no. 22048102, Enrollment no. GGV/22/10602 has developed Dissertation work entitled “**Purpose Identification in Relation to Screen Time of Ongoing Students of Guru Ghasidas Vishwavidyalaya**” is hereby approved as a credible work for the award of the degree of **Bachelor of Rural Technology (Hons.)**.



Prof. Bajendra Mehta
Head of the Department
(Rural Technology)

**A MINI REVIEW ON TREE SPECIES USED AS A SOURCE OF
RAW MATERIAL FOR DYE INDUSTRIES IN CHHATTISGARH**

For the partial fulfillment of the award of degree



**BACHELOR OF SCIENCE
IN
RURAL TECHNOLOGY
2024-2025**

Supervisor

Dr. Sakshi Gautam

Assistant Professor (Ad-Hoc)

Submitted by

Yogesh Patnaik

B.Sc. (RT) 6th Sem.

**DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the central university, Act 2009 No. 25 of 2009)**

CERTIFICATE OF THE SUPERVISOR


This is to certify that the work incorporated in the dissertation entitled "A MINI REVIEW ON TREE SPECIES USED AS A SOURCE OF RAW MATERIAL FOR DYE INDUSTRIES IN CHHATTISGARH" is a record of work carried out by **Yogesh Patnaik (Roll no.- 22048142)** student of Bachelor of Science (Rural Technology) VIth semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India, under the guidance of **Dr. Sakshi Gautam, Assistant Professor (Ad-Hoc)** Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Rural Technology).


Supervisor

Dr. Sakshi Gautam

Assistant Professor Ad Hoc

Forwarded by


Prof. Rajendra Mehta

Head

Department of Rural Technology and Social Development

Guru Ghasidas Vishwavidyalaya,

Bilaspur, Chhattisgarh

HEAD

Department of Rural Technology
& Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.) 495009

**“EXPLORING THE NUTRITIONAL AND MEDICINAL VALUE OF MILLETS FOR
SUSTAINABLE HEALTH”**

**DISSERTATION REPORT SUBMITTED FOR THE
PARTIAL FULFILLMENT OF REQUIRED FOR THE AWARD OF
DEGREE OF
BACHELOR OF SCIENCE IN RURAL TECHNOLOGY
(B.Sc. (Hons.) RT VIth sem)
Session: 2022-25**



**SUPERVISED BY:
DR. LOKESH KUMAR TINDE
(ASSISTANT PROFESSOR)**

**SUBMITTED BY:
MR. RITIK SINGH
ROLL No.: 22048130
Enrolment No.: GGV/22/10630**

**DEPARTMENT OF RURAL TECHNOLOGY & SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR-495009, (C.G.)**

CERTIFICATE OF THE SUPERVISOR

This is to certify that Mr. **RITIK SINGH**, Student of Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G) has completed his dissertation work entitled “ EXPLORING THE NUTRITIONAL AND MEDICINAL VALUE OF MILLETS FOR SUSTAINABLE HEALTH” under the supervision and guidance of **Dr. LOKESH KUMAR TINDE (Assistant Professor)** and submitted to the department. The dissertation is the partial fulfilment of the requirement to receive the degree in **Bachelor of Science (Rural Technology)**.


13/05/2028
Supervisor

Dr. Lokesh Kumar Tinde
Assistant Professor
Dept. of Rural Technology
and Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur - 495009 (C.G.)


Head of Department
Dr. Rajendra Mehta
(Associate Professor)

Department of Rural Technology and Social Development
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G)

**A Case Study On A Poultry Farm With Special Reference To
Bird Flu At Bilasa Taal, Koni, Chhattisgarh**

A dissertation work submitted to



GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.) INDIA

For the partial fulfillment of the award of
degree BACHELAR OF SCIENCE

IN
RURAL TECNOLOGY
SESSION 2024-25

Supervisor:
Dr. Alka Mishra
(Assistant Professor)

Submitted by
Jhakesh Patel
B.Sc. (RT) VIth Sem

**DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL
DEVELOPMENT,**

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

(A Central University established by the Central University, Act 2009 No. 25 of 2009)

CERTIFICATE OF THE SUPERVISOR

This is to certify that the work incorporated in the project "A Case Study On A Poultry Farm With Special Reference To Bird Flu At Bilasa Taal, Koni, Chhattisgarh" is a record of work carried out by Jhakesh Patel (Roll No: 22048116) for the award of Degree Bachelor of Science under the guidance and supervision of Dr. Alka Mishra of Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.).

The best of my knowledge and belief the report:

- Embodies the work of the candidate themselves,
- Has duly been completed,
- Fulfill the requirement of the ordinance relating to the B.Sc. degree of the University and
- Is up to the desired standard both in respect of the contents and language for being referred to the examiner.

Supervisor


DR. ALKA MISHRA
Assistant Professor
Dept. of Rural Technology & Soc. Development
Guru Ghasidas Vishwavidyalaya,
Koni, Bilaspur-495009 (C.G.)

(Assistant Professor)

Head of The Department



Dr. Rajendra Mehta

(Professor)

Department of Rural Technology and Social Development Guru

Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

"Survey Report on Solid Waste Sites in Wards 64, 65, and 66 of Bilaspur City"

A dissertation work submitted



For the partial fulfilment of the award of degree

BACHELOR OF SCIENCE

IN

RURAL TECHNOLOGY

SESSION 2024-25

Supervisor
Dr. Prasoon Soni
(Assistant Professor)

Submitted by
Subrat Sharma
B.Sc. (RT) 6th Sem.

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT,
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the central university, Act 2009 No. 25 of 2009)

CERTIFICATE OF THE SUPERVISOR


CERTIFICATE

This is to certify that **Subrat Sharma**, student of **Bachelor of Science (Rural Technology)** VIth semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India, has completed his dissertation work entitled "**Survey Report on Solid Waste Sites in Wards 64, 65, and 66 of Bilaspur City**" under the guidance of **Dr. Prasoona Soni**, Assistant Professor, Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Rural Technology).



Supervisor

Dr. Prasoona Soni
Assistant Professor



Forwarded by
Prof. Rajendra Mehta
HEAD
Department of Rural Technology and Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur, Chhattisgarh

Traffic Control in Bilaspur District of Chhattisgarh

A dissertation work submitted to



GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.) INDIA

For the partial fulfillment of the award of degree

BACHELOR OF SCIENCE

IN

RURAL TECHNOLOGY

SESSION 2024-25

Supervised to

Dr. Alka Mishra

(Assistant Professor)

Submitted by

Md Imad_Sani

B. Sc 6th Sem.

**DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL
DEVELOPMENT,**

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

(A Central University established by the central university, Act 2009 No. 25 of 2009)

CERTIFICATE OF THE SUPERVISOR

This is certify that the work incorporated in the dissertation "Traffic Controls" is a record of work carried out by Md Imad_Sani (Roll no.- 22048114). Under your guidance and supervision for the award of Degree Bachelor of Science in the supervisor of Dr. Alka Mishra of Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.).

The best of my knowledge and belief the report:

- Embodies the work of the candidate themselves,
- Has duly been completed,
- Fulfil the requirement of the ordinance relating to the B.Sc. degree of the university and
- Is up to the desired standard both in respect of contents and language for being referred to the examiners.

Supervisor


Dr. Alka Mishra

(Assistant Professor)


DR. ALKA MISHRA
Assistant Professor
Dept. of Rural Technology & Soc. Development
Guru Ghasidas Vishwavidyalaya,
Koni, Bilaspur-495009 (C.G.)

Head of Department

HEAD


Dr. Rajendra Mehta
Department of
& Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.)-495009
(Professor)

Dean of School of Interdisciplinary Education and Research

Dr. Rajendra Mehta

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)



A
DISSERTATION
ON
"ASSESSING DIGITAL LITERACY AMONG PVTGS RESIDING IN
KABIRDHAM (KAWARDHA) DISTRICT OF CHHATTISGARH: A
STUDY ON CHILDREN AGED 12 TO 21 YEARS FROM THE
BAIGA TRIBE"

DISSERTATION REPORT SUBMITTED FOR THE
PARTIAL FULFILLMENT OF REQUIRED FOR THE AWARD OF
DEGREE OF
MASTER OF SCIENCE IN RURAL TECHNOLOGY
(M.Sc. RT)



SUPERVISED BY:
DR. DEVENDRA SINGH PORTE
(ASSISTANT PROFESSOR)

SUBMITTED BY:
MR. ABHISHEK KANWAR
(M.Sc. RURAL TECHNOLOGY 4TH SEM.)

DEPARTMENT OF RURAL TECHNOLOGY & SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR-495009, (C.G.)

2025

DECLARATION BY THE CANDIDATE

I, Abhishek Kanwar a student of M.Sc. Rural Technology, IV Semester declare that the dissertation entitled "Assessing Digital Literacy Among PVTGs Residing in Kabirdham District of Chhattisgarh: A Study on Children Aged 12 to 21 Years from the Baiga Tribe" is my own work conducted under the Supervision of Dr. Devendra Singh Porte, Assistant Professor Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh. This report is an original work carried out by me and the report has not been submitted to any other University for the award of any degree or diploma.

I further declare that to the best of my knowledge the thesis does not contain any part of any work, which has been submitted for the award of any degree either in this University or in any other University/ Deemed University without proper citation.

Date: 15/05/2025

Place: Bilaspur



Signature of the Supervisor
Dr. Devendra Singh Porte
Assistant Professor
Deptt. of Rural Technology
and Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur - 495009 (C.G.)



Signature of the Student

MILK COLLECTION, TESTING, PROCESSING & PACKAGING

A Case Study on "DEVBHOG" Chhattisgarh Sahakari Dugdh Utpadak Sangh Ltd
Dairy plant , Bilaspur



A DISSERTATION SUBMITTED
FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE
IN
RURAL TECHNOLOGY

SUBMITTED BY :

JHAMITA

B.Sc. VI Semester

Roll no. : 22048117

Enrolment no: GGV/22/10617

SUPERVISOR :

Dr. ALKA MISHRA

(Assistant professor)

Department of Rural Technology and social .
Development

2024 - 2025

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL
DEVELOPMENT

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR-495001 (C.G.)

CERTIFICATE

This is to certify that Miss Jhamita Student of Bachelor of Science VIth semester (2024 - 2025) in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh India, has completed his dissertation work entitled " Milk Collection, Processing and Packaging : A Case Study on " DEVBHOG" Chhattisgarh Sahakari Dugdh Utpadak Sangh Ltd Dairy plant , Bilaspur " under the guidance of Dr. Alka Mishra, Assistant Professor, Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Rural Technology).

Forwarded by :

Prof. Rajendra Mehta
HOD

Department of Rural Technology and Social Development
Guru Ghasidas Vishwavidyalaya,
Bilaspur, Chhattisgarh.

Supervisor :

Dr. Alka Mishra
Assistant Professor
Dept. of Rural Tech
Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur-495006 (India)

“Neem Agarbatti Production Tehniques ”



**A Dissertation Work Submitted for the Partial Fulfillment
of The Award of Degree**

Bachelor of Science

In

Rural Technology and Social Development

Session : 2024-2025

Supervisor:

Dr. Dilip Kumar

(Assistant Professor)

Department of Rural Technology and Social Development

Submitted by:

Karishma Painkra

B.sc 6th semester

Roll No: 22048118

Enrollment: GGV/22/10618

**Department of Rural Technology and Social Development
Guru Ghasidas Vishwavidyalaya, Bilaspur -495001(C.G)**

CERTIFICATE

This is to certify that **Miss. Karishma Painkra** student of Bachelor of Science (Rural Technology and Social Development) 6th semester in the Development of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) as completed her dissertation work entitled "**Neem Agarbatti Production Technique**" under the guidance of **Dr. Dilip Kumar** (Assistant Professor), it has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of science (Department of Rural Technology And Social Development).


Dr. Dilip Kumar

(Assistant professor)

Department of Rural Technology and Social Development,
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

Dr. Dilip Kumar
Assistant Professor
Dept. of Rural Technology
and Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur-495009 (C.G.)

Forwarded by HOD


Prof. Rajendra Mehta

HEAD

Department of Rural Technology and Social Development
(Department of Rural Technology and Social Development)
Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh
Bilaspur-495009

**“Production Technique of Mosquito Repellent Stick”
(Tulsi/Agarbatti)**



**A Dissertation Work Submitted for the Partial Fulfillment
of The Award of Degree**

Bachelor of Science

In

Rural Technology and Social Development

Session:2024-2025

Supervisor:

**Dr. Dilip Kumar
(Assistant Professor)**

Department of Rural Technology and Social Development

Submitted by:


**Mahak Yadav
B.Sc. 6th semester
Roll No.:22048121
Enrollment: GGV/22/10621**

Department of Rural Technology and Social Development

Guru Ghasidas Vishwavidyalaya, Bilaspur-495001(C.G.)

CERTIFICATE

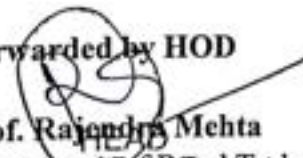
This is to certify that Mr./Miss. Mahak Yadav Student of Bachelor of Science (Rural Technology) VIth semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh India, has completed his dissertation work entitled "Production Technique of Mosquito Repellent Stick" (Tulsi Agarbatti) under the guidance of Dr. Dilip Kumar, Assistant Professor, Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Rural Technology).


Supervisor

15/05/2025
Dr. Dilip Kumar
Assistant Professor

Dr. Dilip Kumar
Assistant Professor
Dept. of Rural Technology
and Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur-495009 (C.G.)

Forwarded by HOD


Prof. Rajendra Mehta

Department of Rural Technology and Social Development
& Social Development
Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh
Bilaspur (C.G.) 495009

AGARBATTI PRODUCTION TECHNIQUES



A Dissertation Work Submitted for the Partial Fulfillment
of The Award of Degree

Bachelor of Science

In

Rural Technology and Social Development

Supervisor:

Dr. Dilip Kumar
(Assistant Professor)

Department of Rural Technology and Social Development

Submitted by:

Khyati singh
B.Sc. 6th semester
Roll.No-22048120
Enrolment No. - GGV/22/10620

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the central university, Act 2009 No.25 of 2009)

CERTIFICATE

This is to certify that **Miss. Khyati Singh** student of Bachelor of Science (Rural Technology And Social Development) 6th semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) has completed her dissertation work entitled "AGARBATTI PRODUCTION TECHNIQUES" under the guidance of **Dr.Dilip Kumar** (Assistant Professor). It has submitted to the Department . The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Department of Rural Technology and Social Development).


Dr. Dilip Kumar

(Assistant professor)

Department of Rural Technology & Social Development
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

Forwarded by HOD


Prof. Rajendra Mehta

Department of Rural Technology and Social Development
Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh

**Study on Application of Arbuscular Mycorrhizal SOILTAB on
the growth of *Zea mays***

For the partial fulfillment of the award of degree



**BACHELOR OF SCIENCE
IN
RURAL TECHNOLOGY
2024-2025**

**Supervisor
Dr. Sakshi Gautam
Assistant Professor (Ad-Hoc)**

**Submitted by
Yashwant Singh
B.Sc. (RT) 6th Sem.**

**DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the central university, Act 2009 No. 25 of 2009)**

CERTIFICATE OF THE SUPERVISOR

This is to certify that the work incorporated in the dissertation entitled "Study on Application of Arbuscular Mycorrhizal SOILTAB on the growth of *Zea mays*" is a record of work carried out by Yashwant Singh (Roll no.- 22048141) student of Bachelor of Science (Rural Technology) VIth semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India, under the guidance of Dr. Sakshi Gautam, Assistant Professor (Ad-Hoc) Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Rural Technology).


Supervisor

Dr. Sakshi Gautam
Assistant Professor Ad Hoc

Forwarded by


Prof. Rajendra Mehta

Head

Department of Rural Technology and Social Development

Guru Ghasidas Vishwavidyalaya,

Bilaspur, Chhattisgarh

HEAD

Department of Rural Technology
& Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.) 495009

HERBAL GULAL: A SAFE HOLI



A Dissertation Work Submitted For the Partial Fulfillment
Of The Award of Degree

Bachelor of Science

In

Rural Technology And Social Development

Supervisor

Dr. Dilip Kumar
(Assistant Professor)

Department of Rural Technology and Social Development

Submitted by

Morajadhvaj meshram

B.Sc. 6th semester

Roll.No-22048122

Enrollment No. - GGV/22/10622

Department of Rural Technology and Social Development

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the central university, Act 2009 No.25 of 2009)

CERTIFICATE

This is to certify that **Mr. Morajdhvaj Meshram** student of Bachelor of Science (Rural Technology And Social Development) 6th semester in the Development of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) as completed her dissertation work entitled "" **HERBAL GULAL: A SAFE HOLI** under the guidance of me, it has submitted to the Department . The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Department of Rural Technology And Social Development).

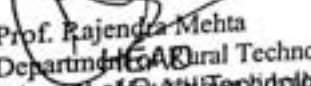

Dr. Dilip Kumar

(Assistant Professor)

Department of Rural Technology and Social Development,
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

5/10/2025
Dr. Dilip Kumar
Assistant Professor
Dept. of Rural Technology
and Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur-495009 (C.G.)

Forwarded by HOD


Prof. Rajendra Mehta
Department of Rural Technology and Social Development
Department of Rural Technology and Social Development,
& Social Development, Bilaspur, Chhattisgarh
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.) 495009

HERBAL GULAL: A SAFE HOLI



A Dissertation Work Submitted For the Partial Fulfillment
Of The Award of Degree

Bachelor of Science

In

Rural Technology And Social Development

Supervisor

Dr. Dilip Kumar
(Assistant Professor)

Department of Rural Technology and Social Development

Submitted by

Kedar Patel
B.Sc. 6th semester
Roll.No-22048119

Enrollment No. - GGV/22/10619

Department of Rural Technology and Social Development

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the central university, Act 2009 No.25 of 2009)

CERTIFICATE


This is to certify that **Mr. Kedar Patel** student of Bachelor of Science (Rural Technology And Social Development) 6th semester in the Development of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) as completed her dissertation work entitled "" **HERBAL GULAL: A SAFE HOLI** under the guidance of me, it has submitted to the Department . The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Department of Rural Technology And Social Development).


Dr. Dilip Kumar

(Assistant Professor)

Department of Rural Technology and Social Development,
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

15/10/2025
Dr. Dilip Kumar
Assistant Professor
Dept. of Rural Technology
and Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur-495009 (C.G.)


Forwarded by HOD

Prof. Rajendra Mehta
Department of Rural Technology and Social Development
Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh

HEAD

Department of Rural Technology
& Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.) 495009

**Study of AM colonization in *Terminalia arjuna* and
*Terminalia tomentosa***

For the partial fulfillment of the award of degree



**BACHELOR OF SCIENCE
IN
RURAL TECHNOLOGY
2024-2025**

**Supervisor
Dr. Sakshi Gautam
Assistant Professor (Ad-Hoc)**

**Submitted by
Ankita Sahu
B.Sc. (RT) 6th Sem.**

**DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the central university, Act 2009 No. 25 of 2009)**

CERTIFICATE OF THE SUPERVISOR

This is to certify that the work incorporated in the dissertation entitled "Study of AM colonization in Terminalia arjuna and Terminalia tomentosa" is a record of work carried out by Ankita Sahu (Roll no.- 22048103) student of Bachelor of Science (Rural Technology) VIth semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India, under the guidance of Dr. Sakshi Gautam, Assistant Professor (Ad-Hoc) Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Rural Technology).


Supervisor

Dr. Sakshi Gautam
Assistant Professor (Ad-Hoc)


Forwarded by
Prof. Rajendra Mehta
Head HEAD

Department of Rural Technology and Social Development
& Social Development
Guru Ghasidas Vishwavidyalaya,
Bilaspur (C.G.) 495009
Bilaspur, Chhattisgarh

**A STUDY ON POLYHOUSE FARMING PRACTICES AT
HIGH-TECH NURSERY AT AGRICULTURE AND
RESEARCH STATION IN KONI-BILASPUR**



Dissertation submitted in
Partial fulfilment for the Degree of

BACHELOR OF SCIENCE
in
RURAL TECHNOLOGY

By

AVINASH KASHYAP

B. Sc. (R.T.) VIth Semester

Roll. No. 22048105

Enrolment No. GGV/22/10605

Under the Supervision of

Dr. Satendra Kumar Nirala

Assistant Professor

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL
DEVELOPMENT GURU GHASHIDAS VISHWAVIDYALAYA

KONI- BILASPUR 495009 (C.G.)

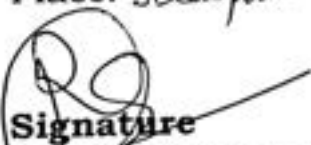
Session 2024-25

CERTIFICATE OF THE SUPERVISOR

This is to certify that the work contained in the dissertation entitled "A STUDY ON POLYHOUSE FARMING PRACTICES AT HIGH-TECH NURSERY AT AGRICULTURE AND RESEARCH STATION IN KONI-BILASPUR" submitted to the Department of Rural Technology and Social Development of Guru Ghasidas Vishwavidyalaya, Koni-Bilaspur (C.G.) by **Mr. AVINASH KASHYAP** (Roll No. **22048105**) for the award of the degree of B. Sc. (Rural Technology), is a record of bonafide research work carried out by him under my supervision. The contents embodied in the dissertation have not been submitted for the award of any other degree or diploma in any other university.

Date: 13-05-2025

Place: Bilaspur



Signature
Head of the Department

Department of Rural Technology
& Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.) 495009



Signature of Supervisor
Dr. Satendra Kumar Nirala
(Assistant Professor)

Dr. Satendra Kumar Nirala
Assistant Professor
Deptt. of Rural Technology
and Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur 495009 (C.G.)

**A study on local tourism potential in
Akaltara of district Janjgir Champa in
Chhattisgarh state**



**Dissertation submitted in
Partial fulfilment for the Degree of**

**BACHELOR OF SCIENCE
in
RURAL TECHNOLOGY**

By

Devpriya Sahu

B. Sc. (R.T.) VIth Semester

Roll. No. 22048107

Enrolment No. GGV/22/10607

Under the Supervision of

Dr. Satendra Kumar Nirala

Assistant Professor

**DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL
DEVELOPMENT GURU GHASHIDAS VISHWAVIDYALAYA
KONI- BILASPUR 495009 (C.G.)**

Session 2024-25

CERTIFICATE OF THE SUPERVISOR

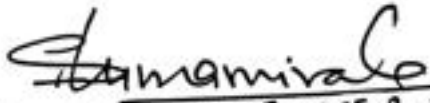
This is to certify that the work contained in the dissertation entitled "A study on local tourism potential in Akaltara of district Janjgir Champa in Chhattisgarh state" submitted to the Department of Rural Technology and Social Development of Guru Ghasidas Vishwavidyalaya, Koni- Bilaspur (C.G.) by **Ms. Devpriya Sahu** (Roll No. **22048107**) for the award of the degree of B. Sc. (Rural Technology), is a record of bonafide research work carried out by her under my supervision. The contents embodied in the dissertation have not been submitted for the award of any other degree or diploma in any other university.

Date: 13/05/2025

Place: GGv. Bilaspur.


Signature
Head of the Department
HEAD

Department of Rural Technology
& Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.) 495009


Signature of Supervisor
13-05-2025
Dr. Satendra Kumar Nirala
(Assistant Professor)

Dr. Satendra Kumar Nirala
Assistant Professor
Deptt. of Rural Technology & Soc. Development
Guru Ghasidas University
Koni-Bilaspur 495009 (C.G.)

**A
DISSERTATION
ON
"ADVANCEMENT ON PRESERVATION OF CATTLE SEMEN
TECHNIQUES, CHALLENGES AND FUTURE PROSPECTS"
BILASPUR, CHHATTISGARH"**

**DISSERTATION REPORT SUBMITTED FOR THE
PARTIAL FULFILLMENT OF REQUIREMENT FOR THE AWARD OF
DEGREE OF
BACHELORS OF SCIENCE IN RURAL TECHNOLOGY
(B.Sc. RT)**



**SUPERVISED BY:
DR. Devendra Singh Porte
(ASSISTANT PROFESSOR)**

**SUBMITTED BY:
Mr. Prakhar Pandey
(GGV/22/10625)**

**DEPARTMENT OF RURAL TECHNOLOGY & SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR-495009, (C.G.)
2025**


DECLARATION BY CANDIDATE

This is to understand that I, PRAKHAR PANDEY a student of B.Sc. Rural Technology, IV Semester (Enroll. No. - GGV/22/10625) and I declare that the dissertation entitled "ADVANCEMENT ON PRESERVATION OF CATTLE SEMEN TECHNIQUES, CHALLENGES AND FUTURE PROSPECTS" is my own work conducted under the supervision of **Dr. Devendra Singh Porte**, Assistant Professor, in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.). This report is an original work carried out by me and the report has not been submitted to any other University for the award of any degree or diploma.

I further declare that to the best of my knowledge this thesis does not contain any part of any work, which has been submitted for the award of any degree either in this University or any other University/ deemed University without proper citation.

Date: 09/05/2026.

Place- Bilaspur(C.G.)


(PRAKHAR PANDEY)

B.Sc. RT, VI Semester
GGV/22/10625

**Assessment of RO water and tap water of
residential area of Koni in district Bilaspur
(C.G.) with special reference to TDS, EC and pH**



Dissertation submitted in
Partial fulfilment for the Degree of

BACHELOR OF SCIENCE
in
RURAL TECHNOLOGY

By

Digeshwar Jaiswal

B. Sc. (R.T.) VIth Semester

Roll. No. 22048108

Enrolment No. GGV/22/10608

Under the Supervision of
Dr. Satendra Kumar Nirala
Assistant Professor

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL
DEVELOPMENT GURU GHASHIDAS VISHWAVIDYALAYA
KONI- BILASPUR 495009 (C.G.)
Session 2024-25


CERTIFICATE OF THE SUPERVISOR

This is to certify that the work contained in the dissertation entitled **"Assessment of RO water and tap water of residential area of Koni in district Bilaspur (C.G.) with special reference to TDS, EC and pH"** submitted to the Department of Rural Technology and Social Development of Guru Ghasidas Vishwavidyalaya, Koni-Bilaspur (C.G.) by **Mr. Digeshwar Jaiswal** (Roll No. **22048108**) for the award of the degree of B. Sc. (Rural Technology), is a record of bonafide research work carried out by him under my supervision. The contents embodied in the dissertation have not been submitted for the award of any other degree or diploma in any other university.

Date: 13-05-25

Place: GGU, Bilaspur


Signature
HEAD
of the Department
Department of Rural Technology
& Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.) 495009


Signature of Supervisor
Dr. Satendra Kumar Nirala
(Assistant Professor)
Dr. Satendra Kumar Nirala
Assistant Professor
Deptt. of Rural Technology
and Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur 495009 (C.G.)

**“Study on Occurrence of Arbuscular Mycorrhizal Fungi in
Termite Mound Soil”**



DISSERTATION
SUBMITTED FOR PARTIAL FULFILLMENT
FOR THE AWARD OF DEGREE
BACHELOR OF SCIENCE
IN
RURAL TECHNOLOGY
2024-2025

Supervisor
Dr. Sakshi Gautam
Assistant Professor (Ad. Hoc)

Submitted by
Varsha Rani
B.Sc. (RT) 6th Sem

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT,
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the central university, Act 2009 No. 25 of 2009)

CERTIFICATE OF THE SUPERVISOR

CERTIFICATE

This is to certify that Varsha Rani, student of Bachelor of Science (Rural Technology) VIth semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India, has completed his dissertation work entitled "Study on Occurrence of Arbuscular Mycorrhizal Fungi in Termite Mound Soil" under the guidance of Dr. Sakshi Gautam, Assistant Professor Ad. Hoc, Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Rural Technology).


Supervisor

Dr. Sakshi Gautam

Forwarded by
Prof. Rajendra Mehta
Head
Department of Rural Technology and Social Development
Guru Ghasidas Vishwavidyalaya,
Bilaspur, Chhattisgarh

**Survey Report on Solid Waste Spots in Ward Number
(63, 66, 67) in Bilaspur City**

A dissertation work submitted to



GURU GHASIDAS VISHWAVIDYALAYA

For the partial fulfillment of the award of degree

**BACHELOR OF SCIENCE
IN**

RURAL TECHNOLOGY

SESSION 2024-25

Supervised By

Dr. Prasoon Soni

(Assistant Professor)

Dept. of RTSD

Submitted by

Duman Singh Yadav

B. Sc. VI Sem.

En. No. GGV/22/10609

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT

**GURU GHASIDAS VISHWAVIDYALAYA,
BILASPUR (C.G.)**

(A Central University established by the central university, Act 2009 No. 25 of 2009)

CERTIFICATE OF THE SUPERVISOR

This is to certify that the work incorporated in the dissertation "Survey Report on Solid Waste Spots in ward number (63, 66, 67) in Bilaspur City" is a record of work carried out by Duman Singh Yadav (Roll no.- 22048109). Under your guidance and supervision for the award of Degree Bachelor of Science in the supervisor of Dr. Prasoon Soni Sir of Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.).

The best of my knowledge and belief the report:

- Embodies the work of the candidate themselves,
- Has duly been completed,
- Fulfil the requirement of the ordinance relating to the B.Sc. degree of the university and
- Is up to the desired standard both in respect of contents and language for being referred to the examiners.



Supervisor

Dr. Prasoon Soni

(Assistant Professor)



Head of Department

Dr. Rajendra Mehta

(Professor)

Dean of School of Interdisciplinary Education and Research

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

"Survey Report on Solid Waste Sites in Wards 61, 62, and 63 of Bilaspur City"

A dissertation work submitted



For the partial fulfilment of the award of degree

BACHELOR OF SCIENCE

IN

RURAL TECHNOLOGY

SESSION 2024-25

**Supervisor
Dr. Prasoon Soni
(Assistant Professor)**

**Submitted by
Shraddha Singh
B.Sc. (RT) 6th Sem.**

**DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL
DEVELOPMENT,
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the central university, Act 2009 No. 25 of 2009)**

CERTIFICATE OF THE SUPERVISOR

CERTIFICATE

This is to certify that **Shraddha Singh**, student of **Bachelor of Science (Rural Technology)** 6th semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India, has completed his dissertation work entitled "**Survey Report on Solid Waste Sites in Wards 61, 62, and 63 of Bilaspur City**" under the guidance of **Dr. Prasoon Soni, Assistant Professor**, Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfilment of the requirement to receive the degree in Bachelor of Science (Rural Technology).



Supervisor

Dr. Prasoon Soni
Assistant Professor



Forwarded by
Prof. Rajendra Mehta
Dean, Head

Department of Rural Technology and Social Development

“A Study on Solid Waste Management in Local Areas of Bilaspur”



**Submitted for the Partial Fulfilment of the Requirement for the Award of the Degree of
Bachelors of Science in Rural Technology**

SESSION 2024-2025

Submitted by

Sweta Kujur

BSc 6th Sem

Roll No- 22048137

Enrollment No- GGV/22/10637

Supervised By

Dr. Prasoon Soni

(Assistant Professor)

Department of Rural Technology and Social Development

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

***A Central University established by the Central University Act, 2009 Bilaspur,
(C.G) 495009 (Accredited A++ Grade by NAAC)***



Department of Rural Technology and Social Development
School of Studies of Interdisciplinary Education and Research
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) 495009
(A Central University) established by the Central University Act, 2009

CERTIFICATE

This is to certify that Sweta kujur D/O Sandeep kujur a student of Bachelors of Science 6th semester in the department of Rural technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G) has carried out a project entitled "A Study on Solid Waste Management in Local Areas of Bilaspur" under the guidance of Dr. Prasoosoni (Assistant Professor), and submitted to the department. This dissertation is the partial fulfilment of the requirement to receive the degree in Bachelors of Science (Rural Technology).

Seal of HOD
Department of Rural Technology
& Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.) 495009

Signature of Supervisor

Dr. Prasoosoni
(Assistant Professor)

**"SURVEY REPORT ON STATUS OF MUNICIPAL BIN IN 70 WARDS OF
BILASPUR CITY (C.G.) INDIA"**



**A DISSERTATION WORK REPORT
SUBMITTED FOR THE PARTIAL FULFILLMENT REQUIRED
FOR THE AWARD OF THE
DEGREE OF
BACHELOR OF SCIENCE
IN
RURAL TECHNOLOGY**

SUPERVISED BY
Dr. Praseon Soni
(Assistant Professor)
Rural Technology

SUBMITTED BY
Zaiur Rahman
B.Sc. (H) (RT) 6th Sem
Roll No. :22048143

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA Koni, BILASPUR- 495001(C.G.)
(A Central University Established by the Central University, Act 2009 No. 25 of 2009)
(NAAC Accredited A++Grade)

2025



Department of Rural Technology and Social Development
Guru Ghasidas Vishwavidyalaya
(A Central university by the central University Act. 2009)
(NAAC Accredited A++ Grade)
Bilaspur (C.G.) 495009 INDIA

CERTIFICATE OF THE SUPERVISOR

This is to certify that **Mr. Zaiur Rahman** student of Bachelor of Science (Hons) (Rural Technology) 6th semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India has completed his dissertation work entitled "**Survey Report on Status of Municipal Bin in 70 Wards of Bilaspur City (C.G.) India**" under the guidance of **Dr. Pushpraj Singh (Professor) & Dr. Prasoon Soni (Assistant Professor)** has submitted to the Department. He conducted research for his dissertation at Bilaspur, Chhattisgarh.

The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Hons) (Rural Technology).

Date: 14/11/23

Place: Bilaspur

Forwarded by
Dr. Rajendra Mehta
(Professor)
Head & Dean
Department of Rural Technology and Social Development
Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh

HEAD
Department of Rural Technology
& Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.) 495009

Dr. Prasoon Soni
(Assistant Professor)
(Rural Technology)

Traffic Control in Bilaspur District of Chhattisgarh

A dissertation work submitted to



GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.) INDIA

For the partial fulfillment of the award of degree

BACHELOR OF SCIENCE

IN

RURAL TECHNOLOGY

SESSION 2024-25

Supervised to

Dr. Alka Mishra

(Assistant Professor)

Submitted by

Harsh Manikpuri

B. Sc 6th Sem.

**DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL
DEVELOPMENT,**

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

(A Central University established by the central university, Act 2009 No. 25 of 2009)

CERTIFICATE OF THE SUPERVISOR

This is certify that the work incorporated in the dissertation "Traffic Controls" is a record of work carried out by Harsh Manikpuri (Roll no.- 22048113). Under your guidance and supervision for the award of Degree Bachelor of Science in the supervisor of Dr. Alka Mishra of Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.).

The best of my knowledge and belief the report:

- Embodies the work of the candidate themselves,
- Has duly been completed,
- Fulfil the requirement of the ordinance relating to the B.Sc. degree of the university and
- Is up to the desired standard both in respect of contents and language for being referred to the examiners.

Supervisor

Dr. Alka Mishra

(Assistant Professor)


DR. ALKA MISHRA
Assistant Professor
Department of Education
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.)

Head of Department

Dr. Rajendra Mehta

(Professor)

Dean of School of Interdisciplinary Education and Research

Dr. Rajendra Mehta

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

**“Analysis of Rural - Urban voting pattern of recent
Parliamentary election of 2024 and State election of 2024 –
2025 with reference to Five States”**

A dissertation work submitted to



GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.) INDIA

For the partial fulfillment of the award of degree

BACHELOR OF SCIENCE

IN

RURAL TECHNOLOGY

SESSION 2024-25

Supervised to

Dr. Pushpraj Singh

(Professor)

Submitted by

Abhishek Kumar

B.Sc. (RT) 6th Sem.

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT,

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

(A Central University established by the central university, Act 2009 No. 25 of 2009)

DECLARATION

This is to certify that I, Abhishek kumar, bearing roll no. 22048101, and Enrollment no. GGV/22/10601, a student of B. Sc. 6th Semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh hereby declare that the dissertation titled “**Analysis of Rural - Urban voting pattern of recent Parliamentary election of 2024 and State election of 2024 – 2025 with reference to Five States**” is in accordance with the requirement of the 6th semester examination under the supervision of Dr. PUSHPRAJ SINGH, Professor, Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh.

I further declare that the work presented in this dissertation is original and has not been previously submitted to any other university or institution. It has not been published anywhere before. The intellectual property rights of this work will remain with the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh.

Abhishek Kumar

ABHISHEK KUMAR

Enrollment no. GGV/22/10601

Department of Rural Technology and Social Development
Guru Ghasidas Vishwavidyalaya, Bilaspur(C.G)

DATE: 05.05.2025

PLACE: GGV, Bilaspur
Chhattisgarh

"Survey Report on Solid Waste Sites in Ward No. 70 of Bilaspur City"

A dissertation work submitted



For the partial fulfilment of the award of degree

BACHELOR OF SCIENCE

IN

RURAL TECHNOLOGY

SESSION 2024-25

Supervisor
Dr. Prasoon Soni
(Assistant Professor)

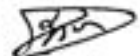
Submitted by
Sameer Kashyap
B.Sc. (RT) 6th Sem.

**DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT,
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)**
(A Central University established by the central university, Act 2009 No. 25 of 2009)

CERTIFICATE OF THE SUPERVISOR

CERTIFICATE

This is to certify that Sameer Kashyap, student of Bachelor of Science (Rural Technology) VI semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India, has completed his dissertation work entitled "Survey Report on Solid Waste Sites in Ward No. 70 of Bilaspur City" under the guidance of Dr. Prasoon Soni, Assistant Professor, Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Rural Technology).



Supervisor

Dr. Prasoon Soni
(Assistant Professor)



Forwarded by
Prof. Rajendra Mehta
Dean, **HEAD**
Department of Rural Technology and Social Development
& Social Development
Guru Ghasidas Vishwavidyalaya,
Bilaspur, Chhattisgarh

"A Study on Poultry Farming In Local Areas, Bilaspur, Chhattisgarh"

**DISSERTATION REPORT SUBMITTED FOR THE
PARTIAL FULFILLMENT OF REQUIRED FOR THE AWARD OF
DEGREE OF**

BACHELOR OF SCIENCE IN RURAL TECHNOLOGY

(B.Sc. (Hons.) RT VIth sem)

Session: 2022-25



SUPERVISED BY:

**DR. LOKESH KUMAR TINDE
(ASSISTANT PROFESSOR)**

SUBMITTED BY:

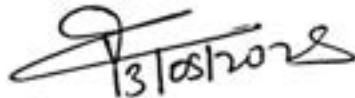
**MR. SAKAR WAGHMARE
ROLL No.: 22048132**

Enrolment No.: GGV/22/10632

**DEPARTMENT OF RURAL TECHNOLOGY & SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR-495009, (C.G.)**

CERTIFICATE OF THE SUPERVISOR

This is to certify that Mr. SAKAR WAGHMARE, Student of Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G) has completed his dissertation work entitled "A Study on Poultry Farming in Local Areas, Bilaspur, Chhattisgarh" under the supervision and guidance of Dr. LOKESH KUMAR TINDE (Assistant Professor) and submitted to the department. The dissertation is the partial fulfilment of the requirement to receive the degree in Bachelor of Science (Rural Technology).



Supervisor

Dr. Lokesh Kumar Tinde
Assistant Professor
Deptt. of Rural Technology
(Assistant Professor)
and Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur - 495009 (C.G.)



Head of Department

Dr. Rajendra Mehta

(Associate Professor)

Department of Rural Technology and Social Development

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G)

Organic Farming: A Sustainable Approach To Agriculture

A dissertation work submitted to



GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.), INDIA

For the partial fulfilment of the award of the degree

BACHELOR OF SCIENCE

RURAL TECHNOLOGY

Session 2024-25

Under The Supervision of
Dr.Lokesh Kumar Tinde
(Assistant Professor)

Submitted By
Rishita Dwivedi
B.Sc. VIthsem
GGV/22/10629




गुरु घासीदास विश्वविद्यालय, बिलासपुर
Guru Ghasidas Vishwavidyalaya, Bilaspur

A Central University established by the Central Universities Act 2009 No. 25 of 2009



CERTIFICATE

This is to certify that **Rishita Dwivedi**, student of **Bachelor of Science (Rural Technology) VIth** semester in the **Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)** has completed her dissertation work entitled "**Organic Farming: A Sustainable Approach to Agriculture**" under the guidance of **Dr. Lokesh Kumar Tinde (Assistant Professor)**. She worked at **Bilaspur, Chhattisgarh** for her dissertation work. The dissertation submitted, is the partial fulfilment of the requirement, to receive the degree in **Bachelor of Science (Rural Technology)**.


Supervisor 13/05/2025

Dr. Lokesh Kumar Tinde
(Assistant Professor)

Dr. Lokesh Kumar Tinde
Assistant Professor
Deptt. of Rural Technology
and Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur - 495009 (C.G.)



Dr. Rajendra Mehta
(Professor)

Department of Rural Technology
Head of the Department
Department of Rural Technology & Social
Development
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.)

**A STUDY ON NUTRITIONAL AND MEDICINAL VALUE OF
TRADITIONAL LEAFY VEGETABLES (BHAJI) OF
CHHATTISGARH**

A dissertation work submitted



For the partial fulfillment of the award of degree

BACHELOR OF SCIENCE

IN

RURAL TECHNOLOGY

SESSION 2024-25

Supervisor

Dr. Lokesh Kumar Tinde

(Assistant Professor)

Submitted By

Rashi Tamboli

B.Sc. (RT) 6th Sem

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)


(A Central University established by the central university, Act 2009 No. 25 of 2009)

CERTIFICATE OF THE SUPERVISOR

This is to certify that Rashi Tamboli , student of Bachelor of Science (Rural Technology) Vith semester in the Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India, has completed his dissertation work entitled "A STUDY ON NUTRITIONAL AND MEDICINAL VALUE OF TRADITIONAL LEAFY VEGETABLES (BHAJI) OF CHHATTISGARH" under the guidance of Dr. Lokesh Kumar Tinde, Assistant Professor, Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted to the Department. The dissertation is the partial fulfillment of the requirement to receive the degree in Bachelor of Science (Rural Technology).


Supervisor
Dr. Lokesh Kumar Tinde

Dr. Lokesh Kumar Tinde
Assistant Professor
Deptt. of Rural Technology
and Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur - 495009 (C.G.)


Professor Dr. Rajendra Mehta
Head of the department

Department of rural technology & social

**“A Study on Invasion of Water Hyacinth in Different Water Bodies of
Bilaspur Region”**



**Submitted for the Partial Fulfilment of the Requirement for the Award of the Degree of
Bachelors of Science in Rural Technology**

SESSION 2024-2025

Submitted by

Roshan Kumar

BSc 6th Sem

Roll No- 22048131

Enrollment No- GGV/22/10631

Supervised By

Dr. Lokesh Kr. Tinde

(Assistant Professor)

Department of Rural Technology and Social Development

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

***A Central University established by the Central University Act, 2009 Bilaspur,
(C.G) 495009 (Accredited A++ Grade by NAAC)***




Department of Rural Technology and Social Development
School of Studies of Interdisciplinary Education and Research
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) 495009
(A Central University) established by the Central University Act, 2009

CERTIFICATE

This is to certify that Roshan Kumar S/O Mr. Bhola Mahto, a student of Bachelors of Science 6th semester in the department of Rural technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G) has carried out a project entitled "Invasion of Water Hyacinth in different water bodies of Bilaspur region" under the guidance of Dr. Lokesh Kr. Tinde (Assistant Professor), and submitted to the department. This dissertation is the partial fulfilment of the requirement to receive the degree in Bachelors of Science (Rural Technology)


Seal and sign of HOD
Prof. Rajendra Mehta


15/05/2028
Signature of Supervisor
Dr. Lokesh Kumar Tinde
Assistant Professor
Dept. of Rural Technology
and Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur - 495009 (C.G.)

A
Dissertation
On

**A DETAILED STUDY ON RATIONING USED IN DAIRY FARM
OVER BILASPUR CITY**

DISSERTATION REPORT SUBMITTED FOR THE
PARTIAL FULFILLMENT OF REQUIRED FOR THE AWARD OF
DEGREE OF
BACHLOR OF SCIENCE IN RURAL TECHNOLOGY
(B.Sc. (Hons.) RT-VIth sem)



SUPERVISED BY:
DR. DEVENDRA SINGH PORTE
(ASSISTANT PROFESSOR)

SUBMITTED BY:
MR. MUKESH SINGH
(GGV/22/10623)

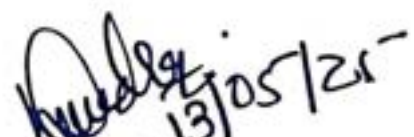
DEPARTMENT OF RURAL TECHNOLOGY & SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR-495009, (C.G.)

2025

CERTIFICATE BY THE SUPERVISOR

This is to certify that Mr. MUKESH SINGH, Student of Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G) has carried the dissertation for partial fulfilment of requirement for the award of degree of B.Sc.(Hons) Rural Technology " A DETAILED STUDY ON RATIONING USED IN DAIRY FARM OVER BILASPUR CITY " under my supervision and guidance. It is also certified that the student has complied with all the guidelines designed for the project of report. To the best of my knowledge this report is an authentic record of the work carried out by the student and it is considered fit for being referred to evaluation.

Date: 13/05/25


13/05/25
Dr. Devendra Singh Porte
(Assistant Professor)
Principal Investigator
ICSSR, Funded Project
GGV, Bilaspur (C.G.)

Place:- Bilaspur

Department of Rural Technology and Social Development
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G)

A

DISSERTATION ON

**“A study on dairy cattle breed under Bilaspur
City with special reference to milk production”**

**DISSERTATION REPORT SUBMITTED FOR THE
PARTIAL FULFILLMENT OF REQUIRED FOR THE AWARD OF
DEGREE OF
BACHELORS OF SCIENCE IN RURAL TECHNOLOGY
(B.Sc. RT)**



SUPERVISED BY:

**DR.DEVENDRA SINGH PORTE
(ASSISTANT PROFESSOR)**

SUBMITTED BY:

**RAGHUNANDAN SONKAR
(GGV/22/10627)**

DEPARTMENT OF RURAL TECHNOLOGY & SOCIAL DEVELOPMENT

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR-495009, (C.G.)

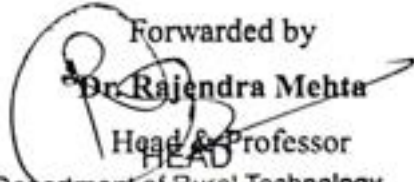
May 2025

FORWARDING LETTER

Mr. Raghunandan Sonkar student of B.Sc. Rural Technology, VI Semester in Department of Rural Technology and Social Development has completed his dissertation entitled "A study on dalry cattle breed under Bilaspur city with special reference to milk production" Under the guidance and supervision of Dr. Devendra Singh Porte, Assistant Professor, Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.), India, in partial fulfilment of the requirement for the degree of B.Sc. Rural Technology.

The dissertation is forwarded to the examinee for evaluation.

Date: 13/05/25

Forwarded by

Dr. Rajendra Mehta
Head & Professor
HEAD
Department of Rural Technology
& Social Development
Department of Rural Technology and
Social Development, Guru Ghasidas
Vishwavidyalaya, Bilaspur (C.G.)

**A pilot study on physico-chemical evaluation of
ground water and lotic water nearby Pussore
block of district Raigarh (C.G.)**



**Dissertation submitted in
Partial fulfilment for the Degree of**

**BACHELOR OF SCIENCE
in
RURAL TECHNOLOGY**

By

Deepak Choudhary
B. Sc. (R.T.) VIth Semester
Roll. No. 22048106
Enrolment No. GGV/22/10606

Under the Supervision of
Dr. Satendra Kumar Nirala
Assistant Professor

**DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL
DEVELOPMENT GURU GHASHIDA
VISHWAVIDYALAYA
KONI- BILASPUR 495009 (C.G.)
Session 2024-25**

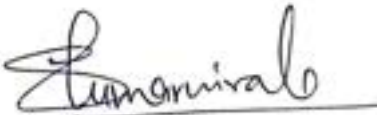
CERTIFICATE OF THE SUPERVISOR

This is to certify that the work contained in the dissertation entitled "A pilot study on physico-chemical evaluation of ground water and lotic water nearby Pussore block of district Raigarh (C.G.)" submitted to the Department of Rural Technology and Social Development of Guru Ghasidas Vishwavidyalaya, Koni Bilaspur (C.G.) by **Mr. Deepak Choudhary** (Roll No.22048106) for the award of the degree of B. Sc. (Rural Technology), is a record of bonafide research work carried out by him under my supervision. The contents embodied in the dissertation have not been submitted for the award of any other degree or diploma in any other university.

Date: 13-05-2025

Place: GGU, Bilaspur


Signature
HEAD
Head of the Department
& Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.) 495009



Signature of Supervisor
Dr. Satendra Kumar Nirala
(Assistant Professor)

Dr. Satendra Kumar Nirala
Assistant Professor
Deptt. of Rural Technology
and Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur 495009 (C.G.)

" Review on *Ganoderma lucidum* with special findings "



DISSERTATION

SUBMITTED FOR PARTIAL FULFILLMENT

**FOR THE AWARD OF DEGREE
MASTER OF SCIENCE IN RURAL TECHNOLOGY**

2024-2025

Supervisor

Dr. Bhaskar Chaurasia

Assistant Professor

Submitted by

Miss Payal Biswas

M.Sc. (R.T.), 4th Sem

DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT

GURU GHASIDAS VISHWA VIDYALAYA, BILASPUR (C.G.)

(A central University established by the central university, Act 2009 No. 25 of 2009)

**"A STUDY ON INNOVATIVE WASTE MANAGEMENT OF MUNICIPAL
CORPORATION OF DISTRICT AMBIKAPUR, {C.G.} "**



DISSERTATION

SUBMITTED FOR PARTIAL FULFILLMENT

FOR THE AWARD OF DEGREE

MASTER OF SCIENCE IN RURAL TECHNOLOGY

2024-2025

Supervisor

Dr. Satendra Kumar Nirala

Assistant Professor

Department of Rural Technology

and Social Development

Submitted by

Lilesh Nishad

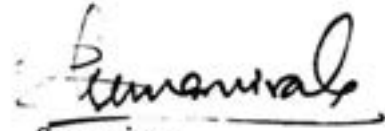
M.Sc. (R.T.), 4th Sem



CANDIDATE'S CERTIFICATE

This is to certify that the dissertation entitled "*A study on innovative waste management of municipal corporation of district ambikapur, {c.g.}*" submitted for the partial fulfillment for the award of degree of Master of Science in Rural Technology of Guru Ghasidas Vishwavidyalaya, Bilaspur has been carried out by LILESH NISHAD student of M.Sc. (R.T.) 4th Semester, enrollment No. (GGV/23/10702), under my guidance and supervision.

This work has not been submitted elsewhere for the award of any degree or diploma.


Supervisor

Place: Bilaspur (C.G.)

Date: 13-05-2025

Dr. Satendra Kumar Nirala
Assistant professor
Dept of Rural Tech. and
Social Development
Dr. Satendra Kumar Nirala
Assistant Professor
Deptt. of Rural Technology
and Social Development
Guru Ghasidas Vishwavidyalaya
Bilaspur 495009 (C.G.)

Valued
Dr. Nirala
15/5/25

"A study on economic evaluation of milk production in Bilaspur District, Chhattisgarh"



**A DISSERTATION
SUBMITTED FOR PARTIAL FULFILLMENT
FOR THE AWARD OF DEGREE
MASTER OF SCIENCE IN RURAL TECHNOLOGY**

Session: 2024-25

Supervised by

Dr. Lokesh Kumar Tinde

(Assistant Professor)

Submitted by

Yuvraj Singh

Enrollment No: GGV/19/6153

M.Sc. (RT) 4th Semester

**DEPARTMENT OF RURAL TECHNOLOGY AND SOCIAL DEVELOPMENT
GURU GHASIDAS VISHWAVIDHYALAYA, BILASPUR (C.G.)**

(A Central University established by the central university, Act 2009 No. 25 of 2009)

DECLARATION BY THE CANDIDATE

I, Yuvraj Singh, hereby declare that this dissertation entitled "A study on economic evaluation of milk production in Bilaspur District, Chhattisgarh" Submitted to Department of Rural Technology and Social Development, Guru Ghansidas Vishwavidyalaya, Bilaspur for partial fulfillment of the requirements for the award of **Master of Science (M.Sc.) in Rural Technology**. It is my own work and to the best of my knowledge and belief. It is a record of original research carried out by me under the supervision of **Dr. Lokesh Kumar Tinde (Assistant Professor)** to the best of my knowledge in this work has not been submitted elsewhere for any other degree/diploma. The assistance and help received during the course of this investigation have been duly acknowledged.

Abhishek Cover...

Not saved yet.

A**DISSERTATION****ON**

**“ASSESSING DIGITAL
LITERACY AMONG PVTGS
RESIDING IN KABIRDHAM
(KAWARDHA) DISTRICT OF
CHHATTISGARH: A STUDY ON
CHILDREN AGED 12 TO 21
YEARS FROM THE BAIGA
TRIBE”**

**DISSERTATION REPORT
SUBMITTED FOR THE**

**PARTIAL FULFILLMENT OF
REQUIRED FOR THE AWARD OF**

DEGREE OF

**MASTER OF SCIENCE IN
RURAL TECHNOLOGY
(M.Sc. RT)**



SUPERVISED BY: