गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

VILLAGE ATTACHMENT REPORT

SUBMITTED FOR PARTIAL FULFILLMENT OFTHE
DEGREE OF
BACHELOR OF SCIENCE
DEGREE IN
FORESTRY

(Session: 2023-2024)

REPORT ON SOCIO-ECONOMIC SURVEY OF DAUKAPA VILLAGE, MUNGELI, CHHATTISGARH

Submitted To-
Dr. S.C Tiwari
Dean of School of Natural Resources.

Submitted By-
Aanchal Kumbhakar
Roll No.- 20007001
Enrollment No.-
GGV/20/06501

Department of Forestry, Wildlife and
Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(A central university established under Central Universities Act 2009, No. 25 of 2009)

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(A central university established under Central Universities Act 2009, No. 25 of 2009)

CERTIFICATE

I have great pleasure in certifying that ***Ms. Aanchal Kumbhakar D/o Mr. Pardesi Ram Kumbhakar*** *is a regular student of B.Sc Forestry (8th Semester) during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed village attachment training entitled* ***"REPORT ON SOCIO-ECONOMIC SURVEY"*** *during this semester under my guidance.*

I wish her all the success in her academics.

Dr. S.C.Tiwari
(Dean of School of Natural Resources)

CONTENTS

CHAPTER - 1
INTRODUCTION Page: 6-11

- o Socio-Economic Survey
- o Definition
- o Importance of Socio-Economic survey
- o Socio-Economic assessment
- o Aim of the survey o Objectives of survey
- o Methodology adopted for survey

CHAPTER - 2
VILLAGE PORTRAIT Page: 12-15

- o General profile of the village
- o Map of the village
- o Village infrastructures

CHAPTER - 3
DEMOGRAPHIC PROFILE Page: 16-27

- o Population Status
- o Social Anatomy
- o Sex Ratio
- o Literacy Rate
- o Level of Education
- o Age of the Village
- o Household Pattern
- o Sanitation Status
- o Drainage Status
- o Compost Pit Status
- o Status of Water Source
- o Source of Energy (Lighting and Cooking)
- o Agricultural Practices

CHAPTER - 4 AWARENESS PROGRAM Page: 28-30
CHAPTER - 5 PROBLEMS Page: 30
CHAPTER - 6 SUGESSTIONS Page: 31
CHAPTER - 7 CONCLUSION Page: 32-33
CHAPTER - 8 REFERENCE Page: 34

FOREST TRAINING REPORT (ATTACHMENT WITH STATE FOREST DEPARTMENT)

(Session: 2023-24)

SUBMITTED FOR PARTIAL FULFILLMENT OF THE REQUIREMENT OF BACHELOR DEGREE OF SCIENCE IN FORESTRY

Submitted to –
Dr. S.C. Tiwari
Dean of School Natural Resource

Submitted By-
Aanchal Kumbhakar
B.Sc Forestry 8th sem
Roll No.- 20007001
Enrollment No.-
GGV/20/06501

Department of Forestry, Wildlife and Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(A central university established under Central Universities Act 2009, No. 25 of 2009)

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(A central university established under Central Universities Act 2009, No. 25 of 2009)

CERTIFICATE

I have great pleasure in certifying that ***Ms.Aanchal Kumbhakar D/o Mr. Pardeshi Ram Kumbhakar*** *is a regular student B.Sc. Forestry (8th Semester) during the session of 2020-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed forest attachment training entitled* ***" Forest Training report (Attachment with State Forest Department)"*** *during this semester under my guidance*

I wish her all the success in her academics.

2/05/24

Dr. S.C.Tiwari
Dean of School of Natural Resources

INDEX

	Topic	No.
1.	Introduction to Chhattisgarh Forest Department: - Attachment with state forest department	8-13
1.1	Types of forest	
1.2	Objectives	
1.3	Forest administration	
1.4	Administrative classification	
1.5	Aims of forest administration	
1.6		
2.	Selection Cum Improvement Management Circle (SC felling:-	14-20
2.1	Selection Management	
2.2	Improvement Management	
2.3	Principle of SCI	
2.4	Benefits of SCI	
2.5	Advantage of coupe felling	
2.6	Procedure of coupe felling	
3.	Assisted Natural regeneration:-	21-25
3.1	Advantages	
3.2	Disadvantages	
3.3	Procedure of ANR	
4.	Forest Working Plan:-	26-34
4.1	Why there is need of working plan	
4.2	Objectives of working plan	
4.3	Scope of working plan	
4.4	Formulation of working plan	
4.5	Annual plan of operation	
4.6	Formation of working plan	
4.7	Field work for working plan formulation	
4.8	Forest Organization	
4.9	Management classification	

REPORT

ON

INDUSTRIAL TRAINING

(Session: 2023-24)

SUBMITTED FOR PARTIAL FULFILLMENT OF THE REQUIREMENT OF BACHELOR DEGREE OF SCIENCE IN FORESTRY

Submitted To-
Dr. S.C. Tiwari
Dean of School of Natural Resources
Department of Forestry, Wildlife and Environmental Sciences

Submitted By-
Aanchal Kumbhakar
B.Sc Forestry 8th Sem
Roll No.-20007001
Enrollment No.-
GGV/20/06501

Department of Forestry, Wildlife and Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(A central university established under Central Universities Act 2009, No. 25 of 2009)

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(A central university established under Central Universities Act 2009, No. 25 of 2009)

CERTIFICATE

I have great pleasure in certifying that ***Ms. Aanchal kumbhakar D/o Mr. Pardeshi Ram Kumbhakar*** *is a regular student of B.Sc Forestry (8th Semester) during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGV, Bilaspur. She has completed Industrial training entitled* ***"Report on Industrial Training"*** *during this semester under my guidance.*

I wish her all the success in her academics.

13/05/24

Dr. S.C Tiwari
Dean of School of Natural Resources
Department of Forestry, Wildlife and
Environmental Sciences

Index

S.NO.	TOPIC	PAGE NO.
1	Chapter-1 Introduction	6
2	Chapter-2 Definition	7
3 3.1 3.2 3.1.1 3.1.2 3.1.3 3.1.4 3.3 3.3.1 3.3.2 3.3.3 3.3.4 3.3.5	Chapter -4 Bamboo and wood Based Novel Product Introduction Bamboo craft Characteristics of Bamboo Tools used in Bamboo craft Process Advantage Wood Craft Characteristucs of wood craft Tools used in wood craft Process Advantag	8-13
4 4.1 4.1.1 4.1.2 4.1.3 4.1.4 4.1.5 4.1.6	Chapter-4 Mushroom Training and Waste Management Introduction Classification Classification on the basis of edibility Life cycle of Mushroom Types of mushroom Benefits of Mushroom	14-22
5	Conclusion	23-24
6	Reference	25

Index

S.NO.	TOPIC	PAGE NO.
1	Chapter-1 Introduction	6
2	Chapter-2 Definition	7
3 3.1 3.2 3.1.1 3.1.2 3.1.3 3.1.4 3.3 3.3.1 3.3.2 3.3.3 3.3.4 3.3.5	Chapter -4 Bamboo and wood Based Novel Product Introduction Bamboo craft Characteristics of Bamboo Tools used in Bamboo craft Process Advantage Wood Craft Characteristucs of wood craft Tools used in wood craft Process Advantag	8-13
4 4.1 4.1.1 4.1.2 4.1.3 4.1.4 4.1.5 4.1.6	Chapter-4 Mushroom Training and Waste Management Introduction Classification Classification on the basis of edibility Life cycle of Mushroom Types of mushroom Benefits of Mushroom	14-22
5	Conclusion	23-24
6	Reference	25

TRAINING REPORT
ON
SOCIO –ECONOMIC SURVEY
OF DAWANBOD VILLAGE

Session – 2023-24

SUBMITTED FOR PARTIAL FULFILMENT FOR
THE REQUIREMENT OF BACHELOR OF
SCIENCE DEGREE IN FORESTRY

SUBMITTEDTO:
Professor S.C .Tiwari
Department of Forestry,
Wildlife & Environmental
Sciences

SUBMITTEDBY:
Ms.Aanchal Singh
B.Sc. Forestry (8th Semester)
Roll no: 20007002
Enrolment no: GGV/20/06502

Department of Forestry, Wildlife and Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(A central university established under Central Universities Act 2009, No. 25 of 2009)

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

(Acentral university established under Central Universities Act 2009, No. 25 of 2009)

CERTIFICATE

I have great pleasure in certifying that ***Ms.Aanchal Singh d/o Mr.Krishna Pratap Singh*** *is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed this training entitled* ***"Training report on Socio – economic Survey of Dawanbod Village"*** *during this semester under my guidance.*

I wish her all the success in her endeavours.

Professor S.C .Tiwari
Department of Forestry,
GGV,Bilaspur

13/05/24

CONTENTS

- CHAPTER – 1 (INTRODUCTION)
- Definition
- Importance of Socio-Economic survey
- Socio-Economic assessment
- Aim of the survey
- Objectives of survey
- Methodology adopted for survey
- Village
- Socio-Economic Survey

CHAPTER – 2 (VILLAGE PORTRAIT)

- General profile of the village
- Map of the village
- Village infrastructures
- House
- School
- Anganwadi
- Panchayat
- PDS System
- Hospital

Road
Water Availability
Some tree species recorded from village

- **Source of Income**
- **Schemes Benifiting**
- **Cooking Status**
- **Livestock possession**
- **Technology**
- **Weekly market**
- **Conclusion**
- **Problems & Suggestion**

A REPORT ON
FIELD TRAINING (ATTACHMENT WITH STATE FOREST DEPARTMENT) BILASPUR, CHHATTISGARH

Submitted for Partial Fulfilment of Requirement for the Bachelor of Science degree in Forestry

Session 2023-24

Under the Supervision of:

Professor S. C .Tiwari
Department of Forestry, Wildlife & Environmental Sciences

Submitted By:
Aanchal Singh
B.Sc. Forestry(8th semester)
Roll.no.:20007002
Enrollment no.:
GGV/20/06502

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCS

GURU GHASIDAS VISHWAVIDYALAYABILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that **Ms. Aanchal Singh** D/o **Mr. Krishna Pratap Singh,** is a regular student of B.Sc. Forestry 8th semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences , GGV,Bilaspur.She has completed this training entitled **"Training report on Field training (Attachment with state Forest Department)"** under my guidance.

I wish her all the success in her future endeavors.

Professor S.C.Tiwari 13/05/24
Department of Forestry, GGV,
Bilaspur

CONTENT

S.NO.Z	TOPIC	PAGE NO.
1	CHAPTER 1: INTRODUCTION	1-4
2	CHAPTER 2: PARIVESH E-GREEN PORTAL FSI REPORT. WILDLIFE TRACKING REMOT SENSIN& GIS APPLICATION	5-6
3	CHAPTER 3:UTILIZATION HONEY PROCESSING UNIT, MFP, C-MART	7-11
4	CHAPTER 4: REGIONAL GEOGRAPHICAL CENTER	12-14
5	CHAPTER 5: WOOD DEPOT	15-23
6	CHAPTER 6 :NURSERY MANAGEMENT	24-26
7	CHAPTER 7: BIODIVERSITY COSERVATION ACT	27-28
8	CHAPTER 8: WILD LIFE ZOO	29-31
9	CHAPTER 9: COCLUSION REFRENCES	32
10	CHAPTER 10: REFRENCES	33

TRAINING REPORT
On
INDUSTRIAL TRAINING

SESSION 2023-24

SUBMITTED FOR PARTIAL FULFILMENT FOR
THE REQUIREMENT OF BACHELOR OF
SCIENCE DEGREE IN FORESTRY

SUBMITTED TO:
Professor S.C. Tiwari
Department of Forestry,
Wildlife & Environmental
Sciences

SUBMITTED BY:
Aanchal Singh
B.Sc. Forestry (8th Semester)
Roll no: 20007002
Enrolment no-GGV/20/06502

Department of Forestry, Wildlife and Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(A central university established under Central Universities Act 2009, No. 25 of 2009)

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

(Acentral university established under Central Universities Act 2009, No. 25 of 2009)

CIRTIFICATE

This is to certify that ***Ms. Aanchal Singh d/o Krishna Pratap Singh*** *is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGV, Bilaspur. She has completed this training entitled* ***" Training Report on Industrial Training ".*** *during this semester under my guidance.*

I wish her all the success in her future academic endeavours.

Professor S.C. Tiwari
Department of Forestry
GGV ,Bilaspur 13/05/24

CONTENT

- INTRODUCTION
- CHAPTER- 1 BAMBOO
  - Definition
  - Bamboo Art
  - Importance of Bamboo art
  - Objective of the Bamboo art
  - Processing of Bamboo art
  - Tools use in Bamboo art
  - Bamboo craft made by the students
- WOOD BASED NOVEL PRODUCTS
  - Wood based craft
  - Wood craft species
  - Wood craft tools
  - Wood craft made by the students
- CHAPTER -3 MUSHROOM PRODUCTION
  - Mushroom
  - Mushroom production and it's waste management
  - Economic importance of mushroom
  - Types of mushroom
  - Procedure
  - Pasteurization
  - Inoculation
  - Bagging and container preparation
  - Mushroom formation and harvesting
- WASTE MANAGEMENT
  - Substrate recycling
  - Anaerobic digestion
  - Vermicomposting
  - Ecological treatment
- CONCLUSION

REPORT ON

FOREST INSTITUTE AND INDUSTRIAL VISITS

Submitted for Partial Fulfillment of Requirement of The

Bachelor degree of science

In

Forestry.

Session 2023-24

UNDER THE SUPERVISION OF:

Dr. S.C. Tiwari

Professor & Dean

Department of Forestry, Wildlife &

Environmental Sciences.

SUBMITTED BY:

Aashwina Singh

Roll no. 20007003

Enrolment no. GGV/20/06503

B.Sc. Forestry, Wildlife &

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES

GURU GHASHIDAS VISHWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH

(A CENTRAL UNIVERSITY)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

(A Central university Established Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

I have great pleasure in certifying that **AASHWINA SINGH** D/o **LATE MR. PREMENDRA SINGH** is a regular student of B.Sc. Forestry (8th Semester) during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed this training entitled "" during this semester under my guidance.

I wish her all the success in her academics.

Prof. S.C. Tiwari
Professor & Dean 13/05/24
School of Natural Resource,
Guru Ghasidas Vishwavidyalaya, Bilaspur.

INDEX

CHAPTER NO.		CHAPTER NAME	PAGE NO
CHAPTER - 1		BAMBOO ART AND WOOD BASED NOVEL PRODUCTS	1-12
	•	Introduction	
	•	Definition of bamboo	
	•	Bamboo art	
	•	Definition of wood	
	•	Wood based novel products	
	•	Inauguration	
	•	Workshop schedule from day 1 to day 4	
	•	Wooden and bamboo products made by students	
CHAPTER-2		TRAINING ON MUSHROOM PRODUCTION AND ITS WASTE MANAGEMENT	13-45
	•	Inauguration	
	•	Introduction	
	•	Mushroom	
	•	Mushroom product ion and its waste management	
	•	Economic importance of mushroom	
	•	Types of mushroom	
	•	Material required for cultivation	
	•	Material deployment	
	•	Preparation of growing medium for oyster mushroom, milky mushroom & paddy mushroom	
	•	Sterilization process	
	•	Seeding	
	•	Inoculation process	
	•	Chamber	
	•	Cultivation of mushroom	
	•	Marketing of mushroom	
	•	vermicompost	
	•	End of training session	
CHAPTER -3		CONCLUSION	46
CHAPTER-4		REFERENCES	47

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

REPORT ON

FOREST ATTACHMENT IN BALODABAZAR FOREST DIVISION

(FOREST OPERATIONS WORK EXPERIENCE)

Submitted for Partial Fulfillment of Requirement of The
Bachelor of Science
In
Forestry.

Session 2023-24

UNDER THE SUPERVISION OF:

S.C. Tiwari

Dean & Professor

Department of Forestry, Wildlife &
Environmental Science.

SUBMITTED BY:

Aashwina Singh

Roll no. 20007003
Enrolment no. GGV/20/06503

B.Sc. Forestry, Wildlife &
Environmental Sciences

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES

GURU GHASHIDAS VISHWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH

(A CENTRAL UNIVERSITY)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

This is to certify that the Forest attachment report entitled: **"FOREST ATTACHMENT IN BALODABAZAR FOREST DIVISION"** submitted for the Patrial fulfilment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **AASHWINA SINGH** of **B.Sc. Forestry VIIIth Semester** student (Roll no.20007035) under my guidance , her work is appreciable and satisfactory.

I wish her all the success in her future academic endeavors.

Supervisor

13/05/24

S.C. Tiwari
Professor & Dean

SOS, Natural Resources

Guru Ghasidas Vishwavidyalaya, Bilaspur.

Index

CHAPTER SNO.		CHAPTER NAME	PAGE NO.
CHAPTER – 1		INTRODUCTION	1 – 6
	1.1	Forest in Chhattisgarh	
	1.2	Chhattisgarh forest department	
	1.3	Forest head	
CHAPTER – 2		NURSERY	6 - 14
	2.1	Definition	
	2.2	Importance of nursery	
	2.3	Types of nurseries	
	2.4	Site selection for nursery	
	2.5	Tree species in nursery	
	2.6	Activity performed in nursery	
	2.7	Tools and equipment's	
	2.8	Irrigation system	
CHAPTER – 3		BAMBOO FOREST IN ACHANKUR	14 – 19
	3.1	Definition	
	3.2	Types of bamboo	
	3.3	Classes of bamboo	
	3.4	Sizes of bamboo	
	3.5	Working plan for bamboo felling	
CHAPTER – 4		WORKING PLAN	19 – 25
	4.1	Definition	
	4.2	Objective of working plan	
	4.3	Conditions for formulation of working plan	
	4.4	Annual plan of operation	
	4.5	Procedure of working plan formulation	
	4.6	Field work for working plan	
	4.7	Forest organization	
	4.8	Management classification	
CHAPTER – 5		SELECTION CUM IMPROVEMENT COUPES	31-35
	5.1	Definition	
	5.2	Demarcation of coupes	
	5.3	Marking	
	5.4	Recording	
	5.5	Felling & logging procedure	
	5.6	Transmission of coupes for felling	
	5.7	Felling of trees	
	5.8	Logging of felled trees	
CHAPTER – 6		FOREST WOOD DEPO, DEVPUR	35 - 47
		Introduction	
CHAPTER - 7		WILDLIFE ACTIVITY IN BARNAWAPARA	47 -55
		Wildlife sanctuary	
		Wildlife management	
		Objective	
		Techniques	
		Wildlife activity and survey	
		Challenges in wildlife management	
CHAPTER 8		WATERSHED MANAGEMENT AND SMC	55 - 59
		Watershed	
		Soil moisture conservation	
		Narva Vikas yojana	
		Techniques or soil moisture conservation	
CHAPTER 10		JOINT FOREST MANAGEMENT	59 - 64
		Definition	
		Importance	
		Activities done by JFMC	
		problems	
CHAPTER 11		ECOTOURISM	64 -69
		Definition	
		Eco – tourism places in balodabazar	
CHAPTER 12		NTFP	69 -73
CHAPTER 13		LEARNING OUTCOMES	73 -85
		CONCLUSION	
		REFERENCE	

REPORT ON

SOCIO ECONOMIC SURVEY OF BAIMA VILLAGE

Submitted for Partial Fulfillment of Requirement of The

Bachelor of Science

In Forestry.

Session 2023-24

UNDER THE SUPERVISION

Prof. S.C. Tiwari

Dean & Professor

Department of Forestry, Wildlife &
Environmental Science.

SUBMITTED BY:

Aashwina Singh

Roll no. 20007003

Enrolment no. GGV/20/06503

Department of Forestry, Wildlife &
Environmental Science.

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES

GURU GHASHIDAS VISHWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH

(A CENTRAL UNIVERSITY)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central university Established Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

I have great pleasure in certifying that **AASHWINA SINGH D/o LATE MR. PREMENDRA SINGH** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed this training entitled **"Training report on Socio–economic Survey of BAIMA VILLAGE"** during this semester under my guidance.

I wish her all the success in her academics.

Prof. S.C. Tiwari
13/05/24
Professor & Dean
School of Natural Resource
Guru Ghasidas Vishwavidyalaya Bilaspur.

CONTENTS

❖ CHAPTER – 1 (INTRODUCTION)	1 - 6
1. Socio-Economic Survey	1
2. Definition	1
3. Importance of Socio-Economic survey	1
4. Socio-Economic assessment	2
5. Aim of the survey	2
6. Objectives of survey	2
7. Methodology adopted for survey	3
8. Village	4
❖ CHAPTER – 2 (VILLAGE PROFILE)	7- 15
1. General profile of the village	7
2. Map of the village	8
3. Village infrastructures	14
❖ CHAPTER – 3 (DEMOGRAFIC PROFILE OF BAIMA)	15 - 27
1. Population Structure	15
2. Social Anatomy	16
3. Sex Ratio	17
4. Level of Education	18
5. Literacy Rate	19
6. Housing Pattern	20
7. Status of Water Source	21
8. Source of Energy	22
9. Agricultural Practices	23
10. Occupation	24
11. Communication	25
12. Covid Vaccination	26
13. Vehicle Type	27
14. Financial Assets	27
❖ CHAPTER – 4 (AWARENESS)	28-32
❖ CHAPTER – 5 (GOVERNMENTAL SCHEMES)	33-35
❖ CHAPTER – 6 (COMPARISON WITH MODAL VILLAGE)	36-39
❖ CHAPTER – 7 (PROBLEMS)	40
❖ CHAPTER - 8 (SUGGESTION)	41
❖CHAPTER – 9 (CONCLUSION)	42
REFERENCE	43

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A REPORT ON

SOCIO-ECONOMIC SURVEY OF KOSMANDA VILLAGE IN BHATAPARA,(C.G)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

SESSION-2023-24

UNDER THE SUPERVISION OF:
Dr.S.S. Dhuria
Professor
Department of Forestry, Wildlife& Environmental Science
GGV,Bilaspur, (C.G.)

SUBMITTEDBY:
Avdhesh Verma
B.Sc.Forestry8thSemester
Enroll.No.GGV/20/06512
Roll No. 20007012

Department of Forestry, Wildlife & Environmental Sciences
GURUGHASIDASVISHWAVIDYALAYABILASPUR(C.G.)
(A Central University Establishment Under Central University Act 2009,No.25 of 2009)

A REPORT ON
INSTITUTE & INDUSTRIAL FOREST TRANING BILASPUR, CHATTISHGARH

(INDUSTRIAL SURVEY REPORT)

Submitted for Partial Fulfillment of Requirement for the degree the Bachelor of Science in Forestry,

2023-2024

Under the Supervision of:
DR. S.C. TIWARI
Dean, School of Natural Resources,
Department of Forestry, Wildlife and Environmental Sciences
GGV, Bilaspur.

Submitted by:
ABBAS ALI
B.Sc. Forestry 8th Sem.
Roll No. 20007004
Enrollment No. GGV/20/06504

DEPARTMENT OF FORESTRY WILDLIFE AND ENVIRONMENTAL SCIENCES,
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

Department of Forestry, Wildlife & Environmental Sciences
Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that the forest institute and industrial training visit report entitled: "Training report on Forest Institute and Industrial training" submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Mr. Abbas Ali** of **B.Sc. Forestry, 8th Semester (Enrolment No. GGV/20/06504)** under my guidance and supervision.

I wish him all the success in his future academic endeavors.

Supervisor
14/05/24
DR. S.C. TIWARI
Dean, School of Natural Resources,
Department of Forestry, Wildlife & Environmental Sciences
GGV, Bilaspur, (C.G.)

CONTENT

S.NO.2	TOPIC	PAGE NO.
1	CHAPTER 1: INTRODUCTION	1-4
2	CHAPTER 2: PARIVESH E-GREEN PORTAL FSI REPORT. WILDLIFE TRACKING REMOT SENSING& GIS APPLICATION	5-6
3	CHAPTER 3:UTILIZATION HONEY PROCESSING UNIT, MFP, C-MART	7-11
4	CHAPTER 4: REGIONAL GEOGRAPHICAL CENTER	12-14
5	CHAPTER 5: WOOD DEPOT	15-23
6	CHAPTER 6 :NURSERY MANAGEMENT	24-26
7	CHAPTER 7: BIODIVERSITY COSERVATION ACT	27-28
8	CHAPTER 8: WILD LIFE ZOO	29-31
9	CHAPTER 9: COCLUSION REFRENCES	32
10	CHAPTER 10: REFRENCES	33

A REPORT ON

SOCIO-ECONOMIC SURVEY OF AMNE VILLAGE, BILASPUR CHHATTISGARH

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

(A Village Attachment Report)

Submitted for Partial Fulfillment of Requirement for the

degree the Bachelor of Science In

Forestry

Session – 2023-24

Under the Supervision of:

Dr. S.C Tiwari

Dean, School of
Natural Resources,
Department of Forestry,
Wildlife and Environmental Sciences,
GGV, Bilaspur.

Submitted By:

Abbas Ali

B.Sc. Forestry 8th Semester
Roll No. 20007004
Enrolment No. GGV/20/06504

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that Mr. Abbas Ali S/o Mr. Tahir Hussain, bearing Enrollment No.– GGV/20/06504 of Department of Forestry, Wildlife and Environmental Sciences. He has completed this training entitled "**Training report on Socio –economic Survey of Village Amne**" under my guidance.

I wish him all the success in his academics.

SUPERVISOR: 14/05/24

Dr. S.C Tiwari

Dean, School of
Natural Resources,
Department of Forestry,
Wildlife and Environmental
Sciences GGV, Bilaspur.

CONTENTS

- CHAPTER – 1 (INTRODUCTION)
- Definition
- Importance of Socio-Economic survey
- Socio-Economic assessment
- Aim of the survey
- Objectives of survey
- Methodology adopted for survey
- Village
- Socio-Economic Survey

CHAPTER – 2 (VILLAGE PORTRAIT)

- General profile of the village
- Map of the village
- Village infrastructures
- House
- School
- Anganwadi
- Panchayat
- PDS System
- Hospital

Road
Water Availability
Some tree species recorded from village

- Source of Income
- Schemes Benifiting
- Cooking Status
- Livestock possession
- Technology
- Weekly market
- Conclusion
- Problems & Suggestion

A REPORT ON
FOREST ATTACHMENT (MARWAHI FOREST DIVISION GPM C.G.)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE DEGREE IN FORETRY

SESSION-2023-24

UNDER THE SUPERVISION OF:
DR. S.C. TIWARI
Dean, School of Natural Resource
Department of Forestry, Wildlife& Environmental Sciences,
GGV, Bilaspur, (C.G.)

SUBMITTEDBY:
ABBAS ALI
B.Sc. Forestry 8th Semester
Enrollment No. GGV/20/06504
Roll No. 20007004

Department of Forestry, Wildlife & Environmental Sciences
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR(C.G.)
(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

Department of Forestry, Wildlife & Environmental Science

GURUGHASIDASVISHWAVIDYALAYABILASPUR(C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: "**FOREST ATTACHMENT REPORT (MARWAHI FOREST DIVISION, GPM, CHHATTISGARH)** submitted for the partial fulfilment of the Degree of **Bachelor of Science in Forestry to the Department of Forestry, Wildlife And Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G)** has been carried out by **Abbas Ali** of **B.Sc. FORESTRY 8th Semester, Roll No: 20007004** under my guidance and supervision. I Wish him all the success in his future academic endeavours.

Supervisor 14/05/26

Prof. S.C. Tiwari
Dean, School of Natural Resource,
Department of Forestry Wildlife and Environmental Sciences,
Guru Ghasidas Vishwavidyalaya, Koni,
Bilaspur, C.G. 495009.

CONTENT

S.NO.Z	TOPIC	PAGE NO.
1	CHAPTER 1: INTRODUCTION	1-4
2	CHAPTER 2: PARIVESH E-GREEN PORTAL FSI REPORT. WILDLIFE TRACKING REMOT SENSIN& GIS APPLICATION	5-6
3	CHAPTER 3:UTILIZATION HONEY PROCESSING UNIT, MFP, C-MART	7-11
4	CHAPTER 4: REGIONAL GEOGRAPHICAL CENTER	12-14
5	CHAPTER 5: WOOD DEPOT	15-23
6	CHAPTER 6 :NURSERY MANAGEMENT	24-26
7	CHAPTER 7: BIODIVERSITY COSERVATION ACT	27-28
8	CHAPTER 8: WILD LIFE ZOO	29-31
9	CHAPTER 9: COCLUSION REFRENCES	32
10	CHAPTER 10: REFRENCES	33

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A TRAINING REPORT ON

SOCIO-ECONOMIC SURVEY OF NIRTU VILLAGE IN

BILASPUR, (C.G)

PIN-495660

(VILLAGE ATTACHMENT)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

Session : 2023-24

UNDER THE SUPERVISION OF:

Dr.S.C Tiwari

Dean, School of Natural Resources

Department of Forestry, Wildlife & Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Abhishek Bhoy

B.Sc. Forestry 8th Semester

Enroll. No.GGV/20/06505

Roll No. 20007005

Department of Forestry, Wildlife & Environmental Science

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR C.G.

(A Central University Establishment Under Central University Act 2009, No.25 of 2009))

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that Abhishek Bhoy S/O Mr. Thanda Ram Bhoy is a regular student of B.Sc. Forestry 8th Semester during the session of 2023 – 24 of Department of Forestry, Wildlife and Environmental Science. He has completed field training entitled "**Socio – Economic Survey Report of Nirtu Village**" under my guidance

I Wish him all success in his future academic endeavours.

SUPERVISOR 06/05/24

Dr. S.C. Tiwari

Professor

Department of Forestry
Wildlife and Environmental Sciences

CONTENTS

CHAPTER-1		**Introduction**	**1-3**
	1.1	Socio-Economic Survey	
	1.2	Definition	
	1.3	Importance of socio-economic survey	
	1.4	Socio-Economic assessment	
	1.5	Aim of the survey	
	1.6	Objective of the survey	
CHAPTER-2		**Methodology**	**4-7**
		Methodology adopted for survey	
	2.1	Selection of the area	
	2.2	Developing baseline conditions	
	2.3	Designing a questionnaire form	
	2.4	Data collection from Primary source	
	2.5	Data collection from Secondary Source	
	2.6	Data entry and verification	
	2.7	Data analysis and representation	
CHAPTER-3		**Village Profile**	**8-29**
	3.1	General profile of the village	
	3.2	Map of village	
	3.3	Village infrastructure	
CHAPTER-4		**Demographic Profile**	**30-40**
	4.1	Demographic and resource data of Village	
	1.	Population status	
	2.	Social anatomy	
	3.	Poverty status	
	4.	Housing pattern	
	5.	Educational status	
	6.	Literacy rate	
	7.	Occupation and employment	
	8.	Source of water	
	9.	Cooking status	
	10.	Livestock	
	11.	Technology	
	12.	Land utilization pattern	
	13.	Government schemes	
CHAPTER-5		**Obervation**	**41**
CHAPTER-6		**Conclusion**	**42**
CHAPTER-7		**Needs of the Village**	**43**

FOREST ATTACHMENT REPORT

Submitted for partial fulfillment of requirement of the Bachelor of Science Degree in Forestry

(Session 2023-24)

Under the Supervision of:

Dr. S.C. Tiwari

Dean,School of Natural Resources

Department of Forestry,
Wildlife & Environmental Sciences
GGV, Bilaspur (C.G.)

Submitted By:

Abhishek Bhoy

B.Sc. Forestry 8th Semester
Enroll. No. GGV/20/06505
Roll No. 20007005

CERTIFICATE

This is to certify that the forest operation work experience report entitled: ***"FOREST ATTACHMENT RAIGARH FOREST DIVISION"*** submitted for the partial fulfillment of *Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been* carried out by ***Abhishek Bhoy B.Sc. Forestry VIII Semester*** *Student (Roll no. 20007005)* under my supervision.

I wish him all the success in his future academic endeavours.

SUPERVISOR 06/05/24

Dr. S. C. Tiwari

Professor, Department of forestry,
Wildlife & Environmental sciences

CONTENT:

CHAPTER 1 *8-12*

- CG Forest Department Introduction
- Forest of Chhattisgarh
- Forest Administration
- Administrative classification
- Aim of administration
- Types of forest

CHAPTER 2 *13-22*

- Types of Nursery
- Advantage of Raising Seedling in a Nursery
- Site Selection for Nursery
- Nursery layout
- Preparation of Nursery beds
- Types of Nursery beds
- Preparation of media for propagation
- Study site: - Hi-tech Nursery
- Plant species in nursery
- Major activities performed in nursery

CHAPTER 3 *23-30*

- Working Plan for the selection -cum -Improvement working circle Raigarh
- Bamboo Rehabilitation working circle
- Watershed project in Raigarh district
- Non – timber forest produces and management

CHAPTER 4 *31-34*

- Coupe felling area & Working Circle
- Introductions

- Procedure of felling trees in coupes
- Felling and logging

CHAPTER 5 *35-44*

- Introduction
- Management of forest depot
- Rot
- Forest wood depot
- Auctioning process
- Casting
- Major species found in Kota wood depot
- Physical verification

CHAPTER 6 *45*

- Conclusion

CHAPTER 7 *46*

- Reference

TRAINING REPORT

ON

INDUSTRIAL TRAINING

(INDUSTRIAL TRAINING)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR DEGREE OF SCIENCE IN FORETRY

Session : 2023-24

UNDER THE SUPERVISION OF:

Dr. S.C. Tiwari

Dean, School of Natural Resources

Department of Forestry, Wildlife & Environmental Sciences

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Abhishek Bhoy

B.Sc. Forestry (8th Semester)
Enroll. No.GGV/20/06505
Roll No. 20007005

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

Department of Forestry, Wildlife & Environmental Science Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that **"TRAINING REPORT ON INDUSTRIAL TRAINING"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Abhishek Bhoy student of B.Sc. Forestry, 8th Semester (Enrollment No. GGV/20/06505)** under my guidance.

I wish him all the success in his future academic endeavours.

Dr. S.C. Tiwari
Professor
Department of Forestry, Wildlife & Environmental Sciences
GGV, Bilaspur, (C.G.)

26/05/24

CONTENTS

CHAPTER -1		**Bamboo**	**1-10**
	1.1	Importance of bamboo art	
	1.2	Objective of the bamboo art	
	1.3	Processing of bamboo art	
	1.4	Tools use in bamboo art	
	1.5	Bamboo crafts made by students	
	1.6	Wood based novel products	
	1.7	Wood based crafts	
	1.8	Wood crafts species.	
	1.9	Wood crafts	
CHAPTER - 2		**Mushroom Production**	**5-23**
	2.1	Introduction	
	2.2	Important of Mushroom	
	2.3	Structure of Mushroom	
	2.4	Life cycle of Mushroom	
	2.5	Types of Edible Mushroom	
	2.6	Production of Mushroom	
	2.7	Marketing of mushroom	
	2.8	Mushroom waste management	
CHAPTER - 3		**Conclusion**	**24**
CHAPTER - 4		**Reference**	**25**

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHSIDAS VISHWAVIDAYALYA, KONI, BILASPUR, CHATTISGARH

(central university)

A

REPORT

ON

"SOCIO ECONONOMIC SURVEY-TOWN KHONGAPANI"

SUBMITTED FOR PARCTICAL OF FULLFILMENT OF REQUIRMENT FOR THE DEGREE OF BACHELORS OF SCIENCE INFORESTRY

ACADEMIC SESSION:2023-24

UNDER THE SUPERVISION OF:

DR. S.S. DHURIA

(PROFESSOR)

DEPARTMENT OF FORESTRY

SUBBMITTED BY:

AMAN KUMAR TRIPATHI

ROLL NO.2007007

ENROLL. NO.-GGV/30/06507

GURU GHASIDAS VISWAVIDYALAYA BILASPUR (C.G.)

(A central university established under central universities Act 2009, no.25 of 2009)

CERTIFICATE

I have great pleasure in certifying that Mr. Aman Kumar Tripathi, S/O Mr. Rajeev kumar Tripathi is a regular student of B.Sc. forestry 8th semester during the session 2023-24 of department of forestry, wildlife & Environmental sciences. He had completed this survey entitled " socio economic survey of Khongapani " during this semester under my guidance.

I wish him all the success in his acadimics.

Date:

Supervisor:

Dr. S.S. Dhuria

Department of Forestry, Wildlife

& Environmental sciences

CONTENTS

CHAPTER - 1
INTRODUCTION Page: 6-11

- o Socio-Economic Survey
- o Definition
- o Importance of Socio-Economic survey
- o Socio-Economic assessment
- o Aim of the survey o Objectives of survey
- o Methodology adopted for survey

CHAPTER - 2
VILLAGE PORTRAIT Page: 12-15

- o General profile of the village
- o Map of the village
- o Village infrastructures

CHAPTER - 3
DEMOGRAPHIC PROFILE Page: 16-27

- o Population Status
- o Social Anatomy
- o Sex Ratio
- o Literacy Rate
- o Level of Education
- o Age of the Village
- o Household Pattern
- o Sanitation Status
- o Drainage Status
- o Compost Pit Status
- o Status of Water Source
- o Source of Energy (Lighting and Cooking)
- o Agricultural Practices

CHAPTER - 4 AWARENESS PROGRAM Page: 28-30
CHAPTER - 5 PROBLEMS Page: 30
CHAPTER - 6 SUGESSTIONS Page: 31
CHAPTER - 7 CONCLUSION Page: 32-33
CHAPTER - 8 REFERENCE Page: 34

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A REPORT ON
FOREST ATTACHMENT IN MARWAHI FOREST DIVISION

GPM (C.G.)

PIN- 495118

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORESTRY

SESSION-2023-24

UNDER THE SUPERVISION OF:

Prof. S.S. Dhuria

School of Natural Resource

Department of Forestry, Wildlife& Environmental Sciences

GGV, Bilaspur, (C.G.)

SUBMITTEDBY:

Aman Kumar Tripathi

B.Sc. Forestry 8thSemester

Enroll. No. GGV/20/06507

Roll No. 20007007

Department of Forestry, Wildlife & Environmental Sciences

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment under Central University Act 2009, No.25 of 2009)

Department of Forestry, Wildlife & Environmental Sciences

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: **"FOREST ATTACHMENT OF MARWAHI FOREST DIVISION, GPM, CHHATTISGARH"** submitted for the partial fulfillment of the Degree of **Bachelor of Science in Forestry to the Department of Forestry, Wildlife and Environmental sciences, GURU GHASHIDAS VISHWAVIDYLAYA, BILASPUR (C.G)** has been carried out by **Abbas Ali** of **B.Sc. FORESTRY 8th Semester, Roll No: 20007007** under my guidance and supervision.

I Wish him all the success in his future academic endeavors.

Under Supervision
Prof. S.S. Dhuria
Dean School of Natural Resource,
Department of Forestry Wildlife and
Environmental Sciences,
Guru Ghasidas Vishwavidyalaya,
Bilaspur

CONTENT

S.NO.	TOPIC	PAGE NO.
Chapter 01	INTRODUCTION	2 – 5
Chapter 02	APICULTUREHONEY PRODUCTION	5 -10
Chapter 03	REGIONALGEOGRAPHIC CENTER	10 - 14
Chapter04	WORKING PLANOF FOREST	13 - 14
Chapter05	WOOD DEPOT	15 - 22
Chapter06	NYRSERYMANAGEMENT	23 - 25
Chapter07	ACHANAKMARTIGER RESERVE	26 -30
Chapter08	CONCLUSION	29
Chapter09	REFERENCE	30

A REPORT ON
FOREST INSTITUTE & INDUSTRIAL TRANING BIASPUR, CHATTISHGARH

(INDUSTRIAL SURVEY REPORT)

Submitted for Partial Fulfillment of Requirement for the degree the Bachelor of Science
In
Forestry

2021-2024

Under the Supervision of:

Dr. Ss Dhuria (**Professor**)

Department of Forestry,
Wildlife and Environ. Sciences
GGV, Bilaspur.

Submitted By:

Aman Kumar Tripathi

B.Sc. Forestry 8th Sem.
Roll No. 20007007
Enroll. No. GGV/20/06507

DEPARTMENT OF FORESTRY WILDLIFE AND ENVIRO. SCIENCE
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR
(C.G.)

Department of Forestry, Wildlife & Environmental Science

Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that the forest institute and industrial training visit report entitled: "Training report on Forest Institute and Industrial training" submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Mr. Aman Kumar Tripathi of B.Sc. Forestry, 8th Semester (Enrolments No. GGV/20/06507)** under my guidance and supervision.
I wish her all the success in her future academic endeavors.

Dr. SS. Dhuria (Professor)
Department of Forestry,
Wildlife &
Environmental Science
GGV, Bilaspur, (C.G.)

VILLAGE ATTACHMENT REPORT

SUBMITTED FOR PARTIAL FULFILLMENT OF
THE DEGREE OF
BACHELOR OF SCIENCE
IN
FORESTRY

(Session: 2023-2024)

REPORT ON SOCIO-ECONOMIC SURVEY OF DAUKAPA VILLAGE, MUNGELI, CHHATTISGARH

Submitted To-
Dr. S.S DHURIA
Professor
Department of Forestry, Wildlife and Environmental Science

Submitted By-
ANISHA TIRKEY
Roll No.- 20007008
Enrollment No.
GGV/20/06508

Department of Forestry, Wildlife and Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(A central university established under Central Universities Act 2009, No. 25 of 2009)

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(A central university established under Central Universities Act 2009, No. 25 of 2009)

CERTIFICATE

I have great pleasure in certifying that ***Miss ANISHA TIRKEY D/o Mr. J. S TIRKEY*** *is a regular student of B.Sc. Forestry VIII Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed village attachment training entitled* ***"REPORT ON SOCIO-ECONOMIC SURVEY OF DAUKAPA VILLAGE, MUNGELI, CHHATTISGARH"*** *during this semester under my guidance.*

I wish her all the success in her academics.

Dr. S.S DHURIA
Professor
Department of Forestry, Wildlife and Environmental Science.

CONTENTS

CHAPTER-1		**Introduction**	**1-3**
	1.1	Socio-Economic Survey	
	1.2	Definition	
	1.3	Importance of socio-economic survey	
	1.4	Socio-Economic assessment	
	1.5	Aim of the survey	
	1.6	Objective of the survey	
CHAPTER-2		**Methodology**	**4-7**
		Methodology adopted for survey	
	2.1	Selection of the area	
	2.2	Developing baseline conditions	
	2.3	Designing a questionnaire form	
	2.4	Data collection from Primary source	
	2.5	Data collection from Secondary Source	
	2.6	Data entry and verification	
	2.7	Data analysis and representation	
CHAPTER-3		**Village Profile**	**8-27**
	3.1	General profile of the village	
	3.2	Map of village	
	3.3	Village infrastructure	
CHAPTER-4		**Demographic Profile**	**28-39**
	4.1	Demographic and resource data of Village	
	1.	Population status	
	2.	Social anatomy	
	3.	Poverty status	
	4.	Housing pattern	
	5.	Educational status	
	6.	Literacy rate	
	7.	Occupation and employment	
	8.	Source of water	
	9.	Cooking status	
	10.	Livestock	
	11.	Technology	
	12.	Land utilization pattern	
	13.	Government schemes	
CHAPTER-5		**Obervation**	**40**
CHAPTER-6		**Conclusion**	**41**
CHAPTER-7		**Needs of the village**	**42**
CHAPTER - 8		**Reference**	**43**

FOREST TRAINING REPORT
(ATTACHMENT WITH STATE FOREST DEPARTMENT)

(Session- 2023-24)

SUBMITTED FOR PARTIAL FULFILLMENT FOR THE REQUIREMENT OF BACHELOR DEGREE IN FORESTRY

Submitted To-
Dr. S S DHURIA
Professor
Department of Forestry,
Wildlife and Environmental Sciences

Submitted By-
ANISHA TIRKEY
B.Sc. Forestry VIII Semester
Roll No- 20007008
Enrollment No-GGV/20/06508

Department of Forestry, Wildlife and Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(A central university established under Central Universities Act 2009, No. 2009)

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G)
(A central university established under Central Universities Act 2009, No. 25 of 2009)

CERTIFICATE

I have great pleasure in certifying that ***Mr. ANISHA TIRKEY D/o Mr. J.S TIRKEY*** *is a regular student B.Sc. Forestry VIII Semester during the session of 2023-2024 of Department of Forestry, Wildlife and Environmental Sciences,*
GGU, Bilaspur. She has completed this forest attachment training entitled
"Training report on Field Training (Attachment with State Forest Department)" *during this semester under my guidance.*

I wish her all the success in her academics.

Dr. S.S DHURIA
Professor
Department Of Forestry,
Wildlife And Environmental Sciences.

INDEX

S.No	Topic	Page No.
1. 1.1 1.2 1.3 1.4 1.5	❖ Introduction to Chhattisgarh Forest Department: - Attachment with state forest department • Types of forest • Objectives • Forest administration • Administrative classification • Aims of forest administration	8-13
2. 2.1 2.2 2.3 2.4 2.5 2.6	❖ Selection Cum Improvement Management Circle (SCI) coupe felling:- • Selction Management • Improvement Mangaement • Principle of SCI • Benefits of SCI • Advantage of coupe felling • Procedure of coupe felling	14-18
3. 3.1 3.2 3.3s	❖ Assisted Natural regeneration:- • Advantages • Disadvantages • Procedure of ANR	19-24
4. 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.8 4.9	❖ Forest Working Plan:- • Why there is need of working plan • Objectives of working plan • Scope of working plan • Formulation of working plan • Annual plan of operation • Formation of working plan • Field work for working plan formulation • Forest Organization • Management classification	25-32

TRAINING REPORT
ON
FIELD TRAINING
(INDUSTRIAL TRAINING)

(Session: 2023-24)

SUBMITTED FOR PARTIAL FULFILLMENT FOR THE REQUIREMENT OF BACHELOR DEGREE IN FORESTRY

Submitted To-
Dr. S.S DHURIA
Professor
Department Of Forestry, WildlifeAnd Environmental Science

Submitted By-
ANISHA TIRKEY
B.Sc Forestry VIII
Roll No- 20007008
Enrollment No-
GGV/20/06508

Department of Forestry, Wildlife and Environment
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(A central university established under Central Universities Act 2009, No. 25 of 2009)

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(A central university established under Central Universities Act 2009, No. 25 of 2009)

CERTIFICATE

I have great pleasure in certifying that ***Ms. ANISHA TIRKEY d/o Mr. J.S TIRKEY*** *is a regular student B.Sc Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed this Industrial training entitled* ***"Training report on Field Training (Industrial Training)"*** *during this semester under my guidance.*

I wish her all the success in her academics.

Dr. S.S DHURIA
PROFESSOR
Department of Forestry, Wildlife and Environmental Science

Index

S.NO.	TOPIC	PAGE NO.
1	CHAPTER 1: INTRODUCTION	6
2	CHAPTER 2: DEFINITIONS	7
3	CHAPTER 3: BAMBOO AND WOOD CRAFT	8-14
4	CHAPTER 4: MUSHROOM TRAINING	15-24
5	Conclusion	25
6	Reference	26

Cover Page

DISSERTATION

On

Potential of sericulture for Gender development: A case study of Bilaspur, Chhattisgarh, India

Submitted For the Partial Fulfillment of the Requirement for the Master Degree of Science in Forestry and Environmental Science

(Academic Session – 2022-23)

(Forest Management)

Under Guidance:

Prof. K.K Chandra

Head of Department

(Department of Forestry, Wildlife & Environmental Science)

Submitted by:

Ankit Kumar

GGV/21/6703

M.Sc-4th semester

(Department of Forestry, Wildlife & Environmental Science)

GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)

(A Central University Established Under Central University Act 2009, No.25 of 2009)

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

(A central University established under Central Universities Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that this report entitled "**Potential of sericulture for gender development: A case study of Bilaspur, Chhattisgarh India**". Submitted by Mr. Ankit Kumar in partial fulfillment of the requirement for the award of the degree of Master of Science in (Forestry and Environmental Science) under Guru Ghasidas Vishavidyalaya Bilaspur Chhattisgarh, is the outcome of an original research work carried out by her under my supervision. The work has been carried out in Department of Forestry & Environmental Sciences and the results embodied in this report is original and have not been previously submitted either in part or full to any other institution, for the award of any degree or diploma.

I wish him all success in his future endeavors.

Supervisor

Prof. K.K Chandra
(Head of Department)
Forestry, Wildlife and
Environmental Science
Guru Ghasidas Vishwavidyalaya,
Bilaspur
C.G.

Department of Forestry
Guru Ghasi Das University
BILASPUR (C.G.)

CONTENTS

CHAPTER -01	
1.1 Introduction	01
1.2 Raw silk production	02
1.3 Sericulture Map of India	03
1.4 Sericulture in Chhattisgarh	04
1.5 Sericulture in Bilaspur	05
1.6 Women involvement in sericulture	06
1.7 Aims & Objective	07
CHAPTER-02	
2.1 Literature Review	08-10
CHAPTER-03	
3.1 Methodology	11
3.2 Study Area	12
CHAPTER-04	
4.1 Result & Discussion	13-24
CHAPTER-05	
5.1 Conclusion	25
a. References	26
b. List of abbreviations	27
c. Glossary	28
c. Appendix.1 photograph	29-30

Report

On

Attachment with state Forest Department for analysis of Forest Management & Management Techniques

Submitted For the Partial Fulfillment of the Requirement for the Master Degree of Science in Forestry and Environmental Sciences

(Academic Session – 2021-23)

(Forest Management)

Under guidance:

Prof. K.K Chandra

Head of Department

(Department of Forestry, Wildlife & Environmental Science)

Submitted by:

Ankit Kumar

GGV/21/6703

M.Sc-4th semester

(Department of Forestry, Wildlife & Environmental Sciences)

GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)

(A Central University Established Under Central University Act 2009, No.25 of 2009)

CONTENTS

CHAPTER -01	
1.1 Introduction	10
1.2 About forest Attachment	12
1.3 Activity in forest attachment	13-14
CHAPTER-02	
2.1 Gothan	15-19
2.2 Narwa	20-21
2.3 Assisted Natural Regeneration	21-25
CHAPTER-03	
3.1 Van Dhan Vikas Kendra	26-27
3.2 Fuel wood depot	28-29
3.3 Forest Nursery	29-31
3.4 Grid point	
CHAPTER-04	
4.1 Lemon Grass Extraction plant	18-34
4.2 Medicinal Plant Visit	
4.3 Elephant Trekking	
CHAPTER-05	
5.1 Historical Maniram Plantation	35
5.2 Joint Forest Management(JFM)	36
CHAPTER-06	
6.1 Conclusion	

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

A central university established under Central Universities Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that this report entitled " **Attachment with state Forest Department for analysis of Forest Management & Management Techniques**" Submitted by Mr. Ankit Kumar in partial fulfillment of the requirement for the award of the degree of Master of Science in (Forestry and Environmental Sciences) under Guru Ghasidas Vishavidyalaya Bilaspur Chhattisgarh, is the outcome of an original research work carried out by her under my supervision. The work has been carried out in Department of Forestry & Environmental Sciences and the results embodied in this report is original and have not been previously submitted either in part or full to any other institution for the award of any degree or diploma.

I wish him all success in his future endeavors.

Department of Forestry
Guru Ghasi Das University
Bilaspur (C.G.) 495009

(Supervisor)

Prof. K.K Chandra
(Head of Department)
Forestry Wildlife and Environmental Science
Guru Ghasidas Vishwavidyalaya, Bilaspur
C.G.

Report

On

Computational skill & Information and Communications Technology (ICT)

Submitted For the Partial Fulfillment of the Requirement for the Master Degree of Science in Forestry and Environmental Science

(Academic Session – 2022-23)

(Forest Management)

Under Guidance:

Prof. K.K Chandra

Head of Department

(Department of Forestry, Wildlife & Environmental Science)

Submitted by:

Ankit Kumar

GGV/21/6703

M.Sc-4th semester

(Department of Forestry, Wildlife & Environmental Science)

GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)

(A Central University Established Under Central University Act 2009, No.25 of 2009)

Contents

CHAPTER -01	
1.1 Introduction	01
1.2 ICT	02
1.3 Computer	03
1.4 internal parts of computer	04-06
CHAPTER-02	
2.1 Microsoft office	07-12
CHAPTER-03	
Computer Science in Natural Resource Management	13-16
CHAPTER-04	
Computer Fundamental	17-20
CHAPTER-05	
JAVA & its Application	21-23
CHAPTER-06	
Role of RS & GIS , Chat GPT	24-34
CHAPTER-07	
Conclusion	35

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

(A central University established under Central Universities Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that this report entitled "**Computational skill & Information and communications technology(ICT)**". Submitted by Mr. Ankit Kumar in partial fulfillment of the requirement for the award of the degree of Master of Science in (Forestry and Environmental Science) under Guru Ghasidas Vishavidyalaya Bilaspur Chhattisgarh, is the outcome of an original research work carried out by her under my supervision. The work has been carried out in Department of Forestry & Environmental Sciences and the results embodied in this report is original and have not been previously submitted either in part or full to any other institution, for the award of any degree or diploma.

I wish him all success in his future endeavors.

Supervisor

Prof. K K Chandra
(Head of Department)
Forestry, Wildlife and
Environmental Science
Guru Ghasidas Vishwavidyalaya,
Bilaspur

Department of Forestry
Guru Ghasi Das University
BILASPUR

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

(A central university established under Central Universities Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that this report entitled "**Industrial Attachment Report** ". Submitted by Mr. Ankit Kumar in partial fulfillment of the requirement for the award of the degree of Master of Science in (Forestry and Environmental Science) under Guru Ghasidas Vishavidyalaya Bilaspur Chhattisgarh, is the outcome of an original research work carried out by her under my supervision. The work has been carried out in Department of Forestry & Environmental Sciences and the results embodied in this report is original and have not been previously submitted either in part or full to any other institution, for the award of any degree or diploma.

I wish him all success in his future endeavors.

30/7/23

(Supervisor)
Prof. K.K Chandra
(Head of Department)
Forestry Wildlife and
Environmental Science
Guru Ghasidas
Vishwavidyalaya, Bilaspur

Department of Forestry
Guru Ghasi Das University
BILASPUR (M.P.) 495009

Report

On

Industrial Attachment

Submitted For the Partial Fulfillment Of The Requirement For The Master Degree Of Science In Forestry And Environmental Science

(Academic Session – 2022-23)

(Forest Management)

Under guidance:

Prof. K.K Chandra

Head of Department

(Department of Forestry, Wildlife & Environmental Science)

Submitted by:

Ankit Kumar

GGV/21/6783

M.sc-4th semester

CHAPTER -01	
1.1 Introduction	06
1.2 History	07
1.3 Benefit of sericulture	08-09
1.4 Distribution	10
1.5 Sericulture Industries in India	11
1.6 Trends in Indian sericulture	12
1.7 silk production in Chhattisgarh	13
1.8 wild silk of India	13-14
CHAPTER-02	
2.1 Classification	15-16
2.2 Life cycle	17
CHAPTER-03	
3.1 Biotechnological intervention	18-19
CHAPTER-04	
4.1 Host plant cultivation	20-27
4.2 Plant protection	28-29
CHAPTER-05	
5.1 Silkworm Rearing	30-31
5.2 Reeling process	32-33

TRAINING REPORT ON FIELD TRAINING

(VILLAGE SURVEY REPORT)

(A Training Report on Socio-economics Survey)
Submitted for partial fulfillment of requirement for the degree 'The Bachelor of science' in forestry

SESSION 2023-24

Under the supervision of:
Dr.S.S.Dhuria
Professor,
Department of Forestry, Wildlife And Environmental Science

Submitted by:
Ankita Shukla
Bsc.Forestry8th sem.
Roll no. 20007009
Enrollment no.:GGV/20/06509

Department of forestry, wildlife and Environmental Sciences

Guru Ghasidas Vishwavidyalaya, Bilaspur(C.G)

(A central university established under Universities Act2009, No.25 of 2009)

Guru Ghasidas Vishwavidyalaya, Bilaspur(C.G)

(A central university established under Universities Act2009,No.25of 2009)

CERTIFICATE

I have a great pleasure in certifying that ***Ms.ANKITA SHUKLA*** *d/o* ***Mr. CHETAN SHUKLA*** *is a regular student of B.Sc. Forestry 8th Semester during the session of 2023 -24 of Department of Forestry , wildlife and Environmental Sciences, GGU, Bilaspur. He has completed this forest attachment training entitled* ***"Training report on Field Training (Socio-Economics Survey Report of Village Amne)"*** *during this semester under my guidance.*

I wish her all the success in her academics.

Dr.S.S.DHURIA

Professor

Department of forestry, wildlife

and Environmental Science (GGV)

CONTENT

S.NO	TITLE	PAGE NO.
1.	Introduction	1-3
2.	Methodology	4-6
3.	Village profile	7-20
4.	Growth performance of silkworm	21-25
5.	Problems	26
6.	Suggestions	27
7.	Conclusion	28
8.	References	30

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

TRAINING REPORT ON FIELD TRAINING

(ATTACHMENT WITH STATE FOREST DEPARTMENT)

(A Forest Attachment Report)
Submitted for partial fulfillment of requirement for the degree 'The Bachelor of science' in forestry

SESSION 2023-24

Under the supervision of:
Dr.S.S.Dhuria
Professor,
Department of Forestry, Wildlife
And Environmental Science

Submitted by:
Ankita Shukla
Bsc.Forestry8th sem.
Roll no. 20007009
Enrollment no.:GGV/20/06>09

Department of forestry, wildlife and Environmental Sciences

Guru Ghasidas Vishwavidyalaya, Bilaspur(C.G)

(A central university established under Universities Act2009,
No.25 of 2009)

Guru Ghasidas Vishwavidyalaya, Bilaspur(C.G)

(A central university established under Universities Act2009,No.25of 2009)

CERTIFICATE

I have a great pleasure in certifying that ***Ms.ANKITA SHUKLA*** *d/o* ***Mr. CHETAN SHUKLA*** *is a regular student of B.Sc.Forestry 8th Semester during the session of 2023 -24 of Department of Forestry , wildlife and Environmental Sciences, GGU, Bilaspur. He has completed this forest attachment training entitled* ***"Training report on Field Training (Attachment with State Forest Department)"*** *during this semester under my guidance.*

I wish her all the success in her academics.

Dr.S.S.DHURIA

Professor

Department of forestry, wildlife

and Environmental Science(GGV)

INDEX

S.No.	Chapter	Page No.
1.	Introduction (attachment to state forest department)	2-5
2.	Forest Working Plan	6-12
3.	Wood Depot	13-20
4.	Nursery Management	21-23
5.	Biodiversity Study	24-27
6.	Sanjivani	28-29
7.	NARWA & CAMPA Project	30-34
8.	Regional Geographic Centre	35-37
9.	Human-Wildlife Conflict	38-42
10.	Sal Plantation And Defoliator Insect	43-47
11.	Ecotourism	48-51
12.	Conclusion	52

TRAINING REPORT ON FIELD TRAINING

(FOREST INSTITUTION AND INDUSTRIAL TRAINING)

(A Training Report on Forest Institution and Industrial Training)
Submitted for partial fulfillment of requirement
for the degree 'The Bachelor of science' in
forestry

SESSION 2023-24

Under the supervision of:
Dr.S.S.Dhuria
Professor,
Department of Forestry, Wildlife
And Environmental Science

Submitted by:
Ankita Shukla
Bsc.Forestry8th sem.
Roll no. 20007009
Enrollment no.:GGV/20/06509

Department of forestry, wildlife and Environmental Sciences

Guru Ghasidas Vishwavidyalaya, Bilaspur(C.G)

(A central university established under Universities Act2009,
No.25 of 2009)

Guru Ghasidas Vishwavidyalaya, Bilaspur(C.G)

(A central university established under Universities Act2009,No.25of 2009)

CERTIFICATE

I have a great pleasure in certifying that ***Ms.ANKITA SHUKLA*** *d/o* ***Mr. CHETAN SHUKLA*** *is a regular student of B.Sc. Forestry 8th Semester during the session of 2023 -24 of Department of Forestry , wildlife and Environmental Sciences, GGU, Bilaspur. He has completed this forest attachment training entitled* ***"Training report on Field Training (Forest institution and industrial training report)"*** *during this semester under my guidance.*

I wish her all the success in her academics.

Dr.S.S.DHURIA

Professor

Department of forestry, wildlife

and Environmental Science (GGV)

CONTENTS

- **CHAPTER -1 {INTRODUCTION}**
- **{Inauguration}**

Definition
Bamboo Art
Importance of Bamboo art
Objective of the Bamboo art
Processing of Bamboo art
Tools use in Bamboo art
Bamboo craft made by the students

{WOOD BASED NOVEL PRODUCTS}

Wood based craft
Wood craft species
Wood craft tools
Wood craft made by the students

- **CHAPTER -2{MUSHROOM PRODUCTION }**

Mushroom
Mushroom production and it's waste management
Economic importance of mushroom
Types of mushroom
Procedure
Pasteurization
Inoculation
Bagging and container preparation
Mushroom formation and harvesting

{WASTE MANAGEMENT}

Substrate recycling
Anaerobic digestion
Vermicomposting
Ecological treatment

{CONCLUSION}

SOCIO-ECONOMIC REPORT OF BAIMA VILLAGE BILASPUR, CHHATTISGARH

Submitted for partial fulfilment for requirement of the

Bachelor of Science

In

FORESTRY

SESSION:-2023-24

Under the Supervision of

Dr. S.S. DHURIA
Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidylaya
Bilaspur(C.G.)

Submitted By

ARYA TIWARI
B.Sc. Forestry 8th Semester
Roll No. 20007011
Enroll No. GGV/20/06511

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCE
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

I have great pleasure in certifying that **Miss ARYA TIWARI** D/o Mr. Rajneesh Tiwari is a regular student of B.Sc. Forestry VIII Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed this training entitled "**Training report on Socio-economic survey of Baima village**" during this semester under my guidance.

I wish her all the success in her academics.

Dr. S.S. DHURIA
Professor
Department of Forestry, Wildlife and Environmental Sciences
Guru Ghasidas Vishwavidylaya
Bilaspur (C.G.)

CONTENTS

S. NO.	TOPICS	PAGE NO.
1.	Introduction	1-6
2.	Village profile	7-12
3.	Demographic profile of Baima village	13-23
4.	Awareness program	24-26
5.	Problems	27
6.	Suggestions	28
7.	Conclusion	29
8.	Reference	30

FOREST ATTACHMENT REPORT

Submitted for partial fulfilment for requirement of the

Bachelor of Science

In

FORESTRY

SESSION:-2023-24

Under the Supervision of

Dr. S.S. DHURIA
Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidylaya
Bilaspur(C.G.)

Submitted By

ARYA TIWARI
B.Sc. Forestry 8th Semester
Roll No. 20007011
Enroll No. GGV/20/06511

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that **Miss ARYA TIWARI** d/o Mr. Rajneesh Tiwari is a regular student of B.Sc. Forestry VIII Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed this training entitled "**Training report on Field Training**" **(Attachment with State Forest Department)** during this semester under my guidance.

I wish her all the success in her academics.

Dr. S.S. DHURIA
Professor
Department of Forestry, Wildlife and Environmental Sciences
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.)

CONTENTS

S.NO.	TOPICS	PAGE NO.
1	INTRODUCTION	2-5
2	VISIT TO DIFFERENT COUPES DEMARCATION SURVEY	6-8
3	WOOD DEPOT MANAGEMENT	9- 16
4	PLANTATION AND NURSERY MANAGEMENT	17-22
5	WATERSHED MANAGEMENT AND SOIL MOISTURE CONSERVATION	23-27
6	NON-TIMBER FOREST PRODUCES	28-31
7	WORKING PLAN	32-35
8	JOINT FOREST MANAGEMENT (JFM)	36-38
9	WILDLIFE MANAGEMENT	39-45
10	ECO-TOURISM	46-48
11	GEOMATICS	49-55
12	BAMBOO FOREST	56-59
13	CONCLUSION	60
14	REFRENCE	61

FOREST INDUSTRIAL AND INSTITUTE TRAINING REPORT

Submitted for partial fulfilment for requirement of the

Bachelor of Science

In

FORESTRY

SESSION:-2023-24

Under the Supervision of

Dr. S.S. DHURIA
Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidylaya
Bilaspur(C.G.)

Submitted By

ARYA TIWARI
B.Sc. Forestry 8th Semester
Roll No. 20007011
Enroll No. GGV/20/06511

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCE
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

I have great pleasure in certifying that **Miss ARYA TIWARI** D/o Mr. Rajneesh Tiwari is a regular student of B.Sc. Forestry VIII Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed this training entitled "**Report on Forest industrial and institute training**" during this semester under my guidance.

I wish her all the success in her academics.

Dr. S.S. DHURIA
Professor
Department of Forestry, Wildlife and Environmental Sciences
Guru Ghasidas Vishwavidylaya
Bilaspur (C.G.)

CONTENTS

S. NO.	TOPICS	PAGE NO.
1.	Workshop on Bamboo arts and wood based novel products	1-7
2.	Training on mushroom production and its waste management	8-33
3.	Conclusion	34

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

Department of Forestry, Wildlife & Environmental Sciences

GURUGHASIDASVISHWAVIDYALAYABILASPUR(C.G.)

(A Central University Establishment Under Central University Act 2009,No.25 of 2009)

CERTIFICATE

This is to certify that the Report entitled: **"SOCIO – ECONOMIC SURVEY OF VILLAGE – KOSMANDA BHATAPARA CHHATTISHGARH"** submitted for the partial fulfillment of the Degree of **Bachelor Of Science in Forestry to the Department of Forestry , Wildlife And Environmental science , GURU GHASHIDAS VISHWAVIDYLAYA , BILASPUR (C.G)** has been carried out by **Avdhesh Verma** Of **B.Sc. FORESTRY 8th Semester , Roll No : 20007012** under my guidance and supervision .

I Wish him all the success in his future academic endeavors .

UNDER SUPERVISION:
Dr. S .S. Dhuria
Professor
Department of Forestry
Wildlife & Environmental Sciences

CONTENTS

CHAPTER-1		Introduction	1-3
	❖	Socioeconomic Survey	
	❖	Definition	
	❖	Importance of socioeconomic survey	
	❖	Socioeconomic assessment	
	❖	Aim of the survey	
	❖	Objective of the survey	
CHAPTER-2		Methodology	4-7
		Methodology adopted for survey	
	❖	Selection of the area	
	❖	Developing base line conditions	
	❖	Designing a questionnaire form	
	❖	Data collection from Primary source	
	❖	Data collection from Secondary Source	
	❖	Data entry and verification	
	❖	Data analysis and representation	
CHAPTER-3		Village Profile	8-10
	❖	General profile of the village	
	❖	Map of village	
	❖	Village infrastructure	
CHAPTER-4		Demographic Profile	11-18
	❖	Demographic and resource data of Village	
	❖	Population status	
	❖	Accessibility	
	❖	Education Facilities	
	❖	Housing pattern	
	❖	Health Facilities	
	❖	Occupation and employment	
	❖	Drinking source	
	❖	Cooking status	
	❖	Drainage status	
	❖	Poverty status	
	❖	Livestock	
CHAPTER-5		Agriculture sector profile	19-20
CHAPTER-6		Schemes in village	21
CHAPTER-7		Social impact of COVID-19 in village	22
CHAPTER-8		Problems and suggestion	23
CHAPTER-9		Conclusion	24

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A REPORT ON

FOREST ATTACHMENT IN MARWAHI FOREST DEVISION

GAORELA PENDRA MARWAHI, (C.G.)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE

BACHELOR OF SCIENCE IN FORETRY

SESSION-2023-24

UNDER THE SUPERVISION OF:

Dr. S.S. Dhuria

Professor

Department of Forestry, Wildlife& Environmental Science

GGV,Bilaspur, (C.G.)

SUBMITTEDBY:

Avdhesh Verma

B.Sc.Forestry8thSemester
Enroll.No.GGV/20/06512

Roll No. 20007012

Department of Forestry, Wildlife & Environmental Sciences

GURUGHASIDASVISHWAVIDYALAYABILASPUR(C.G.)

(A Central University Establishment Under Central University Act 2009,No.25 of 2009)

Department of Forestry, Wildlife & Environmental Sciences

GURUGHASIDASVISHWAVIDYALAYABILASPUR(C.G.)

(A Central University Establishment Under Central University Act 2009,No.25 of 2009)

CERTIFICATE

This is to certify that the Report entitled: **"FOREST ATTACHMENT OF MARWAHI FOREST DIVISION, GPM, CHHATTISGARH"** submitted for the partial fulfillment of the Degree of **Bachelor Of Science in Forestry to the Department of Forestry , Wildlife And Environmental science , GURU GHASHIDAS VISHWAVIDYLAYA , BILASPUR (C.G)** has been carried out by **Avdhesh Verma of B.Sc. FORESTRY 8th Semester , Roll No : 20007012** under my guidance and supervision .

I Wish him all the success in his future academic endeavors .

UNDER SUPERVISION:
Dr. S .S. Dhuria
Professor
Department of Forestry
Wildlife & Environmental Sciences

CONTENT

S.No.	Topic	Page No.
1.	CHAPTER 1: INTRODUCTION	1-2
2.	CHAPTER 2: BIRDS AND BUTTERFLIES (SIGHTING AND IDENTIFYING)	3-10
3.	CHAPTER 3: HI TECH NURSERY (VISIT AND PLANNING)	11-23
4.	CHAPTER 4: WATERSHED MANAGEMENT (STUDY, REPORT AND MANAGEMENT PLANNING)	24-29
5.	CHAPTER 5: SLOTH BEAR SIGHTING AND CAMERA TRAP	30-32
6.	CHAPTER 6: WOOD DEPORT	33-34
8.	CHAPTER 7: REFERENCE	35

TRAINING REPORT ON FOREST INDUSTRIAL AND INSTITUTIONAL TRAINING

SESSION: 2023-24

SUBMITTED FOR PARTIAL FULFILMENT
FOR THE REQUIREMENT OF
BACHELOR'S DEGREE IN FORESTRY

SUBMITTED TO:
Dr. S.S. Dhuria
Professor
Department of Forestry,
Wildlife and
Environmental Sciences

SUBMITTED BY:
Avdhesh Verma
B.Sc. Forestry 8th Semester
Roll No. 20007012
Enroll. No. GGV/20/06512

Department of Forestry, Wildlife and Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

(A central university established under Central Universities Act 2009, No. 25 of 2009)

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

(A central university established under Central Universities Act 2009, No. 25 of 2009)

CERTIFICATE

I have great pleasure in certifying that ***Mr.Avdhesh Verma*** *is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. He has completed this training Report entitled* ***"Forest Industrial and Institutional Training"****. during this semester under my guidance.*

I wish him all the success in his academics.

Under The Supervision

Prof. Dr. S.S. Dhuria

Department of Forestry, GGV, Bilaspur

CONTENTS

S.No.	TITLES	PAGE NO.
CHAPTER-1	**INTRODUCTION** ***Inaugration** Definition Bamboo Art Importance Of Bamboo Art Objective of The Bamboo Art Processing of Bamboo Art Tools Used In Bamboo Art Bamboo Craft Made By Students **WOOD BASED NOVEL PRODUCT** Wood Based Craft Wood Craft Species Wood Craft Tools Wood Craft Made By Students	6-12
CHAPTER-2	**MUSHROOM PRODUCTION** Mushroom Mushroom Production And its Weste Management Type of Mushroom Procedure Pasteurization Inoculation Bagging and Container Prepration Mushroom Formation And Harvesting *** WASTE MANAGEMENT** Subtrate Recycling Anaerobic Digestion Vermi Compost Ecological Treatment	13-20
CHAPTER-3	**CONCLUSION** **REFRENCE**	21-22

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

SOCIO-ECONOMIC SURVEY OF NIRTU VILLAGE IN BILASPUR, (C.G)

(VILLAGE ATTACHMENT)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

Session : 2023-24

UNDER THE SUPERVISION OF:

Dr. S.S.Dhuria

Professor

Department of Forestry, Wildlife & Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Chandan patel

B.Sc. Forestry 8th Semester

Enroll. No.GGV/20/06515

Roll No. 20007014

Department of Forestry, Wildlife & Environmental Science

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR C.G.

(A Central University Establishment Under Central University Act 2009, No.25 of 2009))

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR C.G.

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that Chandan Patel S/O Mr. Khageshwer Patel is a regular student of B.Sc. Forestry 8th semester during the session of 2023 – 24 of Department of Forestry Wildlife and Environmental sciences . He has completed field training entitled **"Socio – Economic Survey Report of a Village Nirtu"** training Under my guidance .

I wish him all success in his future academic endavours.

06/05/2024

UNDER SUPERVISION:

Dr. S . S . Dhuria
Professor
Department of Forestry
Wildlife & Environmental Sciences

CONTENTS

CHAPTER-1		**Introduction**	**1-3**
	1.1	Socio-Economic Survey	
	1.2	Definition	
	1.3	Importance of socio-economic survey	
	1.4	Socio-Economic assessment	
	1.5	Aim of the survey	
	1.6	Objective of the survey	
CHAPTER-2		**Methodology**	**4-7**
		Methodology adopted for survey	
	2.1	Selection of the area	
	2.2	Developing baseline conditions	
	2.3	Designing a questionnaire form	
	2.4	Data collection from Primary source	
	2.5	Data collection from Secondary Source	
	2.6	Data entry and verification	
	2.7	Data analysis and representation	
CHAPTER-3		**Village Profile**	**8-27**
	3.1	General profile of the village	
	3.2	Map of village	
	3.3	Village infrastructure	
CHAPTER-4		**Demographic Profile**	**28-39**
	4.1	Demographic and resource data of Village	
	1.	Population status	
	2.	Social anatomy	
	3.	Poverty status	
	4.	Housing pattern	
	5.	Educational status	
	6.	Literacy rate	
	7.	Occupation and employment	
	8.	Source of water	
	9.	Cooking status	
	10.	Livestock	
	11.	Technology	
	12.	Land utilization pattern	
	13.	Government schemes	
CHAPTER-5		**Obervation**	**40**
CHAPTER-6		**Conclusion**	**41**
CHAPTER-7		**Needs of the village**	**42**
CHAPTER - 8		**Reference**	**43**

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

FOREST ATTACHMENT REPORT

Submitted for partial fulfillment of requirement of the Bachelor of

Science

In Forestry

(Session 2023-24)

Under the Supervision of:

Dr. S.S.Dhuria

Professor

Department of Forestry,
Wildlife & Environmental Sciences
GGV, Bilaspur (C.G.)

Submitted By:

Chandan patel

B.Sc. Forestry 8th Semester
Enroll. No. GGV/20/06515
Roll No. 20007014

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

Date: 06/05/2024

This is to certify that the forest operation work experience report entitled: ***"FOREST ATTACHMENT RAIGARH FOREST DIVISION "*** submitted for the partial fulfillment of *Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been* carried out by ***Chandan Patel B.Sc. Forestry VIII Semester*** *Student (Roll no. 20007014)* under my supervision.

I wish him all the success in his future academic endeavours.

06/05/2024

SUPERVISION

Dr. S. S. Dhuria professor

Department of forestry,

Wildlife & Environmental sciences

CONTENT:

CHAPTER 1 — *8-12*

- CG Forest Department Introduction
- Forest of Chhattisgarh
- Forest Administration
- Administrative classification
- Aim of administration
- Types of forest

CHAPTER 2 — *13-22*

- Types of Nursery
- Advantage of Raising Seedling in a Nursery
- Site Selection for Nursery
- Nursery layout
- Preparation of Nursery beds
- Types of Nursery beds
- Preparation of media for propagation
- Study site: - Hi-tech Nursery
- Plant species in nursery
- Major activities performed in nursery

CHAPTER 3 — *23-30*

- Working Plan for the selection -cum -Improvement working circle Raigarh
- Bamboo Rehabilitation working circle
- Watershed project in Raigarh district
- Non – timber forest produces and managment

CHAPTER 4 — *31-34*

- Coup felling area & Working Circle
- Introductions

6

- Procedure of felling trees in coupes
- Felling and logging

CHAPTER 5 — *35-44*

- Introduction
- Management of forest depot
- Rot
- Forest wood depot
- Auctioning process
- Casting
- Major species found in Kota wood depot
- Physical verification

CHAPTER 6 — *45-46*

- Conclusion
- Reference

A TRAINING REPORT ON

INDUSTRIAL TRAINING, BALASPUR, (C.G)

(INDUSTRIAL TRAINING)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

Session : 2023-24

UNDER THE SUPERVISION OF:

Dr. S.S. Dhuria

Professor

Department of Forestry, Wildlife & Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Chandan Patel

B.Sc. Forestry 8th Semester

Enroll. No. GGV/20/06515

Roll No. 20007014

Department of Forestry, Wildlife & Environmental Science

Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: **"INDUSTRIAL TRAINING"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Chandan Patel Student of B.Sc. Forestry, 8th Semester (Enrollment No. GGV/20/06515)** under my guidance and supervision.

I wish him all the success in his future academic endeavors.

06/05/2024

Dr. S.S. Dhuria
Professor

Department of Forestry, Wildlife
& Environmental Science
GGV, Bilaspur, (C.G.)

CONTENTS

CHAPTER -1		**Bamboo**	**1-10**
	1.1	Importance of bamboo art	
	1.2	Objective of the bamboo art	
	1.3	Processing of bamboo art	
	1.4	Tools use in bamboo art	
	1.5	Bamboo crafts made by students	
	1.6	Wood based novel products	
	1.7	Wood based crafts	
	1.8	Wood crafts species.	
	1.9	Wood crafts	
CHAPTER - 2		**Mushroom Production**	**5-23**
	2.1	Introduction	
	2.2	Important of Mushroom	
	2.3	Structure of Mushroom	
	2.4	Life cycle of Mushroom	
	2.5	Types of Edible Mushroom	
	2.6	Production of Mushroom	
	2.7	Marketing of mushroom	
	2.8	Mushroom waste management	
CHAPTER - 3		**Conclusion**	**24**
CHAPTER - 4		**Reference**	**25**

SOCIO-ECONOMIC SURVEY OF NIRTU VILLAGE IN BILASPUR, (C.G)

(VILLAGE ATTACHMENT)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

Session : 2023-24

UNDER THE SUPERVISION OF:

Dr. S.S.Dhuria

Professor

Department of Forestry, Wildlife & Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Chandan patel

B.Sc. Forestry 8th Semester

Enroll. No.GGV/20/06515

Roll No. 20007014

Department of Forestry, Wildlife & Environmental Science

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR C.G.

(A Central University Establishment Under Central University Act 2009, No.25 of 2009))

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR C.G.

CERTIFICATE

I have great pleasure in certifying that Chandan Patel S/O Mr. Khageshwer Patel is a regular student of B.Sc. Forestry 8th semester during the session of 2023 – 24 of Department of Forestry Wildlife and Environmental sciences . He has completed field training entitled **"Socio – Economic Survey Report of a Village Nirtu"** training Under my guidance .

I wish him all success in his future academic endavours.

06/05/2024

UNDER SUPERVISION:

Dr. S . S . Dhuria
Professor
Department of Forestry
Wildlife & Environmental Sciences

CONTENTS

CHAPTER-1		**Introduction**	**1-3**
	1.1	Socio-Economic Survey	
	1.2	Definition	
	1.3	Importance of socio-economic survey	
	1.4	Socio-Economic assessment	
	1.5	Aim of the survey	
	1.6	Objective of the survey	
CHAPTER-2		**Methodology**	**4-7**
		Methodology adopted for survey	
	2.1	Selection of the area	
	2.2	Developing baseline conditions	
	2.3	Designing a questionnaire form	
	2.4	Data collection from Primary source	
	2.5	Data collection from Secondary Source	
	2.6	Data entry and verification	
	2.7	Data analysis and representation	
CHAPTER-3		**Village Profile**	**8-27**
	3.1	General profile of the village	
	3.2	Map of village	
	3.3	Village infrastructure	
CHAPTER-4		**Demographic Profile**	**28-39**
	4.1	Demographic and resource data of Village	
	1.	Population status	
	2.	Social anatomy	
	3.	Poverty status	
	4.	Housing pattern	
	5.	Educational status	
	6.	Literacy rate	
	7.	Occupation and employment	
	8.	Source of water	
	9.	Cooking status	
	10.	Livestock	
	11.	Technology	
	12.	Land utilization pattern	
	13.	Government schemes	
CHAPTER-5		**Obervation**	**40**
CHAPTER-6		**Conclusion**	**41**
CHAPTER-7		**Needs of the village**	**42**
CHAPTER - 8		**Reference**	**43**

FOREST ATTACHMENT REPORT

Submitted for partial fulfillment of requirement of the Bachelor of Science

In Forestry

(Session 2023-24)

Under the Supervision of:

Dr. S.S.Dhuria

Professor

Department of Forestry,
Wildlife & Environmental Sciences
GGV, Bilaspur (C.G.)

Submitted By:

Chandan patel

B.Sc. Forestry 8th Semester
Enroll. No. GGV/20/06515
Roll No. 20007014

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)

(A Central University Established Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

Date: 06/05/2024

This is to certify that the forest operation work experience report entitled: **"*FOREST ATTACHMENT RAIGARH FOREST DIVISION*"** submitted for the partial fulfillment of *Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been* carried out by ***Chandan Patel B.Sc. Forestry VIII Semester*** *Student (Roll no. 20007014)* under my supervision.

I wish him all the success in his future academic endeavours.

06/05/2024

SUPERVISION

Dr. S. S. Dhuria professor

Department of forestry,

Wildlife & Environmental sciences

CONTENT:

CHAPTER 1 ***8-12***

- CG Forest Department Introduction
- Forest of Chhattisgarh
- Forest Administration
- Administrative classification
- Aim of administration
- Types of forest

CHAPTER 2 ***13-22***

- Types of Nursery
- Advantage of Raising Seedling in a Nursery
- Site Selection for Nursery
- Nursery layout
- Preparation of Nursery beds
- Types of Nursery beds
- Preparation of media for propagation
- Study site: - Hi-tech Nursery
- Plant species in nursery
- Major activities performed in nursery

CHAPTER 3 ***23-30***

- Working Plan for the selection -cum -Improvement working circle Raigarh
- Bamboo Rehabilitation working circle
- Watershed project in Raigarh district
- Non – timber forest produces and managment

CHAPTER 4 ***31-34***

- Coup felling area & Working Circle
- Introductions

- Procedure of felling trees in coupes
- Felling and logging

CHAPTER 5 ***35-44***

- Introduction
- Management of forest depot
- Rot
- Forest wood depot
- Auctioning process
- Casting
- Major species found in Kota wood depot
- Physical verification

CHAPTER 6 ***45-46***

- Conclusion
- Reference

A TRAINING REPORT ON

INDUSTRIAL TRAINING, BALASPUR, (C.G)

(INDUSTRIAL TRAINING)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY



UNDER THE SUPERVISION OF:

Dr. S.S. Dhuria

Professor

Department of Forestry, Wildlife & Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Chandan Patel

B.Sc. Forestry 8th Semester

Enroll. No. GGV/20/06515

Roll No. 20007014

Department of Forestry, Wildlife & Environmental Science

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR C.G.

(A Central University Establishment Under Central University Act 2009, No.25 of 2009))

Department of Forestry, Wildlife & Environmental Science

Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: **"INDUSTRIAL TRAINING"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Chandan Patel Student of B.Sc. Forestry, 8th Semester (Enrollment No. GGV/20/06515)** under my guidance and supervision.

I wish him all the success in his future academic endeavors.

06/05/2024

Dr. S.S. Dhuria
Professor

Department of Forestry, Wildlife
& Environmental Science

GGV, Bilaspur, (C.G.)

CONTENTS

CHAPTER -1		**Bamboo**	**1-10**
	1.1	Importance of bamboo art	
	1.2	Objective of the bamboo art	
	1.3	Processing of bamboo art	
	1.4	Tools use in bamboo art	
	1.5	Bamboo crafts made by students	
	1.6	Wood based novel products	
	1.7	Wood based crafts	
	1.8	Wood crafts species.	
	1.9	Wood crafts	
CHAPTER - 2		**Mushroom Production**	**5-23**
	2.1	Introduction	
	2.2	Important of Mushroom	
	2.3	Structure of Mushroom	
	2.4	Life cycle of Mushroom	
	2.5	Types of Edible Mushroom	
	2.6	Production of Mushroom	
	2.7	Marketing of mushroom	
	2.8	Mushroom waste management	
CHAPTER - 3		**Conclusion**	**24**
CHAPTER - 4		**Reference**	**25**

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH
(A CENTRAL UNIVERSITY ESTABLISHED UNDER CENTRAL UNIVERSITY ACT 2009, No.25 OF 2009)
(A CENTRAL UNIVERSITY)

A

Report On

"SOCIO- ECONOMIC SURVEY: REPORT OF A VILLAGE"

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENT OF
THE BACHELOR DEGREE OF SCIENCE IN FORESTRY
ACADEMIC SESSION :2023-2024

SUBMITTED BY:

DEBASMITA ROY CHOWDHURY
B.SC FORESTRY VIIITH SEMESTER
ROLL NO: 20007016
ENROLLMENT NO.: GGV/20/06517

UNDER THE SUPERVISION OF:

PROF. K. K. CHANDRA
PROFESSOR
HEAD OF THE DEPARTMENT
DEPARTMENT OF FORESTRY,
WILDLIFE AND
ENVIRONMENTAL SCIENCES
GGV. BILASPUR. C.G

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH
(A CENTRAL UNIVERSITY ESTABLISHED UNDER CENTRAL UNIVERSITY ACT 2009, No.25 OF 2009)

CERTIFICATE

I have great pleasure in certifying that Ms. Debasmita Roy Chowdhury D/o Mr. Debajyoti Roy Chowdhury is a regular student of B.SC Forestry VIIIth semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences. She has completed field training entitled **"SOCIO – ECONOMIC SURVEY REPORT OF A VILLAGE" (KOKA VILLAGE, BHANDARA, MAHARASHTRA)** under my guidance. Submitted for partial fulfilment of Degree of Bachelor of Science in Forestry, to **Department of Forestry, Wildlife and Environmental Sciences.**

I wish her all the success in her future academic endeavours.

Signature and Date: 14/12/2024

PROF. K. K. CHANDRA
PROFESSOR,
HEAD OF THE DEPARTMENT,
DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA

CONTENTS

CHAPTER NUMBER	TOPICS AND SUB TOPICS	PAGE NUMBER
CHAPTER-1	**Introduction**	**1-13**
	1.1 Socio- economic survey	1
	1.2 Definition	2
	1.3 Importance of socio-economic survey	2-3
	1.4 Socio – economic Assessment	3-4
	1.5 Aim of the survey	4
	1.6 Objectives of the survey	4-5
	1.7 Village	6-13
	1.7.1. Village introduction	6
	1.7.2. Village definition	6
	1.7.3. Village general classification	7-13
CHAPTER-2	**Methodology adopted for survey**	**14- 22**
	2.1 General Methodology	14-15
	2.2 Methodology adopted by me for survey	15-22
	2.2.1. Selection of area	15-16
	2.2.2. Seeking sarpanch permission	17
	2.2.3. Developing Baseline conditions	18
	2.2.4Developing Questionnaires	19
	2.2.5Collection of data	20-21
	2.2.6. Data entry and verification	22
	2.2.7. Data analysis and representation	22
CHAPTER - 3	**Village profile**	**23-37**
	3.1 Village history	23
	3.2 General profile of the village	23-26
	3.3 Map of the village	27
	3.4 Village Infrastructure	28-37
CHAPTER -4	**Demographic Profile of Koka**	**38-67**
	1. Population status	39-40
	2. Social Anatomy	40-42
	3. Sex Ratio	42
	4. Literacy Rate	43
	5. Level of Education	44-45
	6. Age group of the village people	45-46
	7. Housing Pattern	46-47
	8. Sanitation status	47-48
	9. Drainage status	48-49
	10. Status of Water Sources	49-50
	11. Source of energy (electricity, cooking)	50-53
	12. Agricultural practices	53-67
	a. Land holding	53-54
	b. Agricultural Inputs	54-55
	c. Irrigation status	55-56
	d. Crops grown and production	57-58

	e. Cropping pattern	58
	f. Crop per year	59
	g. Crops Use	59-60
	h. Live stock	60-61
	i. Milk Production	61-62
	13. Vehicle Type	62-63
	14. Financial Assets	63-64
	15. Occupation	64-65
	16. Communication	65
	17. Public Health Centre	66
	18. Market Status	67
CHAPTER -5	**Economic Activities**	**68-71**
	5.1. Agriculture	68
	5.2. Daily wages work	69
	5.3. MNGNREGA	69
	5.4. Fishing	69-70
	5.5. Tendu Patta	70
	5.6. Under forest department	70
	5.7. Retail Shop	71
	5.8. Migration to Bigger cities	71
	5.9. Government job	71
	Graph	71
CHAPTER -6	**Village and Forest**	**72-81**
	6.1. Forest and village area data	73
	6.2. Dependency of villagers on forest	73
	6.3. Importance of forest for livelihood	74
	6.4. Knowledge About Forest Policy	74
	6.5. Forest compensation rules knowledge's	74-75
	6.6. Want to participate to protect forest	75
	6.7. Villagers know about plantation programs and take part in plantation	75
	6.8. People of neighbor houses go to forest	76
	6.9. Dependency on types of Forest products	76-77
	6.10. Biodiversity of the forest of the village	77-79
	6.11. Village forest community	80
	6.12. Women groups (self-help group type)	81
	6.13. Different pollution rate in village	**82-86**
CHAPTER -7	**Facilities and Schemes**	83-84
	7.1. Ration card	84
	7.2. Life Insurance Policy	85
	7.3. Kishan credit card	85
	7.4. National saving certificate	86
	7.5. Kishan Vikas Patra	86
	7.6. Postal Saving Account	86
	7.7. Others Account (Bank)	**87-91**
CHAPTER-8	**Activities Undertaken**	87-91
	Awareness Programme	

	a. Awareness programme in school	87-90
	b. Awareness programme with villagers as a street drama	90-91
	c. Agricultural awareness	91
	d. Menstrual hygiene awareness	91
	e. Awareness about different schemes	91
	f. Awareness about old age pension	91
CHAPTER-9	**Major Findings**	**92**
CHAPTER-10	**Problems**	**93-94**
CHAPTER-11	**Suggestions**	**95-96**
CHAPTER - 12	**Conclusion**	**97-98**
CHAPTER -13	**References**	**99**

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH
(A CENTRAL UNIVERSITY ESTABLISHED UNDER CENTRAL UNIVERSITY ACT 2009, NO.25 OF 2009)
(A CENTRAL UNIVERSITY)

A

Report On

"FOREST ATTACHMENT"

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENT OF
THE BACHELOR DEGREE OF SCIENCE IN FORESTRY
ACADEMIC SESSION :2023-2024

SUBMITTED BY:

DEBASMITA ROY CHOWDHURY
B.SC FORESTRY VIIITH SEMESTER
ROLL NO: 20007016
ENROLLMENT NO.: GGV/20/06517

UNDER THE SUPERVISION OF:

PROF. K. K. CHANDRA
PROFESSOR
HEAD OF THE DEPARTMENT
DEPARTMENT OF FORESTRY,
WILDLIFE AND
ENVIRONMENTAL SCIENCES
GGV. BILASPUR . C.G

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH
(A CENTRAL UNIVERSITY ESTABLISHED UNDER CENTRAL UNIVERSITY ACT 2009, NO.25 OF 2009)

CERTIFICATE

I have great pleasure in certifying that Ms. Debasmita Roy Chowdhury D/o Mr. Debajyoti Roy Chowdhury is a regular student of B.SC Forestry VIIIth Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences. She has completed field training entitled **"FOREST ATTACHMENT TRAINING" in WEST BENGAL under Forest Department of SUNDARBAN** under my guidance. Submitted for partial fulfilment of Degree of Bachelor of Science in Forestry, to **Department of Forestry, Wildlife and Environmental Sciences.**

I wish her all the success in her future academic endeavours.

Signature and Date:

14/5/2024

PROF. K. K. CHANDRA
PROFESSOR,
HEAD OF THE DEPARTMENT,
DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA

CONTENTS

CHAPTER NUMBER	TOPICS AND SUB TOPICS	PAGE NUMBER
CHAPTER- 1	**Introduction**	1-25
	1.1. Definition	1
	1.2. Characteristics and importance of forest	2-3
	1.3. Forest of India	3-10
	1.4. Forest of West Bengal and Sundarban	10-17
	1.5. Forest organisation	18-19
	1.6. Forest administration	19-25
CHAPTER- 2	**Study of Working plan of Sundarban Circle**	26- 42
	2.1. Need of Working Plan	27
	2.2. Objectives of Working Plan	28
	2.3. Scope of Working Plan	28-29
	2.4. Formulation of Working Plan	29
	2.5. Annual Plan of Operation	29
	2.6. Formation of Working Plan	29-30
	2.7. Field work for Working Plan Formulation	30-40
	2.8. Management Classification	41-42
CHAPTER- 3	**Study of GIS and Maps of SBR circle**	43- 59
CHAPTER- 4	**Forest Rules and Policies**	60- 72
	4.1. Indian Forest Act 1927	61- 62
	4.2. Wildlife Protection Act of 1972	62-66
	4.3. Forest Conservation Act of 1980	66
	4.4. Biological Diversity Act of 2002	67-68
	4.5. Tree felling Act of 2006	68- 72
CHAPTER- 5	**Village outlook of Sundarban**	73-82
	5.1. Introduction	73-77
	5.2. Village Overview of Sundarban Biosphere Reserve	78-79
	5.3. Awareness programme in the village	80
	5.4. Human Wildlife Conflict	81-82
CHAPTER- 6	**JFMC and MAB works in Sundarban**	83-86
	6.1. Joint Forest Management and Joint Forest Management committee work in Sundarban	84-85
	6.2. Man and Biosphere programme (MAB)	85-86
CHAPTER- 7	**NGO'S and Universities Activities**	87-89
CHAPTER- 8	**Catchment Area Treatment and Soil Conservation**	90-99
	8.1. Introduction	90-93
	8.2. Catchment Area Treatment and Soil Conservation in Sundarban	93-99
CHAPTER- 9	**Plantation Programme and**	100-104

	Afforestation	
	9.1. Introduction	100
	9.2. Plantation Programme and Afforestation in the Sundarban Biosphere Reserve	101- 104
CHAPTER- 10	**Forest Works and Equipment's**	**105- 109**
	10.1. Forest Works	105-108
	10.2. Forest Equipment's	108-109
CHAPTER- 11	**Wildlife Sanctuary Visit**	**110-116**
	11.1. Introduction	110-114
	11.2. My Visit to Lothian Wildlife Sanctuary	115-116
CHAPTER- 12	**Crocodile Project Visit**	**117-120**
CHAPTER- 13	**Tiger Project Visit**	**121-125**
	13.1. Brief about Tiger Project	121
	13.2. Scientific Classification of Tiger	121
	13.3. Tiger Present in Indian Sundarban Region	122
	13.4. Rescue Centre Visit	122-123
	13.5. Procedure of Rescuing of tiger from Village	123-125
CHAPTER- 14	**Fishery Practices in Sundarban**	**126-127**
	14.1. Introduction	126
	14.2. Fishery Practices in Sundarban	126-127
CHAPTER- 15	**Wildlife Management and Wildlife**	**128- 161**
	15.1. Wildlife Management	128-129
	15.2. Wildlife Management of Sundarban	129-130
	15.3. Overview of Wildlife Census and Sampling	130-144
	15.4. Floral and Faunal Diversity in Sundarban	145- 158
	15.5. Zoo visit in Sundarban Biosphere Reserve	159- 161
	15.5.1. Introduction	159- 160
	15.5.2. My Visit to Zoo in Sundarban	160-161
CHAPTER- 16	**Mangrove Nursery Visit**	**162- 169**
	16.1. Introduction	162-166
	16.2. Mangrove Nursery Visit by Me	167-169
CHAPTER- 17	**Forest Development Corporation**	**170-181**
	17.1. Overview of Forest Development Corporation	170-174
	17.2. Eco- Tourism	175-177
	17.3. Overview of Wood Depot	177-181
CHAPTER- 18	**Honey Collection and Processing**	**182- 200**
	18.1. Introduction	182-190
	18.2. Meeting with Moulis in Sundarban	191-192
	18.3. Sundarban Pure Honey and Apiculture	193-195
	18.4. Sundarban Honey Filteration unit	196-200

	under Forest Development Corporation Ltd	
CHAPTER- 19	Conclusion	201
CHAPTER-20	Reference	202

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH
(A CENTRAL UNIVERSITY ESTABLISHED UNDER CENTRAL UNIVERSITY ACT 2009, NO.25 OF 2009)
(A CENTRAL UNIVERSITY)

A

Report On

"INDUSTRIAL TRAINING AND INSTITUTE VISIT"

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENT OF THE BACHELOR DEGREE OF SCIENCE IN FORESTRY

ACADEMIC SESSION :2023-2024

SUBMITTED BY:

DEBASMITA ROY CHOWDHURY
B.SC FORESTRY VIIITH SEMESTER
ROLL NO: 20007016
ENROLLMENT NO.: GGV/20/06517

UNDER THE SUPERVISION OF:

PROF. K. K. CHANDRA
PROFESSOR
HEAD OF THE DEPARTMENT
DEPARTMENT OF FORESTRY,
WILDLIFE AND
ENVIRONMENTAL SCIENCES
GGV. BILASPUR. C.G

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH
(A CENTRAL UNIVERSITY ESTABLISHED UNDER CENTRAL UNIVERSITY ACT 2009, No.25 OF 2009)

CERTIFICATE

I have great pleasure in certifying that Ms. Debasmita Roy Chowdhury D/o Mr. Debajyoti Roy Chowdhury is a regular student of B.SC Forestry VIIIth semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences. She has completed field training entitled **"INDUSTRIAL TRAINING AND INSTITUTE VISIT"** under my guidance. Submitted for partial fulfilment of Degree of Bachelor of Science in Forestry, to **Department of Forestry, Wildlife and Environmental Sciences.**

I wish her all the success in her future academic endeavours.

Signature and Date:

14/5/2024

PROF. K. K. CHANDRA
PROFESSOR,
HEAD OF THE DEPARTMENT,
DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA

CONTENTS

APTER NUMBER	TOPICS AND SUB TOPICS	PAGE NUMBER
APTER- 1	INTRODUCTION	1-4
	1.1. Forest Based Industries	1-4
	1.2. Forest Based Institutes	5-8
APTER- 2	BAMBOO ART AND WOOD BASED NOVEL PRODUCTS	9-37
	2.1. Bamboo and Bamboo Art	9-25
	A. Over view of Bamboo	9-16
	B. Over view of Bamboo Art	17-25
	2.2. Wood and Wood Based Novel Products	26-37
	A. Over view of Wood	26-30
	B. Wood based novel products	30-37
APTER- 3	TRAINING ON MUSHROOM PRODUCTION AND IT'S WASTE MANAGEMENT	38-84
	A. Over view of Mushroom	38-47
	B. Mushroom production and waste management	48-84
	▪ Paddy straw mushroom	54-62
	▪ Oyster mushroom	63-71
	▪ Milky mushroom	72-77
	▪ By products	78
	▪ Waste management	79-83
	▪ End of our training	84
APTER- 4	INDUSTRIAL VISIT BY ME	85-102
	A. Sericulture Industry Visit	85-89
	B. Saw mill Visit	90-92
	C. Cottage Industry Visit	93-97
	D. Plywood Industry Visit	98-102
APTER- 5	INSTITUTIONAL VISIT OF BCKV	103- 108
	▪ Introduction	103-104
	▪ Visit to different departments related to forestry	105-108
APTER- 6	CONCLUSION	109-110
APTER- 7	REFERENCES	111

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A REPORT ON

FIELD TRAINING (ATTACHMENT WITH STATE FOREST DEPARTMENT) BILASPUR CHHATTISGARH

(A Forest Attachment Report) Submitted for Partial Fulfilment of Requirement for the degree the Bachelorof Science in Forestry

Session-2023-24

Under the Supervision of:
Dr. K.K. CHANDRA
Professor
HOD Department of Forestry, Wildlife & EnvironmentSciences

Submitted By:
Deepesh Kumar Shrivas
B.Sc. Forestry 8th semester
Roll.no.:20007017
Enrollment no.: GGV/20/06518

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYABILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certifying that **Mr. Deepesh Kumar Shrivas** S/o **Mr. Jagdish Shrivas,** is a regular student of B.Sc. Forestry 8th semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences GGV,Bilaspur. He has completed this training entitled **"Training report on Field training (Attachment with state Forest Department)"** under my guidance.

I wish his all the success in his academics.

24/7/2024

Dr. K.K. CHANDRA
Professor HOD
Department of Forestry, GGV,
Bilaspur

CONTENT

S.NO.Z	TOPIC	PAGE NO.
1	Chapter 1: Introduction	6-9
2	CHAPTER 2: Parivesh E-green portal fsi report Wildlife tracking remote sensing & GIS application	10- 11
3	CHAPTER 3:Utilization honey processing unit , mfp, c-mart	12-16
4	CHAPTER 4: Regional geographic center	17-19
5	CHAPTER 5: Wood depot	20-28
6	CHAPTER 6 Nursery management	29- 31
7	CHAPTER 7: Biodiversity conservation act	32-33
8	CHAPTER 8:Wildlife zoo	34-36
9	CHAPTER 9:Conclusion Reference	37-38

A TRAINING REPORT ON

SOCIO-ECONOMIC SURVEY OF NIRTU VILLAGE IN BILASPUR, (C.G) PIN-495660

(VILLAGE ATTACHMENT)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

Session : 2023-24

UNDER THE SUPERVISION OF:

Dr. K.K. CHANDRA

Professor

HOD Department of Forestry,
Wildlife & Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Deepesh Kumar Shrivas

B.Sc. Forestry 8th Semester

Enroll. No. GGV/20/06518

Roll No. 20007017

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

Department of Forestry, Wildlife & Environmental Science Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Village Attachment Report entitled: **"SOCIO-ECONOMIC SURVEY OF NIRTU VILLAGE, BILASPUR, CHHATTISGARH** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Mr. Deepesh Kumar Shrivas of B.Sc. Forestry, 8th Semester (Enrollment No. GGV/20/06518)** under my guidance and supervision.

I wish his all the success in his future academic endeavors.

Name of student
Deepesh kumar shrivas

Signature of Examiner

10/5/2024

Dr. K.K. Chandra
Professor

HOD Department of Forestry, Wildlife & Environmental Science

GGV, Bilaspur, (C.G.)

CONTENTS

CHAPTER-1		**Introduction**	**1-3**
	1.1	Socio-Economic Survey	
	1.2	Definition	
	1.3	Importance of socio-economic survey	
	1.4	Socio-Economic assessment	
	1.5	Aim of the survey	
	1.6	Objective of the survey	
CHAPTER-2		**Methodology**	**4-6**
		Methodology adopted for survey	
	2.1	Selection of the area	
	2.2	Developing baseline conditions	
	2.3	Designing a questionnaire form	
	2.4	Data collection from Primary source	
	2.5	Data collection from Middle Source	
	2.6	Data entry and verification	
	2.7	Data analysis and representation	
CHAPTER-3		**Village Profile**	**7-25**
	3.1	General profile of the village	
	3.2	Map of village	
	3.3	Village infrastructure	
CHAPTER-4		**Demographic Profile**	**26-34**
	4.1	Demographic and resource data of Village	
	1.	Population status	
	2.	Social anatomy	
	3.	Poverty status	
	4.	Housing pattern	
	5.	Educational status	
	6.	Literacy rate	
	7.	Occupation and employment	
	8.	Source of water	
	9.	Cooking status	
	10.	Livestock	
	11.	Technology	
	12.	Government schemes	
	13.	Land utilization pattern	
CHAPTER-5		**Obervation**	**35**
CHAPTER-6		**Conclusion**	**36**
CHAPTER-7		**Suggetion**	**37**
CHAPTER-8		**References**	**38**

A REPORTON

FIELD TRAINING (Forest Institute and Institutional Training) BILASPUR CHHATTISGARH

(A Forest Attachment Report) Submitted for Partial Fulfilment of Requirement for the degree the Bachelorof Science In

Forestry

Session – 2023-24

Under the Supervision of:
Dr. K.K. CHANDRA
Professor
HOD Department of Forestry, Wildlife & EnvironmentSciences

Submitted By:
Deepesh Kumar Shrivas
B.Sc. Forestry 8th semester
Roll.no.:20007017
Enrollment no.: GGV/20/06518

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYABILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certifying that **Mr. Deepesh Kumar Shrivas** S/o **Mr. Jagdish Shrivas,** is a regular student of B.Sc. Forestry 8th semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences GGV Bilaspur. He has completed this training entitled **"Training report on Field training (Forest Institute and Institutional Training)"** under my guidance.

I wish him all the success in his academics.

Dr. K.K. CHANDRA
Professor HOD
Department of Forestry, GGV,
Bilaspur

CONTENT

CHAPTER - 1		Introduction	
	1.1	Forest Industrial Training	1-4
CHAPTER - 2		Bamboo	
	2.1	Importances of Bamboo art	5
	2.2	Objectives of the Bamboo art	5-6
	2.3	Processing of Bamboo art	7-8
	2.4	Tools used in Bamboo art	8-10
	2.5	Bamboo Crafts made by students	10
	2.6	Wood based novel products	10-12
	2.7	Wood based Crafts	13
	2.8	Wood crafts species	14
	2.9	Wood crafts	15-16
CHAPTER - 3		Mushroom Production	
	3.1	Introduction	17-18
	3.2	Importances of Mushroom	18-19
	3.3	Structures of Mushroom	19-20
	3.4	Life cycle of Mushroom	21-22
	3.5	Types of Edible Mushroom	22-23
	3.6	Production of Mushroom	23-27
	3.7	Storage of Mushroom	28-29
	3.8	Marketing of Mushroom	29
	3.9	Mushroom waste management	30-31
CHAPTER - 4		Conclusion	
CHAPTER - 5		Reference	

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENT SCIENCES

GURUGHASIDASVISHWAVIDYALYA

A REPORT ON

FOREST ATTACHMENT IN BALODABAZAR

FOREST DIVISION

(FOREST OPERATION WORK EXPERIENCE)

SESSION:2023-24

UNDER THE SUPERVISIOR OF:

PROF.K.K Chandra

Department of forestry, wildlife

And Environment sciences,

GGV, Bilaspur.

SUBMITTED BY:

Dipti Gurjar

B.sc Forestry8th semester

Roll no. 20007019

Enrolmentno.GGV/20/06520

DEPARTMENTOFFORESTRYOFFORESTRY,WILDLIFE ENVIRONMENT SCIENCES

GURUGHASIDASVISHWAVIDYALAYABILASPUR

(C.G)

(A Central university establishment under central university act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest attachment report entitled: **"FOREST ATTACHMENTIN BALODABAZAR FOREST DIVISION"** submitted for the Partial fulfillment of Degree of **Bachelor Of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh** has been carried out by **Dipti Gurjar** of **B.scForestry8TH Semester** student (Roll No. 20007019) under my guidance and supervision, his work was appreciable and satisfactory.

I wish her all the success in his academics.

Supervisor By

Prof. K.K CHANDRA

Department of forestry wildlife and Environmental sciences

CONTENTS

S. NO.	CHAPTERS
1	INTRODUCTION TO FOREST
2	BILASPUR FOREST DIVISON
3	WOOD DEPOT
4	JILA UNION
5	NWFP MART & SANJEEVANI C - MART
6	HONEY PROCESSING UNIT
7	REGIONAL GEOMATIC CENTER
8	NURSERY MANAGEMENT, BANSAJHAL
9	WILDLIFE MANAGEMENT AND ZOO MANAGEMENT, KANAN PENDARI, SAKRI
10	CONCLUSION
11	REFERENCES

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

SOCIO – ECONOMIC REPORT OF VILLAGE - BAIMA BILASPUR CHHATTISGARH

(VILLAGE ATTACHMENT REPORT)

SUMMITTED FOR PARTIAL FULLFILMENT OF REQUIRENMENT

FOR THE BACHELOR OF SCIENCE IN

FORESTRY

Session 2023-24

Under the supervision of

Prof. K.K Chandra

Head of the department

Forestry wildlife& environment science

Guru Ghasidas Vishwavidyalaya

Bilaspur (C.G)

summited by

Miss Dipti Gurjar

B.sc forestry 8th semester

Roll no. 20007019

Enrollment No. GGV/20/06520

DEPARTMENT OF FORESTRY, WILDLIFE ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that Village Attachment Report entitled: **"SOCIO-ECONOMIC SURVEY OF VILLAGE-BAIMA , BILASPUR , CHHATTISGARH"** submitted for the partial fulfillment of Degree of **Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh,** has been carried out **by Miss Dipti Gurjar of B.Sc. Forestry, VIIIthSemester, and Enrollment No. (GGV/20/06520)** under my guidance and supervision.

Supervision

Prof. K.K Chandra

Head of the department

CONTENTS

S.NO.	Title	Page No.
CHAPTER 1	INTRODUCTION	1
CHAPTER 2	VILLAGE PROFILE	10
CHAPTER 3	DEMOGRAPHIC PROFILEOF VILLAGE	24
CHAPTER 4	PROBLEMS ANDAPPROACH	33
CHAPTER 5	SUGGESTIONS	37
CHAPTER 6	BIODIVERTY OF THEVILLAGE	38
CHAPTER 7	ACTIVITIES UNDERTAKEN	40
CHAPTER 8	CONCLUSION	45
CHAPTER 9	REFERENCE	46

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASHIDAS VISHWAVIDYALAYA, BILASPUR (C.G)

A REPORT ON

"INDUSTRIAL TRAINING"

SUBMMITED FOR PARTIAL FULFILMENT OF REQUIREMENT FOR THE DEGREE

THE BACHELOER OF SCIENCE IN FORESTRY

Session - 2023-24

UNDER THE SUPERVISION OF :

PROF. K.K Chandra
Department of forestry, wildlife
And Environment science,
GGV, Bilaspur.

SUBMITTED BY :

Dipti Gurjar
B.sc Forestry 8th semester
Roll no. 20007019
Enrolment no. GGV/20/06520

DEPARTMENT OF FORESTRY OF FORESTRY, WILDLIFE ENVIRONMENT SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR

(C.G)

(A Central university establishment under central university act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest attachment report entitled: **"INDUSTRIAL TRAINNING"** submitted for the Partial fulfillment of Degree of **Bachelor Of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh** has been carried out by **Dipti Gurjar** of **B.sc Forestry 8TH Semester** student (Roll no.20007019) under my guidance and supervision , his work was appreciable and satisfactory.

I wish his all the success in his academic

31/07/2024

Supervisor by

Porf. K.K CHANDRA

Dept. of Forestry, wildlife

Environmental sciences

GGV Bilaspur (C.G)

CONTENT

S.NO.	TOPIC	PAGE NO.
1	CHAPTER 1 : BAMBOO ART AND WOOD BASED NOVEL PRODUCTS	6- 11
2	CHAPTER 2 : TRAINING OF MUSROOM PRODUCTION AND ITS WASTE MANAGEMENT	12 - 38
3	CHAPTER 3 : CONCLOSION	39
4	CHAPTER 4 : REFRENCE	40

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

SOCIO – ECONOMIC REPORT OF VILLAGE - BAIMA BILASPUR CHHATTISGARH

(VILLAGE ATTACHMENT REPORT)

SUMMITTED FOR PARTIAL FULLFILMENT OF REQUIRENMENT

FOR THE BACHELOR OF SCIENCE IN

FORESTRY

Session 2023-24

Under the supervision of

Prof. K.K Chandra

Head of the department

Forestry wildlife& environment science

Guru Ghasidas Vishwavidyalaya

Bilaspur (C.G)

summited by

Miss Dipti Gurjar

B.sc forestry 8th semester

Roll no. 20007019

Enrollment No. GGV/20/06520

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

SOCIO – ECONOMIC REPORT OF VILLAGE - BAIMA BILASPUR CHHATTISGARH

(VILLAGE ATTACHMENT REPORT)

SUMMITTED FOR PARTIAL FULLFILMENT OF REQUIRENMENT

FOR THE BACHELOR OF SCIENCE IN

FORESTRY

Session 2023-24

Under the supervision of

Prof. K.K Chandra

Head of the department

Forestry wildlife& environment science

Guru Ghasidas Vishwavidyalaya

Bilaspur (C.G)

summited by

Miss Dipti Gurjar

B.sc forestry 8th semester

Roll no. 20007019

Enrollment No. GGV/20/06520

DEPARTMENT OF FORESTRY, WILDLIFE ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that Village Attachment Report entitled: **"SOCIO-ECONOMIC SURVEY OF VILLAGE-BAIMA , BILASPUR , CHHATTISGARH"** submitted for the partial fulfillment of Degree of **Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh,** has been carried out **by Miss Dipti Gurjar of B.Sc. Forestry, VIIIth Semester, and Enrollment No. (GGV/20/06520)** under my guidance and supervision.

Supervisor

Prof. K.K Chandra

Head of the department

DECLARATION

I hereby declare that the field trainiig entitled "**Training report on Village attachment report: Socio-Economic Survey of Village-BAIMA** " submitted to Guru Ghasidas Vishwavidyalaya is record of an original work done by me under the guidance of "**PROF. K.K CHANDRA**" and this project work has been formed for the award of Bachelor of Science Degree in Forestry.

Dipti

Dipti Gurjar

B.sc forestry 8th semester

Roll No -20007019

Enrollment no. GGV/20/06520

ACKNOWLEDGEMENTS

Expression of giving thanks is just a part of those feelings which are too large for words but shall remain as memories of wonderful people with whom I have got the pleasure of working during the completion of the survey.

I am also thankful to **Prof. S.C. Tiwari,** Dean, School of Natural Resources, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for academic help and motivation.

I have taken the opportunity to thank **Dr. K.K. Chandra**, Head, Department of Forestry, Wildlife & Environmental Sciences, GGV for boosting our confidence for such fieldwork and academic motivation for the successful completion of our project. I also like to thank our co-ordinator **Dr.Gunjan Patil** (Assistant Professor) and **Dr. M. Chowlani** (Assistant Professor) Department of Forestry, Wildlife & Environmental Sciences, GGV for their never ending support and motivation and also their helping nature towards the students.

I am grateful to my mentor **Dr. K.K Chandra (Head)**, Department of Forestry, Wildlife & Environmental Sciences, GGV for his guidance and support during project work and report writing.

I would also like to thank all the officials and people of the **BAIMA** Village for their valuable time, information, knowledge, and experience which they shared with us During the Survey and Field Visit.

DIPTI GURJAR

B.sc forestry 8th semester

Roll no– 20007019

Enrollment No - GGV/20/06520

CONTENT

CHAPTERS	TITLE	PAGES
Chapter 1	**Introduction**	1-4
	• Importance of economic survey • Aims of economic survey • Objective of economic survey	
Chapter 2	**Methodology**	5-9
	• Questionnaire development • Data collection	
Chapter 3	**Village profile**	10-20
	• Map of village • Village infrastructure	
Chapter 4	**Demographics of village**	21-41
	•Population status • Social anatomy • Level of education • Literacy rate • Housing pattern • Water sources • Sources of energy • Livestock possession • Agriculture land use • Agriculture machinery • Transportation • Government Schemes	
Chapter 5	**Awareness program**	42-46
Chapter 6	**Problems of the village**	48
Chapter7	**Suggestion**	49
Chapter8	**Conclusion**	50
Chapter 9	**Refrence**	51

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENT SCIENCES

GURUGHASIDASVISHWAVIDYALYA

A REPORT ON

FOREST ATTACHMENT IN BALODABAZAR

FOREST DIVISION

(FOREST OPERATION WORK EXPERIENCE)

SESSION:2023-24

UNDER THE SUPERVISION OF:

PROF.K.K Chandra

Department of forestry, wildlife

And Environment sciences,

GGV, Bilaspur.

SUBMITTED BY:

Dipti Gurjar

B.sc Forestry8th semester

Roll no. 20007019

Enrolmentno.GGV/20/06520

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENT SCIENCES

GURUGHASIDASVISHWAVIDYALYA

A REPORT ON

FOREST ATTACHMENT IN BALODABAZAR

FOREST DIVISION

(FOREST OPERATION WORK EXPERIENCE)

SESSION:2023-24

UNDER THE SUPERVISIOR OF:

PROF.K.K Chandra

Department of forestry, wildlife

And Environment sciences,

GGV, Bilaspur.

SUBMITTED BY:

Dipti Gurjar

B.sc Forestry8th semester

Roll no. 20007019

Enrolmentno.GGV/20/06520

DEPARTMENTOFFORESTRYOFFORESTRY,WILDLIFE ENVIRONMENT SCIENCES

GURUGHASIDASVISHWAVIDYALAYABILASPUR

(C.G)

(A Central university establishment under central university act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest attachment report entitled: **"FOREST ATTACHMENTIN BALODABAZAR FOREST DIVISION"** submitted for the Partial fulfillment of Degree of **Bachelor Of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh** has been carried out by **Dipti Gurjar** of **B.scForestry8TH Semester** student (Roll No. 20007019) under my guidance and supervision, his work was appreciable and satisfactory.

I wish her all the success in his academics.

Supervisor by

Prof. K.K CHANDRA

Department of forestry wildlife and Environmental sciences

DECLARATION

I here by declare that the present work experience report entitled "FOREST ATTACHMENT" interpretation or part of it has nor been submitted for a degree or diploma of any university. The source of material and all assistance received during the course of investigation have been duly acknowledged. All the records and data given in the report are authentic to my knowledge.

Dipti Gurjar

B.sc Forestry 8th semester

ROLL NO. – 20007019

ENROLL.NO –GGV/20/06520

ACKNOWLEDGEMENT

First and foremost I am thankful to the Department of Forestry, Wildlife & and Environmental sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for giving me such kind of opportunity and facilities for my training project work.

I express my deep regards to **Prof. S.C. Tiwari, Dean,** School of Natural Resources,*Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh* for his constant help and academic encouragement

I express my deep regards to **Pro. K. K. Chandra, Head,** Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for his valuable guidance and comments

I am thankful to **Dr, Gunjan Patil,** Assistant Professor our coordinator for the guidance during the project work .

I express my deep sense of gratitude and thanks to my supervisor **PROF. K.K CHANDRA**, Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for her inspiring guidance, analytical powers and much needed critical comments during entire study period.

I pay my thanks to all the faculty members, staff members and research scholars of the department for their constant encouragement, guidance and support for completion of this work.

DIPTI GURJAR

CONTENTS

S.NO.	TOPICS	PAGE NO.
1	INTRODUCTION	2-5
2	VISIT TO DIFFERENT COUPES DEMARCATION SURVEY	6-8
3	WOOD DEPOT MANAGEMENT	9-17
4	PLANTATION AND NURSERY MANAGEMENT	18-23
5	WATERSHED MANAGEMENT AND SOIL MOISTURE CONSERVATION	24-28
6	NON-TIMBER FOREST PRODUCES	29-32
7	WORKING PLAN	33-36
8	JOINT FOREST MANAGEMENT (JFM)	37-39
9	WILDLIFE MANAGEMENT	40-46
10	ECO-TOURISM	47-49
11	GEOMATICS	50-56
12	BAMBOO FOREST	57-60
13	CONCLUSION	61
14	REFRENCE	62

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASHIDAS VISHWAVIDYALAYA, BILASPUR (C.G)

A REPORT ON

"INDUSTRIAL TRAINING"

SUBMMITED FOR PARTIAL FULFILMENT OF REQUIREMENT FOR THE DEGREE

THE BACHELOER OF SCIENCE IN FORESTRY

Session - 2023-24

UNDER THE SUPERVISION OF :

PROF. K.K Chandra
Department of forestry, wildlife
And Environment science,
GGV, Bilaspur.

SUBMITTED BY :

Dipti Gurjar
B.sc Forestry 8th semester
Roll no. 20007019
Enrolment no. GGV/20/06520

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASHIDAS VISHWAVIDYALAYA, BILASPUR (C.G)

A REPORT ON

"INDUSTRIAL TRAINING"

SUBMMITED FOR PARTIAL FULFILMENT OF REQUIREMENT FOR THE DEGREE

THE BACHELOER OF SCIENCE IN FORESTRY

Session - 2023-24

UNDER THE SUPERVISION OF :

PROF. K.K Chandra
Department of forestry, wildlife
And Environment science,
GGV, Bilaspur.

SUBMITTED BY :

Dipti Gurjar
B.sc Forestry 8th semester
Roll no. 20007019
Enrolment no. GGV/20/06520

DEPARTMENT OF FORESTRY OF FORESTRY, WILDLIFE ENVIRONMENT SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR

(C.G)

(A Central university establishment under central university act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest attachment report entitled: **"INDUSTRIAL TRAINNING"** submitted for the Partial fulfillment of Degree of **Bachelor Of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh** has been carried out by **Dipti Gurjar** of **B.sc Forestry 8TH Semester** student (Roll no.20007019) under my guidance and supervision , his work was appreciable and satisfactory.

I wish his all the success in his academic

31/7/2024

Supervisor by

Porf. K.K CHANDRA

Dept. of Forestry, wildlife

Environmental sciences

GGV Bilaspur (C.G)

ACKNOWLEDGEMENT

First and foremost I am thankful to the Department of Forestry, Wildlife & and Environmental sciences, Guru Ghasidas Vishwavidyalaya,Bilaspur, Chhattisgarh forgiving me such kind of opportunity and facilities for my training project work.

I express my deep regards to **Prof. S.C. Tiwari, Dean, School of Natural Resources**, *Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh* for his constant help and academic encouragement.

I express my deep regards to **Pro. K. K. Chandra, Head,** Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for his valuable guidance and comments.

I am thankful to **Dr, Gunjan Patil,** Assistant Professor our coordinator for theguidance during the project work.

I express my deep sense of gratitude and thanks to my supervisor **PROF. K.K CHANDRA** , Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for her inspiring guidance, analytical powers and much needed critical comments during entire study period.

I pay my thanks to all the faculty members, staff members and research scholars of the department for their constant encouragement, guidance and support for completion of this work.

DIPTI GURJAR

Roll No. 20007019

CONTENT

S.NO.	TOPIC	PAGE NO.
1	CHAPTER 1 : BAMBOO ART AND WOOD BASED NOVEL PRODUCTS	6-11
2	CHAPTER 2 : TRAINING OF MUSROOM PRODUCTION AND ITS WASTE MANAGEMENT	12 - 38
3	CHAPTER 3 : CONCLOSION	39
4	CHAPTER 4 : REFRENCE	40

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHAWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH
(A CENTRAL UNIVERSITY)

A

Report

On

"SOCIO ECONOMIC SURVEY – REPORT OF A VILLAGE"

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENT OF THE BACHELOR DEGREE OF SCIENCE IN FOESTRY

ACADEMIC SESSION: 2023-24

DOMENDRA NISHAD
B.SC. FORESTRY 8TH SEM
ROLL NO. 2007020
ENROLLMENT NO. GGV/20/06521

DR. K.K. CHANDRA
HEAD OF DEPARTMENT
DEPARTMENT OF FORESTRY, WILDLIFE
& ENVIRONMENTAL SCIENCES

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

CERTIFICAT

I have great pleasure in certifying that Mr. Domendra Nishad S/o Mr. Rajkumar Nishad is a regular student of B.Sc. Forestry VIIIth semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences. He has completed field training entitled **"Socio – economic Survey Report of a Village"** under my guidance.

I wish him all success in his future academic endeavours.

Dr. K.K. Chandra
Head of Department
(Supervisor)

Signature and Date

CONTENTS

CHAPTER - 1

INTRODUCTION Page: 7-16

- o Socio-Economic Survey
- o Definition
- o Importance of Socio-Economic survey
- o Socio-Economic assessment
- o Aim of the survey
- o Objectives of survey
- o Methodology adopted for survey

CHAPTER - 2

VILLAGE PORFILE Page: 17-20

- o General profile of the village
- o Map of the village
- o Village infrastructures

CHAPTER - 3

DEMOGRAPHIC PROFILE Page: 21-32

- o Population Status
- o Social Anatomy
- o Sex Ratio
- o Literacy Rate
- o Level of Education
- o Age of the Village
- o Household Pattern
- o Sanitation Status
- o Drainage Status
- o Compost Pit Status

o Status of Water Source

o Source of Energy (Lighting and Cooking)

o Agricultural Practices

CHAPTER - 4 AWARENESS PROGRAM Page: 33-35

CHAPTER – 5 ISSUES Page: 36-37

CHAPTER - 6 SUGESSTIONS Page: 38

CHAPTER - 7 CONCLUSION Page: 39

CHAPTER - 8 REFERENCE Page: 40

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHAWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH
(A CENTRAL UNIVERSITY)

A

Report

On

"FIELD TRAINING (INDUSTRIAL TRAINING)"

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENT OF THE BACHELOR DEGREE OF SCIENCE IN FOESTRY

ACADEMIC SESSION: 2023-24

DOMENDRA NISHAD
B.SC. FORESTRY 8TH SEM
ROLL NO. 2007020
ENROLLMENT NO. GGV/20/06521

DR. K.K. CHANDRA
HEAD OF DEPARTMENT
DEPARTMENT OF FORESTRY, WILDLIFE
& ENVIRONMENTAL SCIENCES

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICAT

I have great pleasure in certifying that Mr. Domendra Nishad S/o Mr. Rajkumar Nishad is a regular student of B.Sc. Forestry VIII semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences. He has completed field training entitled **"Socio – economic Survey Report of a Village"** under my guidance.

I wish him all success in his future academic endeavours.

Dr. K.K. Chandra
Head of Department
(Supervisor)

31/5/2024
Signature and Date

Index

S.NO.	TOPIC	PAGE NO.
1	Chapter-1 Introduction	6
2	Chapter-2 Definition	7
3	Chapter -4 Bamboo and wood Based Novel Product	8-14
3.1	Introduction	
3.2	Bamboo craft	
3.1.1	Characteristics of Bamboo	
3.1.2	Tools used in Bamboo craft	
3.1.3	Process	
3.1.4	Advantage	
3.3	Wood Craft	
3.3.1	Characteristics of wood craft	
3.3.2	Tools used in wood craft	
3.3.3	Process	
3.3.4	Advantage	
3.3.5		
4	Chapter-4 Mushroom Training and Waste Management	15-24
4.1	Introduction	
4.1.1	Classification	
4.1.2	Classification on the basis of edibility	
4.1.3	Life cycle of Mushroom	
4.1.4	Types of mushroom	
4.1.5	Benefits of Mushroom	
		25
5	Conclusion	26
6	Reference	

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHAWAVIDYALAYA, KONI, BILASPUR,
CHHATTISGARH
(A CENTRAL UNIVERSITY)

A

Report

On

"FOREST TRAINING REPORT- ATTACHMENT WITH STATE FOREST DEPARTMENT"

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENT OF THE BACHELOR DEGREE OF SCIENCE IN FOESTRY

ACADEMIC SESSION: 2023-24

DOMENDRA NISHAD
B.SC. FORESTRY VIII SEMESTER
ROLL. NO. : 20007020
ENROLLMENT NO. : GGV/20/06521

DR. K.K. CHANDRA
HEAD OF DEPARTMENT
(SUPERVISOR)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that Mr. Domendra Nishad S/o Mr. Rajkumar Nishad is a regular student of B.Sc Forestry VIIIth semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences. He has completed field training entitled **"Forest Training Report-Attachment with State Forest Department"** under my guidance.

I wish him all success in his future academic endeavours.

Dr. K.K. Chandra
Head of Department
(Supervisor)

Signature and Date 13/5/2024

INDEX

	Topic	Page No.
1.	❖ Introduction to Chhattisgarh Forest Department	6-11
2.	❖ Selection Cum Improvement Management Circle (SCI) coupe felling	12-19
3.	❖ Assisted Natural regeneration:-	20-25
4.	❖ Forest Working Plan:-	26-35
5.	❖ Narva Vikas Yojna:-	36-39
6.	❖ Bamboo Setum:-	40-43
7.	❖ Wood Depot:-	44-47
8.	❖ Conclusion	48-49
9.	❖ References	50

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH

(A CENTRAL UNIVERSITY)

A

Report

on

"SOCIO-ECONOMIC SURVEY OF BAIMA VILLAGE"

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENT OF THE BACHELOR DEGREE OF SCIENCE IN FOESTRY

ACADEMIC SESSION: 2023-24

SUBMITTED BY:

EKTA SONI

B.SC. FORESTRY 8TH SEMESTER

ROLL. NO.: 20007021

ENROLLMENT NO.: GGV/20/06522

GUIDED BY:

DR. K.K. CHANDRA

HEAD OF DEPARTMENT

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that Ms. **EKTA SONI** D/o Mr. **BHAGWAT SONI** is a regular student of B.Sc. Forestry 8th semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences. She has completed field training entitled **"SOCIO-ECONOMIC SURVEY OF BAIMA VILLAGE"** under my guidance.

I wish her all success in her future academic endeavours.

23/5/2024
Signature and Date

Dr. K.K. CHANDRA
(Head of department)

CONTENTS

CHAPTER – 1 (INTRODUCTION)		**1- 6**
1.	Socio-Economic Survey	1
2.	Definition	1
3.	Importance of Socio-Economic survey	1
4.	Socio-Economic assessment	1
5.	Aim of the survey	2
6.	Objectives of survey	2
7.	Methodology adopted for survey	3
8.	Village	6
CHAPTER – 2 (VILLAGE PROFILE)		**7 - 12**
1.	General profile of the village	7
2.	Map of the village	8
3.	Village infrastructures	9-12
CHAPTER – 3 (DEMOGRAFIC PROFILE OF BAIMA)		**13 - 27**
1.	Population Structure	14
2.	Social Anatomy	14
3.	Sex Ratio	15
4.	Level of Education	15
5.	Literacy Rate	16
6.	Housing Pattern	17
7.	Status of Water Source	18
8.	Source of Energy	19
9.	Agricultural Practices	21
10.	Occupation	23
11.	Communication	24
12.	Covid Vaccination	25
13.	Vehicle Type	25

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH

(A CENTRAL UNIVERSITY)

A

Report

on

"INDUSTRIAL TRAINING"

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENT OF THE BACHELOR DEGREE OF SCIENCE IN FOESTRY

ACADEMIC SESSION: 2023-24

SUBMITTED BY:

EKTA SONI

B.SC. FORESTRY 8TH SEMESTER

ROLL. NO.: 20007021

ENROLLMENT NO.: GGV/20/06522

GUIDED BY:

DR. K.K. CHANDRA

HEAD OF DEPARTMENT

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that Ms. **EKTA SONI** D/o Mr. **BHAGWAT SONI** is a regular student of B.Sc. Forestry 8th semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences. She has completed field training entitled **" Report on Industrial training"** under my guidance.

I wish her all success in her future academic endeavours.

31/5/2024
Signature and Date

Dr. K.K. CHANDRA
(Head of department)

INDEX

S.NO.	CHAPTER	PG.NO.
1	**TRAINING ON MUSHROOM PRODUCTION AND ITS WASTE MANAGEMENT**	1 - 28
2	**BAMBOO ART AND WOOD BASED NOVEL PRODUCTS**	29 - 34
3	**CONCLUSION**	35

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH

(A CENTRAL UNIVERSITY)

A

Report

on

"FOREST OPERATION WORK EXPERIENCE IN BALODA BAZAAR"

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENT OF THE BACHELOR DEGREE OF SCIENCE IN FOESTRY

ACADEMIC SESSION: 2023-24

SUBMITTED BY:

EKTA SONI

B.SC. FORESTRY 8TH SEMESTER

ROLL. NO.: 20007021

ENROLLMENT NO.: GGV/20/06522

GUIDED BY:

DR. K.K. CHANDRA

HEAD OF DEPARTMENT

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that Ms. **EKTA SONI** D/o Mr. **BHAGWAT SONI** is a regular student of B.Sc. Forestry 8th semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences. She has completed forest attachment report entitled **"FOREST OPERATION WORK EXPERIENCE IN BALODA BAZAAR FOREST DIVISION"** under my guidance.

I wish her all success in her future academic endeavours.

12/5/2024
Signature and Date

Dr. K.K. CHANDRA
(Head of department)

INDEX

S.NO	CHAPTER	PG.NO.
1	INTRODUCTION	1-6
2	NURSERY MANAGEMENT	7- 13
3	WOOD DEPOT	14 - 27
4	WATERSHED MANAGEMENT	28 - 31
5	WILDLIFE MANAGEMENT	32 - 35
6	WORKING PLAN	36 - 40
7	SELECTION CUM IMPROVEMENT	41 - 45
8	ECOTOURISM	46 - 48
9	BAMBOO FOREST	49 - 52
10	JOINT FOREST MANAGEMENT	53 - 55
11	CONCLUSION	56
12	REFRENCES	57

VILLAGE ATTACHMENT REPORT

SUBMITTED FOR PARTIAL FULFILLMENT OF THE

DEGREE OF

BACHELOR OF SCIENCE IN FORESTRY

Academic session: 2023-2024

REPORT ON SOCIO-ECONOMIC SURVEY OF DAUKAPA VILLAGE, MUNGELI, CHHATTISGARH

Submitted To
Dr. Garima Tiwari
Assistant Professor
Department of Forestry, Wildlife & Environmental Sciences
GGV, Bilaspur

Submitted By
Gourisha Jolhe
B.Sc. Semester 8th
Roll no.: 20007022
Enrolment no.: GGV/20/06523

GURU GHASIDAS VISHWAVIDYALAYA, Bilaspur (C.G.)

(A central university established under Central Universities Act 2009, No. 25 of 2009)

Department of Forestry, Wildlife & Environmental sciences

GURU GHASIDAS VISHWAVIDYALAYA, Bilaspur (C.G.)

(A central university established under Central Universities Act 2009, No. 25 of 2009)

Certificate

This is to certify that **Ms. Gourisha Jolhe**, D/O Mr. Chandra Shekhar Jolhe, is a regular student of B.Sc. Forestry Semester 8th during the academic session of 2023-2024 of Department of Forestry, Wildlife & Environmental sciences, Guru Ghasidas Vishwavidyalaya. She has completed this Village attachment training entitled **"Report on Socio-economic survey of Daukapa village, Mungeli, Chhattisgarh"** during this semester under my guidance, in the partial fulfilment for the degree of Bachelor's Of Science in Forestry. It has been found to be satisfactory and hereby approved for submission.

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishwavidhyalaya
Bilaspur (Chhattisgarh)

13/5/2024

Dr. Garima Tiwari
Assistant Professor
Department of Forestry,
Wildlife and Environmental Science

CONTENT

Sl.No.	Topic	Page no.
1.	**CHAPTER-1** **INTRODUCTION** • 1.1 Socio-economic Survey • 1.2 Importance of Socio-economic survey • 1.3 Socio-economic assessment • 1.4 Aim of the survey • 1.5 Objective of the survey • 1.6 Methodology of the survey	8-13
2.	**CHAPTER-2** **VILLAGE POTRAIT** • 1.2 General profile of the village • Map of the village • 1.2 Village infrastructure	14-17
3.	**CHAPTER-3** **DEMOGRAPHIC PROFILE** • 3.1 Population status • 3.2 Social Anatomy • 3.3 Sex ratio • 3.4 Literacy rate • 3.5 Age-class distribution • 3.6 Household pattern • 3.7 Sanitation Status • 3.8 Drainage Status • 3.9 Compost Pit Status • 3.10 Source of Water • 3.11 Energy: Lighting & Cooking Agricultural practice	18-28
4.	**CHAPTER-4** **AWARENESS PROGRAM**	29-31
5.	**CHAPTER-5** **FINDINGS**	32-34
6.	**CHAPTER-6** **SUGGESTIONS**	35
7.	**CHAPTER-7** **CONCLUSIONS**	36-38
8.	**CHAPTER-8** **REFERENCE**	39

FOREST INSTITUTE AND INDUSTRIAL ATTACHMENT REPORT

SUBMITTED FOR PARTIAL FULFILLMENT OF THE

DEGREE OF

BACHELOR OF SCIENCE IN FORESTRY

Academic session: 2023-2024

REPORT ON FOREST INSTITUTE AND INDUSTRIAL VISIT

Submitted To
Dr. Garima Tiwari
Assistant Professor
Department of Forestry, Wildlife
& Environmental Sciences
GGV, Bilaspur

Submitted By
Gourisha Jolhe
B.Sc. Semester 8th
Roll no.: 20007022
Enrolment no.:
GGV/20/06523

GURU GHASIDAS VISHWAVIDYALAYA, Bilaspur (C.G.)

(A central university established under Central Universities Act 2009, No. 25 of 2009)

Department of Forestry, Wildlife & Environmental sciences

GURU GHASIDAS VISHWAVIDYALAYA, Bilaspur (C.G.)

(A central university established under Central Universities Act 2009, No. 25 of 2009)

Certificate

This is to certify that Ms. Gourisha Jolhe, D/O Mr. Chandra Shekhar Jolhe, is a regular student of B.Sc. Forestry Semester 8th during the academic session of 2023-2024 of Department of Forestry, Wildlife & Environmental sciences, Guru Ghasidas Vishwavidyalaya. She has completed this Industrial attachment training entitled **"Report on Forest Institute and Industrial visit"** during this semester under my guidance, in the partial fulfilment for the degree of Bachelor's Of Science in Forestry. It has been found to be satisfactory and hereby approved for submission.

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishwavidyalaya
Bilaspur (Chhattisgarh)

13/5/2024

Dr. Garima Tiwari
Assistant Professor
Department of Forestry,
Wildlife and Environmental Science

CONTENT

Sl.No.	Topic	Page no.
1.	**CHAPTER-1** **INTRODUCTION**	7-8
2.	**CHAPTER-2** **WORKSHOP ON BAMBOO ART AND WOOD BASED NOVEL PRODUCTS** • Introduction 2.1 Bamboo 2.1.1 Characteristics of Bamboo 2.1.2 Bamboo Art 2.1.3 Requirements for Bamboo art 2.1.4 Procedure of Bamboo art 2.2 Wood based product 2.2.1 Wood working 2.2.2 Requirement for wood working 2.2.3 Procedure of wood working 2.3 Products from workshop	9-16
3.	**CHAPTER-3** **MUSHROOM PRODUCTION AND IT'S WASTE MANAGEMENT** • Introduction 3.1 Mushroom 3.2 Lifecycle of Mushroom 3.3 Mushroom: Types & Cultivation techniques A. Oyster Mushroom B. Paddy Mushroom C. Milky Mushroom 3.4 Waste Management	17-31
4.	**CHAPTER-4** **CONCLUSION**	32
5.	**CHAPTER-5** **REFERENCE**	33

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

FOREST ATTACHMENT REPORT

SUBMITTED FOR PARTIAL FULFILLMENT OF THE DEGREE OF BACHELOR OF SCIENCE IN FORESTRY

(Session: 2023-2024)

REPORT ON FOREST ATTACHMENT WITH STATE FOREST DEPARTMENT, BILASPUR, CHHATTISGARH

SUBMITTED TO:
Dr. GARIMA TIWARI
Assistant Professor
Department of Forestry,
Wildlife and Environmental
Sciences

SUBMITTED BY:
GOURISHA JOLHE
Bsc. Forestry
8th Semester
Roll No- 20007022
Enrolment no- GGV/20/06523

DEPARTMENT OF FOREST, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certifying that **Ms. GOURISHA JOLHE** D/o **Mr. CHANDRA SEKHAR JOLHE,** is a regular student of B.Sc. Forestry 8th semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences GGV, Bilaspur. She has completed this training entitled **"Training report on Field training (Attachment with state Forest Department)"** under my guidance.

I wish her all the success in her academics.

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishwavidyalaya
Bilaspur (Chhattisgarh)

13/12/2024

Dr. GARIMA TIWARI
Assistant Professor
Department of Forestry, Wildlife and Environmental Sciences

CONTENT

S.NO	TOPIC	PAGE NO.
1	CHAPTER 1: INTRODUCTION	6-9
2	CHAPTER 2: PARIVESHE-GREEN PORTAL FSI REPORT. WILDLIFE TRACKING REMOT SENSIN& GIS APPLICATION	10- 11
3	CHAPTER 3:UTILIZATION HONEY PROCESSING UNIT, MFP, C-MART	12-16
4	CHAPTER 4: REGIONAL GEOGRAPHICAL CENTER	17-18
5	CHAPTER 5: WOODDEPOT	19-25
6	CHAPTER 6: NURSERY MANAGEMENT	26- 28
7	CHAPTER 7: BIODIVERSITY COSEVATION ACT	29-30
8	CHAPTER 8: WILD LIFE ZOO	31-32
9	CHAPTER 9: COCLUSION REFRENCES	33

SOCIO-ECONOMIC REPORT OF VILLAGE NIRTU BILASPUR CHHATTISGARH

(VILLAGE ATTACHMENT REPORT)

Submitted for partial fulfillment of requirement of the Bachelor of Science in

FORESTRY

SESSION:-2023-24

Under the Supervision of

Dr. Garima Tiwari
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya
Bilaspur(C.G.)

Submitted By

Mr. Gulshan Yadav
B.Sc. Forestry 8th Semester
Roll No. 20007023
Enroll No. GGV/20/06524

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

This is to certify that Village Attachment Report entitled: "SOCIO-ECONOMIC SURVEY OF VILLAGE-NIRTU BILASPUR CHHATTISGARH" submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, has been carried out by Mr. Gulshan Yadav s/o Anand Yadav of B.Sc. Forestry, VIII[th] Semester and Enrollment No. (GGV/20/06524) under my guidance and supervision.

I wish him all the success in his future academic endeavors.

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishwavidhyalaya
Bilaspur (Chhattisga...
14/05/24

(Dr. Garima Tiwari)
Supervisor
Assistant Professor
Department of Forestry
Wildlife & Environmental Sciences
Guru Ghasidas Vishwavidyalaya
Bilaspur(C.G.)

14/5/2024

CONTENTS

Chapters	Title	PAGE No.
Chapter 1	**Introduction**	1-3
	1.1 Socio-economic survey 1.2 Definition 1.3 Objectives of socio-economic survey 1.4 Importance of economic survey 1.5 Aim of the survey 1.6 Socio-economic assessment	
Chapter 2	**Methodology**	4-7
	2.1 Selection of area 2.2 Developing questionnaire 2.3 Developing a comprehensive profile Of the study site 2.4 Developing a set of criteria for Assessment 2.5 Designing of questionnaire 2.6 Field Survey 2.7 Data analysis and socioeconomic Assessment 2.8 Data entry and verification 2.9 Data analysis 2.10 Data collection	
Chapter 3	**Village profile**	8-16
	3.1 Map of village 3.2 Village infrastructure 3.2.1 Roads and pathways 3.2.2 Educational institutes 3.2.3 Common utilities 3.2.4 Health center	

Chapter 4	**Demographics of village** 4.1 Population status 4.2 Social anatomy 4.3 Education 4.4 Literacy rate 4.5 Occupation 4.6 annual income 4.7 Housing pattern 4.8 Water sources 4.9 Sources of energy 4.10 Livestock possession 4.11 Agriculture land use 4.12 Agriculture machinery 4.13 Transportation 4.14 Technology 4.15 Vaccination status 4.16 Government Schemes	17-31
Chapter 5	**Problems**	32
Chapter 6	**Conclusion and Remarks**	33
	References	34

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

FOREST ATTACHMENT REPORT

Submitted for partial fulfilment of requirement of the

Bachelor of Science

In

FORESTRY

SESSION:-2023-24

Under the Supervision of

Dr. Garima Tiwari
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya
Bilaspur(C.G.)

Submitted By

Mr. Gulshan Yadav
B.Sc. Forestry 8th Semester
Roll No. 20007023
Enroll No. GGV/19/6090

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that**Mr. Gulshan Yadav** s/o Mr. Anand Yadav is a regular student of B.Sc. Forestry VIII Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. He has completed this entitled "**Training report on Field Training" (Attachment with State Forest Department)** during this semester under my guidance.

I wish him all the success in his academics.

14/5/2024

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishvavidhyalaya
Bilaspur (Chhattisgarh)
14/05/24
Dr. Garima Tiwari

(Supervisor)

CONTENTS

Chapters	Title	Page No.
Chapter1	**INTRODUCTION**	1-5
	1.1. Forest of Chhattisgarh 1.2. Forest type of Chhattisgarh 1.3. Chhattisgarh Forest Department 1.4. Forest Administration 1.5. Administrative Classification 1.6. Aim of Forest Administrative	
Chapter 2	**WORKING PLAN**	6-13
	2.1 Introduction 2.2 Scope of Working Plan 2.3Need of Working plan 2.4Objective of Working Plan 2.5Working Plan Period 2.6Formulation Of Working Plan 2.7Field work for Working Plan Formulation 2.8Forest Organization 2.9Management Classification	
Chapter 3	**Wood Depot Management**	14-24
	3.1 Introduction 3.2 Depot 3.3 Passing of Forest Produce from Coupe 3.4 Intermediate Transit Challan 3.5 Operation Carried out at Wood Depot 3.6 Wood Depot Staff	
Chapter 4	**Nursery Management**	25-29
	4.1 Nursery Management 4.2 Preparation of Nursery 4.3 Major activities performing in Nursery 4.4 Miscellaneous	
Chapter 5	**Management In Gomarda WLS Sarangarh**	30-39
	5.1 Introduction 5.2 Zone of Gomarda WLS 5.3 AITE 5.4 Phase of AITE 5.5 Carnivore Sign Survey 5.6 Line Transect 5.7 Habitat & Plot Sampling	
	Conclusion	40
	Reference	41

A Report On

"Industrial Training /Institutional Training"

Submitted for partial fulfilment of requirement of the Bachelor of Science in

Forestry

SESSION:-2023-24

Under the Supervision of

Dr. Garima Tiwari
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya
Bilaspur(C.G.)

Submitted By

Mr. Gulshan Yadav
B.Sc. Forestry 8th Semester
Roll No. 20007023
Enroll No. GGV/20/06524

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that Mr. Gulshan Yadav s/o **Mr. Anand Yadav** is a regular student of **B.Sc. Forestry VIII Semester** during the session of 2023-24 of **Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur**. He has completed this Computer Application training entitled **"Training report on Industrial Training / Institutional Training"** during this semester under my guidance.

I wish him all the success in his academics.

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.)
14/05/24

(Dr. Garima Tiwari)
Supervisor

14/5/2024

CONTENTS

		Page No.
Chapter1	**Introduction**	**1**
Chapter2	**Definition**	**2**
	2.1 Industrial training 2.2 Forest 2.3 Importance of forest 2.4 Forest based industries 2.5 Objective of industrial training	
Chapter 3	**Bamboo and Wood craft**	**3-8**
	3.1 Bamboo craft 3.1.1 Characteristics of bamboo 3.1.2 Tool used in bamboo craft 3.1.3 process 3.2 Wood craft 3.2.1 Characteristics of wood craft 3.2.2Tools used in wood craft 3.2.3 process	
Chapter 4	**Mushroom Training**	**9-16**
	4.1 Mushroom 4.1.1 Classification of mushroom 4.1.2 Classification of mushroom on the basis of Edibility 4.1.3 Life cycle of mushroom 4.1.4 Types of mushroom 4.1.5 Precaution 4.1.6 Benefits of mushroom cultivation	
	Conclusion	**17**
	Reference	**18**

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDASVISHAWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH
(A CENTRAL UNIVERSITY)

A

Report

on

"SOCIO-ECONOMIC SURVEY OF TARRI VILLAGE, RAIPUR"

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENT OF THE BACHELOR DEGREE OF SCIENCE IN FOESTRY

ACADEMIC SESSION : 2023-24

HRISHIKA MOURYA
B.SC FORESTRY VIII[TH] SEMESTER
ROLL. NO. : 20007024
ENROLLMENT NO. : GGV/20/06525

DR. GARIMA TIWARI
ASSISTANT PROFESSOR
DepartmentOfForestry,
Wildlife&Environmental
Sciences

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that Ms. Hrishika Mourya D/o Mr. Sunil Kumar Mourya is a regular student of B.Sc Forestry VIII[th]semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences. She has completed field training entitled **"SOCIO-ECONOMIC SURVEY OF TARRI VILLAGE, RAIPUR"** under my guidance.

I wish her all success in her future academic endeavours.

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishwavidhyalaya
Bilaspur (Chhattisgarh)

Signature and Date
13/05/2024

Dr.Garima Tiwari

Assistant Professor

(Supervisor)

13/05/2024

CONTENTS

Chapter no.	Topics	Page no.
1.	SOCIO-ECONOMIC SURVEY – INTRODUCTION	1-4
2.	GENERAL PROFILE OF VILLAGE 2.1. Introduction 2.1.1. Maps of tarri 2.1.2. Political detail of tarri 2.2. Population of the village 2.3. Educational facilities 2.3.1. Government primary and middle school data 2.3.2. Private school 2.3.3. Anganwadi 2.3.4. College in tarri 2.4. Social infrastructure 2.4.1. Water resources 2.4.2. Drainage 2.4.3. Religious places 2.4.4. Community hall 2.4.5. Micro-enterprises	5-15
3.	DEMOGRAPHIC PROFILE 3.1. Demographics of tarri 3.2. Population status 3.2.1. Based on gender 3.2.2. Based on category 3.2.3. Based on religion 3.3. Literacy rate –	16-28
4.	SCHEMES IN VILLAGE	29-32
5.	AWARENESS PROGRAM	33-34
6.	PROBLEMS AND SUGGESTIONS	35
7.	CONCLUSION	36
8.	REFRENCES	37

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURUGHASIDASVISHAWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH

(A CENTRAL UNIVERSITY)

A

Report

on

"FOREST ATTACHMENT OF GUMLA FOREST DIVISION"

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENT OF THE BACHELOR DEGREE OF SCIENCE IN FOESTRY

ACADEMIC SESSION :2023-24

HRISHIKA MOURYA

B.SC FORESTRY VIII[TH]SEMESTER

ROLL. NO : 20007024

ENROLLMENTNO. :GGV/20/06525

DR. GARIMA TIWARI

ASSISTANT PROFESSOR

(SUPERVISOR)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that Ms. HRISHIKA MOURYA D/o Mr. Sunil Mourya is a regular student of B.Sc Forestry VIII[th]semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences. She has completed field training entitled **""REPORT ON FOREST ATTACHMENT"**under my guidance.

I wish her all success in her future academic endeavours.

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishwavidyalaya
Bilaspur (Chhattisgarh)

Dr.GARIMA TIWARI

Assistant Professor

(Supervisor)

13/5/24

Signature and Date

13/05/2024

CONTENT

1. INTRODUCTION
2. WORKING PLAN AND PWPR
    1. Lead of working plan
    2. Objectives of working plan
    3. Formation of working plan
    4. Field work for working plan formulation
3. Human Elephant conflict
    1. Introduction
    2. Human Elephant conflictDefination
    3. Causes of HEC
    4. Steps taken to prevent HEC
    5. Elephant corridor
4. GIS SECTION
    1. Definition
    2. Components of GIS
    3. How GIS works
    4. Choice of software
    5. Application of GIS and forest management
5. LEGAL SECTION
    1. SC Act
    2. FRA – Forest Right Act
    3. IFA - Indian Forest ActProcedure
    4. WPA – Wildlife Protection Act
6. Forest nursery and plantation site
    1. Introduction
    2. Important of forest nursery
    3. Site selection for forest nursery
    4. Tree species in nursery
    5. Incentives, Target and Pricing
    6. Activities performed in nursery
    7. Koinara plantation site
7. Honey production unit
    1. Introduction
    2. Live cycle of honeybee
    3. Procedure of production
    4. Cost and pricing
    5. Composition of Honey

6. Health benefits of honey

8. Palkot wildlife sanctuary
    1. Introduction
    2. Area Overview
    3. Wildlife management
    4. Entry point activity
    5. Wildlife tracking
    6. Wildlife survey
    7. Challenges in wildlife management

9. Problems and Suggetions

10. Conclusion

11. Refrences

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHAWAVIDYALAYA, KONI, BILASPUR,

CHHATTISGARH

(A CENTRAL UNIVERSITY)

A

REPORT ON

FOREST INSTITUTE AND INDUSTRIAL TRAINING

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENT OF THE BACHELOR DEGREE OF SCIENCE IN FOESTRY

ACADEMIC SESSION :2023-24

HRISHIKA MOURYA

B.SC FORESTRY VIII[TH] SEMESTER

ROLL. NO : 20007024

ENROLLMENT NO. :GGV/20/06525

DR.GARIMA TIWARI

ASSISTANT PROFESSOR

(SUPERVISOR)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that **Ms. HRISHIKA MOURYA** D/o Mr. Sunil Mourya is a regular student of B.Sc Forestry VIII[th]semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences. She has completed field training entitled **"INDUSTRIAL/INSTITUTE TRAINING AND VISIT REPORT"**under my guidance.

I wish her all success in her future academic endeavours.

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishwavidhyalaya
Bilaspur (Chhattisgarh)
Signature and Date
13/05/2024

Dr.GARIMA TIWARI
Assistant Professor
(Supervisor)

13/5/2024

CONTENT

Chapter no.	Topic	Page no.
1.	**INTRODUCTION**	01-02
2.	**WORKSHOP ON BAMBOO BASED NOVEL PRODUCTS** 2.1. Introduction 2.2. Economic contribution 2.2.1. Market trends 2.2.2. Bamboo craft in India 2.3. Bamboo as a material 2.4. Tools used 2.5. Manufacturing process	03-08
3.	**WORKSHOP ON WOOD BASED NOVEL PRODUCTS** 3.1. Introduction 3.2. Wood carving 3.3. Tools used 3.4. Carving process 3.5.Market overview	09-12
4.	**MUSHROOM PRODUCTION AND ITS WASTE MANAGEMENT** 4.1 Introduction 4.1.1. structure of mushroom 4.1.2. Life cycle of mushroom 4.1.3. Nutritional value 4.2. Types of mushroom 4.2.1. Identification of poisonous mushroom 4.2.2. Mushroom : types and cultivation techniques A. oyster mushroom cultivation B. Paddy mushroom cultication 4.3. Mushroom waste management 4.4. Mushroom value added products	13-20
5.	**SAW MILL** 5.1. Introduction 5.1.1. sources of logs 5.1.2. Transit permission 5.1.3. major tree logs, GST and costing 5.2. Process at Saw mill 5.2.1. Machines used in saw mill	21-26
6.	**CONCLUSION**	27
7.	**REFRENCES**	28

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA, KONI ,BILASPUR, CHHATTISGARH

(A CENTRAL UNIVERSITY)

A

REPORT ON

SOCIO ECONOMIC SURVEY OF BAIMA VILLAGE SUBMITTED FOR PARTIAL FULLFILLMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORESTRY

SESSION : 2023 2024

UNDER THE SUPERVISION OF :

Dr. Garima Tiwari

Assistant professor

Department of Forestry, Wildlife

& environmental sciences
Bilaspur, (C.G.)

SUBMITTED BY :

Janhvi Gupta

B.sc Forestry 8th semester

Enroll. No. GGV/20/06526

ROLL NO. 20007025 GGV,

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central university Establishment Under Central University Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that **Ms.JANHVI GUPTA** D/o **Mr. NARENDRA GUPTA** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed this training entitled **"Training report on Socio–economic Survey of Village BAIMA"** during this semester under my guidance.

I wish her all the success in her academics.

18/5/2024

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishwavidhyalaya
Bilaspur (Chhattisgarh)
14/05/24

Dr. GARIMA TIWARI

Assistant Professor
Department of Forestry,
Wildlife and Environmental
Science, GGV, Bilaspur.

CONTENTS

❖ CHAPTER – 1 (INTRODUCTION) 3 - 8

1. Socio-Economic Survey
2. Definition
3. Importance of Socio-Economic survey
4. Socio-Economic assessment
5. Aim of the survey
6. Objectives of survey
7. Methodology adopted for survey
8. Village

❖ CHAPTER – 2 (VILLAGE PROFILE) 9 - 14

1. General profile of the village
2. Map of the village
3. Village infrastructures

❖ CHAPTER – 3 (DEMOGRAFIC PROFILE OF BAIMA) 15 -26

1. Population Structure
2. Social Anatomy
3. Sex Ratio
4. Education level
5. Literacy Rate
6. Housing Pattern
7. Status of Water Source
8. Source of Energy
9. Agricultural Practices

10. Occupation
11. Communication
12. Covid Vaccination
13. Vehicle Type
14. Financial Assets

❖ CHAPTER – 4 AWARENESS PROGRAMS ; 27 - 30

❖ CHAPTER – 5 (PROBLEMS) 31
❖ CHAPTER – 6 (SUGGESTIONS) 32
❖ CHAPTER – 7(CONCLUSION) 33
❖ REFERNCES 34

FOREST ATTACHMENT REPORT

Submitted for partial fulfilment for requirement of the

Bachelor of Science

In

FORESTRY

SESSION :-2023-24

Under the Supervision of

Dr. GARIMA TIWARI
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidylaya
Bilaspur(C.G.)

Submitted By

JANHVI GUPTA
B.Sc. Forestry 8th Semester
Roll No. 20007025
Enroll No. GGV/20/06526

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that **Miss JANHVI GUPTA** d/o Mr. Narendra Gupta is a regular student of B.Sc. Forestry VIII Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed this training entitled "**Training report on Field Training**" **(Attachment with State Forest Department)** during this semester under my guidance.

I wish her all the success in her academics.

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishwavidyalaya
Bilaspur (Chhattisgarh)
14/05/24

Dr. GARIMA TIWARI

Assistant Professor

Department of Forestry, Wildlife and Environmental Sciences

Guru Ghasidas Vishwavidylaya

Bilaspur (C.G)

13/5/2024

CONTENTS

S.NO.	TOPICS	PAGE NO.
1	INTRODUCTION	2-5
2	VISIT TO DIFFERENT COUPES DEMARCATION SURVEY	6-8
3	WOOD DEPOT MANAGEMENT	9- 16
4	PLANTATION AND NURSERY MANAGEMENT	17-22
5	WATERSHED MANAGEMENT AND SOIL MOISTURE CONSERVATION	23-27
6	NON-TIMBER FOREST PRODUCES	28-31
7	WORKING PLAN	32-35
8	JOINT FOREST MANAGEMENT (JFM)	36-38
9	WILDLIFE MANAGEMENT	39-45
10	ECO-TOURISM	46-48
11	GEOMATICS	49-55
12	BAMBOO FOREST	56-59
13	CONCLUSION	60
14	REFRENCE	61

FOREST INSTITUTE & INDUSTRIAL TRAINING REPORT

SUBMITTED FOR PARTIAL FULFILLMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE

IN

FORESTRY

SESSION : 2023 - 2024

UNDER THE SUPERVISION OF :

Dr. Garima Tiwari

Assistant Professor

Department Of Forestry, Wildlife

& Environmental Sciences

GGV, Bilaspur, (C.G.)

SUBMITTED BY :

Janhvi Gupta

B.Sc Forestry 8th Semester

Enroll. No. GGV/20/06526

ROLL NO. 20007025

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

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

(A Central University Established Under Central University Act 2009,No.25 Of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

This is to certify that the Forest institute and industrial visit report entitled: **" FOREST INSTITUTE AND INDUSTRIAL TRAINING"** submitted for the partial fulfilment of Degree of **Bachelor Of Science in Forestry to Department of Forestry,Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh** has been carried out by **JANHVI GUPTA** of **B.sc. Forestry VIII^TH Semester** student (Roll no.20007025) under my guidance and supervision , her work was appreciable and satisfactory.

I wish her all the success in her future academic endeavours.

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishwavidhyalaya
(A Central University)
14/05/24

Supervisor
Dr. Garima Tiwari
Assistant Professor
Dept. Of Forestry ,Wildlife And
Environmental Sciences
GGV,,Bilaspur ,Chhattisgarh

18/5/2024

CONTENTS

CHAPTER -1		**Bamboo**	1-10
	1.1	Importance of bamboo art	
	1.2	Objective of the bamboo art	
	1.3	Processing of bamboo art	
	1.4	Tools use in bamboo art	
	1.5	Bamboo crafts made by students	
	1.6	Wood based novel products	
	1.7	Wood based crafts	
	1.8	Wood crafts species.	
	1.9	Wood crafts	
CHAPTER - 2		**Mushroom Production**	5-23
	2.1	Introduction	
	2.2	Important of Mushroom	
	2.3	Structure of Mushroom	
	2.4	Life cycle of Mushroom	
	2.5	Types of Edible Mushroom	
	2.6	Production of Mushroom	
	2.7	Marketing of mushroom	
	2.8	Mushroom waste management	
CHAPTER - 3		**Conclusion**	24
CHAPTER - 4		**Reference**	25

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A TRAINING REPORT ON

SOCIO-ECONOMIC SURVEY OF NIRTU VILLAGE IN BILASPUR, (C.G)

PIN-495660

(VILLAGE ATTACHMENT)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

(SESSION: 2023-24)

UNDER THE SUPERVISION OF:

Dr. Garima Tiwari

Assistant Professor

Department of Forestry, Wildlife & Environmental Science GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Kalyani Tamboli

B.Sc. Forestry 8th Semester

Enroll. No. GGV/20/06527

Roll No. 20007026

Department of Forestry, Wildlife & Environmental Science

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR C.G.

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

Department of Forestry, Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)
(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Village Attachment Report entitled: **"SOCIO-ECONOMIC SURVEY OF NIRTU VILLAGE, BILASPUR, CHHATTISGARH"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Kalyani Tamboli of B.Sc. Forestry, 8th Semester (Enrollment No. GGV/20/06527)** under my guidance and supervision.

I wish her all the success in her future academic endeavors.

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishwavidyalaya

Signature and 14/05/24

Dr. Garima Tiwari
(Supervisor)
Assistant Professor
Department of Forestry, Wildlife &
Environmental Science
GGV, Bilaspur, (C.G.)

14/5/2024

CONTENTS

CHAPTER		TITLE	PAGE NO.
CHAPTER-1		**Introduction**	1-3
	1.1	Socio-Economic Survey	
	1.2	Definition	
	1.3	Importance of socio-economic survey	
	1.4	Socio-Economic assessment	
	1.5	Aim of the survey	
	1.6	Objective of the survey	
CHAPTER-2		**Methodology**	4-7
		Methodology adopted for survey	
	2.1	Selection of the area	
	2.2	Developing baseline conditions	
	2.3	Designing a questionnaire form	
	2.4	Data collection from Primary source	
	2.5	Data collection from Secondary Source	
	2.6	Data entry and verification	
	2.7	Data analysis and representation	
CHAPTER-3		**Village Profile**	8-22
	3.1	General profile of the village	
	3.2	Map of village	
	3.3	Village infrastructure	
CHAPTER-4		**Demographic Profile**	23-33
	4.1	Demographic and resource data of Village	
	1.	Population status	
	2.	Social anatomy	
	3.	Poverty status	
	4.	Housing pattern	
	5.	Educational status	
	6.	Literacy rate	
	7.	Occupation and employment	
	8.	Source of water	
	9.	Cooking status	
	10.	Livestock	
	11.	Technology	
	12.	Land utilization pattern	
	13.	Government schemes	
CHAPTER-5		**Obervation**	34
CHAPTER-6		**Conclusion**	35
CHAPTER-7		**Suggetion**	36
		References	37

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

A TRAINING REPORT ON
FOREST ATTACHMENT IN RAJNANDGAON FOREST DIVISION

(FOREST OPERATIONS WORK EXPERIENCE)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

(SESSION: 2023-24)

UNDER THE SUPERVISION OF:

Dr. Garima Tiwari

Assistant Professor

Department of Forestry, Wildlife & Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Kalyani Tamboli

B.Sc. Forestry 8th Semester

Enroll. No. GGV/20/06527

Roll No. 20007026

Department of Forestry, Wildlife & Environmental Science GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

Department of Forestry, Wildlife & Environmental Science Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest operations work experience report entitled: **"FOREST ATTACHMENT IN RAJNANDGAON FOREST DIVISION"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Kalyani Tamboli of B.Sc. Forestry 8th Semester, and Enrollment No. (GGV/20/06527)** under my supervision.

I wish her all the success in her future academic endeavors.

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishwavidhyalaya
Bilaspur (Chhattisgarh)

14/04/24

Dr. Garima Tiwari
Assistant Professor
Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur (C. G.)

14/5/2024

CONTENTS

CHAPTER		TITLE	PAGE NO.
CHAPTER- 1		**Forest in Chhattisgarh**	1-3
	1.1	Forest in Chhattisgarh	
	1.2	Chhattisgarh forest department	
	1.3	Forest head	
CHAPTER - 2		**Mangata Wildlife park**	4-11
	2.1	Introduction	
	2.2	Van Chetna Kendra Major Attraction	
	2.3	Forest Management in Mangata	
	2.4	Pugmark	
	2.5	Transect Line Survey	
	2.6	Conclusion	
CHAPTER - 3		**Nursery**	12-17
	3.1	Nursery	
	3.2	Importance of nursery	
	3.3	Type of nursery	
	3.4	Site selection for nursery	
	3.5	Management of young nursery plants	
	3.6	Tree species in nursery	
	3.7	Activities perform in the nursery	
	3.8	Nursery challan	
	3.9	Conclusion	
CHAPTER – 4		**Working plan**	18-21
	4.1	Working plan	
	4.2	Scope of working plan	
	4.3	Annual plan of operation	
	4.4	Procedure of working plan formulation	
	4.5	Field work for working plan formulation	
	4.6	Forest organization	
	4.7	Management classification	
	4.8	Conclusion	
CHAPTER - 5		**Mahua Processing Center : Rajnandgaon**	22-29
	5.1	Mahua processing unit: Rajnandgaon	
	5.2	Mahua	
	5.3	Processing of Mahua	
	5.4	Processing Method	
	5.5	Packing and labeling	

	5.6	Uses and Benefits	
	5.7	Conclusion	
CHAPTER – 6		**Zoo : Kanan pendari**	**30-35**
	6.1	Introduction	
	6.2	Objectives	
	6.3	Kanan pendari zoo	
	6.4	Organizational chart	
	6.5	Animal species of kanan pendari	
	6.6	Conclusion	
CHAPTER – 7		**Forest Wood Depot. Rajnandgaon**	**36-39**
	7.1	Introduction	
	7.2	Management of Forest Depot.	
	7.3	Nucleus Depot Rajnandgaon	
	7.4	Auctioning Process	
	7.5	Tree species	
	7.6	Physical verification	
	7.7	Conclusion	
CHAPTER - 8		**Biodiversity**	**40-47**
	8.1	Introduction	
	8.2	Types of Biodiversity	
	8.3	Components of species diversity	
	8.4	Factors Affecting Biodiversity	
	8.5	Biodiversity Conservation	
	8.6	Some Plant Species in Mangata	
	8.7	Some Animal Species in Mangata	
	8.8	Conclusion	
CHAPTER - 9		Conclusion	**48**
		References	**49**

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A REPORT ON

FOREST INSTITUTE & INDUSTRIAL TRAINING, BILASPUR, (C.G.)

(FOREST INSTITUTE & INDUSTRIAL VISIT)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

(SESSION: 2023-24)

UNDER THE SUPERVISION OF:

Dr. Garima Tiwari

Assistant Professor

Department of Forestry, Wildlife & Environmental Science GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Kalyani Tamboli

B.Sc. Forestry 8th Semester

Enroll.No. GGV/20/06527

Roll No. 20007026

Department of Forestry, Wildlife & Environmental Science

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR C.G.

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

Department of Forestry, Wildlife & Environmental Science

Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the forest institute and industrial visit report entitled: **"Training report on Forest Institute and Industrial training"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Kalyani Tamboli of B.Sc. Forestry, 8th Semester, and Enrollment No. (GGV/20/06527)** under my guidance and supervision.

I wish her all the success in her future academic endeavors.

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.)

14/05/24

14/5/2024

Dr. Garima Tiwari
Assistant Professor
Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur, (C.G.)

CONTENTS

CHAPTER		TITLE	PAGE NO.
CHAPTER - 1		**"Bamboo Art & Wood Based Novel Products" Workshop**	1 -5
	1.1	Introduction	
	1.2	Bamboo Art & Wood Based Novel Products	
	1.3	Tools and Raw Materials	
	1.4	Some Bamboo Arts	
	1.5	Some Wood Based Novel Products	
	1.6	Completion & Certificate Distribution	
CHAPTER - 2		**Mushroom Production and Its Waste Management**	6-24
	2.1	Introduction	
	2.2	Mushroom Production	
	2.3	Classification on mushroom	
	2.4	Types of Mushroom	
	2.5	Oyster Mushroom production	
	2.6	Milky mushroom production	
	2.7	Paddy Straw Mushroom Production	
	2.8	Mushroom Waste Management	
	2.9	Products of Mushroom	
	2.10	Completion & Certificate Distribution	
CHAPTER - 3		**Vermicompost**	25 -27
	3.1	Introduction	
	3.2	Vermicomposting Materials	
	3.3	Process Of Vermicompost Preparation	
	3.4	Harvesting	
	3.5	Market Potential	
CHAPTER - 4		**Mahua processing Center : Rajnandgaon**	28- 35
	4.1	Mahua processing unit : rajnandgaon	
	4.2	Mahua	
	4.3	Processing of Mahua	
	4.4	Processing Method	
	4.5	Packing and labeling	
	4.6	Uses and Benefits	
	4.7	Conclusion	
CHAPTER - 5		**Conclusion**	36
		References	37

A TRAINING REPORT ON SOCIO-ECONOMIC SURVEY OF VILLAGE GOKULPUR , BILASPUR, CHHATTISGARH

(A Socio-economic Survey Report)

Submitted for Partial Fulfilment of Requirement for the degree the Bachelor of Science In Forestry

Session – 2023 - 24

Under the Supervision of :

DR. GARIMA TIWARI

Assistant Professor,

Department of Forestry,

Wildlife and environmental sciences

GGV, Bilaspur

Submitted By:

KHILESH KAUSHIK

BSc. Forestry VIII[TH] SEM

ROLL NO. - 20007027

Enrollment no. – GGV/20/06528

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G)

Central University Establishment Under Central University Act 2009, No. 25 of 2009)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENT SCIENCE

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that **Mr. Khilesh Kaushik S/o Mr. Ramnarayan Kaushik**, bearing Enrollment No.–GGV/20/06528 of Department of Forestry, Wildlife and Environmental Sciences, has completed this training entitled "**Training report on Socio – Economic Survey**" under my guidance.

I wish him all the success in his academics.

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishvavidhyalaya
Bilaspur (Chhattisgarh)

Dr. Garima Tiwari 13/05/2024
Assistant Professor,
Department of Forestry,
Wildlife and Environmental Sciences
GGV, Bilaspur

13/5/2024

CONTENTS

S.NO.	Title
CHAPTER 1	INTRODUCTION
CHAPTER 2	VILLAGE PROFILE
CHAPTER 3	DEMOGRAPHIC PROFILEOF VILLAGE
CHAPTER 4	PROBLEMS AND APPROACH
CHAPTER 5	SUGGESTIONS
CHAPTER 6	BIODIVERTY OF THE VILLAGE
CHAPTER 7	ACTIVITIES UNDERTAKEN
CHAPTER 8	CONCLUSION
CHAPTER 9	REFERENCE

A TRAINING REPORT ON ATTACHMENT WITH CHHATTISGARH STATE FOREST DEPARTMENT, BILASPUR FOREST DEPARTMENT

(A Forest Attachment Report)

Submitted for Partial Fulfilment of Requirement for the degree the Bachelor of Science In Forestry

Session – 2023 - 24

Under the Supervision of :

Dr. GARIMA TIWARI
Assistant Professor,
Department of Forestry,
Wildlife and environmental sciences
GGV, Bilaspur

Submitted By:

KHILESH KAUSHIK
BSc. Forestry VIII[TH] SEM
ROLL NO. - 20007027
Enrollment no. – GGV/20/06528

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
A Central University Establishment Under Central University Act 2009, No. 25 of 2009)
DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENT SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that **MR. KHILESH KAUSHIK S/O Mr. RAMNARAYAN KAUSHIK** bearing Enrollment No.–GGV/20/06528 of Department of Forestry, Wildlife and Environmental Science has completed this training entitled **" Training report on Field training (Attatchment with state Forest Department)"** under my guidance .

I wish him all the success in his academics.

13/3/2024

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.)

13/05/2024

Dr. GARIMA TIWARI
Assistant Professor,
Department of Forestry,
Wildlife and Environmental Sciences
GGV, Bilaspur

CONTENT

S. NO.	CHAPTERS
1	INTRODUCTION TO FOREST
2	BILASPUR FOREST DIVISION
3	WOOD DEPOT
4	JILA UNION
5	NWFP MART & SANJEEVANI C - MART
6	HONEY PROCESSING UNIT
7	REGIONAL GEOMATIC CENTER
8	NURSERY MANAGEMENT, BANSAJHAL
9	WILDLIFE MANAGEMENT AND ZOO MANAGEMENT, KANAN PENDARI, SAKRI
10	CONCLUSION
11	REFERENCES

A TRAINING REPORT ON

FOREST INSTITUTE AND INDUSTRIAL TRAINING BILASPUR, (C.G) PIN-495001

(INDUSTRIAL TRAINING)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

Session : 2023-24

UNDER THE SUPERVISION OF:

Dr. GARIMA TIWARI

Assistant Professor

Department of Forestry, Wildlife &

Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

KHILESH KAUSHIK

B.Sc. Forestry 8th Semester

Enroll. No.GGV/20/06528

Roll No. 20007027

Department of Forestry, Wildlife & Environmental Science Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: **"FOREST INSTITUTE AND INDUSTRIAL TRAINING"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Mr. KHILESH KAUSHIK of B.Sc. Forestry, 8th Semester (Enrollment No. GGV/20/06528)** under my guidance and supervision.

I wish him all the success in his future academic endeavors.

DR. GARIMA TIWARI
Assistant Professor
Dept. of Forestry
Guru Ghasidas Vishwavidhyalaya
Bilaspur (Chhattisgarh)

Dr. GARIMA TIWARI
Assistant Professor
Department of Forestry, Wildlife
& Environmental Science
GGV, Bilaspur, (C.G.)
13/05/2024

13/5/2024

CONTENTS

CHAPTER -1		**Bamboo**	1-10
	1.1	Importance of bamboo art	
	1.2	Objective of the bamboo art	
	1.3	Processing of bamboo art	
	1.4	Tools use in bamboo art	
	1.5	Bamboo crafts made by students	
	1.6	Wood based novel products	
	1.7	Wood based crafts	
	1.8	Wood crafts species.	
	1.9	Wood crafts	
CHAPTER - 2		**Mushroom Production**	5-23
	2.1	Introduction	
	2.2	Important of Mushroom	
	2.3	Structure of Mushroom	
	2.4	Life cycle of Mushroom	
	2.5	Types of Edible Mushroom	
	2.6	Production of Mushroom	
	2.7	Marketing of mushroom	
	2.8	Mushroom waste management	
CHAPTER - 3		**Conclusion**	24
CHAPTER - 4		**Reference**	25

TRANING REPORT
ON

SOCIO-ECONOMIC SURVEY OF ANDHLA, VILLAGE, SURGUJA, CHATTISGARH

(Village Attachment Report)

(Session: 2023-24)

SUBMITTED FOR PARTIAL FULFILMENT FOR THE REQUERMENT OF BACHLOR DEGREE IN FORESTRY

UNDER THE SUPERVISSION OF:

Dr. Gunjan Patil
Assistant Professor
Supervisor
Dept. of Forestry, Wildlife and
Environmental Sciences

SUBMITTED BY:

Khileshwar Singh
B.Sc. Forestry 8th Semester
Roll No.20007028
Enrolment no:-GGV/20/06529

Department Of Forestry, Wildlife and Environmental Sciences

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

(A Central university Established Under Central universities Act 2009, No.25 of 2009)

गुरू घासीदास विश्वविद्यालय, बिलासपुर छत्तीसगढ़

Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh

(A Central University Established Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Village attachment report entitled: "Socio-Economic Survey of Andhla, Village,Surguja ,Chhattisgarh" has been submitted for the partial fulfilment of Degree of Bachelor of Science in Forestry to the Department of Forestry ,Wildlife and Environmental Sciences, Guru GhasidasVishwavidyalaya, Bilaspur, Chhattisgarh carried out by Mr. KHILESHWAR SINGH S/O Mr. VRIKSHA SINGH, Student of B.Sc. Forestry, VIIIth Semester (Roll no.-20007028) under my supervision.

His work was appreciable and satisfactory .I wish him success in future academic endeavors.

13/05/2024

Dr. Gunjan Patil
Assistant Professor
Department of forestry
Wildlife and Environmental
Sciences
GGV Bilaspur

CONTENT

S.NO.	TITLE	PAGE NO.
CHAPTER-1	INTRODUCTION	8-12
1.1	Socio-Economic Survey	8
1.2	Socio-Economic Economic Definition	8
1.3	Socio- Economic Assessment	8
1.4	Objective of Socio-Economic Survey	9
1.5	Importance Of Socio- Economic Survey	9
1.6	Methodology Of Socio-Economic Survey	9-12
CHAPTER-2	VILLAGE PROFILE	13
2.1	Village Profile Andhla	14
2.2	A Brief details about Andhla	15
2.3	Village Map	15
2.4	Village Infrastructures	16-20
CHAPTER-3	DEMOGRAPHIC PROFILE	21
3.1	Population Status	22
3.2	Social Anatomy	22
3.3	Government Scheme	23
3.4	House Hold Pattern	23-24
3.5	Status of Water Source	25
3.6	Source of Energy	25
3.7	Live Stocks	25-26
3.8	Agriculture Status	27-29
3.9	Occupations And Employment	30-31
3.10	Level of Education	31
3.11	Literacy Rate Schemes in village	31-32
CHAPTER-4	RESULT	33
CHAPTER-5	SUGESSTIONS	34
CHAPTER-6	CONCLUSION	35
CHAPTER-7	REFRENCE	36

FOREST ATTACHMENT IN SURGUJA FORESTDIVISION, TAMORPINGLA WILDLIFE SANCTUARY

SURAJPUR CHHATTISGARH

(Forest attachment report)

(Session:- 2023-24)

SUBMITTED FOR PARTIAL FULFILMENT FOR THE REQUIREMENT OF BACHELOR DIGREE IN FORESTRY

UNDER THE SUPERVISION OF :
Dr. Gunjan patil
Assistant professor
Supuervisor
Dept. of Forestry, Wildlife &
Environmental Science

SUBMITTED BY :
Khileshwar singh
B.SC. Forestry 8th semester
Roll no. 20007028
Enrolment no-GGV/20/06529

Department Of Forestry, Wildlife And Environmental Science
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

(A central university established under central universities act 2009, no. 25 of 2009)

गुरू घासीदास विश्वविद्यालय, बिलासपुर छत्तीसगढ़

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

(A central university established under central universities act 2009, no. 25 of 2009)

CERTIFICATE

*This is to certify that the Village Attachment Report entitled: "**Forest Attachment Report of Surguja Forest Division , Tamorpingla Wildlife sanctuary (Elephant Reserve) surguja Chhattisgarh**" has been submitted for partial fulfillment of Degree of **Bachelor of science in Forestry** to the Department of Forestry, Wildlife and Environmental Sciences, Guru Ghasidas Vishwavidyalaya Bilaspur, Chhattisgarh carried out by **Mr. KIIILESHWAR SINGH, S/O Mr. VRIKSHA SINGH , Student of B.SC. Forestry 8th Semester** (Roll No. 20007028) Under my supervision.*

His work was appreciable and satisfactory. I wish him success in future academic endeavors.

13/05/2024

Dr. Gunjan patil
Assistant Professor
Department of Foresty ,Wildlife and Environmental Sciences
Guru Ghasidas Vishwavidyalaya ,
Bilaspur (C.G.)

CONTENT

S.NO.	CONTENT	PAGE NO.
CHAPTER:-1	**INTRODUTION IN FOREST** 1.1 Indian Forest 1.2 Forest In Chhattisgarh 1.3 Chhattisgarh Forest Department	09-14
CHAPTER:-2	**TAMORPINGLA WILDLIFE SANCTUARY (ELEPHANT RESERVE)** 2.1 Tamorpingla Wildlife Sanctuary 2.2 Tamorpingla Wildlife Sanctuary Total Area 3.3 Range 4.4 Transect And Trail Survey 4.5 Geography & History 4.6 Flora 4.7 Founa 4.8 Terrain & Rivers 4.9 Access 4.10 Conclusions	15-21
CHAPTER:-3	**ELEPHANT RESCUE & REHABILITATION CENTRE PINGLA** 3.1 Work for Rescue Elephants 3.2 Centre for Elephants care 3.3 Elephants Feeding System 3.4 Human- Elephant Conflict in Surguja Division	22-28
CHAPTER:-4	**WORKING PLAN** 4.1 Introduction 4.2 Scope Of A Working Plan 4.3 Formations Of Working The Plan 4.4 Types Of A Working Plan 4.5 Field Work For Working Plan Formulation 4.6 Conclusion	29-38
CHAPTER:-5	**NURSERY MANAGEMENT** 5.1 Introductions 5.2 Detailed About Visited Nursery	34-38

	5.3 Conclusion	
CHAPTER:-6	**WOOD DEPOT WADRAFNAGAR** 6.1 Introduction 6.2 Operation Carried Out At Wood Depot 6.3 Delivery Of Wood At Wood Depot 6.4 Measurement of Wood At Depot 6.5 Classifications of Wood 6.6 The Criteria for The Classifications of Timbers Into Logs And Poles Are As Follow 6.7 Grading Of Woods 6.8 Record Keeping 6.9 Staking Of Fuel Wood 6.10 Management Of Bamboo In Wood Depot 6.11 Set Up Price Determine 6.12 Auctions Procedure In Brief	39-46
CHAPTER:-7	**REFERENCE**	47

A
REPORT IN
IDUSTRIAL TRAINING
BILASPUR CHHATTISGARH

(A Report On Forest Institute & Industrial Training)

SUBMITTED FOR PARTIAL FULFILMENT FOR THE REQUIREMENT OF BACHELOR DEGREE IN FORESTRY

(Session:- 2023-24)

SUBMITTED TO:
Dr. Gunjan Patil
Assistant Professor
Dept. of Forestry Wildlife and Environmental Sciences

SUBMITTED BY:
Khileshwar Singh
B.SC Forestry 8th Semester
Roll no. - 20007028
Enroll. No. GGV/20/06529

Department of Forestry , Wildlife and Environmental sciences
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR CG. 495009
(A Central University Established Under Central University Act 2009, No. 25 of 2009)

गुरू घासीदास विश्वविद्यालय, बिलासपुर छत्तीसगढ़
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR

(A Central University Established By The Central Universities Act 2009 No. Of 2009)

CERTIFICATE

I have great pleasure certifying that ***Mr. Khileshwar Singh S/O Mr. Vriksha Singh*** *is a regular student of* ***B.SC. Forestry 8th semester*** *during the session of 2023-24 of Department of* ***Forestry, Wildlife and Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur.*** *He has complete this on training entitled* ***"Training Report On Industrial Training"*** *during this semester under my guidance.*

I wish him all the success in his academics.

13/05/2024

Dr. Gunjan Patil
Assistant Professor
Department Of Forestry,
Wildlife & Environmental
Sciences
GGV Bilaspur

CONTENT

SN.	CONTENT	PAGE NO.
CHAPTER:-1	**MUSHROOM PRODUCTION AND ITS WASTE MANAGEMENT** 1.1- MUSHROOM 1.2- MUSHROOM FARMING/CULTIVATION 1.3- MAKING MUSHROOM COMPOST 1.4- FINISHING THE COMPOST 1.5- SPAWNING 1.6- PHASE 3RD & PHASE 4TH COMPOST 1.7- CASING 1.8- CROPING 1.9- NUTRIENTS 1.10- MUSHROOM WASTE MANAGEMENT 1.11- VERMICOMPOST UNIT 1.12- CONCLUSION	7-20
CHAPTER:-2	**BAMBOO ART AND WOOD BASED NOVEL PRODUCT** 2.1- INTRODUCTION 2.2- BAMBOO ART 2.3- PROCESSING OF BAMBOO ART 2.4- TOOLS USED IN BAMBOO ART 2.5- BAMBOO CRAFT MADE BY STUDENTS **2.6- WOOD BASED NOVEL PRODUCT** 2.7- WOOD BASED CRAFT 2.8- WOOD CRAFT SPECIES 2.9- WOOD CRAFT MADE BY STUDENTS	21-28
CHAPTER:-3	**CONCLUSION**	29

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

FOREST ATTACHMENT REPORT

Submitted for partial fulfillment of requirement of the Bachelor of Science in Forestry

(Session 2023-2024)

Under the supervision of-

Dr. Gunjan Patil

Assistant Professor
Department of Forestry, Wildlife and Environmental Sciences
GGV,Bilaspur (C.G.)

Submitted by-

Kishan Chandra
B. Sc Forestry
8th Semester
Roll no- 20007029
Enrollment no- GGV/20/06530

DEPARTMENT OF FORESTRY WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR, CHHATTISGARH

(A Central University Established Under Central University Act 2009, No. 25 Of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

Certificate

This is to certify that the **"Forest attachment report"**has been submitted for the partial fulfilment of Degree of Bachelor of Science in Forestry to the Department of Forestry, Wildlife and Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh carried out by Mr. **Kishan Chandra** B.Sc. Forestry, VIII Semester (Roll no.-20007029) under my supervision.

His work was appreciable and satisfactory. I wish him success in future academic endeavours.

Dr. Gunjan Patil
14/08/2024
Assistant Professor
Department of Forestry, Wildlife and Environmental Sciences
GGV, Bilaspur (C.G.)

Declaration

I hereby declare that the project work entitled "**Forest Attachment Report**"submitted to Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh is the record of an original work done by me under the guidance of **Dr. Gunjan patil** and this project work has been formed for the award of Bachelor of Science Degree in Forestry.

Kishan Chandra
B. Sc Forestry
8th Semester
Roll no- 20007029
Enrollment no- GGV/20/06530

Acknowledgement

First of all, I would like to thank ' God ' who bestowed me with patience and favorable conditions and circumstances to achieve this feat.

I express my profound indebtness to Department of Forestry, Wildlife &Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for providing me all the necessary facility to complete my project work.

I pay my deep regards to **Prof. Dr. S.C.Tiwari,Dean, School of Natural Resources,** Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for his constant help and academic encouragement.

I express my deep regards to **Dr. K.K. Chandra, Head, Department of Forestry,** Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya,Bilaspur, Chhattisgarh for his valuable guidance and comments.

I express my deep sense of gratitude and thanks to my supervisor **Dr. Gunjan Patil, Assistant Professor,** Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for her inspiring guidance, analytical powers and much needed critical comments during entire study period.

I pay my thanks to my teachers and staff members of the department for their constant encouragement, guidance and support for completion of this work.

I am highly obliged to my worthy parents, without their blessings and support this work would not have seen the light of the day. I also express my thanks to family members, friends which have helped me during my field observations.

Kishan Chandra

B.Sc. Forestry 8th Semester

CONTENT:

Page no.

Chapter-1 1-11

- Introduction of Forest
- Forest of Chhattisgarh
- Forest cover in Chhattisgarh
- Types of forest
- Forest of Korba Division
- Forest Administration

Chapter-2 12-22

WOOD DEPOT

- Introduction
- Management of forest wood depot
- Timber Grading
- Stocking
- Major species found in wood depot
- Processing of selling
- Casting

Chapter-3 23-32

FOREST NURSERY

- Introduction of forest nursery
- Advantages of forest nursery
- Site selection of nursery
- Nursery layout
- Preparation of nursery beds

- Types of nursery beds
- Media composition
- Plant species in nursery Care and management of nursery plants
- Equipments using in forest nursery
- Insect-pest and Diseases in nursery plants
- Price of plants

Chapter-4 33-38

MINOR FREST PRODUCTION-TENDU LEAVES

- Introduction
- Tendu pruning
- Production of tendu leaves

Chapter-5 39-43

FOREST FIRE

- Introduction
- Causes of forest fire
- Types of monitoring forest fire
- Effects of forest fire
- Controlling forest fire

"Industrial Training /Institutional Training" REPORT

Submitted for partial fulfillment of requirement of the Bachelor of Science in Forestry

(Session 2023-2024)

Under the supervision of-

Dr. Gunjan Patil

Assistant Professor
Department of Forestry, Wildlife and Environmental Sciences
GGV,Bilaspur (C.G.)

Submitted by-

Kishan Chandra
B. Sc Forestry
8th Semester
Roll no- 20007029
Enrollment no- GGV/20/06530

DEPARTMENT OF FORESTRY WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR, CHHATTISGARH

(A Central University Established Under Central University Act 2009, No. 25 Of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

Certificate

I have great pleasure certifying that **Mr. Kishan Chandra** is a regular student of B.SC. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Science, Guru Ghashidas Vishwavidyalaya, Bilaspur. He has complete this on training entitled " Training Report On Industrial training" during this semester under my guidance.

UNDER SUPERVISION:

14/05/2024

Dr. Gunjan Patil

Assistant Professor
Department of Forestry, Wildlife and Environmental Sciences
GGV, Bilaspur (C.G.)

Declaration

I hereby that the project work entitled **"Training Report On Industrial Training"** Submitted to Department of Forestry, Wildlife & Environmental Science, Guru Ghashidas Vishwavidyalaya, Bilaspur is a record of an original work done by me under the guidance of **Dr. Gunjan Patil** and this project work has been performend for the award of bachelor's degree in Forestry.

Kishan Chandra
B. Sc Forestry
8th Semester
Roll no- 20007029
Enrollment no- GGV/20/06530

Acknowledgement

First of all, I would like to thank 'God' who bestowed me with patience and favorable conditions and circumstances to achieve this feat.

I express my profound indebtness to Department of Forestry, Wildlife &Environmental Sciences, Guru GhasidasVishwavidyalaya, Bilaspur, Chhattisgarh for providing me all the necessary facility to complete my project work.

I pay my deep regards to **Prof. Dr. S.C. Tiwari,Dean, School of Natural Resources**, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for his constant help and academic encouragement.

I express my deep regards to **Dr. K.K. Chandra, Head, Department of Forestry,** Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya,Bilaspur, Chhattisgarh for his valuable guidance and comments.

I express my deep sense of gratitude and thanks to my supervisor **Dr. Gunjan Patil, Assistant Professor,** Department of Forestry, Wildlife & Environmental Sciences, Guru GhasidasVishwavidyalaya, Bilaspur, Chhattisgarh for her inspiring guidance, analytical powers and much needed critical comments during entire study period.

I pay my thanks to my teachers and staff members of the department for their constant encouragement, guidance and support for completion of this work.

I am highly obliged to my worthy parents, without their blessings and support this work would not have seen the light of the day. I also express my thanks to family members, friends which have helped me during my field observations.

Kishan Chandra

Bsc. Forestry 8th Semester

CONTENT:

Page no.

Chapter-1 1-5

SAW MILL

- Introduction
- Machine used in Sawmill
- Price of Chiran in Sawmill
- Products of wood

Chapter-2 5-16

CHHATTISGARH HERBALS

- Introduction
- Status of Sanjiveeni mart, Chhattisgarh
- Tagging
- Products and their uses
- Price of the products

SOCIO-ECONOMIC REPORT

Submitted for partial fulfillment of requirement of the Bachelor of Science in Forestry

(Session 2023-2024)

Under the supervision of-

Dr. Gunjan Patil

Assistant Professor
Department of Forestry, Wildlife
and Environmental Sciences
GGV,Bilaspur (C.G.)

Submitted by-

Kishan Chandra
B. Sc Forestry
8th Semester
Roll no- 20007029
Enrollment no- GGV/20/06530

DEPARTMENT OF FORESTRY WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR, CHHATTISGARH

(A Central University Established Under Central University Act 2009, No. 25 Of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के द्वारा स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

Certificate

This is to certify that the **"Socio-economic survey of village- Chhinkona, korba, chhattisgarh"** has been submitted for the partial fulfilment of Degree of Bachelor of Science in Forestry to the Department of Forestry, Wildlife and Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh carried out by Mr. **Kishan Chandra** B.Sc. Forestry, VIII Semester (Roll no.-20007029) under my supervision. His work was appreciable and satisfactory. I wish him success in future academic endeavours.

UNDER SUPERVISION:

14/05/2024

Dr. Gunjan Patil

Assistant Professor
Department of Forestry, Wildlife and Environmental Sciences
GGV, Bilaspur (C.G.)

Declaration

declare that the project work entitled "**Traning report on Village attachment report: Socio-Economic survey of Village- Chhinkona**"submitted to Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh is the record of an original work done by me under the guidance of **Dr. Gunjan patil** and this project work has been formed for the award of Bachelor of Science Degree in Forestry.

Kishan Chandra
B. Sc Forestry
8th Semester
Roll no- 20007029
Enrollment no- GGV/20/06530

Acknowledgement

First of all, I would like to thank ' God ' who bestowed me with patience and favorable conditions and circumstances to achieve this feat.

I express my profound indebtness to Department of Forestry, Wildlife &Environmental Sciences, Guru GhasidasVishwavidyalaya, Bilaspur, Chhattisgarh for providing me all the necessary facility to complete my project work.

I pay my deep regards to Prof. **Dr. S.C. Tiwari,Dean, School of Natural Resources,** Guru GhasidasVishwavidyalaya, Bilaspur, Chhattisgarh for his constant help and academic encouragement.

I express my deep regards to **Dr. KK Chandra, Head, Department of Forestry,** Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for his valuable guidance and comments.

I express my deep sense of gratitude and thanks to my supervisor **Dr. Gunjan Patil, Assistant Professor,** Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for her inspiring guidance, analytical powers and much needed critical comments during entire study period.

I pay my thanks to my teachers and staff members of the department for their constant encouragement, guidance and support for completion of this work.

I am highly obliged to my worthy parents, without their blessings and support this work would not have seen the light of the day. I also express my thanks to family members, friends which have helped me during my field observations.

Kishan Chandra

Bsc. Forestry 8th Semester

Contents

	Page number
Chapter-1 • Introduction • Objective • Socio economic assessment	1-3
Chapter-2 • Methodology	4-6
Chapter-3 • Finding of survey	7-12
Chapter-4 • Village infrastructure	13-21
Chapter-5 • Government schemes	22
Chapter- 6 • Status of women	23
Chapter-7 • SWOT analysis	24-25
Chapter-8 • Conclusion • Recommendation	26

Signed by Head and Supervisor

Contents/

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A TRAINING REPORT ON

FOREST ATTACHMENT IN RAJNANDGAON FOREST DEVISION

(FOREST OPERATIONS WORK EXPERIENCE)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORESTRY

(SESSION: 2024-25)

UNDER THE SUPERVISION OF:

DR. GUNJAN PATIL

Assistant Professor

Department of Forestry, Wildlife & Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

KOMAL KHUNTE

B.Sc. Forestry 8th Semester

Enroll. No. GGV/20/06531

Roll No. 20007030

Department of Forestry, Wildlife & Environmental Science

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that the Forest operations work experience report entitled: **"FOREST ATTACHMENT IN RAJNANDGAON FOREST DEVISION "** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry. Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, C attisgarh has been carried out by **Ms. KOMAL KHUNTE of B.Sc. Forestry 8th Semester, and Enrollment No. (GGV/20/06531)**

under my supervision.

I wish her all the success in her future academic endeavors.

13/05/2024

DR. GUNJAN PATIL
Assistant Professor
Department of Forestry, Wildlife
& Environmental Science
GGV, Bilaspur (C. G.)

CONTENTS

CHAPTER -1		**Forest in Chhattisgarh**	8-10
	1.1	Forest in Chhattisgarh	
	1.2	Forest cover in c.g	
	1.3	Chhattisgarh forest department	
	1.4	Forest head	
CHAPTER - 2		**Mangata wildlife park**	11-14
	2.1	Basic detaul	
	2.2	introduction	
	2.3	Biodivercity in mangata	
	2.4	Chiuldren parks	
	2.6	Tent houses & resorts	
CHAPTER - 3		**Biodiversity in mangata**	15-16
	3.1	Introduction	
	3.2	Fllora founa	
	3.3	Tree species	
	3.4	Anumals	
CHAPTER – 4		**Line trsansect suirvey**	17-18
	4.1	Line transect survey	
	4.2	Equipment	
	4.3	Line transact	
	4.4	Habitat assesment	
	4.5	Sign survey	
	4.6	Pugmark identificxation	
CHAPTER - 5		**Forestt management in mangata**	19-21
	5.1	Objective	
	5.2	Jungle safari	
	5.3	Children garden	
	5.4	Ammount reimbursed	
	5.5	Manav divas	
	5.6	Herbal products	
	5.7	Other info.	
CHAPTER - 6		Working plan	22-25
	6.1	**Scop of working pan**	
	6.2	**Procedure**	
	6.3	**Tendu leaves collection**	
	6.4	**Working circle**	

	6.5	Central depot	
	6.6	Chalan	
	6.7	Wood species	
CHAPTER – 7		Nursery	**26-27**
	7.1	management	
	7.2	Types of bed	
	7.3	Procedure	
	7.4	Basic info	
	7.5	Species in nurseery	
	7.6	Bed preparation	
CHAPTER –		Mahua processing center	**28-29**
	8.1	Introduction	
	8.2	Basic info	
	8.3	Herbal products	
	8.4	Machines	
	8.5	foods process	
CHAPTER - 9		**Conclusion**	**30**

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

A REPORT ON
FOREST INSTITUTE AND INSTITUTIONAL TRAINING

Submitted for Partial Fulfilment of Requirement for the degree the

Bachelor of Science In Forestry

(SESSION: 2024-25)

UNDER THE SUPERVISION OF:

Dr. gunjan patil
Assistant Professor
Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Komal khunte
B.Sc. Forestry 8th Semester
Enroll. No. GGV/20/06531
Roll No. 20007030

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDASVISHWAVIDYALAYABILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009,No. 25 of 2009)

DEPARTMENT OF FORESTRY WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009,No. 25 of 2009)

CERTIFICATE

This is to certify that **Ms. Kon. khunte** D/o **Mr. Shriram khunte** bearing Enrollment No.–GGV/20/06531 of Department of Forestry, Wildlife and Environmental Sciences has completed this training entitled " **Training report on Forest institute and institutional training** " under my guidance .

I wish him all the success in her academics.

13/05/2021

Dr. Gunjan Patil
Assistant Professor
Department of Forestry,
GGV, Bilaspur.

CONTENT

CHAPTER-1		INTRODUCTION	6-7
	1.1	Forest institute	
	1.2	institutional training	
CHAPTER -2		BAMBOO AND WOODEN ART	8-12
	1.1	Bamboo art	
	1.2	Bamboo	
	1.3	Objective of the bamboo art	
	1.4	Tools use in bamboo art	
	1.5	Bamboo crafts made by students	
	1.6	Wood art	
	1.7	Wood based novel products	
	1.8	Wood crafts species	
	1.9	Wood crafts	
CHAPTER-3		Mushroom Production	13-21
	2.1	Introduction	
	2.2	Benefit of mushroom	
	2.3	Structure of Mushroom	
	2.4	Life cycle of Mushroom	
	2.5	Types of Edible Mushroom	
	2.6	Production of Mushroom(3 type of mushroom)	
	2.7	Procedure	
	2.8	Veremicompost	
CHAPTER-10		Conclusion	22
CHHAPTER-11		Reference	23

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

A REPORT ON

SOCIO ECONOMIC SURVEY OF NIRT, VILLAGE BILASPUR CHHATTISGARH

(VILLAGE SURVEY REPORT)

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENT OF THE BACHELOR OF SCIENCE IN FOESTRY

SESSION : 2024

UNDER THE SUPERVISION OF:
DR. GUNJAN PATIL
ASSISTANT PROFESSOR,
DEPARTMENT OF FORESTRY,
WILDLIFE AND ENVIRONMENTAL
SCIENCES GGV, BILASPUR.

SUBMITTED BY
KOMAL KHUNTE
B.SC. FORESTRY 8TH SEMESTER
ROLL NO. 20007030
ENROLMENT NO.GGV/20/06531

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHAWAVIDYALAYA, KONI, BILASPUR, (C.G)
(A CENTRAL UNIVERSITY
ESTABLISHMENT UNDER CENTRAL UNIVERSITY ACT 2009, NO.25 OF 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009

CERTIFICATE

This is to certify that Ms. Komal khunte D/o Mr.shriram khunte, bearing Enrollment No.– GGV/20/06531 of Department of Forestry, Wildlife and Environmental Sciences has completed this training entitled **"Training report on Socio –economic Survey of Village nirtu"** under my guidance.

I wish her all the success in ~~his~~ her academics.

13/05/2024

Dr. Gunjan Patil

Assistant Professor

Department of Forestry,

GGV, Bilaspur.

CONTENTS

CHAPTER-1		**Introduction**	**1-3**
	1.1	Socio-Economic Survey	
	1.2	Definition	
	1.3	Importance of socio-economic survey	
	1.4	Socio-Economic assessment	
	1.5	Aim of the survey	
	1.6	Objective of the survey	
CHAPTER-2		**Methodology**	**4-7**
		Methodology adopted for survey	
	2.1	Selection of the area	
	2.2	Developing baseline conditions	
	2.3	Designing a questionnaire form	
	2.4	Data collection from Primary source	
	2.5	Data collection from Secondary Source	
	2.6	Data entry and verification	
	2.7	Data analysis and representation	
CHAPTER-3		**Village Profile**	**8-19**
	3.1	General profile of the village	
	3.2	Map of village	
	3.3	Village infrastructure	
CHAPTER-4		**Demographic Profile**	**20-30**
	4.1	Demographic and resource data of Village	
	4.2	Population status	
	4.3	Social anatomy	
	4.4	Poverty status	
	4.5	Housing pattern	
	4.6	Educational status	
	4.7	Literacy rate	
	4.8	Occupation and employment	
	4.9	Source of water	
	4.10	Cooking status	
	4.11	Livestock	
	4.12	Technology	
	4.13	Land utilization pattern	
	4.14	Government schemes	
CHAPTER-5		**Obervation**	**31**
CHAPTER-6		**Conclusion**	**32**
CHAPTER-7		**Suggetion**	**33**
		References	**34**

TRAINING REPORT

Forest Institution and Industrial Training

SESSION 2023-24

SUBMITTED FOR PARTIALFULFILMENTFOR THE REQUIREMENTOF BACHELOR'S DEGREE IN FORESTRY

SUBMITTEDTO:
Dr. Gunjan Patil
Department of Forestry, Wildlife & Environmental Sciences

SUBMITTED BY:
Mr. Kshitij Anant
B.Sc. Forestry 8th Semester
Roll no: 20007031
Enrolment no:
GGV/20/06532

Department of Forestry, Wildlife and Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(Acentral university established under Central UniversitiesAct 2009, No. 25 of 2009)

Guru Ghasidas Vishwavidyalaya,Bilaspur(C.G.)

(A central university established under Central Universities Act 2009, No. 25 of 2009)

CERTIFICATE

I have great pleasure in certifying that ***Mr. Kshitij Anant*** *s/o* ***C. L. Anant*** *is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. He has completed this training entitled* ***"Forest Institute and Industrial Training".*** *during this semester under my guidance.*

I wish him all the success in his academics.

14/05/2024

Dr. Gunjan Patil
Department of Forestry
GGV ,Bilaspur

CONTENT

CHAPTER -1 {INTRODUCTION}

CHAPTER- 2{ BAMBOO}

INAUGURATION

Definition

Bamboo Art

Importance of Bamboo art

Objective of the Bamboo art

Processing of Bamboo art

Tools use in Bamboo art

Bamboo craft made by the students

WOOD BASED NOVEL PRODUCTS}

Wood based craft

Wood craft species

Wood craft tools

Wood craft made by the students

CHAPTER -3{MUSHROOM PRODUCTION }

Mushroom

Mushroom production and it's waste management

Economic importance of mushroom

Types of mushroom

Procedure

Pasteurization

Inoculation

Bagging and container preparation

Mushroom formation and harvesting

WASTE MANAGEMENT}

Substrate recycling

Anaerobic digestion • Vermicomposting

Ecological treatment

{CONCLUSION}

A REPORT ON
FIELD TRAINING (ATTACHMENT WITH STATE FOREST DEPARTMENT) BILASPUR CHHATTISGARH

Submitted for Partial Fulfilment of Requirement for the degree the Bachelorof Science In

Forestry

Session – 2023-24

Under the Supervision of:
Dr.Gunjan Patil
Department of Forestry, Wildlife & Environment Sciences

Submitted By:
Kshitij Anant
B.Sc. Forestry 8th semester
Roll.no.:20007031
Enrollment no.: GGV/20/06532

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certifying that **Mr. Kshitij Anant** D/o **Mr. C.L. Anant,** is a regular student of B.Sc. Forestry 8th semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences GGV, Bilaspur. He has completed this training entitled **"Training report on Field training (Attachment with state Forest Department)"** under my guidance.

I wish him all the success in his endevours.

14/05/2024

Dr. Gunjan Patil
Department of Forestry,
GGV, Bilaspur

CONTENT

S.NO.Z	TOPIC	PAGE NO.
1	CHAPTER 1: INTRODUCTION	6-9
2	CHAPTER 2: PARIVESH E-GREEN PORTAL FSI REPORT. WILDLIFE TRACKING REMOT SENSIN& GIS APPLICATION	10- 11
3	CHAPTER 3:UTILIZATION HONEY PROCESSING UNIT, MFP, C-MART	12-16
4	CHAPTER 4:REGIONAL GEOGRAPHICAL CENTER	17-19
5	CHAPTER 5: WOOD DEPOT	20-28
6	CHAPTER 6 NURSERY MANAGEMENT	29- 31
7	CHAPTER 7: BIODIVERSITY COSERVATION ACT	32-33
8	CHAPTER 8: WILD LIFE ZOO	34-36
9	CHAPTER 9: COCLUSION REFRENCES	37-38

A REPORT ON
FIELD TRAINING (ATTACHMENT WITH STATE FOREST DEPARTMENT)
BILASPUR CHHATTISGARH

Submitted for Partial Fulfilment of Requirement for the degree the Bachelored Science In Forestry

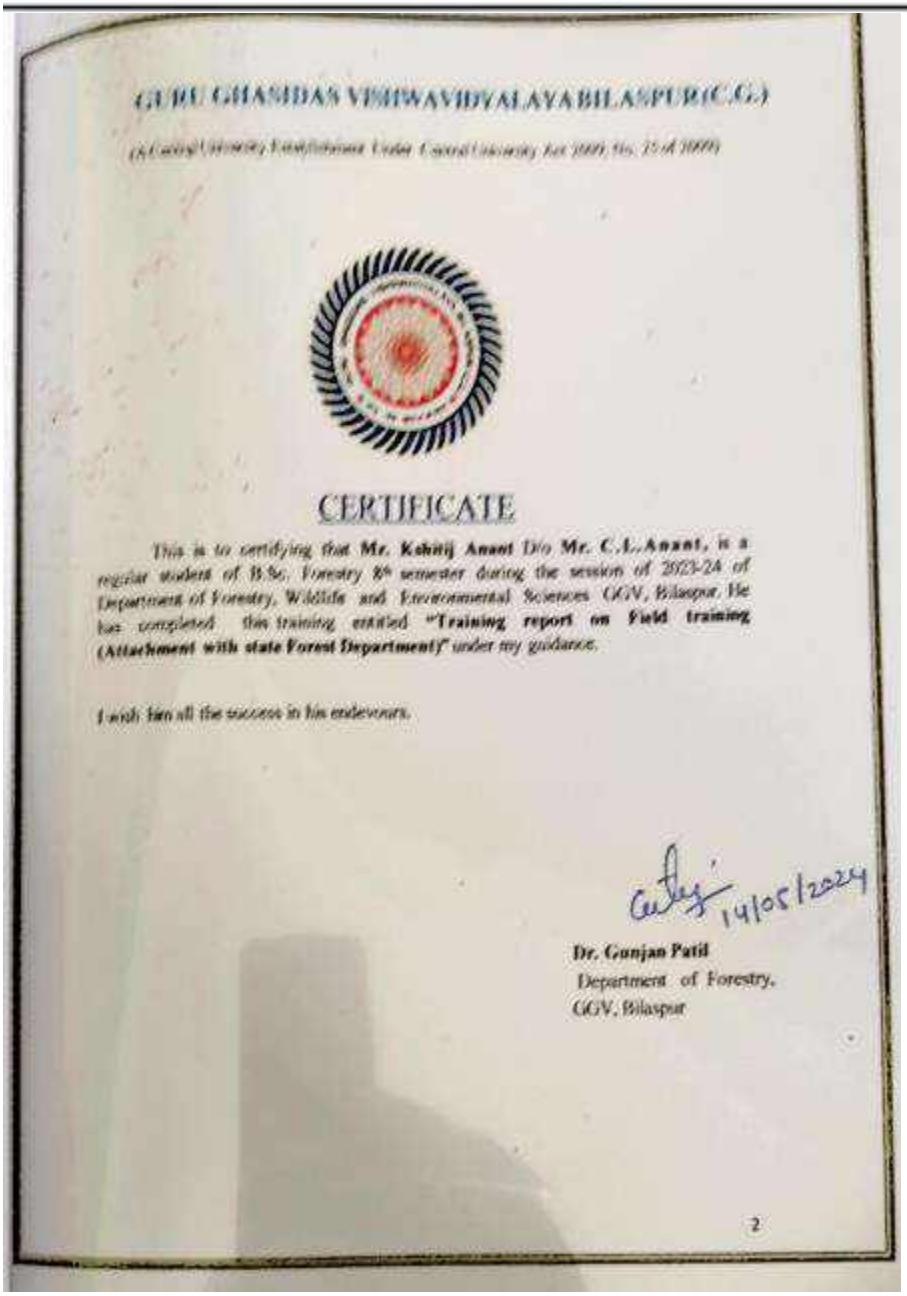
Session – 2023-24

Under the Supervision of:
Dr.Gunjan Patil
Department of Forestry, Wildlife & Environment Sciences

Submitted By:
Kshitij Anant
B.Sc. Forestry 8th semester
Roll.no. 20007031
Enrollment no.: GGV/20/06532

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)



GURU GHASIDAS VISHWAVIDYALAYA BILASPUR(C.G.)

(A Central University Established Under Central University Act 2009 No. 25 of 2009)

CERTIFICATE

This is to certifying that **Mr. Kshitij Anant** D/o **Mr. C.L.Anant**, is a regular student of B.Sc. Forestry 8th semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences GGV, Bilaspur. He has completed the training entitled **"Training report on Field training (Attachment with state Forest Department)"** under my guidance.

I wish him all the success in his endevours.

14/05/2024

Dr. Gunjan Patil
Department of Forestry,
GGV, Bilaspur

CONTENT

S.NO.Z	TOPIC	PAGE NO.
1	CHAPTER 1: INTRODUCTION	6-9
2	CHAPTER 2: PARIVESH E-GREEN PORTAL FSI REPORT. WILDLIFE TRACKING REMOT SENSIN& GIS APPLICATION	10- 11
3	CHAPTER 3:UTILIZATION HONEY PROCESSING UNIT, MFP, C-MART	12-16
4	CHAPTER 4: REGIONAL GEOGRAPHICAL CENTER	17-19
5	CHAPTER 5: WOOD DEPOT	20-28
6	CHAPTER 6 NURSERY MANAGEMENT	29- 31
7	CHAPTER 7: BIODIVERSITY COSERVATION ACT	32-33
8	CHAPTER 8: WILD LIFE ZOO	34-36
9	CHAPTER 9: COCLUSION REFRENCES	37-38

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

SOCIO-ECONOMIC SURVEY OF CHHINKONA VILLAGE, KORBA, CHHATTISGARH PIN - 493404

(VILLAGE ATTACHMENT REPORT)

Submitted for partial fulfilment of requirement for the degree of Bachelor of Science Forestry

(SESSION : 2023-24)

Supervised by
Dr. Gunjan Patil
Assistant professor
Department of Forestry, Wildlife
& Environmental Sciences
GGV, Bilaspur (C.G.)

Submitted by
Kumar Shashwat
B.Sc. Forestry VIIIth Semester
Roll No. - 20007032
Enroll No - GGV/20/6533

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G)
(A Central University Established Under Central University Act 2009, No.25 of 2009)
BILASPUR-495009, CHHATTISGARH

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR-495009, (C.G)
(A central university established under Central Universities Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that the Village Attachment Report entitled: **"Socio-Economic Survey of Chhinkona Village, Korba, C.G"** has been submitted for the partial fulfilment of Degree of **Bachelor of Science in Forestry** to Department of Forestry, Wildlife & Environmental Science, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Mr. Kumar Shashwat S/O Mr. Prahlad Singh, student of B. Sc. Forestry, VIII^th^ Semester** (Roll No. 20007032) under my supervision.

His work was appreciable and satisfactory. I wish him all the success in his future academic endeavors.

14/05/2024

Dr. Gunjan Patil
Assistant professor
Department of Forestry, Wildlife
& Environmental Sciences
GGV, Bilaspur (C.G.)

CONTENTS

CHAPTER-1		**Introduction**	**1-3**
	1.1	Socio-Economic Survey	
	1.2	Importance of socio-economic survey	
	1.3	Socio-Economic assessment	
	1.4	Aim of the survey	
	1.5	Objective of the survey	
CHAPTER-2		**Methodology**	**4-7**
	2.1	Selection of the area	
	2.2	Developing baseline conditions	
	2.3	Designing a questionnaire form	
	2.4	Data collection from Primary source	
	2.5	Data collection from Secondary Source	
	2.6	Data entry and verification	
	2.7	Data analysis and representation	
CHAPTER-3		**Village Profile**	**8-28**
	3.1	General profile of the village	
	3.2	Map of village	
	3.3	Village infrastructure	
CHAPTER-4		**Demographic Profile**	**29-39**
	4.1	Demographic and resource data of Village	
	1.	Population status	
	2.	Social anatomy	
	3.	Poverty status	
	4.	Housing pattern	
	5.	Educational status	
	6.	Literacy rate	
	7.	Occupation and employment	
	8.	Source of water	
	9.	Cooking status	
	10.	Livestock	
	11.	Technology	
	12.	Land utilization pattern	
	13.	Government schemes	
CHAPTER-5		**Obervation**	**40**
CHAPTER-6		**Conclusion**	**41**
CHAPTER-7		**Suggetion**	**42**
		References	**43**

A REPORT ON
FOREST INSTITUTE & INDUSTRIAL TRANING BIASPUR, CHATTISHGARH

(INDUSTRIAL SURVEY REPORT)

Submitted for Partial Fulfillment of Requirement for the degree the Bachelor of Science
Forestry

2021-2024

Under the Supervision of:
Dr. Gunjan Patil
(Assistant Professor)
Department of Forestry, Wildlife and Environ. Sciences
GGV, Bilaspur.

Submitted By:
Kumar Shashwat

B.Sc. Forestry 8th Sem.
Roll No. 20007032
Enroll. No. GGV/20/06533

DEPARTMENT OF FORESTRY WILDLIFE AND ENVIRO. SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR
(C.G.)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

Department of Forestry, Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)
(A Central University Establishment under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that the forest institute and industrial training visit report entitled: "Training report on Forest Institute and Industrial training" submitted for the partial fulfillment of Degree of Bachelor of Science in **Forestry** to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Mr. Kumar Shashwat of B.Sc. Forestry, 8th Semester (Enrolments No. GGV/20/06533)** under my guidance and supervision.

I wish him all the success in his future academic endeavors.

14/05/2024

Dr. Gunjan Patil
(Assistant Professor)
Department of Forestry,
Wildlife &
Environmental Sciences
GGV, Bilaspur, (C.G.)

CONTENT

S.NO.	DATE	TOPIC	PAGE NO.
1.	28/02/2024	CHAPTER1:- BAMBOO ART AND WOOD BASED PRODUCTS • IMPORTANCE OF BAMBOO ART • OBJECTIVES OF THE BAMBOO ART • PROCESSING OF BAMBOO ART • TOOLS USED IN BAMBOO ART • WOOD BASED NOVEL PRODUCTS • WOOD BASED CRAFTS • WOOD CRAFT SPECIES • WOOD CRAFTS	1-7
2.	29/02/2024	CHAPTER 2 :- TRANING ON MUSHROOM PRODUCTION AND ITS WASTE MANAGEMENT • IMPORTANCES OF MUSHROOM • TYPES OF MUSHROOMS • Material Required for cultivation • CULTIVATION OF OYSTER MUSHROOM • CULTIVATION OF PADDY MUSHROOM • CULTIVATION OF MILKY MUSHROOM • MARKETING OF MUSHROOM • MARKETING OF MUSHROOM • WASTE MANAGEMENT OF MUSHROOMS AND VERMICOMPOST	8-19
3.		CONCLUSION AND REFRENCES	20

A REPORT ON
FOREST ATTACHMENT IN MARWAHI FOREST DIVISION
GPM (C.G.)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE FORETRY

SESSION-2023-24

UNDER THE SUPERVISION OF:

Dr. Gunjan Patil
Assistant Professor
Department of Forestry, Wildlife& Environmental Science
GGV, Bilaspur, (C.G.)

SUBMITTEDBY:

Kumar Shashwat
B.Sc. Forestry 8th Semester
Enroll. No. GGV/20/06533
Roll No. 20007032

Department of Forestry, Wildlife & Environmental Sciences
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR(C.G.)
(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: **"FOREST ATTACHMENT OF MARWAHI FOREST DIVISION, GPM, CHHATTISGARH"** submitted for the partial fulfillment of the Degree of **Bachelor of Science in Forestry to the Department of Forestry, Wildlife and Environmental science, GURU GHASHIDAS VISHWAVIDYLAYA, BILASPUR (C.G)** has been carried out by **Kumar Shashwat** of **B.Sc. FORESTRY 8th Semester, Roll No: 20007032** under my guidance and supervision.

I Wish him all the success in his future academic endeavors.

14/05/24

Under Supervision of
DR. Gurjan Patil
Assistant Professor

Department of Forestry Wildlife and Environmental Sciences,
Guru Ghasidas Vishwavidyalaya, Bilaspur

CONTENTS

S.No	Chapter	Page No
1	Forest in Chhattisgarh	1-5
2	Introduction of Raigarh Forest Area	7-6
3	Forest Wood Depot	8-18
4	Forest Nursery	19-28
5	WaterShead Management , Wildlife Management & Non-Timber Forest Produces & Management	29-36
6	Coup Felling Area / Working Circle Area	37-40
7	Working Plain	41-46
8	Conclusion	47
9	References	48

A REPORT ON

FOREST INSTITUTE AND INSTITUTIONAL TRAINING

Submitted for Partial Fulfilment of Requirement for the degree the

Bachelor of Science In Forestry

Session _ 2023-24

Under the Supervision of:

Dr. Gunjan Patil

Assistant Professor,
Department Of Forestry,Wildlife
And Environmental Sciences,
GGV,Bilaspur.

Submitted By:

Kusum Singh Parihar

Bsc.Forestry 8th Semester
Roll No. 20007033
Enrolment No.GGV/20/06534

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that **Ms. Kusum Singh Parihar** D/o **Mr. Dinesh Singh Parihar** bearing Enrollment No.–GGV/20/06534 of Department of Forestry, Wildlife and Environmental Sciences has completed this training entitled " **Training report on Forest institute and institutional training** " under my guidance .

I wish her all the success in her academics.

13/05/2024

Dr. Gunjan Patil
Assistant Professor
Department of Forestry,
GGV, Bilaspur.

INDEX

	Topic	No.
1.	Introduction to Chhattisgarh Forest Department: - Attachment with state forest department	8-13
1.1	Types of forest	
1.2	Objectives	
1.3	Forest administration	
1.4	Administrative classification	
1.5	Aims of forest administration	
1.6		
2.	Selection Cum Improvement Management Circle (SC felling:-	14-20
2.1	Selection Management	
2.2	Improvement Management	
2.3	Principle of SCI	
2.4	Benefits of SCI	
2.5	Advantage of coupe felling	
2.6	Procedure of coupe felling	
3.	Assisted Natural regeneration:-	21-25
3.1	Advantages	
3.2	Disadvantages	
3.3	Procedure of ANR	
4.	Forest Working Plan:-	26-34
4.1	Why there is need of working plan	
4.2	Objectives of working plan	
4.3	Scope of working plan	
4.4	Formulation of working plan	
4.5	Annual plan of operation	
4.6	Formation of working plan	
4.7	Field work for working plan formulation	
4.8	Forest Organization	
4.9	Management classification	

A REPORT ON

FOREST OPERATION WORK EXPERIENCE

(A Forest Attachment Report)

Submitted for Partial Fulfilment of Requirement for the degree

the Bachelor of Science

In

Forestry

Session _ 2023-24

Under the Supervision of:

Dr. Gunjan Patil

Assistant Professor,
Department Of Forestry, Wildlife
And Environmental Science,
GGV, Bilaspur.

Submitted By:

Kusum Singh Parihar

Bsc.Forestry 8th Semester
Roll No. 20007033
Enrolment No.GGV/20/06534

DEPARTMENT OF FORESTRY, WILDLIFE ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that **Ms. Kusum Singh Parihar** D/O **Mr. Dinesh Singh Parihar** bearing Enrollment No.–GGV/20/06534 of Department of Forestry, Wildlife and Environmental Sciences has completed this training entitled " **Forest operation and work experience ."(Attatchment with state Forest Department)**" under my guidance .

I wish her all the success in his academics.

13/05/202

Dr. Gunjan Patil
Assistant Professor
Department of Forestry,
GGV, Bilaspur.

CONTENT

S.NO.	TOPIC	PAGE NO.
Chapter 01	INTRODUCTION	2 – 5
Chapter 02	APICULTUREHONEY PRODUCTION	5 -10
Chapter 03	REGIONALGEOGRAPHIC CENTER	10 - 14
Chapter04	WORKING PLANOF FOREST	13 - 14
Chapter05	WOOD DEPOT	15 - 22
Chapter06	NYRSERYMANAGEMENT	23 - 25
Chapter07	ACHANAKMARTIGER RESERVE	26 -30
Chapter08	CONCLUSION	29
Chapter09	REFERENCE	30

A REPORT ON

SOCIO-ECONOMIC SURVEY OF GOKULPUR VILLAGE,BILASPUR CHHATTISGARH

(A Village Attachment Report)

Submitted for Partial Fulfillment of Requirment for the degree the

Bachelor of Science In Forestry

Session – 2023-24

Under the Supervision of:

Dr. GUNJAN PATIL
Assistant Professor,
Department of Forestry,
Wildlife and Environmental Sciences
GGV, Bilaspur.

Submitted By

KUSUM SINGH PARIHAR

B.Sc. Forestry 8th Semester
Roll No. 20007033
Enrolment No. GGV/20/06534

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University
Establishment Under Central University Act 2009, No. 25 of 2009)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that Ms. Kusum Singh Parihar D/o Mr. Dinesh Singh Parihar, bearing Enrollment No.– GGV/20/06534 of Department of Forestry, Wildlife and Environmental Sciences has completed this training entitled "**Training report on Socio –economic Survey of *Village Gokulpur***" under my guidance.

I wish her all the success in his academics.

13/05/2024

Dr. Gunjan Patil
Assistant Professor
Department of Forestry,
GGV, Bilaspur.

CONTENTS

CHAPTER - 1
INTRODUCTION Page: 6-11

- o Socio-Economic Survey
- o Definition
- o Importance of Socio-Economic survey
- o Socio-Economic assessment
- o Aim of the survey o Objectives of survey
- o Methodology adopted for survey

CHAPTER - 2
VILLAGE PORTRAIT Page: 12-15

- o General profile of the village
- o Map of the village
- o Village infrastructures

CHAPTER - 3
DEMOGRAPHIC PROFILE Page: 16-27

- o Population Status
- o Social Anatomy
- o Sex Ratio
- o Literacy Rate
- o Level of Education
- o Age of the Village
- o Household Pattern
- o Sanitation Status
- o Drainage Status
- o Compost Pit Status
- o Status of Water Source
- o Source of Energy (Lighting and Cooking)
- o Agricultural Practices

CHAPTER - 4 AWARENESS PROGRAM Page: 28-30
CHAPTER - 5 PROBLEMS Page: 30
CHAPTER - 6 SUGESSTIONS Page: 31
CHAPTER - 7 CONCLUSION Page: 32-33
CHAPTER - 8 REFERENCE Page: 34

VILLAGE ATTACHMENT REPORT

SUBMITTED FOR PARTIAL FULFILLMENT OF THE

DEGREE OF

BACHELOR OF SCIENCE IN FORESTRY

Academic session: 2023-2024

REPORT ON SOCIO-ECONOMIC SURVEY OF DAUKAPA VILLAGE, MUNGELI, CHHATTISGARH

Submitted To
Dr. Bhavana Dixit
Assistant Professor
Department of Forestry, Wildlife
& Environmental Sciences
GGV, Bilaspur

Submitted By
Madhurima Pal
B.Sc. Semester 8th
Roll no.: 20007034
Enrolment no.:
GGV/20/06535

GURU GHASIDAS VISHWAVIDYALAYA, Bilaspur (C.G.)

(A central university established under Central Universities Act 2009, No. 25 of 2009)

Department of Forestry, Wildlife & Environmental sciences

GURU GHASIDAS VISHWAVIDYALAYA, Bilaspur (C.G.)

(A central university established under Central Universities Act 2009, No. 25 of 2009)

Certificate

This is to certify that **Ms. Madhurima Pal**, D/O Mr. Benoy Pal, is a regular student of B.Sc. Forestry Semester 8th during the academic session of 2023-2024 of Department of Forestry, Wildlife & Environmental sciences, Guru Ghasidas Vishwavidyalaya. She has completed this Village attachment training entitled **"Report on Socio-economic survey of Daukapa village, Mungeli, Chhattisgarh"** during this semester under my guidance, in the partial fulfilment for the degree of Bachelor's Of Science in Forestry. It has been found to be satisfactory and hereby approved for submission.

14/05/24

Dr. Bhavana Dixit
Assistant Professor
Department of Forestry,
Wildlife and Environmental Science

CONTENT

Sl. No.	Topic	Page no.
1.	**CHAPTER-1** **INTRODUCTION** • Socio-economic Survey • Importance of Socio-economic survey • Socio-economic assessment • Aim of the survey • Objective of the survey • Methodology of the survey	8-13
2.	**CHAPTER-2** **VILLAGE POTRAIT** • General profile of the village • Map of the village • Village infrastructure	14-17
3.	**CHAPTER-3** **DEMOGRAPHIC PROFILE** • Population status • Social Anatomy • Sex ratio • Literacy rate • Level of Education • Age-class distribution • Household pattern • Sanitation Status • Drainage Status • Compost Pit Status • Source of Water • Energy: Lighting & Cooking • Agricultural practice	18-28
4.	**CHAPTER-4** **AWARENESS PROGRAM**	29-31
5.	**CHAPTER-5** **FINDINGS**	32-34
6.	**CHAPTER-6** **SUGGESTIONS**	35
7.	**CHAPTER-7** **CONCLUSIONS**	36-38
8.	**CHAPTER-8** **REFERENCE**	39

FOREST ATTACHMENT REPORT

(Attachment with State Forest Department)

SUBMITTED FOR PARTIAL FULFILLMENT OF THE

DEGREE OF

BACHELOR DEGREE IN FORESTRY

Academic Session: 2023-24

REPORT ON FOREST OPERATION WORK EXPERIENCE

Submitted To
Dr. Bhavana Dixit
Assistant Professor
Department of Forestry, Wildlife & Environment Sciences
GGV, Bilaspur

Submitted By
Madhurima Pal
B.Sc. Semester 8th
Roll no.: 20007034
Enrolment no.: GGV/20/06535

GURU GHASIDAS VISHWAVIDYALAYA, Bilaspur (C.G.)

(A central university established under Central Universities Act 2009, No. 25 of 2009)

Department of Forestry, Wildlife & Environmental sciences

GURU GHASIDAS VISHWAVIDYALAYA, Bilaspur
(C.G.)

(A central university established under Central Universities Act 2009, No. 25 of 2009)

Certificate

This is to certify that Ms. Madhurima Pal, D/O Mr. Benoy Pal, is a regular student of B.Sc. Forestry Semester 8th during the academic session of 2023-2024 of Department of Forestry, Wildlife & Environmental sciences, Guru Ghasidas Vishwavidyalaya. She has completed this Forest training entitled **"Forest Attachment Report: Attachment with State-forest department"**, a report on the Forest operation Work Experience, during this semester under my guidance, in the partial fulfilment for the degree of Bachelor's Of Science in Forestry. It has been found to be satisfactory and hereby approved for submission.

14/05/24

Dr. Bhavana Dixit
Assistant Professor
Department of Forestry,
Wildlife and
Environmental Science

INDEX

No.	Topic	Page no.
1.	**CHAPTER-1** **INTRODUCTION** • Chhattisgarh Forest Department • Attachment with Jashpur Forest Department • Types of forest • Objectives • Forest administration • Administrative classification • Aims of forest administration • Jashpur Forest Division • Schedule of Forest Attachment Training	9-16
2.	**CHAPTER-2** **WORKING PLAN** • Why there is need of working plan • Objectives of working plan • Scope of working plan • Annual plan of operation • Formation of working plan • Field work for working plan formulation • Forest Organization Management classification	17-23
3.	**CHAPTER-3** **SELECTION CUM IMPROVEMENT MANAGEMENT CIRCLE (SCI) COUPE FELLING** • Selection Management • Improvement Management • Principles of SCI • Benefits of SCI • Advantage of coupe felling • Procedure of coupe felling • Field visit	24-34

4.	**CHAPTER-4** **ASSISTED NATURAL REGENERATION (ANR)** • Advantages • Disadvantages • Procedure of ANR: ➢ Cattle Proof Trench (CPT) ➢ Cattle Proof Wall (CPW) ➢ Cut-Back Operation (CBO) ➢ Adoption ➢ Contour Trench ➢ Contour Bund • Field details	35-39
5.	**CHAPTER-5** **NARVA VIKAS YOJANA** • Advantages • Procedure of Narva Vikas Yojana: ➢ Contour Trench ➢ Percolation Tank ➢ Earthen Dam ➢ Earthen Gully Plug ➢ Loose Boulder check-dam • Field details	40-36
6.	**CHAPTER-6** **BAMBOO SETUM** • Objectives • List of Bamboo Species in Mayali Nature Park • Advantages of Bamboo Setum • Methodology of bamboo setum • Field Details	37-44
7.	**CHAPTER-7** **WOOD DEPOT** • Objective of wood depots • Procedure of transportation of wood • Field details	45-49
8.	**CHAPTER-8** **CONCLUSION** • Strengths • Weaknesses • Opportunities • Threats	50-51
9.	**CHAPTER-9** **REFERENCES**	52

FOREST INSTITUTE AND INDUSTRIAL ATTACHMENT REPORT

SUBMITTED FOR PARTIAL FULFILLMENT OF THE

DEGREE OF

BACHELOR OF SCIENCE IN FORESTRY

Academic session: 2023-2024

REPORT ON FOREST INSTITUTE AND INDUSTRIAL VISIT

Submitted To
Dr. Bhavana Dixit
Assistant Professor
Department of Forestry, Wildlife & Environmental Sciences
GGV, Bilaspur

Submitted By
Madhurima Pal
B.Sc. Semester 8th
Roll no.: 20007034
Enrolment no.: GGV/20/06535

GURU GHASIDAS VISHWAVIDYALAYA, Bilaspur (C.G.)

(A central university established under Central Universities Act 2009, No. 25 of 2009)

Department of Forestry, Wildlife & Environmental sciences

GURU GHASIDAS VISHWAVIDYALAYA, Bilaspur (C.G.)

(A central university established under Central Universities Act 2009, No. 25 of 2009)

Certificate

This is to certify that Ms. Madhurima Pal, D/O Mr. Benoy Pal, is a regular student of B.Sc. Forestry Semester 8th during the academic session of 2023-2024 of Department of Forestry, Wildlife & Environmental sciences, Guru Ghasidas Vishwavidyalaya. She has completed this Industrial attachment training entitled **"Report on Forest Institute and Industrial visit"** during this semester under my guidance, in the partial fulfilment for the degree of Bachelor's Of Science in Forestry. It has been found to be satisfactory and hereby approved for submission.

11/05/24

Dr. Bhavana Dixit
Assistant Professor
Department of Forestry,
Wildlife and Environmental Science

CONTENT

Sl.No.	Topic	Page no.
1.	**CHAPTER-1** **INTRODUCTION**	7-8
2.	**CHAPTER-2** **WORKSHOP ON BAMBOO ART AND WOOD BASED NOVEL PRODUCTS** • Introduction 2.1 Bamboo 2.1.1 Characteristics of Bamboo 2.1.2 Bamboo Art 2.1.3 Requirements for Bamboo art 2.1.4 Procedure of Bamboo art 2.2 Wood based product 2.2.1 Wood working 2.2.2 Requirement for wood working 2.2.3 Procedure of wood working 2.3 Products from workshop	9-16
3.	**CHAPTER-3** **MUSHROOM PRODUCTION AND IT'S WASTE MANAGEMENT** • Introduction 3.1 Mushroom 3.2 Lifecycle of Mushroom 3.3 Mushroom: Types & Cultivation techniques A. Oyster Mushroom B. Paddy Mushroom C. Milky Mushroom 3.4 Waste Management	17-31
4.	**CHAPTER-4** **CONCLUSION**	32
5.	**CHAPTER-5** **REFERENCE**	33

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

DEPARTMENT OF FORESTRY,WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA, KONI ,BILASPUR,CHHATTISGARH
(A CENTRAL UNIVERSITY)

A REPORT ON

SOCIO ECONOMIC SURVEY OF VILLAGE BAIMA IN (VILLAGE ATTACHMENT) BILASPUR, CHHATTISGARH PINCODE - 495006

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELORE DEGREE OF SCIENCE IN FORESTRY

(SESSION:2023-2024)

UNDER THE SUPERVISION OF:
Dr. Bhavana Dixit
Assistant professor
Department of Forestry, wildlife and Environmental sciences

SUBMITTED BY:
Mitali Singh
B.sc Foresrty 8th Semester
Roll.No.-20007035
Enroll No.- GGV/20/06537

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

This is to certify that the village attachment report entitled: **" SOCIO ECONOMIC SURVEY OF BAIMA VILLAGE,BILASPUR ,CHHATTISGARH"** submitted for the partial fulfilment of Degree of **Bachelor Of Science in Forestry to Department of Forestry,Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh** has been carried out by **Mitali Singh** of **B.sc Forestry VIIITH Semester** student (Roll no.20007035) under my guidance and supervision , her work was appreciable and satisfactory.

I wish her all the success in her future academic endeavours.

14/05/24

Dr.Bhavana Dixit
Assistant Professor
Dept. of Forestry ,wildlife and Environmental sciences
GGV,Bilaspur ,chhattisgarh

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA, KONI ,BILASPUR,CHHATTISGARH

(A CENTRAL UNIVERSITY)

A

REPORT

ON

FOREST OPERATIONS WORK EXPERIENCE IN BALODABAZARFORESTDIVISION

SUBMITED FOR PARTIAL FULLFILLMENT OF REQUIREMENT OF THEBACHELOR DEGREE OF SCIENCE IN FORESTRY

(SESSION:2023-2024)

UNDER THE SUPERVISION OF :

Dr. Bhavana Dixit

Assistant professor
Department of Forestry, Wildlife
& environmental sciences

SUBMITTED BY :

Mitali singh

B.sc Forestry 8th semester
Enroll. No. GGV/20/06537
ROLL NO. 20007035

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

This is to certify that the Forest attachment report entitled: **" FOREST OPERATIOPN WORK EXPERIENCE IN BALODABAZAR FOREST DIVISION"** submitted for the partial fulfilment of Degree of **Bachelor Of Science in Forestry to Department of Forestry,Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh** has been carried out by **Mitali Singh** of **B.sc Forestry VIIITH Semester** student (Roll no.20007035) under my guidance and supervision , her work was appreciable and satisfactory.

I wish her all the success in her future academic endeavours.

14/05/24

Dr.Bhavana Dixit
Assistant Professor
Dept. of Forestry ,wildlife and Environmental sciences
GGV,Bilaspur ,chhattisgarh

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA, KONI ,BILASPUR, CHHATTISGARH

(A CENTRAL UNIVERSITY)

A

REPORT ON

FOREST INSTITUTE & INDUSTRIAL VISIT ,BILASPUR (C.G)

SUBMITTED FOR PARTIAL FULLFILLMENT OF REQUIREMENT OF THE BACHELOR DEGREE OF SCIENCE IN FORESTRY

(SESSION:2023-2024)

UNDER THE SUPERVISION OF :

Dr. Bhavana Dixit

Assistant professor
Department of Forestry, Wildlife
& environmental sciences

SUBMITTED BY:

Mitali singh

B.sc Forestry 8th semester
Enroll. No. GGV/20/06537
ROLL NO. 20007035

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

This is to certify that the Forest institute and industrial visit report entitled: **" FOREST INSTITUTE AND INDUSTRIAL TRAINING"** submitted for the partial fulfilment of Degree of **Bachelor Of Science in Forestry to Department of Forestry,Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh** has been carried out by **Mitali Singh** of **B.sc Forestry VIIITH Semester** student (Roll no.20007035) under my guidance and supervision , her work was appreciable and satisfactory.

I wish her all the success in her future academic endeavours.

14/05/24

Dr.Bhavana Dixit
Assistant Professor
Dept. of Forestry ,wildlife and
Environmental sciences
GGV,Bilaspur ,chhattisgarh

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A

TRAINING REPORT ON

Socio–economic Survey of Village BAIMA

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORESTRY

Session : 2023-24

UNDER THE SUPERVISION OF:
Dr.Bhavana Dixit
Assistant Professor
Department of Forestry, Wildlife& Environmental Science
GGV,Bilaspur,(C.G.)

SUBMITTED BY:
Murlidhar Verma
B.Sc.Forestry 8th Semester
Enroll. No.GGV/20/06539
Roll No. 20007036

Department of Forestry, Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)
ACentralUniversityEstablishmentUnderCentralUniversityAct2009,No.25of2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

Department of Forestry,Wildlife & Environmental Science

Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment UnderCentral University Act 2009,No. 25 of 2009)

CERTIFICATE

I have great pleasure in certifying that **MURLIDHAR VERMAS/oTEKSINGH VERMA**is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed this training entitled **"Train ing report on Socio–economic Survey of Village BAIMA"** during this semester under my guidance.

I wish him all the success in his academics.

I wish her all the success in her future academic endeavors.

14/05/24

Dr. Bhavana Dixit
Assistant Professor
Department of Forestry,
Wildlife & Environmental Science
GGV, Bilaspur, (C.G.)

CONTENTS

CHAPTER – 1 (INTRODUCTION)

1. Socio-Economic Survey
2. Definition
3. Importance of Socio-Economic survey
4. Socio-Economic assessment
5. Aim of the survey
6. Objectives of survey
7. Methodology adopted for survey
8. Village

CHAPTER – 2 (VILLAGE PROFILE)

1. General profile of the village
2. Map of the village
3. Village infrastructures

CHAPTER – 3 (DEMOGRAFIC PROFILE OF SILPAHRI)

1. Population Structure
2. Social Anatomy
3. Sex Ratio
4. Level of Education
5. Literacy Rate
6. Housing Pattern
7. Status of Water Source
8. Source of Energy
9. Agricultural Practices

10. Occupation
11. Communication
12. Covid Vaccination
13. Vehicle Type
14. Financial Assets

- **CHAPTER – 4 (PROBLEMS)**
- **CHAPTER – 5 (SUGGESTIONS)**
- **CHAPTER – 6 (CONCLUSION)**

REFERNCES

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A TRAINING REPORT ON

FOREST OPERATION WORK EXPERIENCE IN BALOD FOREST DIVISION

BALOD, (C.G)
PIN-491226

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

Session : 2023-24

UNDER THE SUPERVISION OF:
Dr. Bhavana Dixit
Assistant Professor
Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur, (C.G.)

SUBMITTEDBY:
MURLIDHAR VERMA
B.Sc. Forestry 8th Semester
Enroll. No.GGV/20/06539
Roll No. 20007036

Department of Forestry, Wildlife & Environmental Science
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR C.G.
(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

Department of Forestry, Wildlife & Environmental Science Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: **"FOREST OPERATION WORK EXPERIENCE IN BALOD FOREST DEVISION, BALOD, CHHATTISGARH** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Mr MURLIDHAR VERMA of B.Sc. Forestry, 8th Semester (Enrollment No. GGV/20/06539)** under y guidance and supervision.

I wish her all the success in her future academic endeavors.

14/05/24

Dr. Bhavana Dixit
Assistant Professor
Department of Forestry,
Wildlife& Environmental Science
GGV, Bilaspur, (C.G.)

CHAPTER -1		**Forest in Chhattisgarh**	
	1.1	Forest in Chhattisgarh	1-5
	1.2	Forest of Chhattisgarh	
	1.3	Chhattisgarh Forest Administration	
	1.4	Chhattisgarh Forest Deoartment Introduction	
CHAPTER - 2		**Nursery**	
	2.1	Nursery	6-13
	2.2	Important of Nursery	
	2.3	Types of Nursery	
	2.4	Site selection for Nursery	
	2.5	Management of young Nursery Plants	
	2.6	Tree species in Nursery	
	2.7	Activities Performed in the Nursery	
CHAPTER - 3		**Forest Working Plan**	
	3.1	Working Plan	14-17
	3.2	Types of Working Plan	
	3.3	Management Classification	
CHAPTER – 4		**Forest Wood Depot**	
	4.1	Introduction	18-30
	4.2	Management Of Forest Depot	
	4.3	Auctioning Process	
	4.4	Casting	
	4.5	Transit pass	
	4.6	Tree Species	
	4.7	Physical verification	
	4.8	Online Selling/Buying of wood	
	4.9	Conclusion	
CHAPTER - 5		**Watershed Management Practices**	31-36
	5.1	Watershed	
	5.2	Watershed Management	
	5.3	Objective Watershed Management	
	5.4	Important of Watershed Management	
	5.5	Cause for watershed deterioration	
	5.6	Watershed Management structural practices in Balod Devision forest Area	
CHAPTER – 6		**Bamboo Plantation**	37-39
	6.1	Bamboo	
	6.2	Bamboo forest of Dalli Rajhara	

	6.3	Classification Of Bamboo	
	6.4	Life cycle Of bamboo	
	6.5	Treatment Of Bamboo	
	6.6	Bamboo harness	
CHAPTER – 7		**Hi Tech Barriers**	**40-41**
	7.1	Hi tech Barrier	
	7.2	Preliminary offence report	
CHAPTER - 8		**Archeological Site Chitwa Dongri, Lohara**	**42-45**
	8.1	Introduction	
	8.2	Feature Of chitwa dongri	
	8.3	Tribal arts	
CHAPTER - 9		**Millets**	**46-47**
CHAPTER - 10		**Conclusion**	**48**
CHAPTER - 11		**Reference**	**49**

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

A TRAINING REPORT ON

FOREST INSTITUTE AND INDUSTRIAL TRAINING BALASPUR, (C.G)

(INDUSTRIAL TRAINING)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

Session : 2023-24

UNDER THE SUPERVISION OF:

Dr. Bhavna Dixit

Professor

Department of Forestry, Wildlife &
Environmental Science
GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Murlidhar verma

B.Sc. Forestry 8th Semester

Enroll. No.GGV/20/06539

Roll No. 20007036

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर - 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur - 495009 (C.G.)

Department of Forestry, Wildlife & Environmental Science Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: **"FOREST INSTITUTE AND INDUSTRIAL TRAINING"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Murlidhar vermaStudent of B.Sc. Forestry, 8th Semester (Enrollment No. GGV/20/06536)** under my guidance and supervision.

I wish him all the success in his future academic endeavors.

14/05/24.

Dr. Bhavna Dixit
Professor
Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur, (C.G.)

CONTENTS

CHAPTER -1		Sawmill	**1-10**
	1.1	Introduction	
	1.2		
	1.3		
	1.4		
	1.5		
	1.6		
	1.7		
	1.8		
	1.9		
CHAPTER - 2		**Vermicompost Production**	**5-23**
	2.1	Introduction	
	2.2		
	2.3		
	2.4		
	2.5		
	2.6		
	2.7		
	2.8		
CHAPTER - 3		**Conclusion**	**24**
CHAPTER - 4		**Reference**	**25**

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A Report On

SOCIO -ECONOMIC SURVEY OF NIRTU VILLAGE IN BILASPUR, (C.G.)

(VILLAGE ATTACHMENT)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THEBACHELOR OF SCIENCE IN FORESTRY

SESSION 2023-24

UNDER THE SUPERVISION OF:

Dr. Bhavana Dixit
Assistant Professor
Department of Forestry, Wildlife &
Environmental Science
GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Muskan Sharma
B.Sc. Forestry 8th Semester
Enroll. No-GGV/20/6540
Roll No-20007037

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

Department of Forestry, Wildlife & Environmental Science
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR C.G.
(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Village Attachment Report entitled: **"SOCIO-ECONOMIC SURVEY OF NIRTU VILLAGE ATTACHMENT IN BILASPUR, CHHATTISGARH** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Miss. Muskan Sharma of B.Sc. Forestry, 8th Semester (Enrollment No. GGV/20/6540)** under my guidance and supervision.

Signed by Head and Supervisor

I wish her all the success in her future academic endeavors.

14.5.24

Dr. Bhavana Dixit
Assistant Professor
Department of Forestry, Wildlife& Environmental Science
GGV, Bilaspur, (C.G.)

DECLARATION

I hereby declare that the present Village Attachment Report entitled: **"SOCIO-ECONOMI SURVEY OF NIRTU VILLAGE ATTACHMENT IN BILASPUR. CHHATTISGARH"** interpretation or part has not been submitted for any degree or diploma of any University. The source of material and all assistance received during the course of investigation have been duly acknowledged. All the records and data given in the report are correct to my knowledge.

Muskan Sharma
B.Sc Forestry 8th Sem.
Enrollment No. GGV/20/6540

ACKNOWLEDGEMENT

Expression of giving thanks are just a part of those feeling which are too large for words, but shall remain as memories of wonderful people with whom I have got the pleasure of working during the completion of the project.

I express my profound indebtedness to ***Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh*** *for providing me all the necessary facility to complete my project work.*

I pay my deep regards to ***Prof. S. C. Tiwari,*** *Dean, School of Natural Resources, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for his constant help and academic encouragement.*

I express my deep regards to ***Dr. K.K. Chandra,*** *Head, Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for his valuable guidance and comments.*

I express my deep sense of gratitude and thanks to my supervision ***Dr. Bhavana Dixit,*** *Assistant Professor, Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for her inspiring guidance facilitate throughout by playing different roles as mentor, coordinator and supervisor and forinputs and moral support for designing and completion of the report.*

I would like to express my gratitude to ***Dr. Gunjan Patil mam , Assistant Professor, and Dr .Chaowlani Manpoong sir, Assistant Professor*** *Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh to facilitate as coordinator.*

I pay my thanks to my ***teachers and staff members*** *of the department for their constant encouragement, guidance and support for completion of this work.*

I express my humble and sincere gratitude to all the Villagers ***Mr. Kedar Patel Sarpanch,*** *and* ***Mrs. Rukshana Khan Sachiv*** *they spend their valuable time and give information to me.*

I am highly obliged to my worthy ***parents,*** ***Mr. Gyaneshwar Sharma and Mrs. Rubi Sharma*** *without their blessings and support this work would not have seen the light of the day. I also express my thanks to my all friends which have helped me during my field observation.*

Muskan

Muskan Sharma

B.Sc. Forestry

CONTENTS

CHAPTER-1		**Introduction**	**1-3**
	1.1	Socio-Economic Survey	
	1.2	Definition	
	1.3	Importance of socio-economic survey	
	1.4	Socio-Economic assessment	
	1.5	Aim of the survey	
	1.6	Objective of the survey	
CHAPTER-2		**Methodology**	**4-7**
		Methodology adopted for survey	
	2.1	Selection of the area	
	2.2	Developing baseline conditions	
	2.3	Designing a questionnaire form	
	2.4	Data collection from Primary source	
	2.5	Data collection from Secondary Source	
	2.6	Data entry and verification	
	2.7	Data analysis and representation	
CHAPTER-3		**Village Profile**	**8-18**
	3.1	General profile of the village	
	3.2	Map of village	
	3.3	Village infrastructure	
CHAPTER-4		**Demographic Profile**	**19-28**
	4.1	Demographic and resource data of Village	
	1.	Population status	
	2.	Social anatomy	
	3.	Poverty status	
	4.	Housing pattern	
	5.	Educational status	
	6.	Literacy rate	
	7.	Occupation and employment	
	8.	Source of water	
	9.	Cooking status	
	10.	Livestock	
	11.	Technology	
	12.	Land utilization pattern	
	13.	Government schemes	
CHAPTER-5		**Observations**	**29**
CHAPTER-6		**Conclusion**	**30**
CHAPTER-7		**Suggestions**	**31-32**
CHAPTER-8		**References**	**33**

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A TRAINING REPORT ON

FOREST OPERATIONS WORK EXPERIENCE IN RAJNANDGAON FOREST DIVISION

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORESTRY

(SESSION: 2023-24)

UNDER THE SUPERVISION OF:

Dr. Bhavana Dixit

Assistant Professor

Department of Forestry, Wildlife &

Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Muskan Sharma

B.Sc. Forestry 8th Semester

Enroll. No. GGV/20/06540

Roll No. 20007037

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

Department of Forestry, Wildlife & Environmental Science

Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest operations work experience report entitled: **"FOREST ATTACHMENT IN RAJNANDGAON FOREST DIVISION"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Ms. Muskan Sharma B.Sc. Forestry 8th Semester, and Enrollment No. (GGV/20/06540)** under my supervision.

I wish her all the success in her future academic endeavors.

14-5-24

Dr. Bhavana Dixit
Assistant Professor
Department of Forestry, Wildlife
& Environmental Science
GGV, Bilaspur (C. G.)

DECLARATION

I hereby declare that the present Forest operations work experience report entitled: **"FOREST ATTACHMENT IN RAJNANDGAON FOREST DIVISION"** interpretation or part has not been submitted for any degree or diploma of any University. The source of material and all assistance received during the course of investigation have been duly acknowledged. All the records and data given in the report are correct to my knowledge.

Muskan Sharma
B.Sc. Forestry 8th Semester
Roll. No.: 20007037
Enrollment No.: GGV/20/06540

ACKNOWLEDGEMENT

Expression of giving thanks are just a part of those feeling which are too large for words, but shall remain as memories of wonderful people with whom I have got the pleasure of working during the completion of the project.

I express my profound indebtedness to ***Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh*** *for providing me all the necessary facility to complete my project work.*

I pay my deep regards to ***Prof. S. C. Tiwari,*** *Dean, School of Natural Resources, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for his constant help and academic encouragement.*

I express my deep regards to ***Dr. K.K. Chandra,*** *Head, Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for his valuable guidance and comments.*

I would like to express my gratitude to ***Dr. Bhavana Dixit , Assistant Professor,*** *Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh to facilitate as coordinator.*

I express my deep sense of gratitude and thanks to my supervision and coordinator ***Dr. Gunjan Patil, Mam*** *Assistant Professor,* ***& Dr . Chowlani Manpoong , Sir*** *Assistant Professor, Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for her inspiring guidance, facilitate throughout by playing different roles as mentor, coordinator and supervisor and for inputs and moral support for designing and completion of the report.*

I pay my thanks to my ***teachers and staff members*** *of the department for their constant encouragement, guidance and support for completion of this work.*

I am highly obliged to my worthy ***parents, Mr. Gyaneshwar Sharma Mrs. Rubi Sharma*** *without their blessings and support this work would not have seen the light of the day. I also express my thanks to my all friends which have helped me during my field observation.*

Muskan

Muskan Sharma
B.Sc. Forestry 8th Semester
Roll No.- 20007037
Enrollment no. – GGV/20/06540

CONTENTS

CHAPTER -1		**Forest in Chhattisgarh**	**1-3**
	1.1	Forest in Chhattisgarh	
	1.2	Chhattisgarh forest department	
	1.3	Forest head	
CHAPTER - 2		**Mangata Wildlife Park**	**4-11**
	2.1	Introduction	
	2.2	Van Chetna Kendra Major Attraction	
	2.3	Forest Management in Mangata	
	2.4	Pugmark	
	2.5	Composition of honey	
	2.6	Transect Line Survey	
	2.7	Conclusion	
CHAPTER - 3		**Nursery**	**12-18**
	3.1	Introduction	
	3.2	Importance of Nursery	
	3.3	Type of Nursery	
	3.4	Site Selection	
	3.5	Management of young Nursery Plant	
	3.6	Tree Species in Nursery	
	3.7	Activities Perform in the Nursery	
	3.8	Nursery Challan	
	3.9	Conclusion	
CHAPTER – 4		**Working plan**	**19-23**
	4.1	Working plan	
	4.2	Scope of working plan	
	4.3	Objective of working plan	
	4.4	Need of working plan	
	4.5	Condition for formulation of working plan	
	4.6	Annual plan of operation	
	4.7	Procedure of working plan formulation	
	4.8	Field work for working plan formulation	
	4.9	Forest organization	
	4.10	Management classification	
	4.11	Conclusion	
CHAPTER - 5		**Mahua Processing Center : Rajnadgaon**	**24-29**
	5.1	Mahua Processing Unit : Rajnadgaon	

	5.2	Mahua	
	5.3	Processing of Mahua	
	5.4	Processing Method	
	5.5	Packing and Labelling	
	5.6	Uses and Benefits	
	5.7	Conclusion	
CHAPTER – 6		**Biodiversity**	**30-36**
	6.1	Introduction	
	6.2	Type of Biodiversity	
	6.3	Components of Species Diversity	
	6.4	Factors Affecting Biodiversity	
	6.5	Biodiversity Conservation	
	6.6	Some Plant Species in Mangata	
	6.7	Some Animal Species in Mangata	
	6.8	Conclusion	
CHAPTER – 7		**Forest Wood Depot : Rajnandgoan**	**37-45**
	7.1	Introduction	
	7.2	Management of Forest Depot	
	7.3	Nucleus Depot Rajnandgaon	
	7.4	Timber Grading	
	7.5	Auctioning Process	
	7.6	Casting	
	7.7	Transit Pass	
	7.8	Tree Species	
	7.9	Physical Verification	
	7.10	Conclusion	
CHAPTER - 8		**Zoo- Kanan Pendari**	**46-51**
	8.1	Introduction	
	8.2	Basic Information About Zoo	
	8.3	Objective	
	8.4	Animal Species of Kanan Pendari	
	8.5	Organization Chat Kanan Pendari	
	8.6	Conclusion	
CHAPTER - 9		**Conclusion**	**52**
		References	**53**

A REPORT ON
FOREST INSTITUTE & INDUSTRIAL TRAINING VISIT,
BILASPUR, (C.G.)

(FOREST INSTITUTE & INDUSTRIAL VISIT)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

(SESSION: 2023-24)

UNDER THE SUPERVISION OF:

Dr. Bhavana Dixit
Assistant Professor
Department of Forestry, Wildlife &
Environmental Science

SUBMITTED BY:

Muskan Sharma
B.Sc. Forestry 8th Semester
Enroll. No. GGV/20/06540
Roll No. 20007037

Department of Forestry, Wildlife & Environmental Science

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR C.G.

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

Department of Forestry, Wildlife & Environmental Science Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the forest institute and industrial visit report entitled: **"Training report on Forest Institute and Industrial training"** submitted for the partial fulfilment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Ms Muskan Sharma of B.Sc. Forestry, 8th Semester, and Enrollment No. (GGV/20/06540)** under my guidance and supervision.

I wish her all the success in her future academic endeavours.

14-5-24

Dr. Bhavana Dixit
Assistant Professor Department of Forestry,
Wildlife & Environmental Science GGV,
Bilaspur, (C.G.)

DECLARATION

I hereby declare that the project work forest institute and industrial visit entitled **"Training Report on Forest Institute and Industrial Training"** submitted to Department of Forestry, Wildlife and Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur is a record of an original work done by me under the guidance of **Dr. Bhavana Dixit** and this project work has been performed for the award of Bachelors' degree in Forestry.

Muskan

Muskan Sharma
B.Sc. Forestry 8th SEMESTER
Enrollment No. GGV/20/06540

ACKNOWLEDGEMENT

Expression of giving thanks are just a part of those feeling which are too large for words, but shall remain as memories of wonderful people with whom I have got the pleasure of working during the completion of the project.

I express my profound indebtedness to ***Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh*** *for providing me all the necessary facility to complete my project work.*

I pay my deep regards to ***Prof. S. C. Tiwari,*** *Dean, School of Natural Resources, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for his constant help and academic encouragement.*

I express my deep regards to ***Dr. K.K. Chandra,*** *Head, Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for his valuable guidance and comments.*

I express my deep sense of gratitude and thanks to my supervision and coordinator ***Dr. Bhavana Dixit,*** *Assistant Professor, Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for her inspiring guidance, facilitate throughout by playing different roles as mentor, coordinator and supervisor and for inputs and moral support for designing and completion of the report.*

I would like to express my gratitude to ***Dr. Gunjan Patil mam, Assistant Professor, Dr .Chaowlani Manpoong Sir, Assistant Professor,*** *Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh to facilitate as coordinator.*

I pay my thanks to my ***teachers and staff members*** *of the department for their constant encouragement, guidance and support for completion of this work.*

I am highly obliged to my worthy ***parents, Mr. Gyaneshwar Sharma & Mrs. Rubi Sharma,*** *without their blessings and support this work would not have seen the light of the day. I also express my thanks to my all friends which have helped me during my field observation.*

Muskan Sharma

B.Sc. Forestry 8th Semester

CONTENTS

CHAPTER - 1		**Bamboo Art & Wood Based Product**	**9-14**
	1.1	Introduction	
	1.2	Definition	
	1.3	Tools used for Making Bamboo Product	
	1.4	Bamboo Stages &Precaution during the time Process	
	1.5	Some Bamboo Product	
	1.6	Wood	
	1.7	Classification of woods	
	1.8	Tools used for making wood product	
	1.9	Process used for manufacturing wood product	
	1.10	Choosing the right wood of manufacturing	
	1.11	Undersstanding wood grading	
	1.12	Various wood designs made by us	
	1.13	Conclusion	
CHAPTER - 2		**Mushroom Production & Its Waste Management**	**15-27**
	2.1	Introduction	
	2.2	What is Mushroom	
	2.3	Structure of Mushroom	
	2.4	Classification on Mushroom	
	2.5	Types of Mushrooms	
	2.6	Most Cultivated Species	
	2.7	Mushroom Cultivation Process	
	2.8	Mushroom Lifecycles	
	2.9	Its west management use	
	2.10	Conclusion	
CHAPTER-3		**Mahua Processing Center : Rajnadgaon**	**28-33**
	3.1	Mahua Processing Unit : Rajnadgaon	
	3.2	Mahua	
	3.3	Processing of Mahua	
	3.4	Processing Method	
	3.5	Packing and Labelling	
	3.6	Uses and Benefits	
	3.7	Conclusion	
CHAPTER - 3		**Conclusion**	**34**
		References	**35**

SOCIO-ECONOMIC SURVEY OF NAGOI VILLAGE

Submitted for partial fulfillment of requirement for the bachelor's degree.

SESSION:- 2023-24

Under the Supervision of
Dr. Gunjan patil
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya Bilaspur(C.G.)

Submitted By
Mr. Naresh kumar Besra
B.Sc. Forestry 8th Semester
Roll No. 19007735
Enrollment No. GGV/19/6082

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय, बिलासपुर
Guru Ghasidas Vishwavidyalaya, Bilaspur
A Central University established by the Central University Act 2009 No. 25 of 2009

CERTIFICATE

I have great pleasure in certifying that **Mr. NARESH KUMAR BESRA** S/o Mr. SHIV DAS BESRA is a regular student of B.Sc FORESTRY 8th SEMESTER during the session of 2023-2024 of Department of Forestry ,Wildlife and Environmental Science. He has completed field training entitled **"SOCIO-ECONOMIC SURVEY- REPORT OF A VILLAGE"** under my guidance.

I wish him all the success in his future academic endeavors.

Dr. Gunjan Patil

Assistance Professor

(Supervisor)

Signature and Date 14/05/2024

INDEX

CHAPTER – 1 (INTRODUCTION)

DEFINATION

a. Importance of Socio – Economic survey
b. Socio-Economic assessment
c. Aim of the survey
d. Objectives of survey
e. Methodology adopted for survey

CHAPTER – 2 (VILLAGE PORTRAIT)

a. General profile of the village
b. Map of the village
c. Village infrastructures

CHAPTER – 3 (DEMOGRAPHIC PROFILE)

a. Population status
b. Socio Anatomy
c. Sex Ratio
d. Level of education
e. Household Pattern
f. Availiablity of water
g. Occupation
h. Communication
i. Livestock
j. Agricultural practices
k. Government schemes in village
l. Vechicles

(PROBLEMS)

(SUGGESTION)

(CONCLUSION)

FOREST ATTACHMENT REPORT

Submitted for partial fulfillment of requirement for the bachlor degree of science In Forestry

SESSION:- 2023-24

Under the Supervision of
Dr. Gunjan Patil
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya Bilaspur(C.G.)

Submitted By
Mr. Naresh kumar Besra
B.Sc. Forestry 8th Semester
Roll No. 19007735
Enrollment No. GGV/19/6082

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

FOREST ATTACHMENT REPORT

Submitted for partial fulfillment of requirement for the bachlor degree of science In Forestry

SESSION:- 2023-24

Under the Supervision of
Dr. Gunjan Patil
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya Bilaspur(C.G.)

Submitted By
Mr. Naresh kumar Besra
B.Sc. Forestry 8th Semester
Roll No. 19007735
Enrollment No. GGV/19/6082

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय, बिलासपुर
Guru Ghasidas Vishwavidyalaya, Bilaspur
A Central University established by the Central University Act 2009 No 25 of 2009

CERTIFICATE

This is to certify that **Mr. Naresh kumar Besra** of B.Sc FORESTRY 8th Semester bearing Enrollment number GGV/19/6082 during the session of 2023-2024 of Department of Forestry ,Wildlife and Environmental Science has completed his field training entitled **"FOREST ATTACHMENT REPORT"** under my guidance.

I wish him all the success in his future academic endeavors.

Dr. Gunjan Patil

Assistance Professor
(Supervisor)

14/05/24

Signature and Date

CONTENT

S.NO.	DATE	TOPIC	PAGE NO.
1.	28/02/2024	CHAPTER1: Chhattisgarh Forest C.G. Forest Dept. Structure Bilaspur Forest Division	1-6
2.	29/02/2024	CHAPTER 2 : Honey Processing Centre	7-16
3.	01/03/2024	CHAPTER 3 : Regional Geometic Centre	17-24
4.	24/02/2024	CHAPTER 4 : Working Plan of Bilaspur Division	25-30
5.	26/02/2024	CHAPTER 5 : Wood Depot (Kastaghar , Kota)	31-39
6.	27/02/2024	CHAPTER 6 : Nursery Managenment (Bhansaajhal)	40-47
7.	29/02/2024	CHAPTER 7 : Zoo Management	48-50
8.		CONCLUSION AND REFERENCES	51

REPORT ON FOREST INSTITUTE AND INDUSTRIAL TRAINING BALASPUR, (C.G)

(INDUSTRIAL TRAINING)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR'S OF SCIENCE IN FORETRY

SESSION:- 2023-24

Under the Supervision of
Dr. Gunjan Patil
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya Bilaspur(C.G.)

Submitted By
Mr. Naresh kumar Besra
B.Sc. Forestry 8th Semester
Roll No. 19007735
Enrollment No. GGV/19/6082

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय, बिलासपुर
Guru Ghasidas Vishwavidyalaya, Bilaspur
A Central University established by the Central University Act 2009 No. 25 of 2009

CERTIFICATE

This is to certify that **Mr. Naresh kumar Besra** of B.Sc FORESTRY 8th Semester bearing Enrollment number GGV/19/6082 during the session of 2023-2024 of Department of Forestry ,Wildlife and Environmental Science has completed his field training entitled **"FOREST INSTITUTE AND INDUSTRIAL TRAINING"** under my guidance.

I wish him all the success in his future academic endeavors.

Dr. Gunjan Patil

Assistance Professor
(Supervisor)

14/05/2024

Signature and Date

CONTENT

S.NO.	DATE	TOPIC	PAGE NO.
1.	28/02/2024	CHAPTER1:- BAMBOO ART AND WOOD BASED PRODUCTS • IMPORTANCE OF BAMBOO ART • OBJECTIVES OF THE BAMBOO ART • PROCESSING OF BAMBOO ART • TOOLS USED IN BAMBOO ART • WOOD BASED NOVEL PRODUCTS • WOOD BASED CRAFTS • WOOD CRAFT SPECIES • WOOD CRAFTS	1-7
2.	29/02/2024	CHAPTER 2 :- TRANING ON MUSHROOM PRODUCTION AND ITS WASTE MANAGEMENT • IMPORTANCES OF MUSHROOM • TYPES OF MUSHROOMS • Material Required for cultivation • CULTIVATION OF OYSTER MUSHROOM • CULTIVATION OF PADDY MUSHROOM • CULTIVATION OF MILKY MUSHROOM • MARKETING OF MUSHROOM • MARKETING OF MUSHROOM • WASTE MANAGEMENT OF MUSHROOMS AND VERMICOMPOST	8-19
3.		CONCLUSION AND REFRENCES	20

SOCIO-ECONOMIC SURVEY OF NAGOI VILLAGE

Submitted for partial fulfillment of requirement for the bachelor's degree.

SESSION: 2023-24

Under the Supervision of
Dr. Gunjan patil
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya Bilaspur(C.G.)

Submitted By
Mr. Naresh kumar Besra
B.Sc. Forestry 8th Semester
Roll No. 19007735
Enrollment No. GGV/19/6082

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय, बिलासपुर
Guru Ghasidas Vishwavidyalaya, Bilaspur
A Central University established by the Central University Act 2009 No. 25 of 2009

CERTIFICATE

I have great pleasure in certifying that **Mr. NARESH KUMAR BESRA** S/o Mr. SHIV DAS BESRA is a regular student of B.Sc FORESTRY 8th SEMESTER during the session of 2023-2024 of Department of Forestry ,Wildlife and Environmental Science. He has completed field training entitled **"SOCIO-ECONOMIC SURVEY- REPORT OF A VILLAGE"** under my guidance.

I wish him all the success in his future academic endeavors.

Dr. Gunjan Patil

Assistance Professor

(Supervisor)

Signature and Date 14/05/2024

INDEX

CHAPTER – I (INTRODUCTION)

DEFINATION

a. Importance of Socio – Economic survey
b. Socio-Economic assessment
c. Aim of the survey
d. Objectives of survey
e. Methodology adopted for survey

CHAPTER – 2 (VILLAGE PORTRAIT)

a. General profile of the village
b. Map of the village
c. Village infrastructures

CHAPTER – 3 (DEMOGRAPHIC PROFILE)

a. Population status
b. Socio Anatomy
c. Sex Ratio
d. Level of education
e. Household Pattern
f. Availiablity of water
g. Occupation
h. Communication
i. Livestock
j. Agricultural practices
k. Government schemes in village
l. Vechicles

(PROBLEMS)

(SUGGESTION)

(CONCLUSION)

FOREST ATTACHMENT REPORT

Submitted for partial fulfillment of requirement for the bachlor degree of science In Forestry

SESSION:- 2023-24

Under the Supervision of
Dr. Gunjan Patil
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya Bilaspur(C.G.)

Submitted By
Mr. Naresh kumar Besra
B.Sc. Forestry 8th Semester
Roll No. 19007735
Enrollment No. GGV/19/6082

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय, बिलासपुर
Guru Ghasidas Vishwavidyalaya, Bilaspur
A Central University established by the Central University Act 2009 No. 25 of 2009

CERTIFICATE

This is to certify that **Mr. Naresh kumar Besra** of B.Sc FORESTRY 8th Semester bearing Enrollment number GGV/19/6082 during the session of 2023-2024 of Department of Forestry ,Wildlife and Environmental Science has completed his field training entitled **"FOREST ATTACHMENT REPORT"** under my guidance.

I wish him all the success in his future academic endeavors.

Dr. Gunjan Patil

Assistance Professor
(Supervisor)

14/05/24

Signature and Date

CONTENT

S.NO.	DATE	TOPIC	PAGE NO.
1.	28/02/2024	CHAPTER1: Chhattisgarh Forest C.G. Forest Dept. Structure Bilaspur Forest Division	1-6
2.	29/02/2024	CHAPTER 2 : Honey Processing Centre	7-16
3.	01/03/2024	CHAPTER 3 : Regional Geometic Centre	17-24
4.	24/02/2024	CHAPTER 4 : Working Plan of Bilaspur Division	25-30
5.	26/02/2024	CHAPTER 5 : Wood Depot (Kastaghar , Kota)	31-39
6.	27/02/2024	CHAPTER 6 : Nursery Managenment (Bhansaajhal)	40-47
7.	29/02/2024	CHAPTER 7 : Zoo Management	48-50
8.		CONCLUSION AND REFERENCES	51

REPORT ON FOREST INSTITUTE AND INDUSTRIAL TRAINING BALASPUR, (C.G)

(INDUSTRIAL TRAINING)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR'S OF SCIENCE IN FORETRY

SESSION:- 2023-24

Under the Supervision of
Dr. Gunjan Patil
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya Bilaspur(C.G.)

Submitted By
Mr. Naresh kumar Besra
B.Sc. Forestry 8th Semester
Roll No. 19007735
Enrollment No. GGV/19/6082

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय, बिलासपुर
Guru Ghasidas Vishwavidyalaya, Bilaspur
A Central University established by the Central University Act 2009 No. 25 of 2009

CERTIFICATE

This is to certify that **Mr. Naresh kumar Besra** of B.Sc FORESTRY 8th Semester bearing Enrollment number GGV/19/6082 during the session of 2023-2024 of Department of Forestry ,Wildlife and Environmental Science has completed his field training entitled **"FOREST INSTITUTE AND INDUSTRIAL TRAINING"** under my guidance.

I wish him all the success in his future academic endeavors.

Dr. Gunjan Patil

Assistance Professor
(Supervisor)

14/05/2024

Signature and Date

CONTENT

S.NO.	DATE	TOPIC	PAGE NO.
1.	28/02/2024	CHAPTER1:- BAMBOO ART AND WOOD BASED PRODUCTS • IMPORTANCE OF BAMBOO ART • OBJECTIVES OF THE BAMBOO ART • PROCESSING OF BAMBOO ART • TOOLS USED IN BAMBOO ART • WOOD BASED NOVEL PRODUCTS • WOOD BASED CRAFTS • WOOD CRAFT SPECIES • WOOD CRAFTS	1-7
2.	29/02/2024	CHAPTER 2 :- TRANING ON MUSHROOM PRODUCTION AND ITS WASTE MANAGEMENT • IMPORTANCES OF MUSHROOM • TYPES OF MUSHROOMS • Material Required for cultivation • CULTIVATION OF OYSTER MUSHROOM • CULTIVATION OF PADDY MUSHROOM • CULTIVATION OF MILKY MUSHROOM • MARKETING OF MUSHROOM • MARKETING OF MUSHROOM • WASTE MANAGEMENT OF MUSHROOMS AND VERMICOMPOST	8-19
3.		CONCLUSION AND REFRENCES	20

A TRAINING REPORT ON

SOCIO-ECONOMIC SURVEY VILLAGE ATTACHMENT OF NIRTU VILLAGE

BILASPUR, (C.G)
PIN-495660

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

Session : 2023-24

UNDER THE SUPERVISION OF:

Dr. Bhavana Dixit

Assistant Professor
Department of Forestry, Wildlife &
Environmental Science
GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Naveen Sen

B.Sc. Forestry 8th Semester
Enroll. No.GGV/20/06541
Roll No. 20007038

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

Department of Forestry, Wildlife & Environmental Science Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: **"SOCIO-ECONOMIC SURVEY - VILLAGE ATTACHMENT OF NIRTU VILLAGE"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Mr. Naveen Sen of B.Sc. Forestry, 8th Semester (Enrollment No. GGV/20/06541)** under my guidance and supervision.

I wish her all the success in her future academic endeavors.

10/05/2024

Dr. Bhavana Dixit
Assistant Professor
Department of Forestry,
Wildlife& Environmental Science
GGV, Bilaspur, (C.G.)

CONTENTS

CHAPTER-1		**Introduction**	**1-3**
	1.1	Socio-Economic Survey	
	1.2	Importance of socio-economic survey	
	1.3	Socio-Economic assessment	
	1.4	Aim of the survey	
	1.5	Objective of the survey	
CHAPTER-2		**Methodology**	**4-7**
	2.1	Selection of the area	
	2.2	Developing baseline conditions	
	2.3	Designing a questionnaire form	
	2.4	Data collection from Primary source	
	2.5	Data collection from Secondary Source	
	2.6	Data entry and verification	
	2.7	Data analysis and representation	
CHAPTER-3		**Village Profile**	**8-28**
	3.1	General profile of the village	
	3.2	Map of village	
	3.3	Village infrastructure	
CHAPTER-4		**Demographic Profile**	**29-39**
	4.1	Demographic and resource data of Village	
	1.	Population status	
	2.	Social anatomy	
	3.	Poverty status	
	4.	Housing pattern	
	5.	Educational status	
	6.	Literacy rate	
	7.	Occupation and employment	
	8.	Source of water	
	9.	Cooking status	
	10.	Livestock	
	11.	Technology	
	12.	Land utilization pattern	
	13.	Government schemes	
CHAPTER-5		**Obervation**	**40**
CHAPTER-6		**Conclusion**	**41**
CHAPTER-7		**Suggetion**	**42**
		References	**43**

A TRAINING REPORT ON

FOREST OPERATION WORK EXPERIENCE IN BALOD FOREST DIVISION

BALOD, (C.G)
PIN-491226

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

Session : 2023-24

UNDER THE SUPERVISION OF:
Dr. Bhavana Dixit
Assistant Professor
Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur, (C.G.)

SUBMITTED BY:
Naveen Sen
B.Sc. Forestry 8th Semester
Enroll. No.GGV/20/06541
Roll No. 20007038

Department of Forestry, Wildlife & Environmental Science Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: **"FOREST OPERATION WORK EXPERIENCE IN BALOD FOREST DEVISION, BALOD, CHHATTISGARH** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, GuruGhasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Mr. Naveen Sen of B.Sc. Forestry, 8th Semester (Enrollment No. GGV/20/06541)** under my guidance and supervision.

I wish her all the success in her future academic endeavors.

10-05-2024

Dr. Bhavana Dixit
Assistant Professor
Department of Forestry,
Wildlife& Environmental Science
GGV, Bilaspur, (C.G.)

CONTENTS

CHAPTER -1		**Forest in Chhattisgarh**	**1-5**
	1.1	Forest in Chhattisgarh	
	1.2	Forest of Chhattisgarh	
	1.3	Chhattisgarh Forest Administration	
	1.4	Chhattisgarh Forest Deoartment Introduction	
CHAPTER - 2		**Nursery**	**6-13**
	2.1	Nursery	
	2.2	Important of Nursery	
	2.3	Types of Nursery	
	2.4	Site selection for Nursery	
	2.5	Management of young Nursery Plants	
	2.6	Tree species in Nursery	
	2.7	Activities Performed in the Nursery	
CHAPTER - 3		**Forest Working Plan**	**14-17**
	3.1	Working Plan	
	3.2	Types of Working Plan	
	3.3	Management Classification	
CHAPTER – 4		**Forest Wood Depot**	**18-30**
	4.1	Introduction	
	4.2	Management Of Forest Depot	
	4.3	Auctioning Process	
	4.4	Casting	
	4.5	Transit pass	
	4.6	Tree Species	
	4.7	Physical verification	
	4.8	Online Selling/Buying of wood	
	4.9	Conclusion	
CHAPTER - 5		**Watershed Management Practices**	**31-36**
	5.1	Watershed	
	5.2	Watershed Management	
	5.3	Objective Watershed Management	
	5.4	Important of Watershed Management	
	5.5	Cause for watershed deterioration	
	5.6	Watershed Management structural practices in Balod Devision forest Area	
CHAPTER – 6		**Bamboo Plantation**	**37-39**
	6.1	Bamboo	

	6.2	Bamboo forest of Dalli Rajhara	
	6.3	Classification Of Bamboo	
	6.4	Life cycle Of bamboo	
	6.5	Treatment Of Bamboo	
	6.6	Bamboo harness	
CHAPTER – 7		**Hi Tech Barriers**	**40-41**
	7.1	Hi tech Barrier	
	7.2	Preliminary offence report	
CHAPTER - 8		**Archeological Site Chitwa Dongri, Lohara**	**42-45**
	8.1	Introduction	
	8.2	Feature Of chitwa dongri	
	8.3	Tribal arts	
CHAPTER - 9		**Millets**	**46-47**
CHAPTER - 10		**Conclusion**	**48**
CHAPTER - 11		**Reference**	**49**

A TRAINING REPORT ON

FOREST INSTITUTE AND INDUSTRIAL VISIT

BILASPUR, (C.G)

PIN-495001

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

Session : 2023-24

UNDER THE SUPERVISION OF:

Dr. Bhavana Dixit

Assistant Professor
Department of Forestry, Wildlife &
Environmental Science
GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Naveen Sen

B.Sc. Forestry 8th Semester
Enroll. No.GGV/20/06541
Roll No. 20007038

Department of Forestry, Wildlife & Environmental Science Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: **"FOREST INSTITUTE AND INDUSTRIAL VISIT IN GURU GHASIDAS UNIVERSITY"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, GuruGhasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Mr. Naveen Sen of B.Sc. Forestry, 8th Semester (Enrollment No. GGV/20/06541)** under my guidance and supervision.

I wish her all the success in her future academic endeavors.

10/05/2024

Dr. Bhavana Dixit
Assistant Professor
Department of Forestry,
Wildlife& Environmental Science
GGV, Bilaspur, (C.G.)

CONTENTS

CHAPTER -1		**Introduction**	**1-4**
	1.1	Forest industrial Training	
CHAPTER -2		**Bamboo Art And Wood Based Novel Products**	**5-13**
	2.1	Importance of bamboo art	
	2.2	Objective of the bamboo art	
	2.3	Processing of bamboo art	
	2.4	Tools use in bamboo art	
	2.5	Bamboo crafts made by students	
	2.6	Wood based novel products	
	2.7	Wood based crafts	
	2.8	Wood crafts species.	
	2.9	Wood crafts	
CHAPTER - 3		**Mushroom Production**	**14-26**
	3.1	Introduction	
	3.2	Important of Mushroom	
	3.3	Structure of Mushroom	
	3.4	Life cycle of Mushroom	
	3.5	Types of Edible Mushroom	
	3.6	Production of Mushroom	
	3.7	Storage of mushroom	
	3.8	Marketing of mushroom	
	3.9	Mushroom waste management	
CHAPTER - 4		**Conclusion**	**27**
CHAPTER - 5		**Reference**	**28**

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

A REPORT ON

SOCIO-ECONOMIC SURVEY-VILLAGE ATTACHMENT,GOKULPUR BILASPUR, CHHATTISGARH

Submitted for Partial Fulfillment of Requirement for the degree the Bachelor ofScience In Forestry

SESSION – 2023-24

Under the Supervision of:

Dr. BHAVANA DIXIT

Assistant Professor,
Department of Forestry,
Wildlife and Environmental Sciences
GGV, Bilaspur

Submitted By:

NEERAJ KUMAR NETAM

B.Sc. Forestry
VIII Semester Roll No.- 20007039
Enrolment No. - GGV/20/06542

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that the village Attachment Report entitled: "**SOCIO-ECONOMIC SURVEY VILLAGE ATTACHMENT OF GOKULPUR** " submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Mr. NEERAJ KUMAR NETAM** of B.Sc. Forestry, 8 th Semester (Enrollment No. GGV/20/06542) under my guidance and supervision.

I wish him all the success in his academics.

14/05/24

Dr. Bhavana Dixit
Assistant Professor,
Department of Forestry,
Wildlife and Environmental Sciences
GGV, Bilaspur

CONTENT

CHAPTER-1		**Introduction**	1-4
	1.1	Socio-Economic Survey	
	1.2	Definition	
	1.3	Importance of socio-economic survey	
	1.4	Socio-Economic assessment	
	1.5	Aim of the survey	
	1.6	Objective of the survey	
CHAPTER-2		**Methodology**	5-9
	2.1	Developing baseline conditions	
	2.2	Designing a questionnaire form	
	2.3	Data collection	
	2.4	Data entry and verification	
	2.5	Data analysis and representation	
CHAPTER-3		**Village Profile**	10-22
	3.1	General profile of the village	
	3.2	Map of village	
	3.3	Land and Natural Resources in gokulpur	
	3.4	Village infrastructure	
	3.5	Education Facilities	
	3.6	Health and hygiene	
CHAPTER-4		**Demographic Profile**	23-31
	4.1	Demographic and resource data of Village	
	4.1	Population status	
	4.2	Social anatomy	
	4.3	Financial assests	
	4.4	Land Status	
	4.5	Housing pattern	
	4.6	Drainage status	
	4.7	Water Source	
	4.8	Livestocks	
	4.9	Cooking status	
	4.10	Communication source	
	4.11	Government schemes	
CHAPTER-5		**Awareness Programme And Plantation in the Village**	32-36
	5.1	Awareness programme	
	5.2	Poster making	
	5.3	Plantaion	
CHAPTER-5		**Forest and Biodiversity of Village Foest**	37-38
CHAPTER-7		**Problems**	39-42
CHAPTER-8		**Suggetion**	43
CHAPTER-9		**Conclusion**	44
CHAPTER-10		**Reference**	45

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

A REPORT ON

FOREST INSTITUTE & INDUSTRIAL VISIT ,BILASPUR, CHHATTISGARH

Submitted for Partial Fulfillment of Requirment for the degree the Bachelor of Science In Forestry

SESSION – 2023-24

Under the Supervision of:
Dr. BHAVANA DIXIT
Assistant Professor,
Department of Forestry, Wildlife and Environmental
GGV,Bilapur,cg

Submitted By:
NEERAJ KUMAR NETAM
B.Sc. Forestry
VIIITH Semester
Roll No.- 20007039
Enroll no-GGV/20/06542

Department of Forestry, Wildlife & Environmental Science Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)
(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: **"FOREST INSTITUTE AND INDUSTRIAL VISIT BILASPUR"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Mr.Neeraj Kumar Netam of B.Sc. Forestry, 8th Semester (Enrollment No. GGV/20/06542)** under my guidanceand supervision.

I wish her all the success in her future academic endeavors.

14/05/24

Dr. Bhavana Dixit
Assistant Professor
Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur, (C.G.)

CONTENTS

CHAPTER -1		INTRODUCTION	1
CHAPTER-2		MUSHROOM	2-17
	2.1	Introduction	
	2.2	Important of Mushroom	
	2.3	Structure of Mushroom	
	2.4	Life cycle of Mushroom	
	2.5	Types of Edible Mushroom	
	2.6	Production of Mushroom	
	2.7	Marketing of mushroom	
	2.8	Mushroom waste management	
	2.9	vermicompost	
CHAPTER - 2		BAMBOO	18-23
	3.1	Importance of bamboo art	
	3.2	Objective of the bamboo art	
	3.3	Processing of bamboo art	
	3.4	Tools use in bamboo art	
	3.5	Bamboo crafts made by students	
	3.6	Wood based novel products	
	3.7	Wood based crafts	
	3.8	Wood crafts species.	
	3.9	Wood crafts	
CHAPTER - 10		CONCLUSION	24
CHAPTER - 11		REFERENCE	25

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

A REPORT ON

FOREST OPERATION WORK EXPERIENCE IN BILASPUR FOREST DIVISION

Submitted for Partial Fulfillment of Requirment for the degree the Bachelor of Science In Forestry

SESSION – 2023-24

Under the Supervision of :

DR. BHAVANA DIXIT

Assistant Professor,

Department of Forestry,

Wildlife and environmental sciences

GGV, Bilaspur

Submitted By:

NEERAJ KUMAR NETAM

BSc. Forestry VIIITH SEM

ROLL NO. - 20007039

Enrollment no. – GGV/20/06542

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: "**FOREST OPERATION WORK EXPERIENCE IN BILASPUR FOREST DIVISION**" submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Mr. NEERAJ KUMAR NETAM** of B.Sc. Forestry, 8 th Semester (Enrollment No. GGV/20/06542) under my guidance and supervision.

14/05/24

Dr.Bhavana Dixit
Assistant Professor,
Department of Forestry,
Wildlife and Environmental Sciences
GGV, Bilaspur

CONTENTS

CHAPTER -1		FOREST INTRODUCTION	1-5
	1.1	Forest	
	1.2	Chhattisgarh Forest	
	1.3	Status Of Chhattisgarh Forest	
	1.4	Forest	
CHAPTER - 2		CHHATTISGARHFOREST DEPARTMENT	6-11
	2.1	2.1 Chhattisgarh Forest Department Attachment	
	2.2	Attachment With Chhattisgarh Forest Department	
	2.3	Types Of Forest	
	2.4	Objectives	
	2.5	Forest Administration	
	2.6	Chhattisgarh Forest Department Attachment	
	2.7	Attachment With Chhattisgarh Forest Department	
CHAPTER - 3		BILASPUR FOREST DIVISION	12-20
	3.1	Biodiversity	
	3.2	Watershed Managemen	
	3.3	Soil Moisture Conservation	
	3.4	Narwa Vikas Yojna	
	3.5	Joint Forest Management	
	3.6	Narwa ,Garwa,Ghurwa,Badi Yojna	
	3.7	Forest Fire Protection	
CHAPTER – 4		Forest Wood Depot	21-33
	4.1	Introduction	
	4.2	General Process In The Depot	
	4.3	Classification Of Wood	
	4.4	Upset Price Determination	
	4.5	Van Dhan Vikas Kendra	
CHAPTER - 5		DISTRICT NTFP OFFICE, BILASPUR s	34-40
	5.1	Minor Forest Produce	
	5.2	Minimum Support Pric	
	5.3	Watershed Management structural practices in Balod Devision forest Area	

CHAPTER – 6		NWFP MART,SANJEEVANI AND C=-MART	41-45
	6.1	NWFP MART and Sanjeevani	
	6.2	C – MART	
CHAPTER- 7		ONEY PROCESSING CENTRE	46-51
	7.1	Terminology	
	7.2	Processing Of Honey	
	7.3	Labeling And Packaging	
CHAPTER-8		REGIONAL GEOMETIC CENTRE	52-59
	8.1	Parivesh Portal	
	8.2	E – Green Watch Portal	
	8.3	Campa	
	8.4	Fsi Report	
	8.5	Wildlife Tracking	
	8.6	. Remote Sensing And Gis Applications	
CHAPTER -9		NURSERY MANAGEMENT	60-62
	9.1	Nursery	
	9.2	Purpose of Nursery	
	9.3	About Kendriya ropidi ,Basajhal Nursery	
CHAPTER-10		ZOO MANAGEMENT	63-70
	10.1	History	
	10.2	Area And Vegetation	
	10.3	Aim And Objective	
	10.4	Zoo Management	
	10.5	Provision Food	
	10.6	Species Collection	
CHAPTER -11		CONCLUSION	71
CHAPTER-12		REFERENCES	72

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

A TRAINING REPORT

ON SOCIO-ECONOMIC SURVEY OF NAGOI VILLAGE IN BILASPUR, (C.G)

[PIN – 495006]

{ VILLAGE ATTACHMENT }

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

(SESSION: 2023-24)

UNDER THE SUPERVISION OF:
Dr. Ajay Kumar Singh
Assistant Professor
Department of Forestry, Wildlife &
Enviromental Science , GGV , Bilaspur (C.G)

SUBMITTED BY:
Nisha Pandey
B.Sc. Forestry 8th Semester
Enroll. No. GGV/20/06544
Roll No. 20007041

Department of Forestry, Wildlife & Environmental Science

GURU GHASHIDAS VISHWAVIDYALAYA BILASPUR (C.G)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

डॉ. अजय कुमार सिंह
सहायक प्राध्यापक
प्राकृतिक संसाधन अध्ययन शाला
वानिकी, वन्यजीव एवं पर्यावरण विज्ञान विभाग
गुरु घासीदास विश्वविद्यालय, बिलासपुर, छत्तीसगढ
+91- 7879721224, 7000591141
aks.ggu@gmail.com, ajayksingh.02@ggu.ac.in

Dr. Ajay Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh
+91- 7879721224, 7000591141
aks.ggu@gmail.com, ajayksingh.02@ggu.ac.in

CERTIFICATE

This is to certify that the Village Attachment Report entitled:

"SOCIO-ECONOMIC SURVEY OF NAGOI VILLAGE, BILASPUR, CHHATTISGARH"

submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry,Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by Nisha Pandey of B.Sc. Forestry, 8th Semester , Enrollment No. GGV/20/06544 under my guidance and supervision.

I wish her all the success in her future academic endeavors.

Dr. Ajay Kumar Singh

Assistant Professor

Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur, (C.G.)

CONTENTS

CHAPTER-1	**Introduction**		**1-3**
1.1		Socio-Economic Survey	
1.2		Definition	
1.3		Importance of socio-economic survey	
1.4		Socio-Economic assessment	
1.5		Aim of the survey	
1.6		Objective of the survey	
CHAPTER-2	**Methodology**		**4-6**
		Methodology adopted for survey	
2.1		Selection of the area	
2.2		Developing baseline conditions	
2.3		Designing a questionnaire form	
2.4		Data collection from Primary source	
2.5		Data collection from Secondary Source	
2.6		Data entry and verification	
2.7		Data analysis and representation	
CHAPTER-3	**Village Profile**		**7-20**
3.1		General profile of the village	
3.2		Map of village	
3.3		Village infrastructure	
CHAPTER-4	**Demographic Profile**		**21-25**
4.1		Demographic and resource data of Village	
1.		Population status	
2.		Social anatomy	
3.		Poverty status	
4.		Housing pattern	
5.		Educational status	
6.		Literacy rate	
7.		Occupation and employment	
8.		Source of water	
9.		Cooking status	
10.		Livestock	
11.		Technology	
12.		Government schemes	
CHAPTER-5	**Obervation**		**26**
CHAPTER -6	**Conclusion**		**27**
CHAPTER-7	**Suggetion**		**28**
CHAPTER- 8	**References**		**29**

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A TRAINING REPORT ON

FOREST INSTITUTE & INDUSTRIAL TRAINING

BILASPUR, (C.G.)

{ FOREST INSTITUTE & INDUSTRIAL VISIT }

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

(SESSION: 2023-24)

UNDER THE SUPERVISION OF:

Dr. Ajay Kumar Singh

Assistant Professor
Department of Forestry, Wildlife &
Environmental Science
GGV, Bilaspur, (C.G.)

SUBMITTED BY :

Nisha Pandey

B.Sc. Forestry 8th Semester
Enroll. No. GGV/20/06544
Roll No : 20007041

Department of Forestry, Wildlife & Environmental Science

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

डॉ. अजय कुमार सिंह
सहायक प्राध्यापक
प्राकृतिक संसाधन अध्ययन शाला
वानिकी, वन्यजीव एवं पर्यावरण विज्ञान विभाग
गुरु घासीदास विश्वविद्यालय, बिलासपुर, छत्तीसगढ
+91- 7879721224, 7000591141
aks.ggu@gmail.com, ajayksingh.02@ggu.ac.in

Dr. Ajay Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh
+91- 7879721224, 7000591141
aks.ggu@gmail.com, ajayksingh.02@ggu.ac.in

CERTIFICATE

This is to certify that the Forest operations work experience report entitled:

"Training report on Forest Institute and Industrial training" submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry from Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by Nisha Pandey of B.Sc. Forestry 8th Semester, and Enrollment No. (GGV/20/06544) under my supervision.

I wish her all the success in her future academic endeavors.

Dr. Ajay Kumar Singh
Assistant Professor
Department of Forestry, Wildlife &
Environmental Science GGV, Bilaspur (C. G.)

CONTENTS

S.No	Chapter	Page.No
1	Bamboo Art & Wood Based Novel Products	1-6
2	Mushroom Production and it's Waste Management	7-16
3	Vermicompost Production	17-20
4	Conclusion	21
5	References	22

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

A TRAINING REPORT ON

FOREST ATTACHMENT IN RAIGARH FOREST DIVISION

[PIN – 496001]

{ FOREST OPERATIONS WORK EXPERIENCE }

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

(SESSION: 2023-24)

UNDER THE SUPERVISION OF:

Dr. Ajay Kumar Singh

Assistant Professor
Department of Forestry, Wildlife &
Environmental Science
GGV, Bilaspur, (C.G.)

SUBMITTED BY :

Nisha Pandey

B.Sc. Forestry 8th Semester
Enroll. No. GGV/20/06544
Roll No : 20007041

Department of Forestry, Wildlife & Environmental Science

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

डॉ. अजय कुमार सिंह
सहायक प्राध्यापक
प्राकृतिक संसाधन अध्ययन शाला
वानिकी, वन्यजीव एवं पर्यावरण विज्ञान विभाग
गुरु घासीदास विश्वविद्यालय, बिलासपुर, छत्तीसगढ
+91- 7879721224, 7000591141
aks.ggu@gmail.com, ajayksingh.02@ggu.ac.in

Dr. Ajay Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh
+91- 7879721224, 7000591141
aks.ggu@gmail.com, ajayksingh.02@ggu.ac.in

CERTIFICATE

This is to certify that the Forest operations work experience report entitled: **"FOREST ATTACHMENT IN RAIGARH FOREST DIVISION"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry from Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by Nisha Pandey of B.Sc. Forestry 8th Semester, and Enrollment No. (GGV/20/06544) under my supervision.

I wish her all the success in her future academic endeavors.

Dr. Ajay Kumar Singh
Assistant Professor
Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur (C. G.)

CONTENTS

S.No	Chapter	Page No
1	Forest in Chhattisgarh	1-5
2	Introduction of Raigarh Forest Area	7-6
3	Forest Wood Depot	8-18
4	Forest Nursery	19-28
5	WaterShead Management , Wildlife Management & Non-Timber Forest Produces & Management	29-36
6	Coup Felling Area / Working Circle Area	37-40
7	Working Plain	41-46
8	Conclusion	47
9	References	48

A TRAINING REPORT ON SOCIO-ECONOMIC SURVEY-VILLAGEATTACHMENT OF NIRTU VILLAGE

BILASPUR, (C.G)

PIN-495001

Submitted for Partial Fulfilment of Requirement
for the degree the Bachelor of Science
In
Forestry and Environmental Sciences

(SESSION: 2023-24)

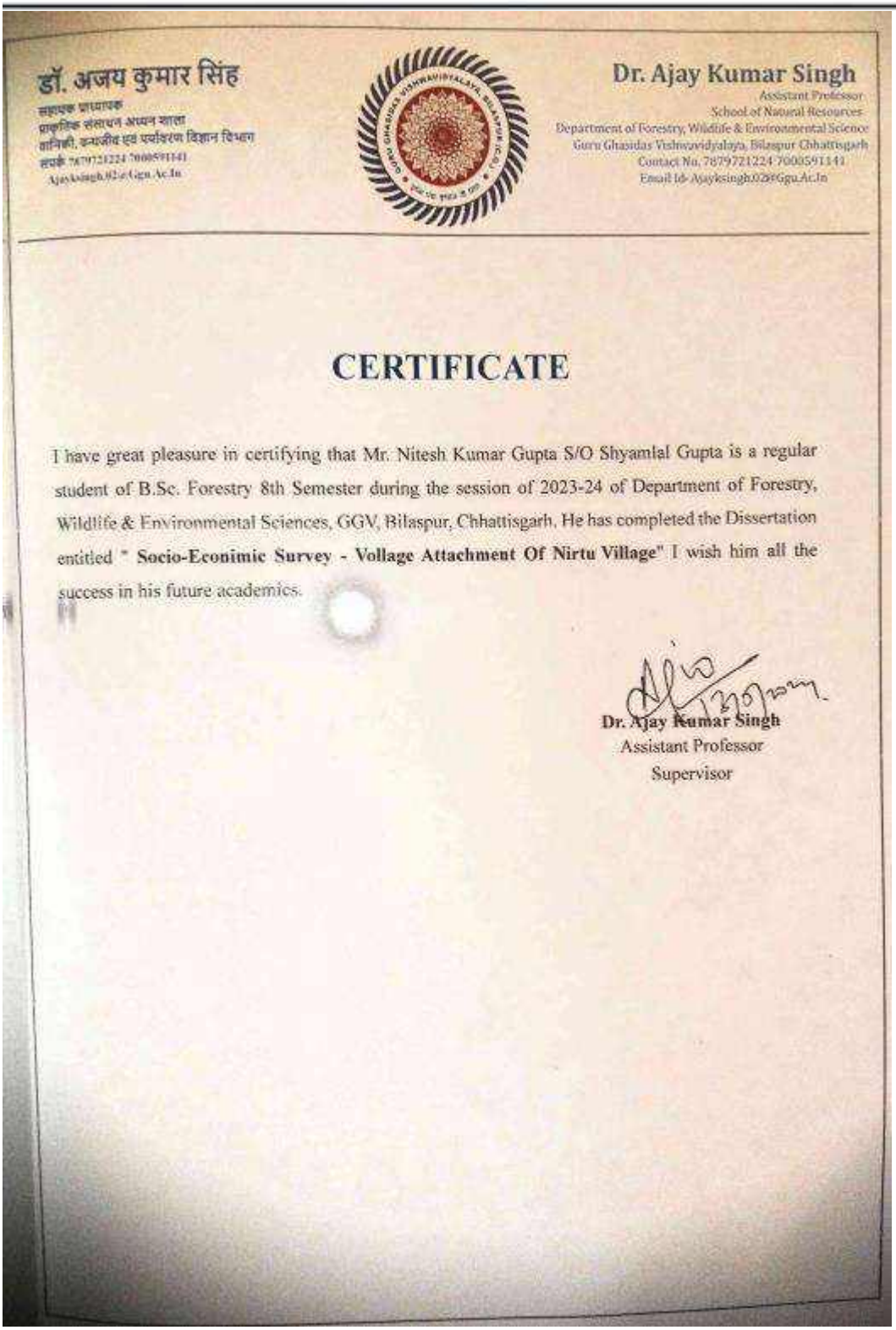
UNDER THE SUPERVISION OF:
Dr. Ajay Kumar Singh
(Assistant professor)
Department of Forestry, Wildlife &
Enviornmental Science
GGV, Bilaspur, (C.G.)

SUBMITTED BY:
Nitesh kumar Gupta
B.Sc. Forestry 8th Semester
Roll No.-20007042
Enrollment No.-GGV/20/06545

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)



डॉ. अजय कुमार सिंह
सहायक प्राध्यापक
प्राकृतिक संसाधन अध्ययन शाला
वानिकी, वन्यजीव एवं पर्यावरण विज्ञान विभाग
संपर्क 7879721224 7000591141
Ajaysingh.02@Ggu.Ac.In

Dr. Ajay Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh
Contact No. 7879721224 7000591141
Email Id- Ajaysingh.02@Ggu.Ac.In

CERTIFICATE

I have great pleasure in certifying that Mr. Nitesh Kumar Gupta S/O Shyamlal Gupta is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, GGV, Bilaspur, Chhattisgarh. He has completed the Dissertation entitled " **Socio-Econimic Survey - Vollage Attachment Of Nirtu Village**" I wish him all the success in his future academics.

Dr. Ajay Kumar Singh
Assistant Professor
Supervisor

CONTENTS

CHAPTER-1		**Introduction**	**1-3**
	1.1	Socio-Economic Survey	
	1.2	Definition	
	1.3	Importance of socio-economic survey	
	1.4	Socio-Economic assessment	
	1.5	Aim of the survey	
	1.6	Objective of the survey	
CHAPTER-2		**Methodology**	**4-7**
		Methodology adopted for survey	
	2.1	Selection of the area	
	2.2	Developing baseline conditions	
	2.3	Designing a questionnaire form	
	2.4	Data collection from Primary source	
	2.5	Data collection from Secondary Source	
	2.6	Data entry and verification	
	2.7	Data analysis and representation	
CHAPTER-3		**Village Profile**	**8-29**
	3.1	General profile of the village	
	3.2	Map of village	
	3.3	Village infrastructure	
CHAPTER-4		**Demographic Profile**	**30-40**
	4.1	Demographic and resource data of Village	
	1.	Population status	
	2.	Social anatomy	
	3.	Poverty status	
	4.	Housing pattern	
	5.	Educational status	
	6.	Literacy rate	
	7.	Occupation and employment	
	8.	Source of water	
	9.	Cooking status	
	10.	Livestock	
	11.	Technology	
	12.	Land utilization pattern	
	13.	Government schemes	
CHAPTER-5		**Obervation**	**41**
CHAPTER-6		**Conclusion**	**42**
CHAPTER-7		**Suggetion**	**43**
		References	**44**

A TRAINING REPORT ON

FOREST INSTITUTE AND INDUSTRIAL VISIT

BILASPUR, (C.G)

PIN-495001

Submitted for Partial Fulfilment of Requirement

for the degree the Bachelor of Science

In

Forestry and Environmental Sciences

(SESSION: 2023-24)

UNDER THE SUPERVISION OF
Dr. Ajay Kumar Singh
(Assistant professor)
Department of Forestry, Wildlife &
Enviornmental Science
GGV, Bilaspur, (C.G.)

SUBMITTED BY:
Nitesh kumar Gupta
B.Sc. Forestry 8th Semester
Roll No.-20007042
Enrollment No.-GGV/20/06545

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

डॉ. अजय कुमार सिंह
सहायक प्राध्यापक
प्राकृतिक संसाधन अध्ययन शाला
वानिकी, वन्यजीव एवं पर्यावरण विज्ञान विभाग
संपर्क 7879721224 7000591141
Ajayksingh.02@Ggu.Ac.In

Dr. Ajay Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh
Contact No. 7879721224 7000591141
Email Id- Ajayksingh.02@Ggu.Ac.In

CERTIFICATE

I have great pleasure in certifying that Mr. Nitesh Kumar Gupta S/O Shyamlal Gupta is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, G[illegible] Bilaspur, Chhattisgarh. He has completed the Dissertation entitled **"Forest Institute And Industrial Visit"** I wish him all the success in his future academics.

13/12/2024

Dr. Ajay Kumar Singh
Assistant Professor
Supervisor

CONTENTS

CHAPTER -1		**Bamboo Art And Wood Based Novel Product**	**1-10**
	1.1	Introduction	
	1.2	Bamboo	
	1.3	Bamboo Art	
	1.4	Important of bamboo art	
	1.5	Objective of bamboo art	
	1.6	Processing of bamboo art	
	1.7	Tools use in bamboo art	
	1.8	Bamboo crafts made by student	
	1.9	Wood based novel products	
	1.10	Wood based crafts	
	1.11	Wood crafts species	
	1.12	Wood crafts	
CHAPTER - 2		**Mushroom Production**	**11-25**
	2.1	Introduction	
	2.2	Important of Mushroom	
	2.3	Structure of Mushroom	
	2.4	Life cycle of Mushroom	
	2.5	Types of Edible Mushroom	
	2.6	Production of Mushroom	
	2.7	Marketing of mushroom	
	2.8	Mushroom waste management	
CHAPTER - 3		**Conclusion**	**26**
CHAPTER - 4		**Reference**	**27**

A TRAINING REPORT ON
FOREST OPERATION WORK EXPERIENCE IN
BALOD FOREST DIVISION

BALOD, (C.G)

PIN-491226

Submitted for Partial Fulfilment of Requirement
for the degree the Bachelor of Science
In
Forestry and Environmental Sciences

(SESSION: 2023-24)

UNDER THE SUPERVISION OF:
Dr. Ajay Kumar Singh
(Assistant professor)
Department of Forestry, Wildlife &
Enviornmental Science
GGV, Bilaspur, (C.G.)

SUBMITTED BY:
Nitesh kumar Gupta
B.Sc. Forestry 8th Semester
Roll No.-20007042
Enrollment No.- GGV/20/06545

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

डॉ. अजय कुमार सिंह
सहायक आचार्य
वानिकी, वन्यजीव एवं पर्यावरण विज्ञान विभाग
स्कूल ऑफ नेचुरल रिसोर्सेज
गुरु घासीदास विश्वविद्यालय, बिलासपुर (छ.ग.)

Dr. Ajay Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh
Contact No. 7879721224 7000591741
Email Id- Ajaysingh.ifse@ggu.Ac.in

CERTIFICATE

I have great pleasure in certifying that Mr. Nitesh Kumar Gupta S/O Shyamlal Gupta is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, GGV, Bilaspur, Chhattisgarh. He has completed the Dissertation entitled "**Forest Operation Work Experience In Balod Forest Division**" I wish him all the success in his future academics.

Dr. Ajay Kumar Singh
Assistant Professor
Supervisor

CONTENTS

CHAPTER -1		**Forest in Chhattisgarh**	1-5
	1.1	Forest in Chhattisgarh	
	1.2	Forest Area of Chhattisgarh	
	1.3	Chhattisgarh Forest Administration	
	1.4	Chhattisgarh Forest Deoartment Introduction	
CHAPTER - 2		**Nursery**	6-13
	2.1	Nursery	
	2.2	Important of Nursery	
	2.3	Types of Nursery	
	2.4	Site selection for Nursery	
	2.5	Management of young Nursery Plants	
	2.6	Tree species in Nursery	
	2.7	Activities Performed in the Nursery	
CHAPTER - 3		**Forest Working Plan**	14-17
	3.1	Working Plan	
	3.2	Types of Working Plan	
	3.3	Management Classification	
CHAPTER – 4		**Forest Wood Depot**	18-30
	4.1	Introduction	
	4.2	Management Of Forest Depot	
	4.3	Auctioning Process	
	4.4	Casting	
	4.5	Transit pass	
	4.6	Tree Species	
	4.7	Physical verification	
	4.8	Online Selling/Buying of wood	
	4.9	Conclusion	
CHAPTER - 5		**Watershed Management Practices**	31-36
	5.1	Watershed	
	5.2	Watershed Management	
	5.3	Objective Watershed Management	
	5.4	Important of Watershed Management	
	5.5	Cause for watershed deterioration	
	5.6	Watershed Management structural practices in Balod Devision forest Area	
CHAPTER – 6		**Bamboo Plantation**	37-39
	6.1	Bamboo	

A REPORT ON SOCIO-ECONOMIC SURVEY OF PARSADA VILLAGE PALI, KORBA –CHHATTISGARH

(A Village Attachment Report)

Submitted for partial fulfillment of requirement for the degree the Bachelor of Science in Forestry

SESSION- 2023-24

Under the Supervision –

DR. AJAY KUMAR SINGH
Assistant professor,
Department Of Forestry,
Wildlife and Environmental Sciences,
GGV, Bilaspur

Submitted By –

ONKAR SINGH RAJPUT
B.sc. Forestry 8th semester
Roll no- 20007043
Enrollment no- GGV/20/06546

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDHYALAYA BILASPUR (C.G)

(A Central University Establishment under Central University Act 2009. No. 25 Of 2009)

GURU GHASIDAS VISHWAVIDHYALAYA BILASPUR (C.G)

(A Central University Establishment under Central University Act 2009, No. 25 Of 2009)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

CERTIFICATE

This is to certify that Mr. Onkar Singh Rajput S/o Mr. Rup Singh Rajput, bearing Enrollment No- *GGV/20/06546 of Department of forestry, Wildlife and environmental Sciences has completed this training entitled "Training Report On Social- Economic Survey Of Village Parsada" under our guidance.*

We wish his all the success in his academics.

Dr. Ajay Kumar Singh
Assistant Professor
Department Of Forestry
GGV, Bilaspur

S.No.	Title	Page No.
CHAPTER 01	INTRODUTION	6-11
CHAPTER 02	VILLAGE PROFILE	12-15
CHAPTER 03	DEMOGRAPHIC PROFILE OF PARSADA	16-22
CHAPTER 04	FOREST AND INDUSTRIES	23-24
CHAPTER 05	PROBLEMS	25-26
CHAPTER 06	SUGGESTIONS	27
CHAPTER 07	CONCLUSIONS	28
CHAPTER 08	REFERENCE	29

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A REPORT ON INDUSTRIES REALATED TO FOREST

(An Industrial Report)

Submitted for partial fulfillment of requirement for the degree the Bachelor of Science in Forestry

SESSION- 2023-24

Under the Supervision -

DR. AJAY KUMAR SINGH
Assistant professor,
Department Of Forestry,
Wildlife and Environmental Sciences,
GGV, Bilaspur.

Submitted By -

ONKAR SINGH RAJPUT
B.sc. Forestry 8th semester
Roll no- 20007043
Enrollment no- GGV/20/06546

GURU GHASIDAS VISHWAVIDHYALAYA BILASPUR (C.G)
(A Central University Establishment under Central University Act 2009, No. 25 Of 2009)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

Certificate

This is to certify that Mr. Onkar Singh Rajput S/o Mr. Rup Singh Rajput, bearing Enrollment No-GGV/20/06546 of Department of forestry, Wildlife and environmental Sciences has completed this training entitled "Training Report On Forest Based Industries" under our guidance.

We wish his all the success in his academics.

Dr. Ajay Kumar Singh
Assistant Professor
Department Of Forestry
GGV, Bilaspur

S.No	Topics	Page. no
01	Bamboo Art and Novel Based Product	1-11
02	Mushroom Production and It's Waste Management	12-22
03	Conclusion	23
04	Reference	24

A REPORT ON SOCIO- ECONOMIC SURVEY OF PARSADA VILLAGE PALI, KORBA –CHHATTISGARH

(A Village Attachment Report)

Submitted for partial fulfillment of requirement for the degree the Bachelor of Science in Forestry

SESSION- 2023-24

Under the Supervision -

DR. AJAY KUMAR SINGH
Assistant professor,
Department Of Forestry,
Wildlife and Environmental Sciences,
GGV, Bilaspur

Submitted By –

ONKAR SINGH RAJPUT
B.sc. Forestry 8th semester
Roll no- 20007043
Enrollment no- GGV/20/06546

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDHYALAYA BILASPUR (C.G)

(A Central University Establishment under Central University Act 2009. No. 25 Of 2009)

GURU GHASIDAS VISHWAVIDHYALAYA BILASPUR (C.G)

(A Central University Establishment under Central University Act 2009, No. 25 Of 2009)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

CERTIFICATE

This is to certify that Mr. Onkar Singh Rajput S/o Mr. Rup Singh Rajput, bearing Enrollment No- *GGV/20/06546 of Department of forestry, Wildlife and environmental Sciences has completed this training entitled "Training Report On Social- Economic Survey Of Village Parsada" under our guidance.*

We wish his all the success in his academics.

14/7/2023

Dr. Ajay Kumar Singh
Assistant Professor
Department Of Forestry
GGV, Bilaspur

CONTENT

S.NO.	TOPIC	PAGE NO.
1	INTRODUCTION	6-9
2	APICULTUREHONEY PRODUCTION	10-13
3	REGIONALGEOGRAPHIC CENTER	14-16
4	WORKING PLANOF FOREST	17-18
5	WOOD DEPOT	19-26
6	NYRSERY MANAGEMENT	27-29
7	ACHANAKMARTIGER RESERVE	30-33
8	CONCLUSION	34
9	REFERENCE	35

Assessment of a Training Report On

Socio-Economic Survey of Nirtu Village in Bilaspur, Chhattisgarh

Dissertation

Submitted for Partial Fulfilment of Requirement

for the degree the Bachelor of Science

In

Forestry and Environmental Sciences

(SESSION: 2023-24)

UNDER THE SUPERVISION OF:

Dr. Ajay Kumar Singh

(Assistant professor)

Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Padmini Sahu

B.Sc. Forestry 8th Semester

Roll No.-20007044
Enrollment No.- GGV/20/06547

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

डॉ. अजय कुमार सिंह
सहायक प्राध्यापक
प्राकृतिक संसाधन अध्ययन शाला
वानिकी, वन्यजीव एवं पर्यावरण विज्ञान विभाग
गुरु घासीदास विश्वविद्यालय, बिलासपुर, छत्तीसगढ़
7879721224 7000591141
AjayKsingh.02@Ggu.Ac.In

Dr. Ajay Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh
Contact No. 7879721224 7000591141
Email Id- Ajayksingh.02@Ggu.Ac.In

CERTIFICATE

I have great pleasure in certifying that **Ms. Padmini Sahu** D/o Ramkaushal sahu is a regular student of B.Sc. Forestry 8th Semester (Forest Management) during the session of 2022-23 of Department of Forestry, Wildlife & Environmental Sciences, GGV, Bilaspur, Chhattisgarh. He has completed the Dissertation entitled " **Assessment of a Training Report on Socio-Economic Survey of Nirtu Village in Bilaspur, Chhattisgarh** " I wish him all the success in his future academics.

(Dr. Ajay Kumar Singh)
Assistant Professor
Supervisor

S.No.	Title	Page No.
CHAPTER 01	INTRODUTION	6-11
CHAPTER 02	VILLAGE PROFILE	12-15
CHAPTER 03	DEMOGRAPHIC PROFILE OF PARSADA	16-22
CHAPTER 04	FOREST AND INDUSTRIES	23-24
CHAPTER 05	PROBLEMS	25-26
CHAPTER 06	SUGGESTIONS	27
CHAPTER 07	CONCLUSIONS	28
CHAPTER 08	REFERENCE	29

Assessment of a Training Report On

Forest Institute & Industrial Training, Bilaspur, Chhattisgarh

Dissertation

Submitted for Partial Fulfilment of Requirement

for the degree the Bachelor of Science

In

Forestry and Environmental Sciences

(SESSION: 2023-24)

UNDER THE SUPERVISION OF:

Dr. Ajay Kumar Singh

(Assistant professor)

Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Padmini Sahu

B.Sc. Forestry 8th Semester

Roll No.- 20007044
Enrollment No.- GGV/20/06547

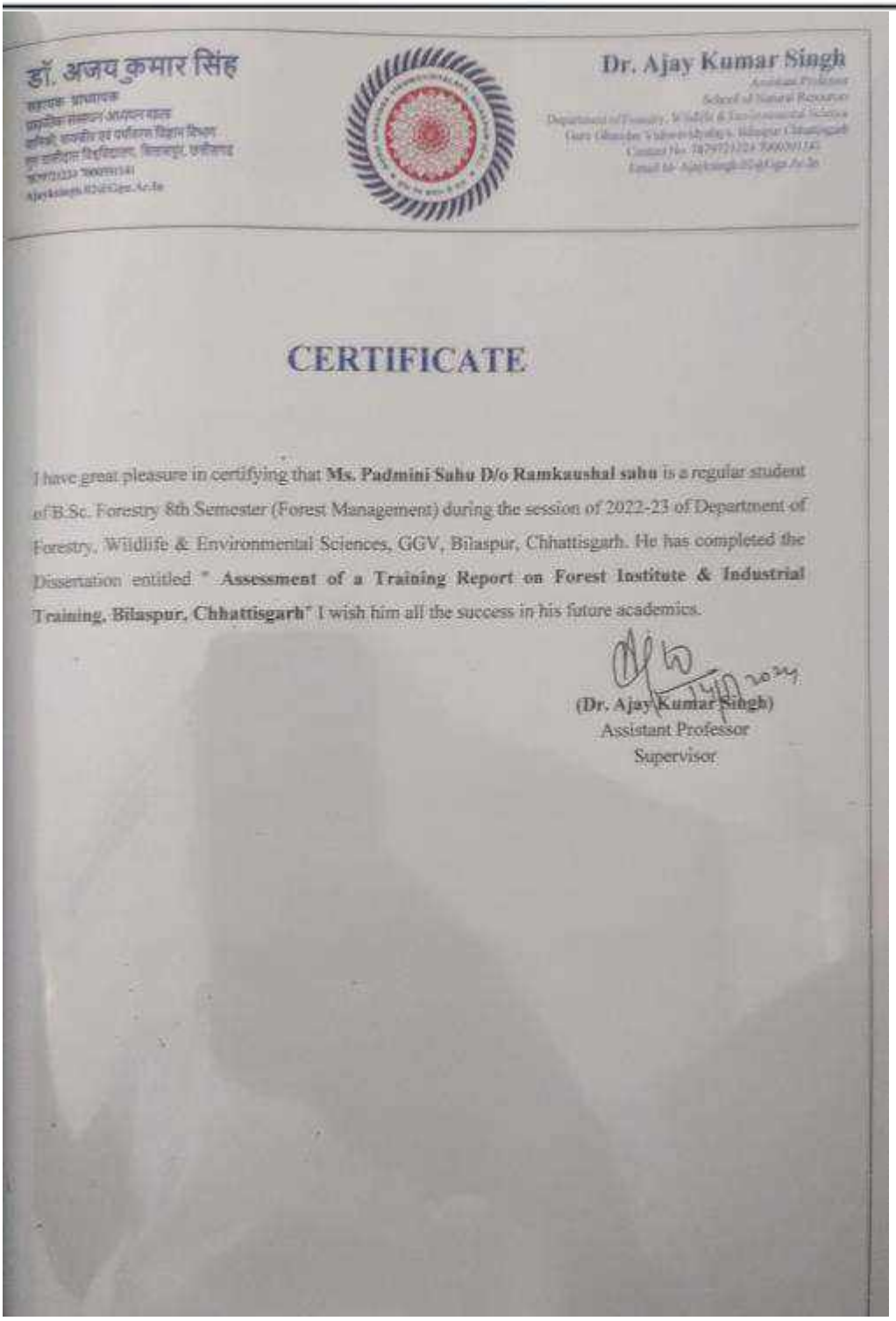
DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)



डॉ. अजय कुमार सिंह
सहायक आचार्य
प्रकृतिक संसाधन अध्ययन शाला
वानिकी, वन्यजीव एवं पर्यावरण विज्ञान विभाग
गुरु घासीदास विश्वविद्यालय, बिलासपुर, छत्तीसगढ़
संपर्क सूत्र: 7869721224, 9406391545
Ajaykumarsingh.fes@ggu.ac.in

Dr. Ajay Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh
Contact No. 7869721224, 9406391545
Email Id: Ajaykumarsingh.fes@ggu.ac.in

CERTIFICATE

I have great pleasure in certifying that **Ms. Padmini Sahu D/o Ramkaushal sahu** is a regular student of B.Sc. Forestry 8th Semester (Forest Management) during the session of 2022-23 of Department of Forestry, Wildlife & Environmental Sciences, GGV, Bilaspur, Chhattisgarh. He has completed the Dissertation entitled " **Assessment of a Training Report on Forest Institute & Industrial Training, Bilaspur, Chhattisgarh**" I wish him all the success in his future academics.

14/11/2024

(Dr. Ajay Kumar Singh)
Assistant Professor
Supervisor

CONTENTS

CHAPTER -1		**Bamboo Art And Wood Based Novel Product**	**1-10**
	1.1	Introduction	
	1.2	Bamboo	
	1.3	Bamboo Art	
	1.4	Important of bamboo art	
	1.5	Objective of bamboo art	
	1.6	Processing of bamboo art	
	1.7	Tools use in bamboo art	
	1.8	Bamboo crafts made by student	
	1.9	Wood based novel products	
	1.10	Wood based crafts	
	1.11	Wood crafts species	
	1.12	Wood crafts	
CHAPTER - 2		**Mushroom Production**	**11-25**
	2.1	Introduction	
	2.2	Important of Mushroom	
	2.3	Structure of Mushroom	
	2.4	Life cycle of Mushroom	
	2.5	Types of Edible Mushroom	
	2.6	Production of Mushroom	
	2.7	Marketing of mushroom	
	2.8	Mushroom waste management	
CHAPTER - 3		**Conclusion**	**26**
CHAPTER - 4		**Reference**	**27**

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A TRAINING REPORT ON

FOREST ATTACHMENT IN RAIGARII FOREST DIVISION

I PIN -496001 |

{FOREST OPERATIONS WORK EXPERIENCE}

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE

BACHELOR OF SCIENCE IN FORESTRY

(SESSION: 2023-24)

UNDER THE SUPERVISION OF:
Dr. Ajay Kumar Singh
Assistant Professor
Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur, (C.G.)

SUBMITTED BY :
Padmini Sahu
B.Sc. Forestry 8th Semester
Enroll. No. GGV/20/06547
Roll No : 20007044

Department of Forestry, Wildlife & Environmental Science
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (COG.)
(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

डॉ. अजय कुमार सिंह
सहायक प्राध्यापक
प्राकृतिक संसाधन अध्ययन शाला
वानिकी, वन्यजीव एवं पर्यावरण विज्ञान विभाग
गुरु घासीदास विश्वविद्यालय, बिलासपुर, छत्तीसगढ़
7879721224 7000591141
Ajaysingh.02@Ggu.Ac.In

Dr. Ajay Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh
Contact No. 7879721224 7000591141
Email Id- Ajaysingh.02@Ggu.Ac.In

CERTIFICATE

I have great pleasure in certifying that **Ms. Padmini Sahu D/o Ramkaushal sahu** is a regular student of B.Sc. Forestry 8th Semester (Forest Management) during the session of 2022-23 of Department of Forestry, Wildlife & Environmental Sciences, GGV, Bilaspur, Chhattisgarh. He has completed the Dissertation entitled " **Assessment of a Training Report on Forest Attachment Survey of Balod Forest Division, Chhattisgarh** " I wish him all the success in his future academics.

(Dr. Ajay Kumar Singh)
Assistant Professor
Supervisor

CONTENTS

CHAPTER -1		**Forest in Chhattisgarh**	1-5
	1.1	Forest in Chhattisgarh	
	1.2	Forest Area of Chhattisgarh	
	1.3	Chhattisgarh Forest Administration	
	1.4	Chhattisgarh Forest Deoartment Introduction	
CHAPTER - 2		**Nursery**	6-13
	2.1	Nursery	
	2.2	Important of Nursery	
	2.3	Types of Nursery	
	2.4	Site selection for Nursery	
	2.5	Management of young Nursery Plants	
	2.6	Tree species in Nursery	
	2.7	Activities Performed in the Nursery	
CHAPTER - 3		**Forest Working Plan**	14-17
	3.1	Working Plan	
	3.2	Types of Working Plan	
	3.3	Management Classification	
CHAPTER – 4		**Forest Wood Depot**	18-30
	4.1	Introduction	
	4.2	Management Of Forest Depot	
	4.3	Auctioning Process	
	4.4	Casting	
	4.5	Transit pass	
	4.6	Tree Species	
	4.7	Physical verification	
	4.8	Online Selling/Buying of wood	
	4.9	Conclusion	
CHAPTER - 5		**Watershed Management Practices**	31-36
	5.1	Watershed	
	5.2	Watershed Management	
	5.3	Objective Watershed Management	
	5.4	Important of Watershed Management	
	5.5	Cause for watershed deterioration	
	5.6	Watershed Management structural practices in Balod Devision forest Area	
CHAPTER – 6		**Bamboo Plantation**	37-39
	6.1	Bamboo	

	6.2	Bamboo forest of Dalli Rajhara	
	6.3	Classification Of Bamboo	
	6.4	Life cycle Of bamboo	
	6.5	Treatment Of Bamboo	
	6.6	Bamboo harness	
CHAPTER – 7		**Hi Tech Barriers**	40-41
	7.1	Hi tech Barrier	
	7.2	Preliminary offence report	
CHAPTER - 8		**Archeological Site Chitwa Dongri, Lohara**	42-45
	8.1	Introduction	
	8.2	Feature Of chitwa dongri	
	8.3	Tribal arts	
CHAPTER - 9		**Millets**	46-47
CHAPTER - 10		**Conclusion**	48
CHAPTER - 11		**Reference**	49

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

SOCIO-ECONOMIC REPORT OF TARRI VILLAGE RAIPUR CHHATTISGARH PIN- 493885

(Village Attachment Report)

(Session- 2023-2024)

Submitted for Partial Fulfillment of the Requirement for Degree of Bachelor of Science
In
Forestry

Under the Supervision of:
Dr. Brijendra Pratap Singh
Assistant Professor
Department Of Forestry,
Wildlife & Environmental Sciences
GGV, Bilaspur (C.G.)

Submitted By:
Pragya Yadu
B.Sc. Forestry 8th Semester
Roll No. – 20007046
Enroll. No. - GGV/20/06549

DEPARTMENT OF FORESTRY, WILDLIFE, & ENVIRONMENTAL SCIENCES
ICFREA++
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR-495009, CHHATTISGARH
(A Central university established under central university act 2009, no.25 of 2009)

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

(A Central university established under central university act 2009, no.25 of 2009)

Date:

(Session- 2023-2024)

CERTIFICATE

This is to certify that the village attachment report entitled: **"SOCIO-ECONOMIC SURVEY OF TARRI VILLAGE, RAIPUR, CHHATTISGARH"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry from Department of Forestry, Wildlife & Environmental Sciences,ICFRE A++, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **PRAGYA YADU** of **B. Sc. Forestry VIIIth Semester** Student (Rollno.20007046) under my guidance and supervision, her work was appreciable and satisfactory.

I wish her all the success in her future academic endeavors.

Dr. Brijendra Pratap Singh
(Assistant Professor)
Dept. of Forestry, Wildlife and
Environmental Sciences
GGV, Bilaspur (C.G.)

INDEX

TITLE	PAGE NO.
Chapter 1: Socio-Economic Survey	
Introduction Definition Purpose & Scope of the Socio-Economic Survey Aim and Objective of Socio-Economic Survey	1 -2
Chapter 2: Methodology	
Procedure Limitation of Data Collection	3-6
Chapter 3: Geography and Social Structure	
Location Demography of village Map of Tarri Village Literacy level Natural Resources	7
Chapter 4: Data Analysis	
Village Infrastructure Demographic Details	8-23
Chapter 5: Government Schemes	24-25
Chapter 6: Problems and Suggestions	26
Chapter 7: Conclusion	27

A REPORT ON
FIELD TRAINING (ATTACHMENT WITH STATE FOREST DEPARTMENT)

Submitted for Partial Fulfilment of Requirement for the degree the Bachelor of Sciences In Forestry

Session – 2023-24

Under the Supervision of:
DR.BRIJENDRA PRATAP SINGH
Assistant Professor
Department of Forestry, Wildlife & Environment Sciences

Submitted By:
PRAGYA YADU
B.Sc. Forestry 8th semester
Roll.no.:20007046
Enrollment no.: GGV/20/06549

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE
ICFRE A++
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certifying that Ms. PRAGYA YADU D/o Mr. TEJENDRA KUMAR YADU, is a regular student of B.Sc. Forestry 8th semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences GGV, Bilaspur. She has completed this training entitled "Report on Field training (Attachment with state Forest Department)" under my guidance.

I wish her all the success in her academics.

DR.BRIJENDRA PRATAP SINGH
Assistant Professor
Department of Forestry,
Wildlife and Environmental
sciences ,GGV,Bilaspur

CONTENT

S.NO.Z	TOPIC	PAGE NO.
1	CHAPTER 1: INTRODUCTION	6-9
2	CHAPTER 2: PARIVESH E-GREEN PORTAL FSI REPORT. WILDLIFE TRACKING REMOT SENSIN& GIS APPLICATION	10- 11
3	CHAPTER 3:UTILIZATION HONEY PROCESSING UNIT, MFP, C-MART	12-16
4	CHAPTER 4: REGIONAL GEOGRAPHICAL CENTER	17-18
5	CHAPTER 5: WOOD DEPOT	19-25
6	CHAPTER 6: NURSERY MANAGEMENT	26- 28
7	CHAPTER 7: BIODIVERSITY COSEVATION ACT	29-30
8	CHAPTER 8: WILD LIFE ZOO	31-32
9	CHAPTER 9: COCLUSION REFRENCES	33

A

REPORT ON

FOREST INSTITUTE AND INSTITUTIONAL TRAINING

Submitted for partial fulfillment of requirement for the Degree of

Bachelor of Sciences

In

Forestry

(Session: 2023-24)

SUPERVISED BY:

Dr. Brijendra Pratap Singh
Assistant Professor
Department of Forestry, Wildlife And Environmental Sciences

SUBMITTED BY:

Pragya Yadu
B.Sc. Forestry
VIII[th] Semester
Roll No: 20007046
Enrollment No: GGV/20/0654

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES,

ICFRE A++

GURU GHASIDAS VISHWAVIDYALAYA
(A Central University Established Under Central University Act 2009, No.25 of 2009)
BILASPUR-495009, CHHATTISGARH

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

This is to certify that the Forest Institute and Institutional Training report entitled: **"Forest Institute and Institutional Report"** has been submitted for partial fulfilment of Degree of B.Sc. Forestry to Department of forestry, wildlife and environmental sciences, Guru Ghasidas University, Bilaspur, Chhattisgarh, has been carried out by **Ms. PRAGYA YADU** D/O Mr. Tejendra Kumar Yadu is a regular student of B.Sc. Forestry VIII Semester during the session of 2023-24 under my supervision. Her work was appreciable and satisfactory.

I wish her all success in her future academic endeavours.

Supervisor

Dr. Brijendra Pratap Singh
(Assistant Professor)

CONTENT

S.No.	TOPIC	Page No.
1	Bamboo Art and Novel Based Product	06-11
2	Mushroom Production and It's Waste Management	12-22
3	Conclusion	23
4	Reference	24

A REPORT ON

SOCIO-ECONOMIC SURVEY OF GOKULPUR VILLAGE,BILASPUR CHHATTISGARH

(A Village Attachment Report)

Submitted for Partial Fulfillment of Requirement for the degree the Bachelor of Sciences

In

Forestry

Under the Supervision of:

Dr. BRIJENDRA PRATAP SINGH
Assistant Professor,
Department of Forestry,
Wildlife and Environmental Sciences
GGV, Bilaspur.

Submitted By

RAJA VASTRAKAR

B.Sc. Forestry 8th Semester
Roll No. 20007048
Enrolment No. GGV/20/06551

Session – 2023-24

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that Mr. Raja Vastrakar S/o Mr. Ramkishor Vastrakar, bearing Enrollment No.– GGV/20/06551 of Department of Forestry, Wildlife and Environmental Sciences has completed this training entitled **"Training report on Socio –economic Survey of Village Gokulpur"** under my guidance.

I wish him all the success in his academics.

10/05/24

Dr. Brijendra Pratap Singh

Assistant Professor
Department of
Forestry, GGV,
Bilaspur.

CONTENT

S.NO.	Title	Page No.
CHAPTER 1	INTRODUCTION	6-12
CHAPTER 2	VILLAGE PROFILE	13-16
CHAPTER 3	DEMOGRAPHIC PROFILE OF GOKULPUR	24-30
CHAPTER 4	FOREST AND BIODIVERSITY OF VILLAGE	31-32
CHAPTER 5	AWARENESS PROGRAMME AND PLANTATION IN VILLAGE	33-36
CHAPTER 6	PROBLEMS	37
CHAPTER 7	SUGESSTIONS	38
CHAPTER 8	CONCLUSION	39
CHAPTER 9	REFERENCE	40

A REPORT ON

FOREST OPERATION WORK EXPERIENCE

(A Forest Attachment Report)

Submitted for Partial Fulfilment of Requirement for the degree

the Bachelor of Science

In

Forestry

Session _ 2023-24

Under the Supervision of:
Dr. Brijendra Pratap Singh
Assistant Professor,
Department Of Forestry, Wildlife And Environmental Science,
GGV, Bilaspur.

Submitted By:
Raja Vastrakar
Bsc.Forestry 8th Semester
Roll No. 20007048
Enrolment No.GGV/20/06551

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

DEPARTMENT OF FORESTRY, WILDLIFE ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that **Mr. Raja Vastrakar** S/O **Mr. Ramkishor Vastrakar** bearing Enrollment No.–GGV/20/06551 of Department of Forestry, Wildlife and Environmental Sciences has completed this training entitled **" Forest operation and work experience ."(Attatchment with state Forest Department)"** under my guidance .

I wish him all the success in his academics.

10/05/24

Dr. Brijendra Pratap Singh
Assistant Professor
Department of Forestry,
GGV, Bilaspur.

CONTENT

S.NO.	TOPIC	PAGE NO.
1.	CHAPTER 1: INTRODUCTION	7 - 11
2.	CHAPTER 2 : BILASPUR FOREST DIVISION	12 - 21
3.	CHAPTER 3 : WOOD DEPOT	22 - 34
4.	CHAPTER 4 : JILA UNION ,BILASPUR	35 - 43
5.	CHAPTER 5 : NWFP MART AND SANJEEVANI,C- MART	44- 48
6.	CHAPTER 6 : HONEY PROCESSING CENTRE	49 - 54
7.	CHAPTER 7 : REGIONAL GEOMETIC CENTRE	55- 64
8.	CHAPTER 8 : NURSERY MANAEMENT, BHANSAJHAL	65 - 68
9.	CHAPTER 9 : ZOO MANAGEMENT, KANAN PENDARI	69- 75

10.	CHAPTER 10 : CONCLUSION	76.
11.	CHAPTER 11 : REFRENCES	77.

A REPORT ON

FOREST INSTITUTE AND INSTITUTIONAL TRAINING

Submitted for Partial Fulfilment of Requirement for the degree the Bachelor of Science In Forestry

Session . 2023-24

Under the Supervision of:
Dr. Brijendra Pratap singh
Assistant Professor,
Department Of Forestry,Wildlife And Environmental Sciences,
GGV,Bilaspur.

Submitted By:
Raja Vastrakar
Bsc.Forestry 8th Semester
Roll No. 20007048
Enrolment No.GGV/20/06551

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that **Mr. Raja Vastrakar** S/o **Mr. Ramkishor Vastrakar** bearing Enrollment No.–GGV/20/06551 of Department of Forestry, Wildlife and Environmental Sciences has completed this training entitled **" Training report on Forest institute and institutional training "** under my guidance .

I wish him all the success in her academics.

Dr. Brijendra Pratap Singh
Assistant Professor
Department of Forestry,
GGV, Bilaspur.

CONTENT

S.NO.	TOPIC	PAGE NO.
1.	CHAPTER 1: INTRODUCTION	6 - 8
2.	CHAPTER 2 : BAMBOO ART AND WOOD BASED NOVEL PRODUCTS	9 - 19
3.	CHAPTER 3: TRAINING OF MUSHROOM PRODUCTION AND ITS WASTE MANAGEMENT	20 - 53
4.	CHAPTER 4: CONCLUSION	54.
5.	CHAPTER 5: REFERENCE	55.

A TRAINING REPORT ON

VILLAGE SURVEY IN KORBA DISTRICT

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF
THE BACHELOR OF SCIENCE IN FORESTRY

(SESSION: 2024-25)

UNDER THE SUPERVISION OF:

DR. BRIJENDRA PRATAP SINGH

Assistant Professor

Department of Forestry, Wildlife &
Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

RAJENDRA KUMAR

B.Sc. Forestry 8th Semester

Enroll. No. GGV/20/06552

Roll No. 20007049

Department of Forestry, Wildlife & Environmental Science

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

This is to certify that **Mr. Rajendra kumar** S/o **Mr. Pardeshiram**

bearing Enrollment No.–GGV/20/06552 of Department of Forestry, Wildlife and Environmental Sciences has completed this training entitled " **Training report on Forest institute and institutional training** " under my guidance .

I wish him all the success in her academics.

10/05/2022

Dr. Brijendra Pratap Singh
Assistant Professor
Department of Forestry,
GGV, Bilaspur.

Contents

	Page number
Chapter-1	1-3
• Introduction	
• Objective	
• Socio economic assessment	
Chapter-2	4-6
• Methodology	
Chapter-3	7-12
• Finding of survey	
Chapter-4	13-21
• Village infrastructure	
Chapter-5	22
• Government schemes	
Chapter- 6	23
• Status of women	
Chapter-7	
• SWOT analysis	24-25

Chapter-8

- Conclusion
- Recommendation

A REPORT ON
FOREST INSTITUTE AND INSTITUTIONAL TRAINING

Submitted for Partial Fulfilment of Requirement for the degree the

Bachelor of Science In Forestry

(SESSION: 2024-25)

UNDER THE SUPERVISION OF:

DR BRIJENDRA PRATAP SINGH
Assistant Professor
Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur, (C.G.)

SUBMITTED BY:

RAJENDRA KUMAR
B.Sc. Forestry 8th Semester
Enroll. No. GGV/20/06552
Roll No. 20007049

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDASVISHWAVIDYALAYABILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009,No. 25 of 2009)

CERTIFICATE

This is to certify that **Mr. Rajendra kumar** S/o **Mr. Pardeshiram**

bearing Enrollment No.-GGV/20/06552 of Department of Forestry, Wildlife and Environmental Sciences has completed this training entitled " **Training report on Forest institute and institutional training** " under my guidance .

I wish him all the success in her academics.

10/05/2021

Dr. Brijendra Pratap Singh
Assistant Professor
Department of Forestry,
GGV, Bilaspur.

Enrollment No. GGV/20/06552

CONTENT

CHAPTER-1		INTRODUCTION	6-7
	1.1	Forest institute	
	1.2	institutional training	
CHAPTER -2		BAMBOO AND WOODEN ART	8-12
	1.1	Bamboo art	
	1.2	Bamboo	
	1.3	Objective of the bamboo art	
	1.4	Tools use in bamboo art	
	1.5	Bamboo crafts made by students	
	1.6	Wood art	
	1.7	Wood based novel products	
	1.8	Wood crafts species	
	1.9	Wood crafts	
CHAPTER-3		Mushroom Production	13-21
	2.1	Introduction	
	2.2	Benefit of mushroom	
	2.3	Structure of Mushroom	
	2.4	Life cycle of Mushroom	
	2.5	Types of Edible Mushroom	
	2.6	Production of Mushroom(3 type of mushroom)	
	2.7	procedure	
	2.8	veremicompost	
CHAPTER-10		Conclusion	22
CHHAPTER-11		Reference	23

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A TRAINING REPORT ON

FOREST ATTACHMENT IN RAJNANDGAON FOREST DEVISION

(FOREST OPERATIONS WORK EXPERIENCE)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF
THE BACHELOR OF SCIENCE IN FORESTRY

(SESSION: 2024-25)

UNDER THE SUPERVISION OF:

DR. BRIJENDRA PRATAP SINGH

Assistant Professor

Department of Forestry, Wildlife &
Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

RAJENDRA KUMAR

B.Sc. Forestry 8th Semester

Enroll. No. GGV/20/06552

Roll No. 20007049

Department of Forestry, Wildlife & Environmental Science

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

This is to certify that the Forest operations work experience report entitled: **"FOREST ATTACHMENT IN RAJNANDGAON FOREST DEVISION "** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **MR. RAJENDRA KUMAR of B.Sc. Forestry 8th Semester, and Enrollment No. (GGV/20/06552)** under my supervision.

I wish her all the success in her future academic endeavors.

10/05/2024

DR. BRIJENDRA PRATAP SINGH
Assistant Professor
Department of Forestry, Wildlife
& Environmental Science
GGV, Bilaspur (C. G.)

CONTENTS

CHAPTER -1		Forest in Chhattisgarh	8-10
	1.1	Forest in Chhattisgarh	
	1.2	Forest cover in c.g	
	1.3	Chhattisgarh forest department	
	1.4	Forest head	
CHAPTER - 2		Mungata wildlife park	11-14
	2.1	Basic detail	
	2.2	introduction	
	2.3	Biodivercity in mangata	
	2.4	Chiuldren parks	
	2.6	Tent houses & resorts	
CHAPTER - 3		Biodiversity in mangata	15-16
	3.1	Introduction	
	3.2	Flora fauna	
	3.3	Tree species	
	3.4	Anumals	
CHAPTER – 4		Line trasnsect suirvey	17-18
	4.1	Line transect survey	
	4.2	Equipment	
	4.3	Line transact	
	4.4	Habitat assesment	
	4.5	Sign survey	
	4.6	Pugmark identification	
CHAPTER - 5		Forest management in mangata	19-21
	5.1	Objective	
	5.2	Jungle safari	
	5.3	Children garden	
	5.4	Ammount reimbursed	
	5.5	Manav divas	
	5.6	Herbal products	
	5.7	Other info.	
CHAPTER - 6		Working plan	22-25
	6.1	Scop of working pan	
	6.2	Procedure	
	6.3	Tendu leaves collection	
	6.4	Working circle	

	6.5	Central depot	
	6.6	Chalan	
	6.7	Wood species	
CHAPTER – 7		Nursery	26-27
	7.1	management	
	7.2	Types of bed	
	7.3	Procedure	
	7.4	Basic info	
	7.5	Species in nurseery	
	7.6	Bed preparation	
CHAPTER –		Mahua processing center	28-29
	8.1	Introduction	
	8.2	Basic info	
	8.3	Herbal products	
	8.4	Machines	
	8.5	foods process	
CHAPTER - 8		**Conclusion**	30

SOCIO-ECONOMICS SURVEY OF NAGOI VILLAGE IN BILASPUR (C.G.)

{VILLAGE ATTACHMENT}

Submitted for partial fulfilment of requirement for the bachelor degree of science In Forestry

SESSION:- 2023-24

UNDER THE SUPERVIVION OF:
Dr. Brijendra Pratap Singh
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

SUBMITTED BY:
Mr. Ramgopal Choudhary
B.Sc. Forestry 8th Semester
Roll No. 20007050
Enrollment No.GGV/20/06553

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय, बिलासपुर
Guru Ghasidas Vishwavidyalaya, Bilaspur
A Central University established by the Central University Act 2009 No. 25 of 2009

CERTIFICATE

I have great pleasure in certifying that **Mr. RAMGOPAL CHOUDHARY** is a regular student of B.Sc FORESTRY 8th SEMESTER during the session of 2023-2024 of Department of Forestry ,Wildlife and Environmental Science. He has completed field training entitled **"SOCIO- ECONOMIC SURVEY- REPORT OF A VILLAGE"** under my guidance.

I wish him all the success in his future academic endeavors.

09/05/24

Dr. Brijendra Pratap Singh

Assistance Professor

(Supervisor)

INDEX

CHAPTER – 1 (INTRODUCTION)

DEFINATION

a. Importance of Socio – Economic survey
b. Socio-Economic assessment
c. Aim of the survey
d. Objectives of survey
e. Methodology adopted for survey

CHAPTER – 2 (VILLAGE PORTRAIT)

a. General profile of the village
b. Map of the village
c. Village infrastructures

CHAPTER – 3 (DEMOGRAPHIC PROFILE)

a. Population status
b. Socio Anatomy
c. Sex Ratio
d. Level of education
e. Household Pattern
f. Availability of water
g. Occupation
h. Communication
i. Livestock
j. Agricultural practices
k. Government schemes in village
l. Vehicles

CHAPTER – 4 (PROBLEMS)

CHAPTER – 5 (SUGGESTION)

(CONCLUSION)

FOREST ATTACHMENT REPORT

Submitted for partial fulfilment of requirement for the bachelor degree of science In Forestry

SESSION:- 2023-24

Under the Supervision of
Dr. Brijendra Pratap Singh
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

Submitted By
Mr. Ramgopal Choudhary
B.Sc. Forestry 8th Semester
Roll No. 20007050
Enrollment No. GGV/20/06553

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय, बिलासपुर
Guru Ghasidas Vishwavidyalaya, Bilaspur
A Central University established by the Central University Act 2009 No. 25 of 2009

CERTIFICATE

This is to certify that **Mr. Ramgopal Choudhary** of B.Sc FORESTRY 8th Semester bearing Enrollment number . GGV/20/06553 during the session of 2023-2024 of Department of Forestry ,Wildlife and Environmental Science has completed his field training entitled **"Forest Attachment Bilaspur Forest Division"** under my guidance.

I wish him all the success in his future academic endeavours.

09/05/24

Dr. Brijendra Pratap Singh

Assistance Professor
(Supervisor)

Department of Forestry,
Wildlife & Environmental
Sciences

INDEX

TITLE	PAGE NO.
Chapter 1: Introduction	**1 – 5**
1.1 Climate& Rainfall	
1.2 Distribution & Area	
1.3 Types of Forest	
1.4 Forest Administration Hierarchy	
1.5 Sections under Forest Department	
Chapter 2: Working Plan & PWPR	**6 – 9**
2.1 Need of Working Plan	
2.2 Objectives of Working Plan	
2.3 Formation of Working Plan	
2.4 Field Work for Working Plan Formulation	
Chapter 3: Human Elephant Conflict	**10 – 15**
3.1 Introduction	
3.2 Human – Elephant Conflict	
Chapter 4: GIS Section	**16 – 21**
4.1 Definition	
4.2 Components of GIS	
4.3 How GIS Works?	
4.4 Choice of Software	
4.5 Application of GIS	
Chapter 5: Legal Section	**22 – 28**
1. Forest Conservation Act	
2. Forest Rights Act, 2006	
3. The Indian Forest Act, 1927	
4. The Wild Life (Protection) Act, 1972	
Chapter 6: Forest Nursery & Plantation Site	**29 – 37**
6.1 Introduction	
6.2 Importance of Nursery	
6.3 Selection of the Nursery Site	
6.4 Activities Performed in the Nursery	
6.5 Direction of Bed	
6.6 Plantation Site	
Chapter 7: Honey Production Unit	**38 – 45**
7.1 Introduction	
7.2 Life Cycle of Honey Bee	
7.3 Procedure	
7.4 Health Benefits of Honey	
Chapter 8: Palkot Wildlife Sanctuary	**46 – 54**
8.1 Introduction	
8.2 Wildlife Management	
8.3 Wildlife Tracking	
8.4 Entry Point Activity	
Chapter 9: Conclusion	**55**
Chapter 10: Reference	**56**

A TRAINING REPORT ON

FOREST INSTITUTE AND INDUSTRIAL TRAINING

BILASPUR, (C.G)

(INDUSTRIAL TRAINING)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

Session - 2023-24

UNDER THE SUPERVISION OF:

Dr. Brijendra Pratap Singh

Assistant Professor

Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Ramgopal Choudhary

B.Sc. Forestry 8th Semester

Enroll. No. GGV/20/06553

Roll No. 20007050

Department of Forestry, Wildlife & Environmental Science Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: **"FOREST INSTITUTE AND INDUSTRIAL TRAINING"** submitted for the partial fulfilment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out **Ramgopal Choudhary** Of B.Sc. Forestry 8th Semester Enroll. No. GGV/20/06553) under my guidance and supervision.

I wish him all the success in his future academic endeavors.

09/05/24

Dr. Brijendra Pratap Singh

Assistant Professor
Department of Forestry, Wildlife
& Environmental Science
GGV, Bilaspur, (C.G.)

CONTENTS

CHAPTER -1		**Bamboo**	**1-10**
	1.1	Importance of bamboo art	
	1.2	Objective of the bamboo art	
	1.3	Processing of bamboo art	
	1.4	Tools use in bamboo art	
	1.5	Bamboo crafts made by students	
	1.6	Wood based novel products	
	1.7	Wood based crafts	
	1.8	Wood crafts species.	
	1.9	Wood crafts	
CHAPTER - 2		**Mushroom Production**	**5-23**
	2.1	Introduction	
	2.2	Important of Mushroom	
	2.3	Structure of Mushroom	
	2.4	Life cycle of Mushroom	
	2.5	Types of Edible Mushroom	
	2.6	Production of Mushroom	
	2.7	Storage of Mushroom	
	2.8	Marketing of Mushroom	
	2.9	Mushroom Waste Management	
Conclusion			**24**
Reference			**25**

SOCIO-ECONOMIC SURVEY REPORT OF TARRI VILLAGE, RAIPUR, CHHATTISGARH PIN- 493885

(Village Attachment Report)

(Session- 2023-2024)

Submitted for Partial Fulfillment of the Requirement for Degree of

Bachelor of Science

In

Forestry

Under the Supervision of:
Dr. Brijendra Pratap Singh
Assistant Professor
Department Of Forestry,
Wildlife & Environmental Sciences
GGV, Bilaspur (C.G.)

Submitted By:
Rashmi Bhardwaj
B.Sc. Forestry 8th Semester
Roll No. – 20007051
Enroll. No. - GGV/20/06554

DEPARTMENT OF FORESTRY, WILDLIFE, & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR-495009, CHHATTISGARH
(A Central university established under central university act 2009, no.25 of 2009)

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR-495009 (C.G.)
(A Central university established under central university act 2009, no.25 of 2009)

Date: 9/5/24

(Session- 2023-2024)

CERTIFICATE

I have great pleasure in certifying that **Ms. Rashmi Bhardwaj** D/o **Mr. Kumar Sundram Bhardwaj** is a regular student of B.Sc. Forestry VIII[th] semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences. She has completed field training entitled **"Socio – Economic Survey Report of Village – Tarri, Raipur"** under my guidance.

I wish her all success in her future academic endeavours.

Dr. Brijendra Pratap Singh
(Assistant Professor)
Dept. of Forestry, Wildlife and
Environmental Sciences,
GGV, Bilaspur (C.G.)

INDEX

TITLE	PAGE NO.
Chapter 1: Socio-Economic Survey	**1 – 2**
1.1 Introduction	
1.2 Definition	
1.3 Purpose & Scope of the Socio-Economic Survey	
1.4 Aim & Objective of Socio-Economic Survey	
Chapter 2: Methodology	**3 – 5**
2.1 Procedure	
2.2 Limitations of Data Collection	
Chapter 3: Geography & Village Profile	**6 – 9**
3.1 General Profile of Village	
3.2 Map of Tarri Village	
3.3 Natural Resources	
Chapter 4: Infrastructure	**10 – 23**
4.1 Village Infrastructure	
4.2 Social Infrastructure	
Chapter 5: Demographic Details	**24 – 33**
5.1 Demographic Distribution	
5.2 Lifestyle Amenities	
5.3 Local Economy	
Chapter 6: Awareness Programmes	**34 – 36**
Chapter 7: Government Schemes	**37 – 40**
Chapter 8: Problems & Suggestions	**41 – 42**
Chapter 9: Conclusion	**43**
Chapter 10: References	**44**

REPORT ON
FOREST INSTITUTE & INDUSTRIAL TRAINING

Session: 2023-24

Submitted for partial fulfillment of requirement for the Degree of Bachelor of Science in Forestry

Under the Supervision of:

Dr. Brijendra Pratap Singh
Assistant Professor
Department Of Forestry,
Wildlife & Environmental Sciences
GGV, Bilaspur (C.G.)

Submitted By:

Rashmi Bhardwaj
B.Sc. Forestry 8th Semester
Roll No. – 20007051
Enroll. No. - GGV/20/06554

DEPARTMENT OF FORESTRY, WILDLIFE, & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR-495009, CHHATTISGARH
(A Central university established under central university act 2009, no.25 of 2009)

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

(A Central university established under central university act 2009, no.25 of 2009)

Date: 9/5/24

(Session: 2023 – 2024)

CERTIFICATE

I have great pleasure in certifying that **Ms. Rashmi Bhardwaj** D/o **Mr. Kumar Sundram Bhardwaj** is a regular student of B.Sc. Forestry VIII[th] semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences. She has completed field training entitled **"Forest Institute and Industrial Visit / Training"** under my guidance.

I wish her all success in her future academic endeavours.

Dr. Brijendra Pratap Singh
(Assistant Professor)
Dept. of Forestry, Wildlife and
Environmental Sciences
GGV, Bilaspur (C.G.)

INDEX

TITLE	PAGE NO.
Chapter 1: Introduction	1
1.1 Industrial Training	
1.2 Forest Based Industry	
1.3 Forest Based Industries in Chhattisgarh	
1.4 Aim of Industrial Attachment	
Chapter 2: Bamboo Art & Novel Products	2 – 7
2.1 Introduction	
2.2 Economic Contribution & Market Size	
2.3 Bamboo as a Material	
2.4 Tools Used	
2.5 Manufacturing Process	
2.6 Bamboo Based Products Display	
Chapter 3: Wood Based Novel Products	8 – 11
3.1 Introduction	
3.2 Wood Carving	
3.3 Tools Used in Wood Working & Carving	
3.4 Carving Process	
3.5 Market Overview	
Chapter 4: Mushroom Production & Its Waste Management	12 – 20
4.1 Introduction	
4.2 Types of Mushrooms	
4.3 Process of Oyster Mushroom Production	
4.4 Process of Paddy Mushroom Production	
4.5 Process of Milky Mushroom Production	
4.6 Mushroom Waste Management	
4.7 Mushroom Value-Added Products	
Chapter 5: Plywood Industry	21 – 25
5.1 Introduction	
5.2 Steps of Manufacturing Plywood	
Chapter 6: Sawmill	26 – 31
6.1 Introduction	
6.2 Process at Sawmill	
6.3 Major Tree Logs, GST & Costing	
6.4 Machines used in Sawmills	
Chapter 7: Conclusion	32
Chapter 8: References	33

FOREST ATTACHMENT REPORT OF GUMLA, JHARKHAND, PIN- 835207

(Session: 2023-2024)

Submitted for Partial Fulfillment of the Requirement for Degree of

Bachelor of Science

In

Forestry

Under the Supervision of:

Dr. Brijendra Pratap Singh
Assistant Professor
Department Of Forestry,
Wildlife & Environmental Sciences
GGV, Bilaspur (C.G.)

Submitted By:

Rashmi Bhardwaj
B.Sc. Forestry 8th Semester
Roll No. – 20007051
Enroll. No. - GGV/20/06554

DEPARTMENT OF FORESTRY, WILDLIFE, & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR-495009, CHHATTISGARH
(A Central university established under central university act 2009, no.25 of 2009)

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

(A Central university established under central university act 2009, no.25 of 2009)

Date: 9/5/24

(Session: 2023 – 2024)

CERTIFICATE

I have great pleasure in certifying that **Ms. Rashmi Bhardwaj** D/o **Mr. Kumar Sundram Bhardwaj** is a regular student of B.Sc. Forestry VIII[th] semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences. She has completed field training entitled **"FOREST ATTACHMENT" in Gumla under Forest Department** during this semester under my guidance.

I wish her all success in her future academic endeavours.

Dr. Brijendra Pratap Singh
(Assistant Professor)
Dept. of Forestry, Wildlife and
Environmental Sciences
GGV, Bilaspur (C.G.)

INDEX

TITLE	PAGE NO.
Chapter 1: Introduction	**1 – 5**
1.1 Climate& Rainfall	
1.2 Distribution & Area	
1.3 Types of Forest	
1.4 Forest Administration Hierarchy	
1.5 Sections under Forest Department	
Chapter 2: Working Plan & PWPR	**6 – 9**
2.1 Need of Working Plan	
2.2 Objectives of Working Plan	
2.3 Formation of Working Plan	
2.4 Field Work for Working Plan Formulation	
Chapter 3: Human Elephant Conflict	**10 – 15**
3.1 Introduction	
3.2 Human – Elephant Conflict	
Chapter 4: GIS Section	**16 – 21**
4.1 Definition	
4.2 Components of GIS	
4.3 How GIS Works?	
4.4 Choice of Software	
4.5 Application of GIS	
Chapter 5: Legal Section	**22 – 28**
1. Forest Conservation Act	
2. Forest Rights Act, 2006	
3. The Indian Forest Act, 1927	
4. The Wild Life (Protection) Act, 1972	
Chapter 6: Forest Nursery & Plantation Site	**29 – 37**
6.1 Introduction	
6.2 Importance of Nursery	
6.3 Selection of the Nursery Site	
6.4 Activities Performed in the Nursery	
6.5 Direction of Bed	
6.6 Plantation Site	
Chapter 7: Honey Production Unit	**38 – 45**
7.1 Introduction	
7.2 Life Cycle of Honey Bee	
7.3 Procedure	
7.4 Health Benefits of Honey	
Chapter 8: Palkot Wildlife Sanctuary	**46 – 54**
8.1 Introduction	
8.2 Wildlife Management	
8.3 Wildlife Tracking	
8.4 Entry Point Activity	
Chapter 9: Conclusion	**55**
Chapter 10: Reference	**56**

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A REPORT ON

FIELD TRAINING (ATTACHMENT WITH STATE FOREST DEPARTMENT) BILASPUR CHHATTISGARH

(A Forest Attachment Report) Submitted for Partial Fulfilment of Requirement for the degree the Bachelorof Science In Forestry

Session – 2023-24

Under the Supervision of:
Dr. Brijendra Pratap Singh
Department of Forestry, Wildlife & Environment Sciences

Submitted By:
Ritika Dixena
B.Sc. Forestry 8th semester
Roll.no.:20007052
Enrollment no.: GGV/20/06556

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certifying that **Ms. Ritika Dixena** D/o **Mr. Tirathlal Dixena** , is a regular student of B.Sc. Forestry 8th semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences GGV,Bilaspur.She has completed this training entitled **"Training report on Field training (Attachment with state Forest Department)"** under my guidance.

I wish her all the success in her academics.

Dr. Brijendra Pratap Singh
Department of Forestry, GGV,
Bilaspur

CONTENT

S.NO.Z	TOPIC	PAGE NO.
1	CHAPTER 1: INTRODUCTION	6-9
2	CHAPTER 2: PARIVESH E-GREEN PORTAL FSI REPORT. WILDLIFE TRACKING REMOT SENSIN& GIS APPLICATION	10- 11
3	CHAPTER 3:UTILIZATION HONEY PROCESSING UNIT, MFP, C-MART	12-16
4	CHAPTER 4: REGIONAL GEOGRAPHICAL CENTER	17-19
5	CHAPTER 5: WOOD DEPOT	20-28
6	CHAPTER 6 NURSERY MANAGEMENT	29- 31
7	CHAPTER 7: BIODIVERSITY COSEVATION ACT	32-33
8	CHAPTER 8: WILD LIFE ZOO	34-36
9	CHAPTER 9: COCLUSION REFRENCES	37-38

A

REPORT ON

FOREST INSTITUTE AND INSTITUTIONAL TRAINING

Submitted for partial fulfillment of requirement for the Degree of

Bachelor of Sciences

In

Forestry

(Session: 2023-24)

SUPERVISED BY:

Dr. Brijendra Pratap Singh
Assistant Professor
Department of Forestry, Wildlife And
Environmental Sciences

SUBMITTED BY:

Ritika Dixena
B.Sc. Forestry
VIII[th] Semester
Roll No: 20007052
Enrollment No:
GGV/20/06556

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA
(A Central University Established Under Central University Act 2009, No.25 of 2009)
BILASPUR-495009, CHHATTISGARH

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

This is to certify that the Forest Institute and Institutional Training report entitled: **"Forest Institute and Institutional Report"** has been submitted for partial fulfilment of Degree of B.Sc. Forestry to Department of forestry, wildlife and environmental sciences, Guru Ghasidas University, Bilaspur, Chhattisgarh, has been carried out by **Ms.RITIKA DIXENA** D/O Mr. Tirathlal Dixena is a regular student of B.Sc. Forestry VIII Semester during the session of 2023-24 under my supervision. Her work was appreciable and satisfactory.

I wish her all success in her future academic endeavours.

Dr. Brijendra Pratap Singh

Supervisor

CONTENT

S.No.	TOPIC	Page No.
1	Bamboo Art and Novel Based Product	06-11
2	Mushroom Production and It's Waste Management	12-22
3	Conclusion	23
4	Reference	23

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

SOCIO-ECONOMIC REPORT OF TARRI VILLAGE RAIPUR CHHATTISGARH PIN- 493885

(Village Attachment Report)

(Session- 2023-2024)

Submitted for Partial Fulfillment of the Requirement for Degree of

Bachelor of Science

In

Forestry

Under the Supervision of:
Dr. Brijendra Pratap Singh
Assistant Professor
Department Of Forestry,
Wildlife & Environmental Sciences
GGV, Bilaspur (C.G.)

Submitted By:
RITIKA DIXENA
B.Sc. Forestry 8th Semester
Roll No. – 20007052
Enroll. No. - GGV/20/06556

DEPARTMENT OF FORESTRY, WILDLIFE, & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR-495009, CHHATTISGARH
(A Central university established under central university act 2009, no.25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR-495009 (C.G.)
(A Central university established under central university act 2009, no.25 of 2009)

Date:

(Session- 2023-2024)

CERTIFICATE

This is to certify that the village attachment report entitled: **"SOCIO-ECONOMIC SURVEY OF TARRI VILLAGE, RAIPUR, CHHATTISGARH"** submitted for the partial fulfillment of Degree of **Bachelor of Science in Forestry from Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh** has been carried out by **RITIKA DIXENA** of **B. Sc. Forestry VIIIth Semester** Student (Roll no.20007046) under my guidance and supervision, her work was appreciable and satisfactory.

I wish her all the success in her future academic endeavors.

Dr. Brijendra Pratap Singh
(Assistant Professor)
Dept. of Forestry, Wildlife and
Environmental Sciences
GGV, Bilaspur (C.G.)

INDEX

TITLE	PAGE NO.
Chapter 1: Socio-Economic Survey 1.1 Introduction 1.2 Definition 1.3 Purpose & Scope of the Socio-Economic Survey 1.4 Aim and Objective of Socio-Economic Survey	1-2
Chapter 2: Methodology 2.1 Procedure 2.2 Limitation of Data Collection	3-6
Chapter 3: Geography and Social Structure 3.1 Location 3.2 Demography of village 3.3 Map of Tarri Village 3.4 Literacy level 3.5 Natural Resources	7
Chapter 4: Data Analysis 4.1 Village Infrastructure 4.2 Demographic Details	8-23
Chapter 5: Government Schemes	24-25
Chapter 6: Problems and Suggestions	26
Chapter 7: Conclusion	27

A REPORT ON

FOREST INSTITUTE AND INSTITUTIONAL TRAINING

Submitted for Partial Fulfilment of Requirement for the degree the

Bachelor of Science In Forestry

Session _ 2023-24

Under the Supervision of:

Dr. Atul Kumar Bharadwaj

Assistant Professor,
Department Of Forestry,Wildlife
And Environmental Sciences,
GGV,Bilaspur.

Submitted By:

Roshan Sharma

Bsc.Forestry 8th Semester
Roll No: 20007053
Enrolment No:GGV/20/06557

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that **Mr. Roshan Sharma** S/o **Mr. Jitendra Sharma** bearing Enrollment No.–GGV/20/06534 of Department of Forestry, Wildlife and Environmental Sciences has completed this training entitled " **Training report on Forest institute and institutional training** " under my guidance .

I wish him all the success in her academics.

Dr. Atul Kumar Bhardwaj
Assistant Professor
Department of Forestry,
GGV, Bilaspur.

DECLARATION

I hereby declare that the present Forest Attachment Report entitled:

" Training report on Forest institute and institutional training " interpretation or part has not been submitted for any degree or diploma of any University. The source of material and all assistance received during the course of investigation have been duly acknowledged. All the records and data given in the report are correct to my knowledge.

Roshan Sharma
B.Sc. Forestry 8th SEMESTER
Roll. No.: 20007053
Enrollment No. GGV/20/06557

A REPORT ON

FIELD TRAINING (ATTACHMENT WITH :STATE FOREST DEPARTMENT) BILASPUR CHHATTISGARH

(A Forest Attachment Report)

Submitted for Partial Fulfilment of Requirement for the degree the Bachelor of Sciences In

Forestry

Session . 2023-24

Under the Supervision of:

Dr. Atul Kumar Bhardwaj

Assistant Professor,
Department Of Forestry,Wildlife And Environmental Science,
GGV,Bilaspur.

Submitted By:

Roshan Sharma

Bsc.Forestry 8th Semester
Roll No. 20007053
Enrolment No.GGV/20/06557

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that **Mr. Roshan Sharma** S/o **Mr. Jitendra Sharma** bearing Enrollment No.–GGV/20/06557 of Department of Forestry, Wildlife and Environmental ScienceS has completed this training entitled " **Training report on Field training (Attatchment with state Forest Department)**" under my guidance .

I wish him all the success in his academics.

Dr. Atul Kumar Bhardwaj
Assistant Professor
Department of Forestry,
GGV, Bilaspur.

DECLARATION

I hereby declare that the present Forest Attachment Report entitled: "**Training report on field training (Attachment with state forest Department)**" interpretation or part has not been submitted for any degree or diploma of any University. The source of material and all assistance received during the course of investigation have been duly acknowledged. All the records and data given in the report are correct to my knowledge.

Roshan Sharma
B.Sc. Forestry 8th SEMESTER
Roll. No.: 20007053
Enrollment No. GGV/20/06557

A REPORT ON

SOCIO-ECONOMIC SURVEY OF GOKULPUR VILLAGE,BILASPUR CHHATTISGARH

(A Village Attachment Report)

Submitted for Partial Fulfillment of Requirment for the degree

the Bachelor of Science In Forestry

Session – 2023-24

Under the Supervision of:

Dr. ATUL KUMAR BHARDWAJ

Assistant Professor,
Department of Forestry,
Wildlife and Environmental Sciences
GGV, Bilaspur.

Submitted By:

ROSHAN SHARMA

B.Sc. Forestry 8th Semester
Roll No. 20007053
Enrolment No. GGV/20/06557

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that Mr. Roshan Sharma S/o Mr. Jitendra Sharma, bearing Enrollment No.– GGV/20/06557 of Department of Forestry, Wildlife and Environmental Sciences has completed this training entitled **"Training report on Socio –economic Survey of Village Gokulpur"** under my guidance.

I wish him all the success in his academics.

Dr. Atul Kumar Bhardwaj
Assistant Professor
Department of Forestry,
GGV, Bilaspur.

DECLARATION

I hereby declare that the present Village Attachment Report entitled: **"SOCIO-ECONOMIC SURVEY OF GOKULPUR VILLAGE, BILASPUR, CHHATTISGARH"** interpretation or part has not been submitted for any degree or diploma of any University. The source of material and all assistance received during the course of investigation have been duly acknowledged. All the records and data given in the report are correct to my knowledge.

Roshan Sharma
B.Sc. Forestry 8th SEMESTER
Roll. No.: 20007053
Enrollment No. GGV/20/06557

A

REPORT ON

ATTACHMENT WITH CHHATTISGARH STATE FOREST DEPARTMENT, BILASPUR FOREST DEPARTMENT

(A Forest Attachment Report)

Submitted for Partial Fulfilment of Requirement for the degree the Bachelor of Science In Forestry

Session – 2023 - 24

Under the Supervision of :

DR. ATUL KUMAR BHARDWAJ

Assistant Professor,

Department of Forestry,

Wildlife and environmental sciences

GGV, Bilaspur

Submitted By:

RUKHRAM VERMA

BSc. Forestry VIII[TH] SEM

ROLL NO. - 20007054

Enrollment no. – GGV/20/06558

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

A

REPORT ON
ATTACHMENT WITH CHHATTISGARH STATE FOREST DEPARTMENT, BILASPUR FOREST DEPARTMENT

(A Forest Attachment Report)

Submitted for Partial Fulfilment of Requirement for the degree the Bachelor of Science In Forestry

Session – 2023 - 24

Under the Supervision of :

DR. ATUL KUMAR BHARDWAJ

Assistant Professor,

Department of Forestry,

Wildlife and environmental sciences

GGV, Bilaspur

Submitted By:

RUKHRAM VERMA

BSc. Forestry VIII[TH] SEM

ROLL NO. - 20007054

Enrollment no. – GGV/20/06558

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that MR. RUKHRAM VERMA S/O Mr. BHAGWAT VERMA bearing Enrollment No.–GGV/20/06558 of Department of Forestry, Wildlife and Environmental Science has completed this training entitled

" Training report on Field training (Attatchment with state Forest Department)"

under my guidance .

I wish him all the success in his academics.

15/24

DR. ATUL KUMAR BHARDWAJ
Assistant Professor,
Department of Forestry,
Wildlife and Environmental Sciences
GGV, Bilaspur

DECLARATION

I hereby declare that the present Forest Attachment Report entitled: "Training report on field training (Attachment with state forest Department)" interpretation or part has not been submitted for any degree or diploma of any University. The source of material and all assistance received during the course of investigation have been duly acknowledged. All the records and data given in the report are correct to my knowledge.

14-05-24

RUKHRAM VERMA

B.Sc. Forestry VIIITH SEMESTER

Roll. No.: 20007054

Enrollment No. GGV/20/06558

ACKNOWLEDGMENT

Expression of giving thanks are just a part of those feeling which are too large for words, but shall remain as memories of wonderful people with whom I have got the pleasure of working during the completion of the survey.

University is an organization which trains a lot of technical trainees, they not only train the students but they change the entire prospect of our life. I am grateful to Prof. Alok Kumar Chakrawal, Honorable Vice- Chancellor, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh who motivate us to do the work.

I am also thankful to Prof. S C Tiwari, Dean, School of Natural Resources,

Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for academic help and motivation.

I take this opportunity to thank Prof. K.K. Chandra, Head, Department of Forestry, Wildlife & Environmental Sciences, GGV for boosting our confidence for such field work and academic motivation for successful completion for our project.

I am grateful to my mentor Dr. Atul Kumar Bhardwaj Assistant Professor, Department of Forestry, Wildlife & Environmental Sciences, GGV for his guidance and support during project work and report writing.

I also like to thanks to coordinator Dr. Gunjan Patil (Assistant Professor) and Dr. Chowlani Manpoong (Assistant Professor) Department of Forestry, Wildlife & Environmental Sciences, GGV for their never ending support and motivation and also their helping nature towards the students.

I would also like to thank Forest head and staff for cooperating during the data collection.

14-05-24

RUKHRAM VERMA

B.Sc. Forestry VIIITH SEMESTER

Roll. No.: 20007054

Enrollment No. GGV/20/06558

CONTENTS

S. NO.	CHAPTERS
1	INTRODUCTION TO FOREST
2	BILASPUR FOREST DIVISON
3	WOOD DEPOT
4	JILA UNION
5	NWFP MART & SANJEEVANI C - MART
6	HONEY PROCESSING UNIT
7	REGIONAL GEOMATIC CENTER
8	NURSERY MANAGEMENT, BANSAJHAL
9	WILDLIFE MANAGEMENT AND ZOO MANAGEMENT, KANAN PENDARI, SAKRI
10	CONCLUSION
11	REFERENCES

A

REPORT ON

SOCIO-ECONOMIC SURVEY, BILASPUR, CHHATTISGARH

(A Village Attachment Report)

Submitted for Partial Fulfillment of Requirment for the degree the Bachelorof Science In Forestry

SESSION – 2023-24

Under the Supervision of:

Dr. ATUL KUMAR BHARDWAJ

Assistant Profestor, Department of Forestry,

Wildlife and Environmental Sciences

GGV, Bilaspur

Submitted By:

RUKHRAM VERMA

B.Sc. Forestry VIII[TH]Semester

Roll No.- 20007054

Enrollment No. - GGV/20006558

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

A

REPORT ON

SOCIO-ECONOMIC SURVEY, BILASPUR, CHHATTISGARH

(A Village Attachment Report)

Submitted for Partial Fulfillment of Requirment for the degree the Bachelorof Science In Forestry

SESSION – 2023-24

14/05/24

Under the Supervision of:

Dr. ATUL KUMAR BHARDWAJ

Assistant Professor, Department of Forestry,

Wildlife and Environmental Sciences

GGV, Bilaspur

Submitted By:

RUKHRAM VERMA

B.Sc. Forestry VIII[TH]Semester

Roll No.- 20007054

Enrollment No. - GGV/20/06558

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that **Mr. Rukhram Verma** S/o Mr. Bhagwat Verma, bearing Enrollment No.–GGV/20/06558 of Department of Forestry, Wildlife and Environmental Sciences has completed this training entitled

"Training report on Socio – Economic Survey"

under my guidance.

I wish him all the success in his academics.

Dr. Atul Kumar Bhardwaj
Assistant Professor,
Department of Forestry,
Wildlife and Environmental Sciences
GGV, Bilaspur

DECLARATION

I hereby declare that the present Village Attachment Report entitled: **"SOCIO-ECONOMIC SURVEY OF VILLAGE, BILASPUR, CHHATTISGARH"** interpretation or part has not been submitted for any degree or diploma of any University. The source of material and all assistance received during the course of investigation have been duly acknowledged. All the records and data given in the reportare correct to my knowledge.

14-05-24

RUKHRAM VERMA
B.Sc. Forestry VIIITHSEMESTER
Roll. No.: 20007054
Enrollment No. GGV/20/06558

ACKNOWLEDGEMENT

Expression of giving thanks are just a part of those feeling which are too large for word but shall remain as memories of wonderful people with whom I have got the pleasure of working during the completion of the survey.

University is an organization which trains a lot of technical trainees, they not only train the students but they change the entire prospect of our life.

I am also thankful to **Prof. S.C. Tiwari, Dean** , School of Natural Resources, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for academic help and motivation.

I take this opportunity to thank **Prof. K.K. Chandra,** Head, Department of Forestry, Wildlife & Environmental Sciences, GGV for boosting our confidence for such field work and academic motivation for successful completion for our project.

I am grateful to my mentor **Dr. Atul Kumar Bhardwaj,** Assistant Professor, Department of Forestry, Wildlife & Environmental Sciences, GGV for his guidance and support during project work and report writing.

I also like to thanks to coordinator **Dr. Gunjan Patil** (Assistant Professor) and

Dr.Chowlani Manpoong (Assistant Professor) Department of Forestry, Wildlife & Environmental Sciences, GGV for their never ending support and motivation and also their helping nature towards the students.

I would also like to thank Village head and village people for cooperating during the data collection.

14-05-24

RUKHRAM VERMA

B.Sc. Forestry VIIITH SEMESTER

Roll. No.: 20007054

Enrollment No. GGV/20/06558

CONTENTS

S.NO.	Title	Page No.
CHAPTER 1	INTRODUCTION	1
CHAPTER 2	VILLAGE PROFILE	10
CHAPTER 3	DEMOGRAPHIC PROFILEOF VILLAGE	24
CHAPTER 4	PROBLEMS ANDAPPROACH	33
CHAPTER 5	SUGGESTIONS	37
CHAPTER 6	BIODIVERTY OF THEVILLAGE	38
CHAPTER 7	ACTIVITIES UNDERTAKEN	40
CHAPTER 8	CONCLUSION	45
CHAPTER 9	REFERENCE	46

A TRAINING REPORT ON

FOREST INSTITUTE AND INDUSTRIAL TRAINING

BILASPUR, (C.G)

(INDUSTRIAL TRAINING)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

Session: 2023 – 2024

UNDER THE SUPERVISION OF:

Dr. ATUL KUMAR BHARDWAJ

Assistant Professor

Department of Forestry, Wildlife & Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

RUKHIRAM VERMA

B.Sc. Forestry 8th Semester

Enroll.No. : GGV/20/06558

Roll No. 20007054

Department of Forestry, Wildlife & Environmental Science

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR C.G.

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

A TRAINING REPORT ON

FOREST INSTITUTE AND INDUSTRIAL TRAINING

BILASPUR, (C.G)

(INDUSTRIAL TRAINING)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

Session: 2023 – 2024

UNDER THE SUPERVISION OF:

Dr. ATUL KUMAR BHARDWAJ

Assistant Professor

Department of Forestry, Wildlife & Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

RUKHRAM VERMA

B.Sc. Forestry 8th Semester

Enroll.No. : GGV/20/06558

Roll No. 20007054

Department of Forestry, Wildlife & Environmental Science

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR C.G.

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

Department of Forestry, Wildlife & Environmental Science Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: **"FOREST INSTITUTE AND INDUSTRIAL TRAINING"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Mr. RUKHRAM VERMA of B.Sc. Forestry, 8th Semester (Enrollment No. GGV/20/06558)** under my guidance and supervision.

I wish him all the success in his future academic endeavors.

Dr. Atul Kumar Bhardwaj
Assistant Professor
Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur, (C.G.)

DECLARATION

I hereby declare that the present Forest Attachment Report entitled: **"FOREST INSTITUTE AND INDUSTRIAL TRAINING"** interpretation or part has not been submitted for any degree or diploma of any University. The source of material and all assistance received during the course of investigation have been duly acknowledged. All the records and data given in the report are correct to my knowledge.

14-05-24

RUKHRAM VERMA

B.Sc. Forestry 8th SEMESTER

Roll No. 20007054

Enrollment No. GGV/20/06558

ACKNOWLEDGEMENT

Expression of giving thanks are just a part of those feeling which are too large for words, but shall remain as memories of wonderful people with whom I have got the pleasure of working during the completion of the project.

I express my profound indebtedness to **Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh** for providing me all the necessary facility to complete my project work.

I pay my deep regards to **Prof. S. C. Tiwari,** Dean, School of Natural Resources, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for his constant help and academic encouragement.

I express my deep regards to **Dr. K.K. Chandra**, Head, Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for his valuable guidance and comments.

I express my deep sense of gratitude and thanks to my supervision and coordinator **Dr. Atul Kumar Bhardwaj,** Assistant Professor, Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh for her inspiring guidance, facilitate throughout by playing different roles as mentor, coordinator and supervisor and for inputs and moral support for designing and completion of the report.

I would like to express my gratitude to my coordinator **Dr. Gunjan Patil, Assistant Professor, Dr. Chowlani Manpoong, Assistant Professor,** Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh to facilitate as coordinator.

14-05-24

RUKHRAM VERMA

B.Sc. Forestry VIII[TH] Semester

CONTENTS

CHAPTER -1		**Bamboo**	**1-10**
	1.1	Importance of bamboo art	
	1.2	Objective of the bamboo art	
	1.3	Processing of bamboo art	
	1.4	Tools use in bamboo art	
	1.5	Bamboo crafts made by students	
	1.6	Wood based novel products	
	1.7	Wood based crafts	
	1.8	Wood crafts species.	
	1.9	Wood crafts	
CHAPTER - 2		**Mushroom Production**	**5-23**
	2.1	Introduction	
	2.2	Important of Mushroom	
	2.3	Structure of Mushroom	
	2.4	Life cycle of Mushroom	
	2.5	Types of Edible Mushroom	
	2.6	Production of Mushroom	
	2.7	Marketing of mushroom	
	2.8	Mushroom waste management	
CHAPTER - 3		**Conclusion**	**24**
CHAPTER - 4		**Reference**	**25**

• LIST OF PLATES

S. No.	Title	Pages
1.	Crafts of bamboo	3
2.	The instrument use in bamboo art	3
3.	Workshop on Bamboo art and Wood based novel products	5
4.	Making Wood Crafts by carpenter	6
5.	Wood craft made by student	7
6.	Wood Crafts Species Name	8
7.	The Instruments use in Wood Cutting and Shaping	8
8.	Wood Crafts Name	9
9.	Wood Crafts	10
10.	Mushroom workshop	11
11.	Structure of Mushroom	12
12.	Life Cycle of Mushroom	13
13.	Types of Mushroom	14
14.	Types of Mushroom	15
15.	Production of milky mushroom	19
16.	Production of oyster mushroom	20
17.	Vermicompost	23
18.	Mushroom Waste Management	23

FOREST ATTACHMENT REPORT

Submitted for partial fulfillment of requirement of the Bachelor of Science

In

FORESTRY

SESSION: 2023-24

14/05/24

Under the Supervision of
Dr. Atul kumar Bhardwaj
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya Bilaspur(C.G.)

Submitted By
Mr. Rupendra Darshan
B.Sc. Forestry 8th Semester
Roll No.20007055
Enrollment No. GGV/20/06559

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय, बिलासपुर
Guru Ghasidas Vishwavidyalaya, Bilaspur
A Central University established by the Central University Act 2009 No. 25 of 2009

CERTIFICATE

I have great pleasure in certifying that **Mr. RUPENDRA DARSHAN** S/o Mr. **BHUPAL DARSHAN** is a regular student of **B.Sc. FORESTRY VIII^th SEMESTER** during the session of **2023-2024** of Department of Forestry ,Wildlife and Environmental

Science. He has completed field training entitled **"Training Report on Forest Operation"** under my guidance.

I wish him all the success in his future academic endeavors.

14/05/24

Dr. Atul Kumar Bhardwaj
Assistance Professor
(Supervisor)
Signature and Date

INDEX

S.NO	PLACES AND DATES	ATTACHMENT OFFICERS	PAGE NO.
01.	• Chhattisgarh Forest office • C.G. Forest Dept. Structure	Ajay Sharma sir	
02.	Honey Processing unit (29/02/24)	Smt. Savitri kant nudam (Dep. Ranger)	
03.	Geomatic Center Bilaspur (28/02/2024)	Shr. Deep Prakash Sahu Sir	
04.	Geomatic Center (Working plan) (28/02/2024)	Shr. Pramod kumar sharma sir (Technical officer)	
05.	'Kasthagar' Kota (26/02/2024)	Shr. Vipin kumar choubey sir (Manager)	
06.	Bansajhaal Nursery (27/02/2024)	Shr. Pallav Nayak sir	
07.	Conclusion		
08.	Reference		

SOCIO-ECONOMIC REPORT OF NAGOI VILLAGE BILASPUR, CHHATTISGARH

Submitted for partial fulfilment for requirement of the

Bachelor of Science

In

FORESTRY

SESSION: -2023 -24

Under the Supervision of

14/05/24

Dr. Atul Kumar Bhardwaj

Assistant Professor

Department of Forestry

Wildlife & Environmental Science

Guru Ghasidas Vishwavidylaya

Bilaspur(C.G.)

Submitted By

Rupendra Darshan

B.Sc. Forestry 8th Semester

Roll No. 20007055

Enroll No. GGV/20/06559

गुरु घासीदास विश्वविद्यालय, बिलासपुर
Guru Ghasidas Vishwavidyalaya, Bilaspur
A Central University established by the Central University Act 2009 No. 25 of 2009

CERTIFICATE

I have great pleasure in certifying that **Mr. RUPENDRA DARSHAN** S/o Mr. **BHUPAL DARSHAN** is a regular student of B.Sc FORESTRY 8th SEMESTER during the session of 2023-2024 of Department of Forestry ,Wildlife and Environmental Science. He has completed field training entitled **"SOCIO-ECONOMIC SURVEY- REPORT OF A VILLAGE"** under my guidance.

I wish him all the success in his future academic endeavors.

14/05/24

Dr. ATUL KUMAR BHARDWAJ

Assistance Professor

(Supervisor)

Signature and Date

INDEX

CHAPTER – 1 (INTRODUCTION)

a. Importance of Socio – Economic survey
b. Socio-Economic assessment
c. Aim of the survey
d. Objectives of survey
e. Methodology adopted for survey

CHAPTER – 2 (VILLAGE PORTRAIT)

a. General profile of the village
b. Map of the village
c. Village infrastructures

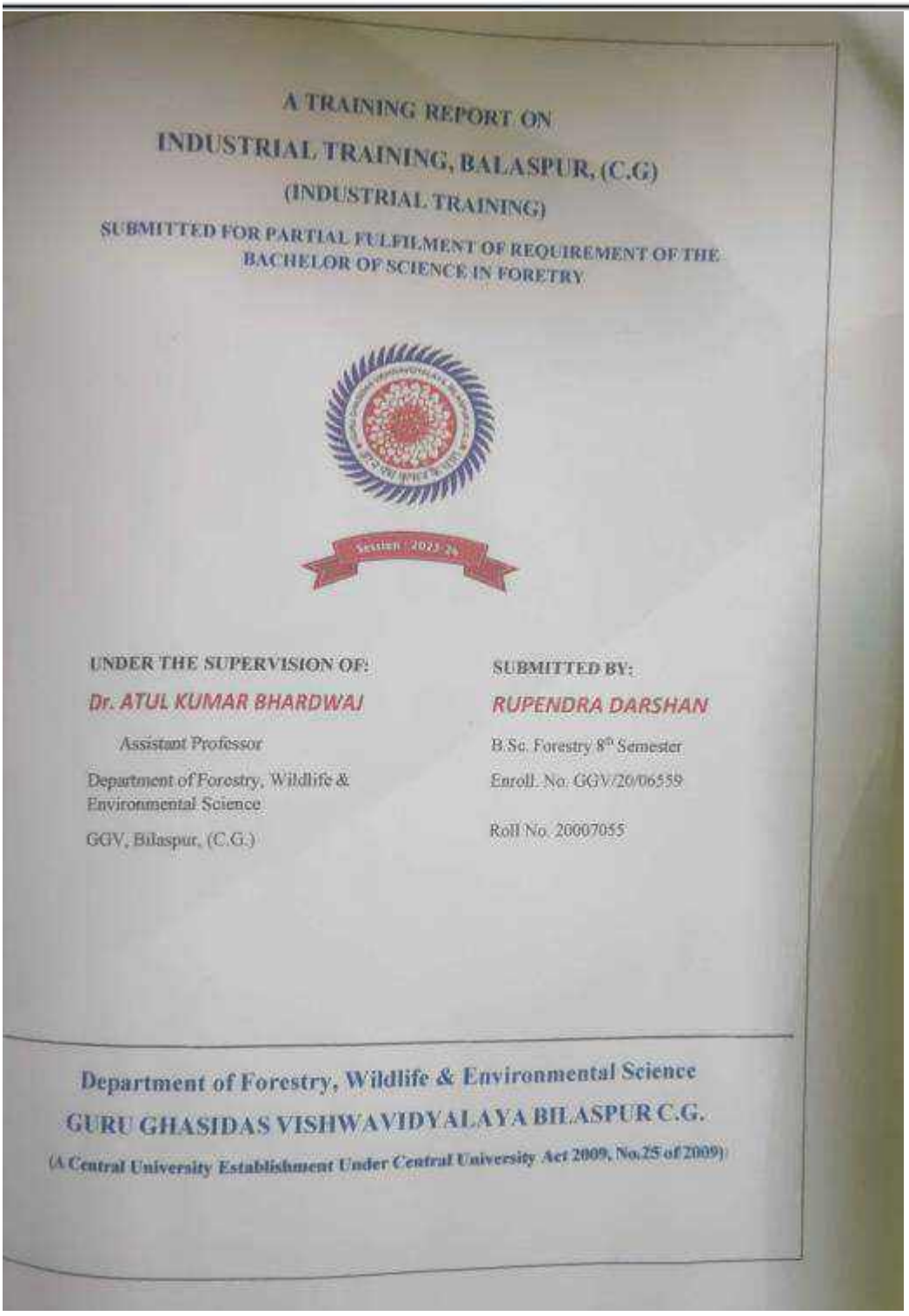
CHAPTER – 3 (DEMOGRAPHIC PROFILE)

a. Population status
b. Socio Anatomy
c. Sex Ratio
d. Level of education
e. Household Pattern
f. Availiablity of water
g. Occupation
h. Communication
i. Livestock
j. Agricultural practices
k. Government schemes in village
l. Vechicles

CHAPTER – 4 (PROBLEMS)

CHAPTER – 5 (SUGGESTION)

CHAPTER – 6 (CONCLUSION)



A TRAINING REPORT ON

INDUSTRIAL TRAINING, BALASPUR, (C.G)

(INDUSTRIAL TRAINING)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

Session : 2023-24

UNDER THE SUPERVISION OF:

Dr. ATUL KUMAR BHARDWAJ

Assistant Professor

Department of Forestry, Wildlife & Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

RUPENDRA DARSHAN

B.Sc. Forestry 8th Semester

Enroll. No. GGV/20/06559

Roll No. 20007055

Department of Forestry, Wildlife & Environmental Science

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR C.G.

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

Department of Forestry, Wildlife & Environmental Science

Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central Universi

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: **"INDUSTRIAL TRAINING"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Rupendra Darshan Student of B.Sc. Forestry, 8th Semester (Enrollment No. GGV/20/06559)** under my guidance and supervision.

I wish him all the success in his future academic endeavors.

16/05/24

Dr. ATUL KUMAR BHARDWAJ
Assistant professor
Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur, (C.G.)

CONTENTS

CHAPTER -1		**Bamboo**	1-10
	1.1	Importance of bamboo art	
	1.2	Objective of the bamboo art	
	1.3	Processing of bamboo art	
	1.4	Tools use in bamboo art	
	1.5	Bamboo crafts made by students	
	1.6	Wood based novel products	
	1.7	Wood based crafts	
	1.8	Wood crafts species,	
	1.9	Wood crafts	
CHAPTER - 2		**Mushroom Production**	5-23
	2.1	Introduction	
	2.2	Important of Mushroom	
	2.3	Structure of Mushroom	
	2.4	Life cycle of Mushroom	
	2.5	Types of Edible Mushroom	
	2.6	Production of Mushroom	
	2.7	Marketing of mushroom	
	2.8	Mushroom waste management	
CHAPTER - 3		**Conclusion**	24
CHAPTER - 4		**Reference**	25

FOREST ATTACHMENT REPORT

Submitted for partial fulfillment of requirement of the Bachelor of Science

In Forestry

(Session2023-24)

Under the Supervision of:

Dr. Atul Bhardwaj

Department of Forestry,
Wildlife &Environmental Sciences

Submitted By:

Sadhna Dansena

B.Sc. Forestry 8th Semester
Enroll. No. GGV/20/06560
Roll No. 20007056

CERTIFICATE

Date:

This is to certify that the forest operation work experience report entitled: ***"FOREST ATTACHMENT RAIGARH FOREST DIVISION"*** submitted for the partial fulfillment of *Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been* carried out by ***Sadhna Dansena B.Sc. Forestry VIII Semester*** *Student (Roll no. 20007005)* under my supervision.

I wish him all the success in her future academic endeavor.

SUPERVISOR

Dr.Atul Bhardwaj

Department of forestry,

Wildlife & Environmental sciences

CONTENT:

CHAPTER 1 *8-18*

- CG Forest Department Introduction
- Forest of Chhattisgarh
- Forest Administration
- Administrative classification
- Aim of administration
- Types of forest

CHAPTER 2 *19-26*

- Types of Nursery
- Advantage of Raising Seedling in a Nursery
- Site Selection for Nursery
- Nursery layout
- Preparation of Nursery beds
- Types of Nursery beds
- Preparation of media for propagation
- Study site: - Hi-tech Nursery
- Plant species in nursery
- Major activities performed in nursery

CHAPTER 3 *27-31*

- Working Plan for the selection -cum -Improvement working circle Raigarh
- Bamboo Rehabilitation working circle
- Watershed project in Raigarh district
- Non – timber forest produces and managment

CHAPTER 4 *32-38*

- Coupe felling area & Working Circle
- Introductions

- Procedure of felling trees in coupes
- Felling and logging

CHAPTER 5 *39-48*

- Introduction
- Management of forest depot
- Rot
- Forest wood depot
- Auctioning process
- Casting
- Major species found in Kota wood depot
- Physical verification

CHAPTER 6 *49*

- Conclusion
- Reference

A REPORT ON

FOREST INSTITUTE & INDUSTRIAL VISIT ,BILASPUR, CHHATTISGARH

Submitted for Partial Fulfillment of Requirment for the degree the Bachelor of Science In Forestry

SESSION – 2023-24

Under the Supervision of:

Dr.Atul Bhardwaj

Assistant Professor,

Department of Forestry, Wildlife and Environmental

Submitted By:

Sadhna Dansena

B.Sc. Forestry

VIIITH Semester
Roll No.- 20007056
Enroll no-GGV/20/06560

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE
GURUGHASIDASVISHWAVIDYALAYABILASPUR
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

Department of Forestry, Wildlife & Environmental Science Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

(A Central University Establishment Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Forest Attachment Report entitled: **"FOREST INSTITUTE AND INDUSTRIAL TRAINING"** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **Miss Sadhna Dansena of B.Sc. Forestry, 8th Semester (Enrollment No. GGV/20/06560)** under my guidance and supervision.

I wish her all the success in her future academic endeavors.

Dr. Atul Bhardwaj
Assistant Professor
Department of Forestry, Wildlife & Environmental Science
GGV, Bilaspur, (C.G.)

CONTENTS

CHAPTER -1		INTRODUCTION	1
CHAPTER-2		MUSHROOM	2-13
	1.1	Introduction	
	1.2	Important of Mushroom	
	1.3	Structure of Mushroom	
	1.4	Life cycle of Mushroom	
	1.5	Types of Edible Mushroom	
	1.6	Production of Mushroom	
	1.7	Marketing of mushroom	
	1.8	Mushroom waste management	
CHAPTER - 2		BAMBOO	14-19
	2.1	Importance of bamboo art	
	2.2	Objective of the bamboo art	
	2.3	Processing of bamboo art	
	2.4	Tools use in bamboo art	
	2.5	Bamboo crafts made by students	
	2.6	Wood based novel products	
	2.7	Wood based crafts	
	2.8	Wood crafts species.	
	2.9	Wood crafts	
CHAPTER - 10		CONCLUSION	20
CHAPTER - 11		REFERENCE	22

A REPORT ON SOCIO-ECONOMIC SURVEY OF NAGOI VILLAGE, BILASPUR CHHATTISGARH

Submitted for Partial Fulfillment of Required of the Bachelor of Science

In

Forestry

Session – 2023-24

Under the Supervision of:

DR. Atul Bhardwaj

Assistant Professor,
Department of Forestry,
Wildlife and Environmental Sciences,
GGV, Bilaspur.

Submitted By:

Sadhna Dansena

B.Sc. Forestry 8th Semester
Roll No. 20007056
Enrolment No. GGV/20/6560

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central university Establishment Under Central University Act 2009, No. 25 of 2009)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central university Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

I have great pleasure in certifying that **Miss Sadhna Dansena** s/o **Mr. Bhuwan Dansena** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed this training entitled **"Training report on Socio–economic Survey of Village Nagoi** during this semester under my guidance.

I wish him all the success in her academics.

Dr. Atul Bhardwaj

Assistant Professor
Department of Forestry, Wildlife and
Environmental Science,
GGV, Bilaspur.

CONTENTS

- **CHAPTER – 1 (INTRODUCTION) 7-** **9**
  1. Socio-Economic Survey
  2. Definition
  3. Importance of Socio-Economic survey
  4. Socio-Economic assessment
  5. Aim of the survey
  6. Objectives of survey
- **CHAPTER – 2 (METHODOLOGY)** **9-11**
  1. Methodology adopted for survey.
  2. Selection of the area
  3. Developing baseline conditions
  4. Designing a Questionnaire form
  5. Data collection from primary source
  6. Data collection from Secondary source
  7. Data entry and verification
  8. Data analysis & representation
- **CHAPTER -3 (VILLAGE PROFILE)** **12-28**
  1. General profile of the village
  2. Map of village
  3. Village infrastructure
- **CHAPTER – 4 (DEMOGRAFIC PROFILE)** **29 -32**
  1. Demographic and resource data of village
  2. Population Status
  3. Social Anatomy
  4. poverty status
  5. Housing pattern
  6. Level of Education
  7. Literacy Rate
  8. Occupation and employment
  9. Status of Water Source
  10. Cooking status
  11. Livestock
  12. Technology
  13. Land utilization pattern.

14. Government schemes
- CHAPTER – 5(OBSERVATION)
- CHAPTER – 6(SUGGESTIONS) 25
1
- CHAPTER – 7(CONCLUSION) 26
- CHAPTER – 8(REFERNCES) 27

No.	Title	Page
1.	Snapshot of questionnaire form	5
2.	Data collection from household and Sachiv of Nagoi	5
3.	Map of Nagoi village (Google Maps Satellite Version)	8
4.	Machines used for the preparation of dona patal (paper)	9
5.	Pucca house	10
6.	Kutcha house	10
7.	Govt. middle school Nagoi	11
8.	Higher secondary school Baima-Nagoi	11
9.	Anganwadi Nagoi	12
10.	Temple Near Nagoi Village	12
11.	Gram panchayat office Nagoi	13
12.	Primary health centre Nagoi	13
13.	Water source	14
14.	Small shops of Nagoi Village	14
15.	Marriage Hall Near Nagoi	15
16.	Entry gate and Road of Nagoi village	15
17.	Agriculture machinery	16
18.	Agriculture Status	16
19.	Livestock	17
20.	Machines used in garment. factory and in fly ash bricks preparation	17
21	products made in dome and bricks factory Nagoi	18
22	Pic in dome and brick factory Nagoi and Ganiyari	19
23	Animal Husbandary Nagoi	19

TRAINING REPORT ON FIELD TRAINING

(FOREST INSTITUTION AND INDUSTRIAL TRAINING)

(A Training Report on Forest Institution and Industrial Training)
Submitted for partial fulfillment of requirement
for the degree 'The Bachelor of science' in
forestry

SESSION 2023-24

Under the supervision of:
Dr.Atul Kumar Bhardwaj
Asst. Professor,
Department of Forestry, Wildlife
And Environmental Science

Submitted by:
Sandli Singh
Bsc.Forestry8th sem.
Roll no. 20007058
Enrollment no.:GGV/20/06562

Department of forestry, wildlife and Environmental Sciences

Guru Ghasidas Vishwavidyalaya, Bilaspur(C.G)

(A central university established under Universities Act2009,
No.25 of 2009)

Guru Ghasidas Vishwavidyalaya, Bilaspur(C.G)

(A central university established under Universities Act2009,No.25of 2009)

CERTIFICATE

*I have a great pleasure in certifying that **Ms.Sandli Singh** d/o **Mr. Vijay Narayan Singh** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023 -24 of Department of Forestry , wildlife and Environmental Sciences, GGU, Bilaspur. He has completed this forest attachment training entitled **"Training report on Field Training (Forest institution and industrial training report)"** during this semester under my guidance.*

I wish her all the success in her academics.

Dr.Atul Kumar Bharadwaj

Asst. Professor

Department of forestry, wildlife

and Environmental Science (GGV)

CONTENTS

➢ CHAPTER -1 {INTRODUCTION}

➢ {Inauguration}

- Definition
- Bamboo Art
- Importance of Bamboo art
- Objective of the Bamboo art
- Processing of Bamboo art
- Tools use in Bamboo art
- Bamboo craft made by the students

{WOOD BASED NOVEL PRODUCTS}

- Wood based craft
- Wood craft species
- Wood craft tools
- Wood craft made by the students

➢ CHAPTER -2{MUSHROOM PRODUCTION }

- Mushroom
- Mushroom production and it's waste management
- Economic importance of mushroom
- Types of mushroom
- Procedure
- Pasteurization
- Inoculation
- Bagging and container preparation
- Mushroom formation and harvesting

{WASTE MANAGEMENT}

- Substrate recycling
- Anaerobic digestion
- Vermicomposting
- Ecological treatment

➢ {CONCLUSION}

TRAINING REPORT ON FIELD TRAINING

(VILLAGE SURVEY REPORT)

(A Training Report on Socio-Economics Survey)
Submitted for partial fulfillment of requirement
for the degree 'The Bachelor of science' in
forestry

SESSION 2023-24

Under the supervision of:
Dr.Atul Kumar Bhardwaj
Asst. Professor,
Department of Forestry, Wildlife
And Environmental Science

Submitted by:
Sandii Singh
Bsc.Forestry8th sem.
Roll no. 20007058
Enrollment no.:GGV/20/06562

Department of forestry, wildlife and Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur(C.G)
(A central university established under Universities Act2009,
No.25 of 2009)

Guru Ghasidas Vishwavidyalaya, Bilaspur(C.G)

(A central university established under Universities Act2009,No.25of 2009)

CERTIFICATE

*I have a great pleasure in certifying that **Ms.Sandli Singh** d/o **Mr. Vijay Narayan Singh** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023 -24 of Department of Forestry , wildlife and Environmental Sciences, GGU, Bilaspur. He has completed this forest attachment training entitled **"Training report on Field Training (Socio-Economics Survey of Village Amne)"** during this semester under my guidance.*

I wish her all the success in her academics.

Dr.Atul Kumar Bharadwaj

Asst. Professor

Department of forestry, wildlife

and Environmental Science (GGV)

CONTENT

S.NO	TITLE	PAGE NO.
1.	Introduction	1-3
2.	Methodology	4-6
3.	Village profile	7-20
4.	Growth performance of silkworm	21-25
5.	Problems	26
6.	Suggestions	27
7.	Conclusion	28
8.	References	30

TRAINING REPORT ON FIELD TRAINING

(ATTACHMENT WITH STATE FOREST DEPARTMENT)

(A Training Report on Forest Attachment)
Submitted for partial fulfillment of requirement for the degree 'The Bachelor of science' in forestry

SESSION 2023-24

Under the supervision of:
Dr.Atul Kumar Bhardwaj
Asst. Professor,
Department of Forestry, Wildlife
And Environmental Science

Submitted by:
Sandli Singh
Bsc.Forestry8th sem.
Roll no. 20007058
Enrollment no.:GGV/20/06562

Department of forestry, wildlife and Environmental Sciences

Guru Ghasidas Vishwavidyalaya, Bilaspur(C.G)

(A central university established under Universities Act2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

Guru Ghasidas Vishwavidyalaya, Bilaspur(C.G)

(A central university established under Universities Act2009,No.25of 2009)

CERTIFICATE

*I have a great pleasure in certifying that **Ms.Sandli Singh** d/o **Mr. Vijay Narayan Singh** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023 -24 of Department of Forestry , wildlife and Environmental Sciences, GGU, Bilaspur. He has completed this forest attachment training entitled **"Training report on Field Training (Forest Attachment)"** during this semester under my guidance.*

I wish her all the success in her academics.

Dr.Atul Kumar Bharadwaj

Asst. Professor

Department of forestry, wildlife

and Environmental Science (GGV)

INDEX

S.No.	Chapter	Page No.
1.	Introduction (attachment to state forest department)	2-5
2.	Forest Working Plan	6-12
3.	Wood Depot	13-20
4.	Nursery Management	21-23
5.	Biodiversity Study	24-27
6.	Sanjivani	28-29
7.	NARWA & CAMPA Project	30-34
8.	Regional Geographic Centre	35-37
9.	Human-Wildlife Conflict	38-42
10.	Sal Plantation And Defoliator Insect	43-47
11.	Ecotourism	48-51
12.	Conclusion	52

A REPORT ON
FOREST INSTITUTE & INDUSTRIAL TRANING BIASPUR, CHATTISHGARH

(INDUSTRIAL SURVEY REPORT)

Submitted for Partial Fulfillment of Requirement for the degree the Bachelor of Science
In
Forestry

2021-2024

Under the Supervision of:
Dr. Chandresh Kumar Singh
(Assistant Professor)
Department of Forestry,
Wildlife and Environmental Sciences
GGV, Bilaspur.

Submitted By:
Shivam Singh

B.Sc. Forestry 8th Sem.
Roll No. 20007060
Enroll. No. GGV/20/06

DEPARTMENT OF FORESTRY WILDLIFE AND ENVIRO. SCIENCE
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR
(C.G.)

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

डॉ. चंद्रेश कुमार सिंह

Dr. Chandresh Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
(Accredited 'A++' Grade (2023) by ICFRE, Dehradun, GOI)
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh-495009
(Accredited A++ by NAAC)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

CERTIFICATE

I have great pleasure in certifying that **Mr. SHIVAM SINGH S/o Mr. ASHOK KUMAR BAGRI** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, GGV, Bilaspur, Chhattisgarh. He has completed the Dissertation entitled "**Training report on Forest Institute and Industrial Training**" during this semester under my supervision.
I wish him all the success in his academics.

14/5/24

Dr. Chandresh Kumar Singh
(Assistant Professor)
Department of Forestry, Wildlife & Environmental Science GGV,
Bilaspur, (C.G.)

CONTENTS

CHAPTER -1		**Bamboo**	1-10
	1.1	Importance of bamboo art	
	1.2	Objective of the bamboo art	
	1.3	Processing of bamboo art	
	1.4	Tools use in bamboo art	
	1.5	Bamboo crafts made by students	
	1.6	Wood based novel products	
	1.7	Wood based crafts	
	1.8	Wood crafts species.	
	1.9	Wood crafts	
CHAPTER - 2		**Mushroom Production**	5-23
	2.1	Introduction	
	2.2	Important of Mushroom	
	2.3	Structure of Mushroom	
	2.4	Life cycle of Mushroom	
	2.5	Types of Edible Mushroom	
	2.6	Production of Mushroom	
	2.7	Marketing of mushroom	
	2.8	Mushroom waste management	
CHAPTER - 3		**Conclusion**	24
CHAPTER - 4		**Reference**	25

A REPORT ON
FOREST ATTACHMENT SURVEY
PENDRA, CHATTISHGARH

(FOREST SURVEY REPORT)

Submitted for Partial Fulfillment of Requirement for the degree the
Bachelor of Science
In
Forestry

2021-2024

Under the Supervision of:
Dr. Chandresh Kumar Singh
(Assistant Professor)
Department of Forestry,
Wildlife and Environmental Sciences
GGV, Bilaspur.

Submitted By:
Shivam Singh

B.Sc. Forestry 8th Sem.
Roll No. 20007060
Enroll. No. GGV/20/0

DEPARTMENT OF FORESTRY WILDLIFE AND ENVIRO. SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR
(C.G.)

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

डॉ. चंद्रेश कुमार सिंह
(NAAC द्वारा मान्यता प्राप्त A++)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

Dr. Chandresh Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
(Accredited 'A++' Grade (2023) by ICFRE, Dehradun, GOI)
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh-495009
(Accredited A++ by NAAC)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

CERTIFICATE

I have great pleasure in certifying that Mr. SHIVAM SINGH S/o Mr. ASHOK KUMAR BAGRI is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, GGV, Bilaspur, Chhattisgarh. He has completed the Dissertation entitled "**Training report on Forest Attachment Survey**" during this semester under my supervision.
I wish him all the success in his academics.

14/5/24

Dr. Chandresh Kumar Singh
(Assistant Professor)
Department of Forestry, Wildlife & Environmental Science GGV,
Bilaspur, (C.G.)

CONTENT

S. NO.	CHAPTERS
1	INTRODUCTION TO FOREST
2	BILASPUR FOREST DIVISON
3	WOOD DEPOT
4	JILA UNION
5	NWFP MART & SANJEEVANI C - MART
6	HONEY PROCESSING UNIT
7	REGIONAL GEOMATIC CENTER
8	NURSERY MANAGEMENT, BHANSAJHAAL
9	WILDLIFE MANAGEMENT AND ZOO MANAGEMENT, KANAN PENDARI, SAKRI
10	CONCLUSION
11	REFERENCES

A REPORT ON
SOCIO- ECONOMIC VILLAGE SURVEY
BILASPUR, CHATTISHGARH

(VILLAGE SURVEY REPORT)

Submitted for Partial Fulfillment of Requirement for the degree the
Bachelor of Science
In
Forestry

2021-2024

Under the Supervision of:
Dr. Chandresh Kumar Singh
(Assistant Professor)
Department of Forestry,
Wildlife and Environmental Sciences
GGV, Bilaspur.

Submitted By:
Shivam Singh
B.Sc. Forestry 8th Sem.
Roll No. 20007060
Enroll. No. GGV/20/0

DEPARTMENT OF FORESTRY WILDLIFE AND ENVIRO. SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR
(C.G.)

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

डॉ. चंद्रेश कुमार सिंह
(NAAC ... A++)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

Dr. Chandresh Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
Accredited "A++" Grade (2023) by ICFRE, Dehradun, GOI)
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh-495009
(Accredited A++ by NAAC)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

CERTIFICATE

I have great pleasure in certifying that Mr. **SHIVAM SINGH S/o Mr. ASHOK KUMAR BAGRI** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, GGV, Bilaspur, Chhattisgarh. He has completed the Dissertation entitled "**Training report on Socio- Economic Village Survey**" during this semester under my supervision.
I wish him all the success in his academics.

14/5/24

Dr. Chandresh Kumar Singh
(Assistant Professor)
Department of Forestry, Wildlife & Environmental Science GGV, Bilaspur, (C.G.)

CONTENTS

S. NO.	TOPICS	PAGE NO.
1.	Introduction	1-6
2.	Village profile	7-12
3.	Demographic profile of Baima village	13-23
4.	Awareness program	24-26
5.	Problems	27
6.	Suggestions	28
7.	Conclusion	29
8.	Reference	30



A REPORT ON

SOCIO-ECONOMIC SURVEY OF GOKULPUR VILLAGE,BILASPUR CHHATTISGARH

(A Village Attachment Report)

Submitted for Partial Fulfillment of Requirement for the degree the Bachelor of Science

In

Forestry

Under the Supervision of:
Dr. Chandresh Kumar Singh
Assistant Professor,
Department of Forestry,
Wildlife and Environmental Sciences
GGV, Bilaspur.

Submitted By
Snehil Bhardwaj
B.Sc. Forestry 8th Semester
Roll No. 20007061
Enrolment No. GGV/20/06566

Session – 2023-24

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No. 25 of 2009)

डॉ. चंद्रेश कुमार सिंह
सहायक आचार्य
वानिकी, वन्यजीव एवं पर्यावरण विज्ञान विभाग
(NAAC द्वारा मान्यता प्राप्त 'A++' ग्रेड (2023))
गुरु घासीदास विश्वविद्यालय, बिलासपुर, छत्तीसगढ़-495009
(NAAC द्वारा मान्यता प्राप्त A++)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

Dr. Chandresh Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
(Accredited 'A++' Grade (2023) by ICFRE, Dehradun, GOI)
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh-495009
(Accredited A++ by NAAC)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

CERTIFICATE

I have great pleasure in certifying that **Mr. SNEHIL BHARDWAJ S/o Mr. ISHWAR SINGH BHARDWAJ** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh. He has completed the **SOCIO-ECONOMIC SURVEY OF GOKULPUR VILLAGE, BILASPUR CHHATTISGARH (A Village Attachment Report)** during this semester under my supervision.

I wish him all the success in his academics.

14/05/24

(Dr. Chandresh Kumar Singh)
Assistant Professor

CONTENT

S.NO.	Title	Page No.
CHAPTER 1	INTRODUCTION	6-12
CHAPTER 2	VILLAGE PROFILE	13-16
CHAPTER 3	DEMOGRAPHIC PROFILE OF GOKULPUR	22-28
CHAPTER 4	FOREST AND BIODIVERSITY OF VILLAGE	29-30
CHAPTER 5	AWARENESS PROGRAMME AND PLANTATION IN VILLAGE	31-33
CHAPTER 6	PROBLEMS	34
CHAPTER 7	SUGESSTIONS	35
CHAPTER 8	CONCLUSION	36
CHAPTER 9	REFERENCE	37

A REPORT ON

FOREST OPERATION WORK EXPERIENCE

(A Forest Attachment Report)

Submitted for Partial Fulfilment of Requirement for the degree

the Bachelor of Science

In

Forestry

Session : 2023-24

Under the Supervision of:
Dr. Chandresh Kumar Singh
Assistant Professor,
Department Of Forestry,Wildlife
And Environmental Science,
GGV,Bilaspur.

Submitted By:
Snehil Bhardwaj
Bsc.Forestry 8th Semester
Roll No. 20007061
Enrolment No.GGV/20/06586

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

डॉ. चंद्रेश कुमार सिंह

+91- 8871022267
dr.chandreshkumarsingh@gmail.com

Dr. Chandresh Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
(Accredited 'A++' Grade (2023) by ICFRE, Dehradun, GOI)
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh-495009
(Accredited A++ by NAAC)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

CERTIFICATE

I have great pleasure in certifying that **Mr. SNEHIL BHARDWAJ** S/o **Mr. ISHWAR SINGH BHARDWAJ** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh. He has completed the **Forest Operation Work Experience (A Forest Attachment Report)** during this semester under my supervision.

I wish him all the success in his academics.

14/05/2024

(Dr. Chandresh Kumar Singh)
Assistant Professor

CONTENT

S.NO.	TOPIC	PAGE NO.
1.	CHAPTER 1: INTRODUCTION	7 - 11
2.	CHAPTER 2 : BILASPUR FOREST DIVISION	12 - 21
3.	CHAPTER 3 : WOOD DEPOT	22 - 34
4.	CHAPTER 4 : JILA UNION ,BILASPUR	35 - 43
5.	CHAPTER 5 : NWFP MART AND SANJEEVANI,C- MART	44- 48
6.	CHAPTER 6 : HONEY PROCESSING CENTRE	49 - 54
7.	CHAPTER 7 : REGIONAL GEOMETIC CENTRE	55- 64
8.	CHAPTER 8 : NURSERY MANAEMENT, BHANSAJHAL	65 - 68
9.	CHAPTER 9 : ZOO MANAGEMENT, KANAN PENDARI	69- 75

A REPORT ON

FOREST INSTITUTE AND INSTITUTIONAL TRAINING

Submitted for Partial Fulfilment of Requirement for the degree the Bachelor of Science In Forestry

Under the Supervision of:
Dr. Chandresh Kumar Singh
Assistant Professor,
Department Of Forestry, Wildlife
And Environmental Sciences,
GGV, Bilaspur.

Submitted By:
Snehil Bhardwaj
Bsc. Forestry 8th Semester
Roll No. 20007061
Enrolment No.GGV/20/06566

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर - 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur - 495009 (C.G.)

डॉ. चंद्रेश कुमार सिंह

Dr. Chandresh Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
(Accredited 'A++' Grade (2023) by ICFRE, Dehradun, GOI)
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh-495009
(Accredited A++ by NAAC)
+91- 8871022367
dr.chandreshkumarsingh9@gmail.com

CERTIFICATE

I have great pleasure in certifying that **Mr. SNEHIL BHARDWAJ S/o Mr. ISHWAR SINGH BHARDWAJ** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh. He has completed the **Forest Institute And Institutional Training** during this semester under my supervision.

I wish him all the success in his academics.

14/05/24

(Dr. Chandresh Kumar Singh)
Assistant Professor

CONTENT

S.NO.	TOPIC	PAGE NO.
1.	CHAPTER 1: INTRODUCTION	6 - 8
2.	CHAPTER 2 : BAMBOO ART AND WOOD BASED NOVEL PRODUCTS	9 - 19
3.	CHAPTER 3: TRAINING OF MUSHROOM PRODUCTION AND ITS WASTE MANAGEMENT	20 - 53
4.	CHAPTER 4: CONCLUSION	54.
5.	CHAPTER 5: REFERENCE	55.

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHAWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH
(A CENTRAL UNIVERSITY)

A REPORT ON

"SOCIO ECONOMIC SURVEY – REPORT OF A VILLAGE"

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENT OF THE BACHELOR DEGREE OF SCIENCE IN FOESTRY

ACADEMIC SESSION : 2024-25

SAURABH KUMAR
B.SC FORESTRY VIII[TH] SEMESTER
ROLL. NO. : 20007059
ENROLLMENT NO. : GGV/20/06563

13-05-24
DR. ATUL KUMAR BHARDWAJ
ASSISTANT PROFESSOR
(SUPERVISOR)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

This is to certify that **Mr. Saurabh kumar S/o Mr. Radheshyam**

bearing Enrollment No.-GGV/20/06563 of Department of Forestry, Wildlife and Environmental Sciences has completed this training entitled " **Training report on Forest institute and institutional training** " under my guidance .

I wish him all the success in her academics.

13-05-24

Dr. Atul Kumar Bhardwaj
Assistant Professor
Department of Forestry,
GGV, Bilaspur.

CONTENTS

CHAPTER-1		**Introduction**	**1-3**
	1.1	Socio-Economic Survey	
	1.2	Definition	
	1.3	Importance of socio-economic survey	
	1.4	Socio-Economic assessment	
	1.5	Aim of the survey	
	1.6	Objective of the survey	
CHAPTER-2		**Methodology**	**4-7**
		Methodology adopted for survey	
	2.1	Selection of the area	
	2.2	Developing baseline conditions	
	2.3	Designing a questionnaire form	
	2.4	Data collection from Primary source	
	2.5	Data collection from Secondary Source	
	2.6	Data entry and verification	
	2.7	Data analysis and representation	
CHAPTER-3		**Village Profile**	**8-19**
	3.1	General profile of the village	
	3.2	Map of village	
	3.3	Village infrastructure	
CHAPTER-4		**Demographic Profile**	**20-30**
	4.1	Demographic and resource data of Village	
	1.	Population status	
	2.	Social anatomy	
	3.	Poverty status	
	4.	Housing pattern	
	5.	Educational status	
	6.	Literacy rate	
	7.	Occupation and employment	
	8.	Source of water	
	9.	Cooking status	
	10.	Livestock	
	11.	Technology	
	12.	Land utilization pattern	
	13.	Government schemes	
CHAPTER-5		**Obervation**	**31**
CHAPTER-6		**Conclusion**	**32**
CHAPTER-7		**Suggetion**	**33**
		References	**34**

A REPORT ON

FOREST INSTITUTE AND INSTITUTIONAL TRAINING

Submitted for Partial Fulfilment of Requirement for the degree the

Bachelor of Science In Forestry

(SESSION: 2024-25)

UNDER THE SUPERVISION OF:

DR. ATUL KUMAR BHARDWAJ

Assistant Professor

Department of Forestry, Wildlife & Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

SAURABH KUMAR

B.Sc. Forestry 8th Semester

Enroll. No. GGV/20/06563

Roll No. 20007059

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDASVISHWAVIDYALAYABILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009,No. 25 of2009)

CERTIFICATE

This is to certify that **Mr. Saurabh kumar** S/o **Mr. Radheshyam**

bearing Enrollment No.–GGV/20/06563 of Department of Forestry, Wildlife and Environmental Sciences has completed this training entitled " **Training report on Forest institute and institutional training** " under my guidance .

I wish him all the success in her academics.

Dr. Atul Kumar Bhardwaj
Assistant Professor
Department of Forestry,
GGV, Bilaspur.

CONTENT

CHAPTER-1		INTRODUCTION	6-7
	1.1	Forest institute	
	1.2	Institutional training	
CHAPTER -2		BAMBOO AND WOODEN ART	8-12
	1.1	Bamboo art	
	1.2	Bamboo	
	1.3	Objective of the bamboo art	
	1.4	Tools use in bamboo art	
	1.5	Bamboo crafts made by students	
	1.6	Wood art	
	1.7	Wood based novel products	
	1.8	Wood crafts species	
	1.9	Wood crafts	
CHAPTER-3		Mushroom Production	13-21
	2.1	Introduction	
	2.2	Benefit of mushroom	
	2.3	Structure of Mushroom	
	2.4	Life cycle of Mushroom	
	2.5	Types of Edible Mushroom	
	2.6	Production of Mushroom(3 type of mushroom)	
	2.7	procedure	
	2.8	veremicompost	
CHAPTER-10		Conclusion	22
CHHAPTER-11		Reference	23

A TRAINING REPORT ON

FOREST ATTACHMENT IN RAJNANDGAON FOREST DEVISION

(FOREST OPERATIONS WORK EXPERIENCE)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF
THE BACHELOR OF SCIENCE IN FORESTRY

(SESSION: 2024-25)

13-05-24

UNDER THE SUPERVISION OF:

DR. ATUL KUMAR BHARDDWAJ

Assistant Professor

Department of Forestry, Wildlife & Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

SAURABH KUMAR

B.Sc. Forestry 8th Semester

Enroll. No. GGV/20/06563

Roll No. 20007059

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

This is to certify that the Forest operations work experience report entitled: **"FOREST ATTACHMENT IN RAJNANDGAON FOREST DEVISION "** submitted for the partial fulfillment of Degree of Bachelor of Science in Forestry to Department of Forestry. Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has been carried out by **MR. SAURABH KUMAR of B.Sc. Forestry 8th Semester, and Enrollment No. (GGV/20/06563)** under my supervision.

I wish her all the success in her future academic endeavors.

13-05-24

Dr. ATUL KUMAR BHARDWAJ
Assistant Professor
Department of Forestry, Wildlife
& Environmental Science
GGV, Bilaspur (C. G.)

CONTENTS

CHAPTER -1		**Forest in Chhattisgarh**	**8-10**
	1.1	Forest in Chhattisgarh	
	1.2	Forest cover in c.g	
	1.3	Chhattisgarh forest department	
	1.4	Forest head	
CHAPTER - 2		**Mangata wildlife park**	**11-14**
	2.1	Basic detaul	
	2.2	introduction	
	2.3	Biodivercity in mangata	
	2.4	Chiuldren parks	
	2.6	Tent houses & resorts	
CHAPTER - 3		**Biodiversity in mangata**	**15-16**
	3.1	Introduction	
	3.2	Fllora founa	
	3.3	Tree species	
	3.4	Anumals	
CHAPTER – 4		**Line trsansect suirvey**	**17-18**
	4.1	Line transect survey	
	4.2	Equipment	
	4.3	Line transact	
	4.4	Habitat assesment	
	4.5	Sign survey	
	4.6	Pugmark identificxation	
CHAPTER - 5		**Forestt management in mangata**	**19-21**
	5.1	Objective	
	5.2	Jungle safari	
	5.3	Children garden	
	5.4	Ammount reimbursed	
	5.5	Manav divas	
	5.6	Herbal products	
	5.7	Other info.	
CHAPTER - 6		Working plan	22-25
	6.1	**Scop of working pan**	
	6.2	**Procedure**	
	6.3	**Tendu leaves collection**	
	6.4	**Working circle**	

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASHIDAS VISHWAVIDYALAYA, KONI ,BILASPUR, CHHATTISGARH

(A CENTRAL UNIVERSITY)

A

REPORT ON

FOREST INSTITUTE & INDUSTRIAL TRAINING,BILASPUR (C.G)

(FOREST INSTITUTE & INDUSTRIAL VISIT)

SUBMMITED FOR PARTIAL FILLFILLMENT OF REQUIREMENT OF THE BACHLOR OF SCIENCE IN FORESTRY

SESSION : 2023 - 2024

UNDER THE SUPERVISION OF :

Dr. Chandresh Kumar Singh

Assistant professor
Department of Forestry, Wildlife
& environmental sciences
GGV, Bilaspur, (C.G.)

SUBMITTED BY :

Suryakant Sahu

B.sc Forestry 8th semester
Enroll. No. GGV/20/06567
ROLL NO. 20007062

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

डॉ. चंद्रेश कुमार सिंह
सहायक आचार्य
वानिकी, वन्यजीव एवं पर्यावरण विज्ञान विभाग
(एक्रेडिटेशन ग्रेड 'A++' (2023) आईसीएफआरई, देहरादून, भारत सरकार द्वारा प्रदान किया गया)
गुरु घासीदास विश्वविद्यालय, बिलासपुर, छत्तीसगढ़-495009
(NAAC द्वारा प्रदान किया गया A++)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

Dr. Chandresh Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
(Accredited 'A++' Grade (2023) by ICFRE, Dehradun, GOI)
Guru Ghasidas Vishwavidyalaya, Bilaspur-Chhattisgarh-495009
(Accredited A++ by NAAC)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

CERTIFICATE

I have great pleasure in certifying that **MR .SURYAKANT SAHU S/o Mr . LAXMIKANT SAHU** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh. He has completed the **Forest Operation Work Experience (A Forest Attachment Report)** during this semester under my supervision.

I wish him all the success in his academics.

14/5/24

(Dr. Chandresh Kumar Singh)
Assistant Professor

INDEX

CHAPTER NO.		CHAPTER NAME	PAGE NO
CHAPTER - 1		BAMBOO ART AND WOOD BASED NOVEL PRODUCTS	1-6
	1.1	Introduction	
	•	Definition of bamboo	
	•	Bamboo art	
	•	Definition of wood	
	•	Wood based novel products	
	1.2	Inauguration	
	1.3	Workshop schedule from day 1 to day 4	
	•	Wooden and bamboo products made by students	
CHAPTER-2		TRAINING ON MUSHROOM PRODUCTION AND ITS WASTE MANAGEMENT	7-29
	2.1	Inauguration	
	2.2	Introduction	
	•	Mushroom	
	•	Mushroom product ion and its waste management	
	•	Economic importance of mushroom	
	2.3	Types of mushroom	
	2.4	Material required for cultivation	
	2.5	Material deployment	
	2.6	Preparation of growing medium for oyster mushroom, milky mushroom & paddy mushroom	
	2.7	Sterlization process	
	2.8	Seeding	
	2.9	Inoculation process	
	2.10	Chamber	
	2.11	Cultivation of mushroom	
	2.12	Marketing of mushroom	
	2.13	vermicompost	
	2.14	End of training session	
		conclusion	30
		References	31

FOREST ATTACHMENT REPORT

Submitted for partial fulfilment for requirement of the

Bachelor of Science

In

FORESTRY

SESSION:-2023-24

Under the Supervision of

Dr. Chandresh Kumar Singh
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidylaya
Bilaspur(C.G.)

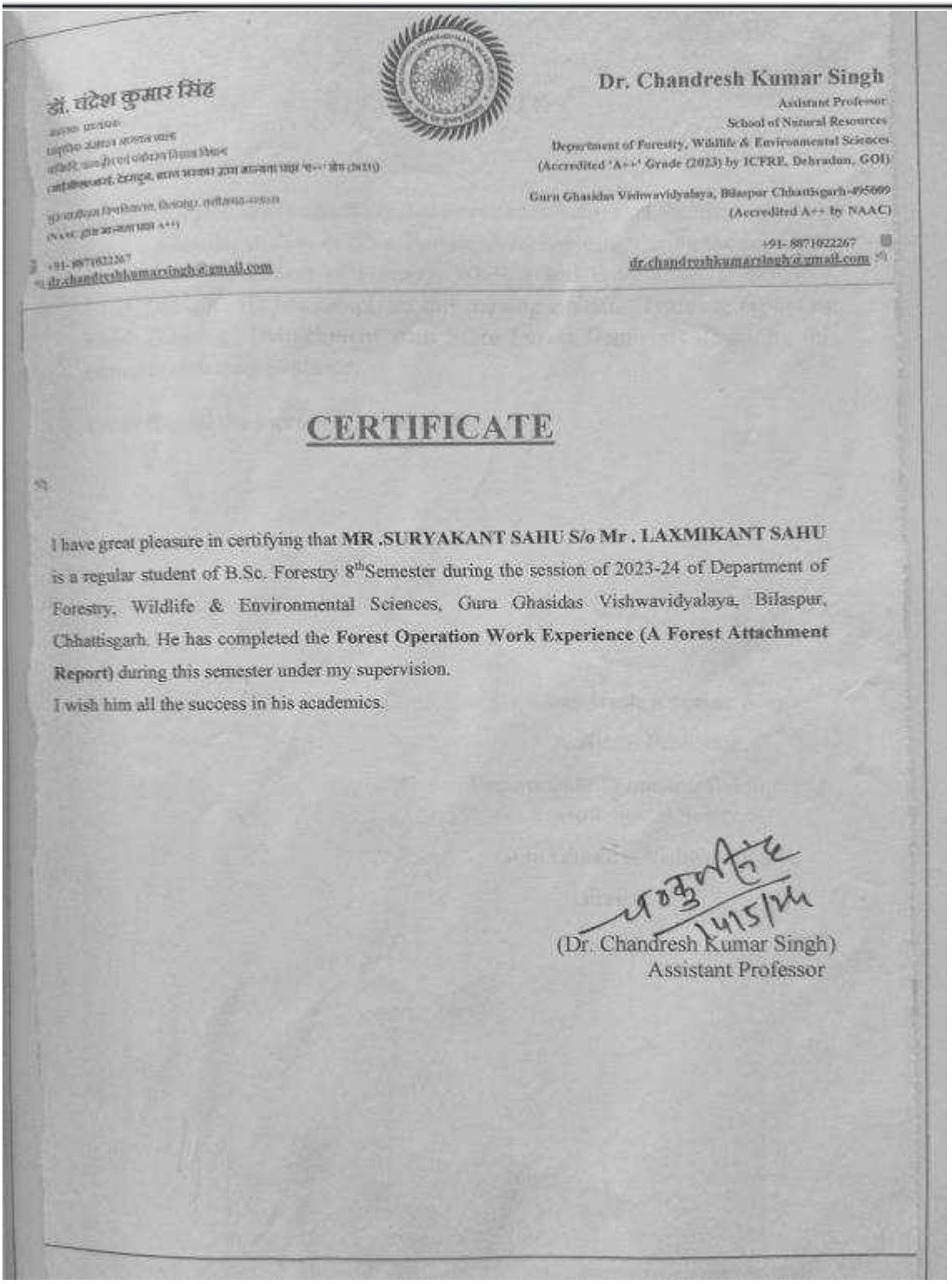
Submitted By

Suryakant Sahu
B.Sc. Forestry 8th Semester
Roll No. 20007062
Enroll No. GGV/20/06567

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)



डॉ. चंद्रेश कुमार सिंह
सहायक प्राध्यापक
वानिकी, वन्यजीव एवं पर्यावरण विज्ञान विभाग
प्राकृतिक संसाधन संकाय
गुरु घासीदास विश्वविद्यालय, बिलासपुर, छत्तीसगढ़-495009
(NAAC द्वारा मान्यताप्राप्त A++)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

Dr. Chandresh Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
(Accredited 'A++' Grade (2023) by ICFRE, Dehradun, GOI)
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh-495009
(Accredited A++ by NAAC)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

CERTIFICATE

I have great pleasure in certifying that **MR .SURYAKANT SAHU S/o Mr . LAXMIKANT SAHU** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh. He has completed the **Forest Operation Work Experience (A Forest Attachment Report)** during this semester under my supervision.

I wish him all the success in his academics.

14/5/24

(Dr. Chandresh Kumar Singh)
Assistant Professor

CONTENTS

S.NO.	TOPICS	PAGE NO.
1	INTRODUCTION	2-5
2	VISIT TO DIFFERENT COUPES DEMARCATION SURVEY	6-8
3	WOOD DEPOT MANAGEMENT	9- 16
4	PLANTATION AND NURSERY MANAGEMENT	17-22
5	WATERSHED MANAGEMENT AND SOIL MOISTURE CONSERVATION	23-27
6	NON-TIMBER FOREST PRODUCES	28-31
7	WORKING PLAN	32-35
8	JOINT FOREST MANAGEMENT (JFM)	36-38
9	WILDLIFE MANAGEMENT	39-45
10	ECO-TOURISM	46-48
11	GEOMATICS	49-55
12	BAMBOO FOREST	56-59
13	CONCLUSION	60
14	REFRENCE	61

SOCIO-ECONOMIC REPORT OF BAIMA VILLAGE BILASPUR, CHHATTISGARH

Submitted for partial fulfilment for requirement of the

Bachelor of Science

In

FORESTRY

SESSION:-2023-24

Under the Supervision of

Dr. Chandresh Kumar Singh
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidylaya
Bilaspur(C.G.)

Submitted By

Suryakant Sahu
B.Sc. Forestry 8th Semester
Roll No. 20007062
Enroll No. GGV/20/06567

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCE
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

डॉ. चंद्रेश कुमार सिंह

Dr. Chandresh Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
(Accredited 'A++' Grade (2023) by ICFRE, Dehradun, GOI)
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh-495009
(Accredited A++ by NAAC)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

CERTIFICATE

I have great pleasure in certifying that **MR .SURYAKANT SAHU S/o Mr . LAXMIKANT SAHU** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh. He has completed the **SOCIO-ECONOMIC SURVEY OF DAUKAPA VILLAGE, BILASPUR CHHATTISGARH (A Village Attachment Report)** during this semester under my supervision.

I wish him all the success in his academics.

14/5/24

(Dr. Chandresh Kumar Singh)
Assistant Professor

CONTENTS

S. NO.	TOPICS	PAGE NO.
1.	Introduction	1-6
2.	Village profile	7-12
3.	Demographic profile of Baima village	13-23
4.	Awareness program	24-26
5.	Problems	27
6.	Suggestions	28
7.	Conclusion	29
8.	Reference	30

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A

REPORT ON

ATTACHMENT WITH CHHATTISGARH STATE FOREST DEPARTMENT, BILASPUR FOREST DEPARTMENT

(A Forest Attachment Report)

Submitted for Partial Fulfilment of Requirement for the degree the Bachelor of Science In Forestry

Session – 2023 - 24

Under the Supervision of

DR. CHANDRESH KUMAR SINGH
Assistant Professor,
Department of Forestry,
Wildlife and environmental sciences
GGV, Bilaspur

Submitted By:

TEJASHVI VERMA
BSc. Forestry VIII[TH] SEM
ROLL NO. - 20007063
Enrollment no. – GGV/20/06568

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
A Central University Establishment Under Central University Act 2009, No. 25 of 2009)
DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENT SCIENCE

डॉ. चंद्रेश कुमार सिंह
सहायक प्राध्यापक
स्कूल ऑफ नेचुरल रिसोर्सेज
वानिकी, वन्यजीव एवं पर्यावरण विज्ञान विभाग
(एकेडमिक ग्रेड, देहरादून, भारत सरकार द्वारा मान्यता प्राप्त 'ए++' ग्रेड (2023))
गुरु घासीदास विश्वविद्यालय, बिलासपुर, छत्तीसगढ़-495009
(NAAC द्वारा मान्यता प्राप्त A++)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

Dr. Chandresh Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
(Accredited 'A++' Grade (2023) by ICFRE, Dehradun, GOI)
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh-495009
(Accredited A++ by NAAC)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

CERTIFICATE

I have great pleasure in certifying that Mr. TEJASHVI VERMA S/o Mr. TARACHAND VERMA is a regular student of B.Sc. Forestry 8thSemester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, GGV, Bilaspur, Chhattisgarh. He has completed the Dissertation entitled **"TRAINING REPORT ON FIELD TRAINING (ATTACHMENT WITH STATE FOREST DEPARTMENT)"** during this semester under my supervision.

I wish him all the success in his academics.

(Dr. Chandresh Kumar Singh)
Assistant Professor
&Supervisor

CONTENT

S. NO.	CHAPTERS
1	INTRODUCTION TO FOREST
2	BILASPUR FOREST DIVISON
3	WOOD DEPOT
4	JILA UNION
5	NWFP MART & SANJEEVANI C - MART
6	HONEY PROCESSING UNIT
7	REGIONAL GEOMATIC CENTER
8	NURSERY MANAGEMENT, BHANSAJHAAL
9	WILDLIFE MANAGEMENT AND ZOO MANAGEMENT, KANAN PENDARI, SAKRI
10	CONCLUSION
11	REFERENCES

A TRAINING REPORT ON

FOREST INSTITUTE AND INDUSTRIAL TRAINING

BILASPUR, (C.G)

(INDUSTRIAL TRAINING)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORETRY

Session : 2023 - 2024

UNDER THE SUPERVISION OF:

Dr. Chandresh Kumar Singh

Assistant Professor

Department of Forestry, Wildlife & Environmental Science

GGV, Bilaspur, (C.G.)

SUBMITTED BY:

Tejashvi Verma

B.Sc. Forestry 8th Semester

Enroll. No.GGV/20/06568

Roll No. 20007063

डॉ. चंद्रेश कुमार सिंह
सहायक प्राध्यापक
वानिकी, पर्यावरण एवं पर्यावरण विज्ञान विभाग
गुरु घासीदास विश्वविद्यालय, बिलासपुर, छत्तीसगढ़-495009
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

Dr. Chandresh Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
(Accredited 'A++' Grade (2023) by ICFRE, Dehradun, GOI)
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh-495009
(Accredited A++ by NAAC)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

CERTIFICATE

I have great pleasure in certifying that Mr. TEJASHVI VERMA S/o Mr. TARACHAND VERMA is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, GGV, Bilaspur, Chhattisgarh. He has completed the Dissertation entitled **"FOREST INSTITUTE & INDUSTRIAL REPORT"** during this semester under my supervision.

I wish him all the success in his academics.

14/5/24

(Dr. Chandresh Kumar Singh)
Assistant Professor
&Supervisor

CONTENTS

CHAPTER -1		**Bamboo**	**1-10**
	1.1	Importance of bamboo art	
	1.2	Objective of the bamboo art	
	1.3	Processing of bamboo art	
	1.4	Tools use in bamboo art	
	1.5	Bamboo crafts made by students	
	1.6	Wood based novel products	
	1.7	Wood based crafts	
	1.8	Wood crafts species,	
	1.9	Wood crafts	
CHAPTER - 2		**Mushroom Production**	**5-23**
	2.1	Introduction	
	2.2	Important of Mushroom	
	2.3	Structure of Mushroom	
	2.4	Life cycle of Mushroom	
	2.5	Types of Edible Mushroom	
	2.6	Production of Mushroom	
	2.7	Marketing of mushroom	
	2.8	Mushroom waste management	
CHAPTER - 3		**Conclusion**	**24**
CHAPTER - 4		**Reference**	**25**

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A

REPORT ON

SOCIO-ECONOMIC SURVEY, BILASPUR, CHHATTISGARH

(A Village Attachment Report)

Submitted for Partial Fulfillment of Requirment for the degree the Bachelorof Science In Forestry

SESSION – 2023-24

Under the Supervision of:

DR. CHANDRESH KUMAR SINGH

Assistant Professor, Department of Forestry,

Wildlife and Environmental Sciences

GGV, Bilaspur

Submitted By:

TEJASHVI VERMA

B.Sc. Forestry VIII[th] Semester

Roll No.- 20007063

Enrollment No. - GGV/20/06568

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

डॉ. चंद्रेश कुमार सिंह
सहायक प्राध्यापक
वानिकी, वन्यजीव एवं पर्यावरण विज्ञान विभाग
गुरु घासीदास विश्वविद्यालय, बिलासपुर, छत्तीसगढ़–495009
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

Dr. Chandresh Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
(Accredited 'A++' Grade (2023) by ICFRE, Dehradun, GOI)
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh-495009
(Accredited A++ by NAAC)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

CERTIFICATE

I have great pleasure in certifying that Mr. TEJASHVI VERMA S/o Mr. TARACHAND VERMA is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, GGV, Bilaspur, Chhattisgarh. He has completed the Dissertation entitled **"SOCIO-ECONOMIC SURVEY OF VILLAGE"** during this semester under my supervision.

I wish him all the success in his academics.

14/5/24

(Dr. Chandresh Kumar Singh)
Assistant Professor
&Supervisor

CONTENTS

S.NO.	Title	Page No.
CHAPTER 1	INTRODUCTION	1
CHAPTER 2	VILLAGE PROFILE	10
CHAPTER 3	DEMOGRAPHIC PROFILEOF VILLAGE	24
CHAPTER 4	PROBLEMS ANDAPPROACH	33
CHAPTER 5	SUGGESTIONS	37
CHAPTER 6	BIODIVERTY OF THEVILLAGE	38
CHAPTER 7	ACTIVITIES UNDERTAKEN	40
CHAPTER 8	CONCLUSION	45
CHAPTER 9	REFERENCE	46

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

A REPORT ON

FOREST INSTITUTE & INDUSTRIAL VISIT ,BILASPUR, CHHATTISGARH

Submitted for Partial Fulfillment of Requirement for the degree the Bachelor of Science In Forestry

SESSION – 2023-24

Under the Supervision of:

Dr .CHANDRESH KUMAR SINGH

Assistant Professor,

Department of Forestry,
Wildlife and Environmental

Submitted By:

TULSI PATEL

B.Sc. Forestry

VIIITH Semester
Roll No.- 20007065
Enroll no-GGV/20/06570

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

डॉ. चंद्रेश कुमार सिंह

Dr. Chandresh Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
(Accredited 'A++' Grade (2023) by ICFRE, Dehradun, GOI)
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh-495009
(Accredited A++ by NAAC)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

CERTIFICATE

I have great pleasure in certifying that **Ms. TULSI PATEL D/o Mr. UMA SHANKAR PATEL** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh. She has completed the **Forest Institute and Institutional Training** during this semester under my supervision.

I wish her all the success in hers academics.

14/5/24

(Dr. Chandresh Kumar Singh)
Assistant Professor

CONTENTS

CHAPTER -1		**INTRODUCTION**	**1**
CHAPTER-2		**MUSHROOM**	**2-13**
	1.1	Introduction	
	1.2	Important of Mushroom	
	1.3	Structure of Mushroom	
	1.4	Life cycle of Mushroom	
	1.5	Types of Edible Mushroom	
	1.6	Production of Mushroom	
	1.7	Marketing of mushroom	
	1.8	Mushroom waste management	
CHAPTER - 2		**BAMBOO**	**14-19**
	2.1	Importance of bamboo art	
	2.2	Objective of the bamboo art	
	2.3	Processing of bamboo art	
	2.4	Tools use in bamboo art	
	2.5	Bamboo crafts made by students	
	2.6	Wood based novel products	
	2.7	Wood based crafts	
	2.8	Wood crafts species.	
	2.9	Wood crafts	
CHAPTER - 10		**CONCLUSION**	**20**
CHAPTER - 11		**REFERENCE**	**22**

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHAWAVIDYALAYA, KONI, BILASPUR, CHHATTISGARH

(A CENTRAL UNIVERSITY)

A

Report

on

"SOCIO ECONOMIC SURVEY – REPORT OF A VILLAGE"

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENT OF THE BACHELOR DEGREE OF SCIENCE IN FOESTRY

ACADEMIC SESSION : 2023-24

TUISI PATEL

B.SC FORESTRY VIII[TH] SEMESTER

ROLL. NO. : 20007065

ENROLLMENT NO. : GGV/20/06570

DR. CHANDRESH SINGH

ASSISTANT PROFESSOR

(SUPERVISOR)

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर - 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur - 495009 (C.G.)

डॉ. चंद्रेश कुमार सिंह
सहायक प्राध्यापक
वन्यजीव, वानिकी एवं पर्यावरण विज्ञान विभाग
गुरु घासीदास विश्वविद्यालय, बिलासपुर, छत्तीसगढ़-495009
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

Dr. Chandresh Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
(Accredited 'A++' Grade (2023) by IC FRE, Dehradun, GOI)
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh-495009
(Accredited A++ by NAAC)
+91- 8871022267
dr.chandreshkumarsingh@gmail.com

CERTIFICATE

I have great pleasure in certifying that **Ms. TULSI PATEL D/o Mr. UMA SHANKAR PATEL** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh. She has completed the **SOCIO-ECONOMIC SURVEY OF NAGOI VILLAGE, BILASPUR CHHATTISGARH (A Village Attachment Report)** during this semester under my supervision.

I wish her all the success in hers academics.

14/5/24

(Dr. Chandresh Kumar Singh)
Assistant Professor

CONTENTS

- **CHAPTER – 1 (INTRODUCTION)** 7- **9**
  1. Socio-Economic Survey
  2. Definition
  3. Importance of Socio-Economic survey
  4. Socio-Economic assessment
  5. Aim of the survey
  6. Objectives of survey
- **CHAPTER – 2 (METHODOLOGY)** **9-11**
  1. Methodology adopted for survey.
  2. Selection of the area
  3. Developing baseline conditions
  4. Designing a Questionnaire form
  5. Data collection from primary source
  6. Data collection from Secondary source
  7. Data entry and verification
  8. Data analysis & representation
- **CHAPTER -3 (VILLAGE PROFILE)** **12-28**
  1. General profile of the village
  2. Map of village
  3. Village infrastructure
- **CHAPTER – 4 (DEMOGRAFIC PROFILE)** 29 -**32**
  1. Demographic and resource data of village
  2. Population Status
  3. Social Anatomy
  4. poverty status
  5. Housing pattern
  6. Level of Education
  7. Literacy Rate
  8. Occupation and employment
  9. Status of Water Source
  10. Cooking status
  11. Livestock
  12. Technology
  13. Land utilization pattern.

14. Government schemes
- CHAPTER – 5(OBSERVATION) 25
- CHAPTER – 6(SUGGESTIONS) 26
- CHAPTER – 7(CONCLUSION) 27
- CHAPTER – 8(REFERNCES)

No.	Title	Page
1.	Snapshot of questionnaire form	5
2.	Data collection from household and Sachiv of Nagoi	5
3.	Map of Nagoi village (Google Maps Satellite Version)	8
4.	Machines used for the preparation of dona patal (paper)	9
5.	Pucca house	10
6.	Kutcha house	10
7.	Govt. middle school Nagoi	11
8.	Higher secondary school Baima-Nagoi	11
9.	Anganwadi Nagoi	12
10.	Temple Near Nagoi Village	12
11.	Gram panchayat office Nagoi	13
12.	Primary health centre Nagoi	13
13.	Water source	14
14.	Small shops of Nagoi Village	14
15.	Marriage Hall Near Nagoi	15
16.	Entry gate and Road of Nagoi village	15
17.	Agriculture machinery	16
18.	Agriculture Status	16
19.	Livestock	17
20.	Machines used in garment. factory and in fly ash bricks preparation	17
21	products made in dome and bricks factory Nagoi	18
22	Pic in dome and brick factory Nagoi and Ganiyari	19
23	Animal Husbandary Nagoi	19

FOREST ATTACHMENT REPORT

Submitted for partial fulfillment of requirement of the Bachelor of Science In Forestry

(Session2023-24)

UndertheSupervisionof:

Dr. Chandresh Kumar Sing
Assisment. Professor,

Department of Forestry,
Wildlife & Environmental Sciences
GGV,Bilaspur (C.G.)

SubmittedBy:

Tulsi Patel
B.Sc. Forestry 8th Semester
Enroll.No. GGV/20/06570
Roll No. 20007065

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR(C.G.)
(A Centerl University Established Under Central University Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

डॉ. चंद्रेश कुमार सिंह

Dr. Chandresh Kumar Singh
Assistant Professor
School of Natural Resources
Department of Forestry, Wildlife & Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur (Chhattisgarh) 495009

+91 8871022267
dr.chandreshkumarsingh@gmail.com

CERTIFICATE

I have great pleasure in certifying that **Ms. TULSI PATEL D/o Mr. UMA SHANKAR PATEL** is a regular student of B.Sc. Forestry 8thSemester during the session of 2023-24 of Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh. She has completed the **Forest Operation Work Experience (A Forest Attachment Report)** during this semester under my supervision.

I wish her all the success in hers academics.

14/5/24

(Dr. Chandresh Kumar Singh)
Assistant Professor

CONTENT:

CHAPTER1 *8-18*

- CG Forest Department Introduction
- Forest of Chhattisgarh
- Forest Administration
- Administrative classification
- Aim of administration
- Types of forest

CHAPTER2 *19-26*

- Types of Nursery
- Advantage of Raising Seedling in a Nursery
- Site Selection for Nursery
- Nursery layout
- Preparation of Nursery beds
- Types of Nursery beds
- Preparation of media for propagation
- Study site:- Hi-techNursery
- Plant speciesin nursery
- Major activities performed in nursery

CHAPTER3 *27-31*

- Working Plan for the selection-cum-Improvement working circle Raigarh
- Bamboo Rehabilitation working circle
- Watershed project in Raigarh district
- Non-timber forest produces and managment

CHAPTER4 *32-38*

- Coupe felling area &Working Circle
- Introductions

SOCIO-ECONOMIC REPORT OF DAWANBOD

VILLAGE BHATAPARA (C.G.)

PIN- 493113

(VILLAGE ATTACHMENT REPORT)

SUBMITTED FOR THE PARTIAL FUTURE FULFILLMENT OF THE REQUIREMENT OF THE BACHELOR OF SCIENCE IN FORESTRY

(SESSION 2023-24)

UNDER SUPERVISION:

Dr.Chowlani Manpoong
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
GGV, BILASPUR (C.G.)

SUBMITTED BY:

Ms.Urvashi
B.Sc. Forestry VIII Semester
Roll No: 20007066
Enrollment No-GGV/20/06571

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)

(A Central University Established Under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that the Village Attachment Report entitled: **"SOCIO-ECONOMIC SURVEY OF VILLAGE -DAWANBOD, BHATAPARA, CHHATTISGARH"** submitted for the partial fulfillment of the Degree of **Bachelor of Science in Forestry to the Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh** has been carried out by **Ms. Urvashi of B.Sc. Forestry, VIIIth Semester, and Roll No. (20007066)** under my guidance and supervision.

I wish her all the success in his future academic endeavors.

UNDER SUPERVISION:

Dr.Chowlani Manpoong
Assistant Professor
Department of Forestry
Wildlife & Environmental Science

CONTENTS

Pages

INTRODUCTION 6

- Socio-Economic survey
- Definition
- Objective of survey
- **Socio -Economic assessment-:** 7-9
  - Methodology
  - Source of data
  - Data analysis
  - Limitation of Data collection

VILLAGE PROFILE 10-28

- General profile
- Geography and Social structure
- Weather and Seasonality
- Natural Resources
- Village Infrastructure
- Educational Infrastructure
- Infrastructure related to health
- Local economy
- Livestock
- Source of energy
- Government scheme
- Status of Women
- Problems of village
- Conclusion and Remark

A REPORT ON FIELD TRAINING (ATTACHMENT WITH STATE FOREST DEPARTMENT) BILASPUR CHHATTISGARH

(A Forest Attachment Report) Submitted for Partial Fulfilment of Requirement for the degree the Bachelor of Science In Forestry

Session – 2023-2024

Under the Supervision of:
Dr. Chowlani Manpoong
Department of Forestry, Wildlife & Environment Sciences

Submitted By:
Urvashi
B.Sc. Forestry 8th semester
Roll.no.:20007066
Enrollment no.: GGV/20/06571

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

GURU GHASIDAS VISHWAVIDYALAYABILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certifying that **Ms. Urvashi** D/o **Mr. Rajesh**, is a regular student of B.Sc. Forestry 8th semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences GGV,Bilaspur.She has completed this training entitled **"Training report on Field training (Attachment with state Forest Department)"** under my guidance.

I wish her all the success in her academics.

Dr. Chowlang Manpoong
Assistant Professor
Department of Forestry,
GGV, Bilaspur.

CONTENT

S.NO.	TOPIC	PAGE NO.
1	CHAPTER 1: INTRODUCTION	6-9
2	CHAPTER 2: PARIVESH E-GREEN PORTAL FSI REPORT. WILDLIFE TRACKING REMOT SENSIN& GIS APPLICATION	10- 11
3	CHAPTER 3: MFP, UTILIZATION HONEY PROCESSING UNIT C-MART	12-16
4	CHAPTER 4: REGIONAL GEOGRAPHICAL CENTER	17-19
5	CHAPTER 5: WOOD DEPOT	20-28
6	CHAPTER 6 NURSERY MANAGEMENT	29- 31
7	CHAPTER 7: BIODIVERSITY COSEVATION ACT	32-33
8	CHAPTER 8: WILD LIFE ZOO	34-36
9	CHAPTER 9: COCLUSION REFREN	37-38

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

TRAINING REPORT
On
INDUSTRIAL TRAINING

SESSION 2023-24

SUBMITTED FOR PARTIAL FULFILMENT FOR
THE REQUIREMENT OF BACHELOR OF
SCIENCES DEGREE IN FORESTRY

SUBMITTED TO:
Dr.Chowlani Manpoong
Assistant professor
Department of Forestry, Wildlife &
Environmental Sciences

SUBMITTED BY:
Urvashi
B.Sc. Forestry 8th Semester
Roll no: 20007066
Enrolment no- GGV/20/06571

Department of Forestry, Wildlife and Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(Acentral university established under Central Universities Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

(Acentral university established under Central Universities Act 2009, No. 25 of 2009)

CIRTIFICATE

This is to certify that ***Ms. Urvashi d/o Rajesh*** *is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGV, Bilaspur. She has completed this training entitled "* ***Training Report on Industrial Training"****. during this semester under my guidance.*

I wish her all the success in her future academic endeavours.

Dr.Chowlani Manpoong
Assistant professor
Department of Forestry
GGV ,Bilaspur

CONTENT

- INTRODUCTION
- CHAPTER- 1 BAMBOO
  - Definition
  - Bamboo Art
  - Importance of Bamboo art
  - Objective of the Bamboo art
  - Processing of Bamboo art
  - Tools use in Bamboo art
  - Bamboo craft made by the students
- WOOD BASED NOVEL PRODUCTS
  - Wood based craft
  - Wood craft species
  - Wood craft tools
  - Wood craft made by the students
- CHAPTER -3 MUSHROOM PRODUCTION
  - Mushroom
  - Mushroom production and it's waste management
  - Economic importance of mushroom
  - Types of mushroom
  - Procedure
  - Pasteurization
  - Inoculation
  - Bagging and container preparation
  - Mushroom formation and harvesting
- WASTE MANAGEMENT
  - Substrate recycling
  - Anaerobic digestion
  - Vermicomposting
  - Ecological treatment
- CONCLUSION

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

TRAINING REPORT
FOREST INSTITUTION AND
INSTITUTIONAL TRAINING

Submitted for partial fulfillment of requirement for the degree 'The Bachelor of Science' in Forestry

SESSION 2023-24

Under the supervision of:
DR.CHOWLANI MANPOONG
Assistant Professor,
Department of Forestry,
Wildlife & Environmental Sciences,
GGV,Bilaspur

Submitted by
VANSHIKA SHARMA
Bsc. Forestry 8TH Semester
Roll no. 20007067
Enrolment no.GGV/20/06572

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR, CHHATTISGARH

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment under Central University Act 2009, No 25 of 2009)

CERTIFICATE

This is to certify that Ms. Vanshika Sharma D/o Mr. Dipendra Sharma, bearing Enrollment No.-GGV/20/06572 of Department of Forestry, Wildlife & Environmental Sciences has completed this training entitled "**Training report on forest institution and institutional training, Chhattisgarh**" under my guidance.

I wish her all the success in his academics.

Dr. Chowlani Manpoong
Assistant Professor
Department of Forestry,
GGV, Bilaspur

CONTENTS

□ **CHAPTER -1 {INTRODUCTION}**

□ {Inauguration}

• Definition

• Bamboo Art

• Importance of Bamboo art

• Objective of the Bamboo art

• Processing of Bamboo art

• Tools use in Bamboo art

• Bamboo craft made by the students

{WOOD BASED NOVEL PRODUCTS}

• Wood based craft

• Wood craft species

• Wood craft tools

• Wood craft made by the students

□ **CHAPTER -2{MUSHROOM PRODUCTION }**

• Mushroom

• Mushroom production and it's waste management

• Economic importance of mushroom

• Types of mushroom

• Procedure

• Pasteurization

• Inoculation

• Bagging and container preparation

• Mushroom formation and harvesting

{WASTE MANAGEMENT}

• Substrate recycling

• Anaerobic digestion

- Vermicomposting
- Ecological treatment

{CONCLUSION}

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A REPORT ON SOCIO-ECONOMIC SURVEY OF AMNE VILLAGE, KOTA, CHHATTISGARH

(A Village Attachment Report)

Submitted for partial fulfillment of requirement for the degree 'The Bachelor of Science' In Forestry

SESSION 2023-24

Under the supervision of:

DR. CHOWLANI MANPOONG
Assistant Professor,
Department of Forestry,
Wildlife & Environmental Sciences,
GGV,Bilaspur

Submitted by:

VANSHIKA SHARMA
Bsc. Forestry 8th Semester
Roll no. 20007067
Enrolment no. GGV/20/06572

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR, CHHATTISGARH
(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment under Central University Act 2009, No 25 of 2009)

CERTIFICATE

This is to certify that Ms. Vanshika Sharma D/o Mr. Dipendra Sharma, bearing Enrollment No.- GGV/20/06572 of Department of Forestry, Wildlife & Environmental Sciences has completed this training entitled **"Training report on Socio-Economic Survey of Village Amne"** under my guidance.

I wish her all the success in his acadamics.

Dr. Chowlani Manpoong
Assistant Professor
Department of Forestry,
GGV, Bilaspur

CONTENT

S.NO	TITLE	PAGE NO.
1.	Introduction	1-3
2.	Methodology	4-6
3.	Village profile	7-20
4.	Growth performance of silkworm	21-24
5.	Problems	25
6.	Suggestions	26
7.	Conclusion	27
8.	References	28

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A REPORT ON FOREST ATTACHMENT KORBA, CHHATTISGARH

(A Village Attachment Report)

Submitted for partial fulfillment of requirement for the degree 'The Bachelor of Science' in Forestry

SESSION 2023-24

Under the supervision of:

DR. CHOWLANI MANPOONG
Assistant Professor,
Department of Forestry,
Wildlife & Environmental Sciences,
GGV,Bilaspur

Submitted by:

VANSHIKA SHARMA
Bsc. Forestry 8th Semester
Roll no. 20007067
Enrolment no.GGV/20/06572

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR, CHHATTISGARH

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment under Central University Act 2009, No 25 of 2009)

CERTIFICATE

This is to certify that Ms. Vanshika Sharma D/o Mr. Dipendra Sharma, bearing Enrollment No.-GGV/20/06572 of Department of Forestry, Wildlife & Environmental Sciences has completed this training entitled "**Training report on forest attachment in Korba, Chhattisgarh**" under my guidance.

I wish her all the success in his academics.

Dr. Chowlani Manpoong
Assistant Professor
Department of Forestry,
GGV, Bilaspur

INDEX

S.No.	Chapter	Page No.
1.	Introduction (attachment to state forest department)	1-3
2.	Forest Working Plan	4-9
3.	Wood Depot	10-15
4.	Nursery Management	16-19
5.	Biodiversity Study	20-23
6.	Sanjivani	24-25
7.	NARWA & CAMPA Project	26-29
8.	Regional Geographic Centre	30-32
9.	Human-Wildlife Conflict	33-36
10.	Sal Plantation And Defoliator Insect	37-40
11.	Ecotourism	41-42
12.	Conclusion	43

Signed by Head and Supervisor

Contents/Abstract

Cover page

Signature and Seal of the Head

Certificate

Signed by Head and Supervisor

Contents/Abstract

Cover page

Signature and Seal of the Head

Certificate

Signed by Head and Supervisor

Contents/Abstract

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

SOCIO-ECONOMIC SURVEY REPORT
ON
VILLAGE ATTACHMENT

(SESSION: 2023-2024)

SUBMITTED FOR PARTIAL FULFILLMENT FOR THE REQUIREMENT OF BACHELOR DEGREE IN FORESTRY

Submitted to
Dr.Chowlani Manpoong
(Assistant Professor)
Department of Forestry, Wildlife
And Environmental Science.

Submitted by
VINAY KINDO
B.Sc Forestry 8th Semester
Roll No: 20007068
Enrollment No: GGV/20/06573

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

Department of Forestry, Wildlife and Environmental Science
Guru Ghasidas Vishwavidyalaya (CG)
(A central university established uder Central Universities Act 2009, No. 25 of 2009)

CERTIFICATE

I have great pleasure in certifying that **Mr. Vinay Kindo s/o Mr. Alexander Kindo** is a regular student of B.S.c Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGV, Bilaspur. He has completed village attachment training entitled **"Socio-Economic Survey Report on Village Attachment "**. During this semester under my guidance.

I Wish him all the success in his academics.

Dr. Chowlani Manpoong
(Assistant Professor)
Department of Forestry,
Wildlife and Environmental Science.

INDEX

Serial	TOPIC	Page No
1	**Chapter 1: Introduction** Socio Economic Survey Definition Importance of Socio-Economic Survey Socio-Economic Assessment Aim and Objective of Survey Questionnare Data Collection and Data Entry Data Analysis Village Types of Village	7-12
2	**Chapter 2 : Village Profile** General Profile of the Village Village Infrastructure Houses Educational Facilities Health and Hygiene and Others	13-18
3	**Chapter 3 : Demographic Profile of Daukapa** Population Status Social Anatomy Sex Ratio Literacy Rate Drainage Status Status of Water Sources Sources of Energy Crop Growth in the Village	19-28
4	**Chapter 4: Awarness Program** Definition Awarness Program Awarness Program at School Images of Awarness Program	29-31
5	**Chapter 5: Problems**	32

6	**Chapter 6 : Sugesstions**	33
7	**Chapter 7: Conclusion**	34
8	**Chapter 8 : References**	35

FOREST TRAINING REPORT
(ATTACHMENT WITH FOREST DEPARTMENT)
(Session: 2023-24)

SUBMITTED FOR PARTIAL FULFILLMENT FOR THE

REQUIREMENT OF BACHELOR DEGREE IN FORESTRY

Sunmitted To

Dr. Chowlani Manpoong

(Assistant Professor)

Department Of Forestry, Wildlife

And Environmental Sciences

SubmittedBy

VINAY KINDO

Roll No: 20007068

Enrollment No: GGV/20/06573

Department of Forestry, Wildlife and Environmental Sciences,

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

(A central university established under Central Universities Act 2009, No.25 of 2009)

CERTIFICATE

I have great pleasure in certifying that **Mr. Vinay Kindo s/o Mr. Alexander Kindo** is a regular student B.Sc. Forestry 8th Semester during the session of 2023-2024 of Department of Forestry, Wildlife and Environmental Sciences, GGV, Bilaspur. He has completed this forest attachment training entitled

"Training report on Field Training (Attachment with Forest Department)" during this semester under my guidance.

I wish her all the success in his academics.

Dr. Chowlani Manpoong
(Assistant Professor)
Department of Forestry,
Wildlife and Environmental Science.

INDEX

Serial No	Topic	Page No
1	**Chapter 1: Introduction** Chhattisgarh Forest Department SWOT Analysis Attachment with Chhattisgarh Forest Department Types of Forest Objectives Forest Administration Administration Classification Aims of Forest Administration	8 - 14
2	**Chapter 2 : Selection Cum Improvement Coupe Felling** Selection Management Improvement Management Coupe Advantages of Coupe Felling Procedure of Coupe Felling	15-18
3	**Chapter 3 : Assisted Natural Regeneration** Advantage of ANR Disadvantages of ANR Procedure of ANR Cattle Proof Trench Cattle proof Wall Contour Bund	19-24
4	**Chapter 4 : Narva Vikas Yojna** Narva Vikas Yojna Advantages and Disadvantages Contour Trench Perculation Tank Earthen Dam	24-26

5	**Chapter 5 : Bamboo Setum** ↓ Bamboo Setum ↓ Important of Bamboo ↓ Propagation of Bamboo ↓ Different Life Stage of Bamboo ↓ Jashpur Division Bamboo Setum Visit	27-31
6	**Chapter 6 : Wood Depot** ↓ Wood Depot ↓ Important of Wood ↓ Reason Why Wood is Importance ↓ Function of Depot ↓ Area of Depot ↓ Prices of Wood depot ↓ Potential Customers ↓ Formula ↓ Transportation of Wood Deport	32-35
7	**Chapter 7 : Conclusion**	36
8	**Chapter 8 : Reference**	37

TRAINING REPORT ON
(INSTITUTIONAL TRAINIING)

(SESSION: 2023-2024)

SUBMITTED FOR PARTIAL FULFILLMENT FOR THE REQUIREMENT OF BACHELOR DEGREE IN FORESTRY

Submitted to
Dr. Chowlani Manpoong
(Assistant Professor)
Department of Forestry, Wildlife
And Environmental Science.

Submitted by
Vinay kindo
B.Sc Forestry 8th Semester
Roll no:20007068
Enrollment No: GGV/20/06573

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

Department of Forestry, Wildlife and Environmental Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(A central university established under Central Universities Act 2009, No. 25 of 2009)

CERTIFICATE

I have great pleasure in certifying that **Mr. Vinay Kindo** S/o **Mr. Alexander Kindo** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGV, Bilaspur. He has completed this training entitled **"Institutional Training"**. During this semester under my guidance.

I wish him all the success in his Academic

Dr.Chowlani Manpoong
Department of Forestry
Wildlife and Environmental Science

INDEX

Serial	Topic	Page No
1	Chapter 1: **Introduction** Bamboo and its Importance	6
2	Chapter 2 : **Bamboo and Wood Craft Workshop** Bamboo Workshop and Definition Importance of Bamboo Art Process of Bamboo Art and Tools Used Bamboo Craft made by Students Wood Based Novel Products Characteristics of Wood Craft Tools and Process Wood Craft made by Students	7-15
2	Chapter 3: **Mushroom Workshop** Mushroom Production Economic Importance of Mushroom Types of Mushroom (Oyster, Milky, Paddy Mushroom) Produce Pasteurization Inoculation Bagging Container Preparation	16-22
4	Chapter 4: **Waste Management** Substrate Recycling and Anaerobic Digestion Vermicomposting and Resource Recycling	23- 24
5	Chapter 5: **Conclusion**	25
6	Chapter 6: **References**	26

Signed by Head and Supervisor

Contents/Abstract

Cover page

Signature and Seal of the Head

Certificate

Signed by Head and Supervisor

Contents/Abstract

Cover page

Signature and Seal of the Head

Certificate

Signed by Head and Supervisor

Contents/Abstract

FOREST ATTACHEMENT REPORT AT RAIGARH DIVISION (C.G)

Submitted for Partial Fulfilment of Required of the Bachelor of

Science In

Forestry

Session – 2023-24

Under the Supervision of

DR. CHOWLANI MANPOONG

Assistant Professor,
Department of Forestry,
Wildlife and Environmental Sciences,
GGV, Bilaspur.

Submitted By

YAMINI CHANDRA

B.Sc. Forestry 8th Semester
Roll No. 20007069
Enrolment No. GGV/20/06574

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central university Establishment Under Central University Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that **YAMINI CHANDRA** Daughter of **Mr. TORAN SINGH CHANDRA** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed this training entitled **"FOREST ATTACHMENT REPORT AT RAIGARH DIVISION"** during this semester under my guidance.

I wish her all the success in her academics.

Dr. Chowlani Manpoong
Assistant Professor Department of
Forestry, Wildlife and Environmental
Science, GGV, Bilaspur.

CONTENT PAGE

CHAPTER 1
INTRODUCTION
- CG Forest Department Introduction
- Forest of Chhattisgarh
- Forest Administration
- Administrative classification
- Aim of administration
- Types of forest

CHAPTER 2
WOOD DEPOT
- Management of forest depot
- Forest wood depot
- Auctioning process
- Casting
- Major species found in Raigarh wood depot.

CHAPTER 3
TENDU PATTA PRUNING
- Distribution of tree
- annual production and value
- Average collection per family
- Regeneration
- Collection of leaves
- Drying & curing of leaves
- Packing & storage

CHAPTER 4
FOREST NURSERY
- Types of Nurseries
- Advantage of Raising Seedling in a Nursery
- Site Selection for Nursery
- Nursery layout
- Preparation of Nursery beds
- Types of Nursery beds
- Preparation of media for propagation
- Study site: - Bhelwatikra Area
- Plant species in nursery.
- Vermin compost
- Poly propagated tank
- Seed processing platform
- Green house

CHAPTER 5
FELLING OPERATIONS
- Coop SCI
- Area Marking
- Site Selection

- Numeration per tress
- Depth marking
- Logging
- Pilot hole
- Bunch
- Marking hammer
- Felling hammer

CHAPTER 6
WATER SHED MANAGEMENT

- Types of water shed.
- Objective of water shed.
- Factor affecting of water shed management.

CHAPTER 7
WORKING PLAN

- Configuration of the Ground
- Formation of working plan
- Working Circles
- Silviculture System
- Felling Cycle

CHAPTER 8
CONCLUSION

CHAPTER 9
REFERENCE

गुरु घासीदास विश्वविद्यालय
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur – 495009 (C.G.)

FOREST INSTITUTE AND INDUSTRIAL VISIT AT BILASPUR (C.G)

Submitted for partial fulfilment of required of the bachelor of

Science in

forestry

Session – 2023-24

Under the supervision of
DR. CHOWLANI MANPOONG

Assistant professor,
Department of forestry,
Wildlife and environmental sciences,
GGV, Bilaspur.

submitted by
YAMINI CHANDRA

B.Sc. forestry 8th semester
Roll no. 20007069
Enrollment no. GGV/20/06574

DEPARTMENT OF FORESTRY WILDLIFE AND ENVIRONMENTAL SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central university Establishment Under Central University Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that **YAMINI CHANDRA** Daughter of **Mr. TORAN SINGH CHANDRA** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed this training entitled "**FOREST ISTITUTE AND INDUSTRIAL VISIT AT BILASPUR**" during this semester under my guidance.

I wish her all the success in her academics.

DR. CHOWLANI MANPOONG
Assistant professor department of
Forestry, wildlife and environmental sciences
GGV, Bilaspur.

CONTENT

CHAPTER 1 7-18

BAMBOO ART AND WOOD BASED NOVEL PRODUCTS

- Introduction
- Wood manufacturing
- Tools and equipment
- Products
- Types of wood manufacturing
- Choosing right wood for manufacturing
- Understanding wood grading

BAMBOO

- Introduction of bamboo crafts
- Products
- Tools and raw materials
- Characteristics of bamboo
- Cutting of bamboo
- Splitting of bamboo
- Scraping of bamboos
- Transferring bamboo
- Carving out designs
- Pyrography
- Nailing bamboo
- Sanding bamboo
- Painting projects
- Polishing surfaces of bamboo
- Making process

CHAPTER 2 19-40

MUSHROOM PRODUCTION AND ITS WASTE MANAGEMENT

- Oyster mushroom
- Paddy straw mushroom
- White button mushroom
- Milky mushroom

CHAPTER 3 41-45
VERMICOMPOST
- Introduction
- Vermicompost
- Material required
- Suitable worm species
- Climate and temperature
- Feedstock
- Method of vermicomposting
- Procedure
- Nutrient profile
- Result
- Advantage
- disadvantage

CHAPTER 4 46
CONCLUSION

CHAPTER 5 47
REFERENCE

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A TRAINING REPORT ON SOCIO-ECONOMIC SURVEY OF NAGOI VILLAGE IN BILASPUR, (C.G)

Submitted for Partial Fulfillment of Required of the Bachelor of Science

In

Forestry

Session – 2023-24

Under the Supervision of:

DR. CHOWLANI MANPOONG

Assistant Professor,
Department of Forestry,
Wildlife and Environmental Sciences,
GGV, Bilaspur.

Submitted By:

YAMINI CHANDRA

B.Sc. Forestry 8th Semester
Roll No. 20007069
Enrolment No. GGV/20/06574

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central university Establishment Under Central University Act 2009, No. 25 of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

CERTIFICATE

I have great pleasure in certifying that **YAMINI CHANDRA** Daughter of **Mr. TORAN SINGH CHANDRA** is a regular student of B.Sc. Forestry 8th Semester during the session of 2023-24 of Department of Forestry, Wildlife and Environmental Sciences, GGU, Bilaspur. She has completed this training entitled **"Training report on Socio-economic Survey of NAGOI Village"** during this semester under my guidance.

I wish her all the success in her academies.

Dr. Chowlani Manpoong
Assistant Professor Department of Forestry, Wildlife and Environmental Science, GGV, Bilaspur.

CONTENTS

- **CHAPTER – 1 (INTRODUCTION)** 7-9
  1. Socio-Economic Survey
  2. Definition
  3. Importance of Socio-Economic survey
  4. Socio-Economic assessment
  5. Aim of the survey
  6. Objectives of survey
- **CHAPTER – 2 (METHODOLOGY)** 10-12
  1. Methodology adopted for survey.
  2. Selection of the area
  3. Developing baseline conditions
  4. Designing a Questionnaire form
  5. Data collection from primary source
  6. Data collection from Secondary source
  7. Data entry and verification
  8. Data analysis & representation
- **CHAPTER -3 (VILLAGE PROFILE)** 13-24
  1. General profile of the village
  2. Map of village
  3. Village infrastructure
- **CHAPTER – 4 (DEMOGRAFIC PROFILE)** 25 -28
  1. Demographic and resource data of village
  2. Population Status
  3. Social Anatomy
  4. poverty status
  5. Housing pattern
  6. Level of Education
  7. Literacy Rate
  8. Occupation and employment
  9. Status of Water Source
  10. Cooking status
  11. Livestock
  12. Technology
  13. Land utilization pattern.

14. Government schemes
- CHAPTER – 5(OBSERVATION) 29
- CHAPTER – 6(SUGGESTIONS) 30
  1. Awareness program
- CHAPTER – 7(CONCLUSION) 31
- CHAPTER – 8(REFERNCES) 31

No.	Title
1.	Snapshot of questionnaire form
2.	Data collection from household and Sachiv of Nagoi
3.	Map of Nagoi village (Google Maps Satellite Version)
4.	Machines used for the preparation of Dona patal(paper)
5.	Pucca house
6.	Kutcha house
7.	Govt. middle school Nagoi
8.	Higher secondary school Baima-Nagoi
9.	Anganwadi Nagoi
10.	Temple Near Nagoi Village
11.	Gram panchayat office Nagoi
12.	Primary health Centre Nagoi
13.	Water source
14.	Small shops of Nagoi Village
15.	Marriage Hall Near Nagoi
16.	Entry gate and Road of Nagoi village
17.	Agriculture machinery
18.	Agriculture Status
19.	Livestock
20.	Machines used in garment. factory and in fly ash bricks preparation
21	products made in dome and bricks factory Nagoi
22	Pic in dome and brick factory Nagoi and Ganiyari
23	Animal Husbandry Nagoi
24.	Plantation pattern.

Signed by Head and Supervisor

Contents/Abstract

Cover page

Signature and Seal of the Head

Certificate

Signed by Head and Supervisor

Contents/Abstract

Cover page

Signature and Seal of the Head

Certificate

Signed by Head and Supervisor

Contents/Abstract

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A REPORT ON

SOCIO-ECONOMIC SURVEY OF KALMITAR VILLAGE, RATANPUR BILASPUR CHHATTISGARH

(A Village Attachment Report)

Submitted for Partial Fulfillment of Requirment for the degree the Bachelor of Science In

Session – 2023-24

Forestry

Under the Supervision of:

Dr. Chowlani Manpoong
Assistant Professor,
Department of Forestry,
Wildlife and Environmental Sciences,
GGV, Bilaspur

Submitted By:
YASHASHVI SHUKLA
B.Sc. Forestry 8th Semester
Roll No. 20007070
Enrolment No. GGV/20/05675

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University Establishment Under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that MR. Yashashvi shukla D/o Mr.Santosh Shukla , bearing Enrollment No.– GGV/20/06575 of Department of Forestry, Wildlife and Environmental Sciences has completed this training entitled "**Training report on Socio –economic Survey of Village kalmitar**" under myguidance.

I wish her all the success in his academics.

Dr. Chowlani Manpoong
Assistant Professor
Department of Forestry,
GGV, Bilaspur.

CONTENT

S.NO.	Title	PageNo.
CHAPTER1	INTRODUCTION	6-12
CHAPTER2	VILLAGE PROFILE	13-16
CHAPTER3	DEMOGRAPHIC PROFILE OF KALMITAR	17-21
CHAPTER4	FOREST & INDUSTRIES	25-28
CHAPTER5	PROBLEMS	29
CHAPTER6	SUGESSTIONS	30
CHAPTER7	CONCLUSION	31
CHAPTER8	REFERENCE	32

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

A REPORT ON INDUSTRIES REALATED TO FOREST

(An Industrial Report)

Submitted for partial fulfillment of requirement for the degree the Bachelor of Science in Forestry

SESSION- 2023-24

14-5-24

Under the Supervision -

DR. CHOWLANI MANPOONG
Assistant professor,
Department Of Forestry,
Wildlife and Environmental Sciences,
GGV, Bilaspur.

Submitted By –

YASHASHVI SHUKLA
B.sc. Forestry 8th semester
Roll no- 20007070
Enrollment no- GGV/20/06575

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

GURU GHASIDAS VISHWAVIDHYALAYA BILASPUR (C.G)
(A Central University Establishment under Central University Act 2009, No. 25 Of 2009)

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

Certificate

This is to certify that Mr. Yashashvi Shukla S/o Mr Santosh Shukla, bearing Enrollment No- GGV/20/0657 of Department of forestry, Wildlife and environmental Sciences has completed this training entitled "Training Report On Forest Based Industries" under our guidance.

We wish his all the success in his academics.

Dr. Chowlani Manpoong
Assistant Professor
Department Of Forestry
GGV, Bilaspur

CONTENTS

CHAPTER-1		**Introduction**	**1-3**
	1.1	Socio-Economic Survey	
	1.2	Definition	
	1.3	Importance of socio-economic survey	
	1.4	Socio-Economic assessment	
	1.5	Aim of the survey	
	1.6	Objective of the survey	
CHAPTER-2		**Methodology**	**4-7**
		Methodology adopted for survey	
	2.1	Selection of the area	
	2.2	Developing baseline conditions	
	2.3	Designing a questionnaire form	
	2.4	Data collection from Primary source	
	2.5	Data collection from Secondary Source	
	2.6	Data entry and verification	
	2.7	Data analysis and representation	
CHAPTER-3		**Village Profile**	**8-29**
	3.1	General profile of the village	
	3.2	Map of village	
	3.3	Village infrastructure	
CHAPTER-4		**Demographic Profile**	**30-40**
	4.1	Demographic and resource data of Village	
	1.	Population status	
	2.	Social anatomy	
	3.	Poverty status	
	4.	Housing pattern	
	5.	Educational status	
	6.	Literacy rate	
	7.	Occupation and employment	
	8.	Source of water	
	9.	Cooking status	
	10.	Livestock	
	11.	Technology	
	12.	Land utilization pattern	
	13.	Government schemes	
CHAPTER-5		**Obervation**	**41**
CHAPTER-6		**Conclusion**	**42**
CHAPTER-7		**Needs of the Village**	**43**

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

A REPORT ON FOREST ATTACHMENT UNDER BILASPUR DIVISON DFO BILASPUR – CHHATTISGARH

(A Forest Attachment Report)
Submitted for partial fulfillment of requirement for the degree the Bachelor of Science in Forestry

SESSION- 2023-24

Under the Supervision -

DR. CHOWLANI MANPOONG
Assistant professor,
Department Of Forestry,
Wildlife and Environmental Sciences,
GGV, Bilaspur.

Submitted By –

YASHASHVI SHUKLA
B.sc. Forestry 8th semester
Roll no- 20007070
Enrollment no- GGV/20/06575

DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE
GURU GHASIDAS VISHWAVIDHYALAYA BILASPUR (C.G)
(A Central University Establishment under Central University Act 2009, No. 25 Of 2009)

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

GURU GHASIDAS VISHWAVIDHYALAYA BILASPUR (C.G)
(A Central University Establishment under Central University Act 2009, No. 25 Of 2009)
DEPARTMENT OF FORESTRY, WILDLIFE AND ENVIRONMENTAL SCIENCE

CERTIFICATE

This is to certify that Mr. Yashashvi Shukla S/O Mr. Santosh Shukla, bearing Enrollment No- GGV/20/06546 of Department of forestry, Wildlife and environmental Sciences has completed this training entitled **"Training Report On Forest Attachment"** under our guidance.
We wish his all the success in his academics.

Dr. Chowlani Manpoong
Assistant Professor
Department Of Forestry
GGV, Bilaspur

CONTENT

S.NO.	TOPIC	PAGE NO.
Chapter 01	INTRODUCTION	2 – 5
Chapter 02	APICULTUREHONEY PRODUCTION	5 -10
Chapter 03	REGIONALGEOGRAPHIC CENTER	10 - 14
Chapter04	WORKING PLANOF FOREST	13 - 14
Chapter05	WOOD DEPOT	15 - 22
Chapter06	NYRSERYMANAGEMENT	23 - 25
Chapter07	ACHANAKMARTIGER RESERVE	26 -30
Chapter08	CONCLUSION	29
Chapter09	REFERENCE	30

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर – 495009 (छ.ग.)

Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur – 495009 (C.G.)

SOCIO-ECONOMIC SURVEY OF NAGOI VILLAGE

Submitted for partial fulfillment of requirement for the bachlor degree of science in Forestry

SESSION:- 2023-24

Under the Supervision of
Dr. Chowlani Manpoong
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya Bilaspur(C.G.)

Submitted By
Mr. Yogesh Dansena
B.Sc. Forestry 8th Semester
Roll No. 20007071
Enrollment No. GGV/20/06576

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय, बिलासपुर
Guru Ghasidas Vishwavidyalaya, Bilaspur
A Central University established by the Central University Act 2009 No. 25 of 2009

CERTIFICATE

This is to certify that **Mr.YOGESH DANSENA** of B.Sc FORESTRY 8th Semester bearing Enrollment number GGV/20/06576 during the session of 2023-2024 of Department of Forestry ,Wildlife and Environmental Science has completed his field training entitled **"SOCIO- ECONOMIC SURVEY-REPORT OF A VILLAGE"** under my guidance.

I wish him all the success in his future academic endeavors.

Dr. Chowlani Manpoong
Assistance Professor
(Supervisor)
Signature and Date

INDEX

CHAPTER – 1 (INTRODUCTION)

DEFINITION

a. Importance of Socio – Economic survey
b. Socio-Economic assessment
c. Aim of the survey
d. Objectives of survey
e. Methodology adopted for survey

CHAPTER – 2 (VILLAGE PORTRAIT)

a. General profile of the village
b. Map of the village
c. Village infrastructures

CHAPTER – 3 (DEMOGRAPHIC PROFILE)

a. Population status
b. Socio Anatomy
c. Sex Ratio
d. Level of education
e. Household Pattern
f. Availiablity of water
g. Occupation
h. Communication
i. Livestock
j. Agricultural practices
k. Government schemes in village
l. Vechicles

PROBLEMS

SUGGESTION

CONCLUSION

REPORT ON FOREST INSTITUTE AND INDUSTRIAL TRAINING BALASPUR, (C.G)

(INDUSTRIAL TRAINING)

SUBMITTED FOR PARTIAL FULFILMENT OF REQUIREMENT OF THE BACHELOR'S OF SCIENCE IN FORETRY

SESSION:- 2023-24

Under the Supervision of
Dr. Chowlani Manpoong
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya Bilaspur(C.G.)

Submitted By
Mr. Yogesh Dansena
B.Sc. Forestry 8th Semester
Roll No. 20007071
Enrollment No.GGV/20/06576

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय, बिलासपुर
Guru Ghasidas Vishwavidyalaya, Bilaspur
A Central University established by the Central University Act 2009 No. 25 of 2009

CERTIFICATE

This is to certify that **Mr. Yogesh Dansena** of B.Sc FORESTRY 8th Semester bearing Enrollment number GGV/20/06576 during the session of 2023-2024 of Department of Forestry ,Wildlife and Environmental Science has completed his field training entitled **"FOREST INSTITUTE AND INDUSTRIAL TRAINING"** under my guidance.

I wish him all the success in his future academic endeavors.

Dr. Chowlani Manpoong

Assistant Professor
(Supervisor)

Signature and Date

CONTENT

S.NO.	TOPIC	PAGE NO.
1.	CHAPTER1:- BAMBOO ART AND WOOD BASED PRODUCTS • IMPORTANCE OF BAMBOO ART • OBJECTIVES OF THE BAMBOO ART • PROCESSING OF BAMBOO ART • TOOLS USED IN BAMBOO ART • WOOD BASED NOVEL PRODUCTS • WOOD BASED CRAFTS • WOOD CRAFT SPECIES • WOOD CRAFTS	1-7
2.	CHAPTER 2 :- TRANING ON MUSHROOM PRODUCTION AND ITS WASTE MANAGEMENT • IMPORTANCES OF MUSHROOM • TYPES OF MUSHROOMS • Material Required for cultivation • CULTIVATION OF OYSTER MUSHROOM • CULTIVATION OF PADDY MUSHROOM • CULTIVATION OF MILKY MUSHROOM • MARKETING OF MUSHROOM • MARKETING OF MUSHROOM • WASTE MANAGEMENT OF MUSHROOMS AND VERMICOMPOST	8-19
3.	CONCLUSION AND REFERENCES	20

FOREST ATTACHMENT REPORT

Submitted for partial fulfillment of requirement for the bachlor degree of science in Forestry

SESSION:- 2023-24

Under the Supervision of
Dr. Chowlani Manpoong
Assistant Professor
Department of Forestry
Wildlife & Environmental Science
Guru Ghasidas Vishwavidyalaya Bilaspur(C.G.)

Submitted By
Mr. Yogesh Dansena
B.Sc. Forestry 8th Semester
Roll No. 20007071
Enrollment No. GGV/20/06576

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYLAYA BILASPUR (C.G.)
(A Central University Established Under Central University Act 2009, No.25 of 2009)

गुरु घासीदास विश्वविद्यालय, बिलासपुर
Guru Ghasidas Vishwavidyalaya, Bilaspur
A Central University established by the Central University Act 2009 No. 25 of 2009

CERTIFICATE

This is to certify that **Mr. Yogesh Dansena** of B.Sc FORESTRY 8th Semester bearing Enrollment number **GGV/20/06576** during the session of 2023-2024 of Department of Forestry ,Wildlife and Environmental Science has completed his field training entitled **"FOREST ATTACHMENT REPORT"** under my guidance.

I wish him all the success in his future academic endeavors.

Dr. Chowlani Manpoong
Assistant Professor
(Supervisor)

Signature and Date

CONTENT

S.NO.	TOPIC	PAGE NO.
1.	CHAPTER1: Chhattisgarh Forest C.G. Forest Dept. Structure Bilaspur Forest Division	1-6
2.	CHAPTER 2 : Honey Processing Centre	7-16
3.	CHAPTER 3 : Regional Geometic Centre	17-24
4.	CHAPTER 4 : Working Plan of Bilaspur Division	25-30
5.	CHAPTER 5 : Wood Depot (Kastaghar , Kota)	31-39
6.	CHAPTER 6 : Nursery Managenment (Bhansaajhal)	40-47
7.	CHAPTER 7 : Zoo Management	48-50
8.	CONCLUSION AND REFERENCES	51

Signed by Head and Supervisor

Contents/Abstract

Cover page

Signature and Seal of the Head

Certificate

Signed by Head and Supervisor

Contents/Abstract

Cover page

Signature and Seal of the Head

Certificate

Signed by Head and Supervisor

Contents/Abstract