



MKR GOVT. DEGREE COLLEGE
(Accredited with B⁺⁺ Grade by NAAC, ISO 9001-2015)
Affiliated to Mahatma Gandhi University
DEVARAKONDA, NALGONDA, TELANGANA



A REPORT

ON

FIELD TRIPS

ORGANIZED

BY

DEPARTMENT OF BOTANY

S. No.	Academic Year	Activity Title	Number of Participants
1	2019-20	Educational Trip	82
2	2020-21	Herbarium Collection	18
3	2020-21	Environmental Studies	171
4	2021-22	Environmental Studies	18
5	2022-23	Environmental Studies	12
6	2022-23	Herbarium Collection	8
7	2022-23	Herbarium Collection	12



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Academic Year 2019-2020

FIELD TRIP: BOTANY DEPARTMENT

Educational Trip to Devanakonda Fort on
14.08.2019

As a part of B.Sc. Curriculum, one day trip was organized by to Devanakonda Fort by Department of Botany, MKR Govt. Degree College, Devanakonda. The major objective was to familiarise the students with the flora and ecology of the region. Also to acquaint them with the importance of hills and mountains and the threats these ecosystems face due to natural and anthropogenic pressures.

A group of 82 students were accompanied by Dr. Ch. Rama Raju, Asst. Professor of Botany.

As a part of their curriculum, students collected plants for herbarium preparation. Students were familiarized with the habitat of xerophytes and hydrophytes and their morphological adaptations. The trip successfully inculcated in students the practicality of different theoretical concepts of Botany. The effects of wind and water erosion leading to land degradation was also shown to student.

Earlier, Dr. Rahat Khanam, Principal, MKR GDC, Devanakonda and C. Venkatarah Municipal Commissioner applauded the students for collection of Historical and Archeological importance site for field visit.



Dr. Rahat Khanam, Principal and C. Venkataraju Municipal Commissioner along with students were present in front of entrance.



FIELD TRIP - HERBARIUM COLLECTION

25-09-2019



Dr. Ch. Rama Raju, Asst. Professor of Botany and B.Sc. B.2c. III Semester students at Jal Thanda of Mudigonda Village.

On 25.09-2019, 18 students of B.Sc. B.2c. with Dr. Ch. Rama Raju, Asst. Professor of Botany went for a trip to Jal Thanda, Mudigonda Gram Panchayat with an aim to collect Herbarium specimens and collection of information pertaining to "Jignana" programme.

The students observed different plants growing in their natural habitats which included a mesmerizing view of the Cactus ^{plants} garden, angiosperms of food and medicinal importance.



Students of B.Sc. B.2c. III sem taken photograph on the way to Mudigonda - a field trip. Cactus plants are found behind them.

The students learned about the methods of Irrigation and drainage system in the fields. Students were familiarised with the xerophytic adaptation of plant species like Aloe vera, Euphorbia sp, Acacia sp, Zygophus sp, Ciccus quadrangulatis, Opuntia and cactus sps.

Students also got information by talking to villagers about the uncultivated and wild variety of food yielding plants especially greens.

The trip successfully incubated in students the practicality of different theoretical concepts of Botany.

Chakraborty



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FIELD TRIPS

Academic Year 2020-2021

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**MKR GOVERNMENT DEGREE COLLEGE,
DEVARAKONDA
DEPARTMENT OF BOTANY & ZOOLOGY**



FIELD TRIP REPORT ON ENVIRONMENTAL STUDIES

MKR Government Degree College, Devarakonda conducted field trip as part of curriculum on Environmental studies on **15/03/2021** with all first year students along with Department of life sciences and other faculty members visited to Jelthanda village and observed their environmental problems.

Purpose of the study

The aim of this study is to examine students' field trip as a way of thinking and identifying various aspects and features that are relevant in environmental studies so as to obtain answers that address environmental problems. The aim can be achieved by the following objectives;

- i. To identify the attributes of a good or clean environment and the various forms of interaction between different components/settlements.
- ii. To identify the most common physical environmental problems such as; drainage system, waste management system, road network etc.
- iii. To determine the causes of the existing environmental conditions such as; flooding, slum developments, waste disposal etc.
- iv. To determine how satisfied the residents in these environment or areas visited. This is carried out through the issuance of well-structured questionnaire and interviews.

Statement of the problems

Most undergraduate students in the nations higher institutions of learning over the years of their studentship do not have a practical knowledge of their physical environment and therefore have little or no idea about the practical requirements in their various fields of environmental studies. This lacuna or deficiency has greatly contributed to the difficulties encountered by students during their first year project work.









MKR GOVERNMENT DEGREE COLLEGE

DEVARAKONDA (Dist. NALGONDA) - 508 248.
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ACTIVITY REGISTER - 20 - 20

Name of the Activity	Field trip on Environmental studies	Conducted by:	dept. of life sciences
Date	15/3/2021	Name of the Resource Person	Dr. Ch. Rama Raju
Venue	Telthanda	Signature	Ch Rama Raju
	Principal		Ch Rama Raju

Sl. No.	Signature of the Participant	Class	Sl. No.	Signature of the Participant	Class
1	A. Sheshkumar	BA I	26	P. Anil	BA 1st
2	B. Shailaja	B.A. 1st	27	V. Manjuna	BA 1st
3	A. Shivaji	BA I	28	V. Sai	BA 1st
4	S. Kondal	BA I	29	V. Kiran	BA 1st
5	D. Soudalata	BA I	30	V. Vijay	BA 1st
6	B. Boriga Vamsa	BA 1st	31	C. Venkela	BA I
7	D. Naveen	BA I	32	A. Swasopa	B-com 1st
8	N. Surya	B-A 1st	33	A. Krishna	B.A. I
9	E. Anjanelysh	BA I	34	P. Shiva	BA I
10	N. Sahasr	B-A 1st	35	K. Jagaraju	B-com 1st
11	M. Raguram	B. com I	36	J. Bagya	B-com 1st
12	M. Prasadh.	BA I	37	A. Keshu	BA I
13	K. Suresh	B.A. I	38	N. Suresh	B.A. I
14	S. Pawan	BA I	39	K. Anil	B-com 1st
15	M. Sneel	BA I	40	M. Anusha	B-com 1st
16	N. Sandeep	B.A. I	41	B. Sneha	B.A. I
17	D. Prashad.	BA I	42	B. Navesh	B.A. I
18	MD. Wahajhaneef	BA I	43	N. Rambha	B-com 1st
19	O. Anil	BA I	44	P. Ramyhi	B-com 1st
20	N. Anusha	BA I	45	C. Chintu	B.A. 1st
21	R. Suresh	B-com I	46	S. Srithanth	BA 1st
22	M. Anusha	B-com I	47	P. Sushra	B-com 1st
23	P. Kumar	BA - I	48	R. Gopi	B-com 1st
24	R. Ramakrishna	B.A. I	49	R. Gresh	B-com 1st
25	R. Pawan	B.A. 1st	50	D. Ravi	BA I

Sl. No.	Signature of the Participant	Class	Sl. No.	Signature of the Participant	Class
51	E. Sivarani	B.A I	87	M. Raju Ram	B.com 1st
52	V. Sai	B.A I	88	V. mamatha	BA 1st
53	G. Saidevulu	BA I	89	V. Mathangi	BA I
54	K. Anil	B.A I	90	D. Mahesha	BA I
55	K. Kavitha	B.com 1st	91	V. Sai	B.com I
56	D. Hanuman	B.A 1st	92	A. Naresh	B.com I
57	K. Srikanth	B.A I	93	A. Sowmya	B.com I
58	K. Radhika	BA 1st	94	A. Pavithra	B.com I
59	D. Raju	BA 1st	95	K. Anuska	B.com 1st
60	K. Yerrajulu	B.A I	96	A. Swaroopa	B.com I
61	M. Maresh	BA I	97	G. Srikanth	BA 1st
62	M. Naveen	B.A I	98	B. Naresh	B.com I
63	S. Saisanth	B.A 1st	99	J. Abhaya	B.com I
64	M. Koteelu	B.A I	100	K. Shriisha	B.com I
65	M. Srinu	B.A I	101	G. Sujatha	B.com 1st
66	M. Radhika	B.A I	102	K. Kasthika Reddy	B.com 1st
67	V. Anjaneyulu	BA I	103	C. Anjaneyulu	B.com 1st
68	D. Rombabu	B.com I	104	K. Kavitha	B.com 1st
69	M. Anitha	B.com I	105	S. Edukondal	B.com 1st
70	M. Srinu	B.A 1st	106	K. Nagaraju	B.com 1st
71	P. Soavan Kumar	B.com I	107	B. Naresh	B.com I
72	N. Surya	BA 1st	108	K. Anil	B.com I
73	P. Alhina	B.A 1st	109	K. Shrinika	B.com I
74	S. Sallin	BA 1st	110	M. Anuska	B.com 1st
75	P. Harmath	B.A 1st	111	V. Anuska	B.com 1st
76	R. Ganesh	B.A 1st	112	R. Suresh	B.com 1st
77	P. Raju	B.A 1st	113	K. Shrinika	B.com 1st
78	R. Suresh	B.A 1st	114	C. Bharathuway	B.com 1st
79	P. Mahesh	B.A 1st	115	N. Sanshi	B.com 1st
80	R. Ganesh	B.A 1st	116	P. Vamshi	B.com 1st
81	K. Sai Mahesh	B.com 1st	117	P. Swetha	B.com I
82	S. Pavan	B.A 1st	118	G. Sujatha	B.com I
83	X. Vinod	B.A 1st	119	E. Sivarani	B.A 1st
84	G. Bhavani	B.com I	120	R. Gopi	B.com I
85	K. Ugendhar	B.com I	121	R. Ramesh	B.com I
86	S. Konalal	B.A 1st	122	R. Suresh	B.com I

Sl. No.	Signature of the Participant	Class	Sl. No.	Signature of the Participant	Class
123	M. Akhila	B.Z.C I	160	M. Akhil	MPCS 1st
124	A. Balaji	B.Z.C I	161	N. Venkatesh	MPCS 1st
125	A. Keerthi	B.Z.C 1st	162	Nazma Shaik	MPCS 1st
126	B. Manjula	B.Z.C 1st	163	N. Navin	MPCS 1st
127	B. Naveen	B.Z.C 1st	164	G. Surenthra	MPCS 1st
128	Ch. Lakshmi	B.Z.C 1st	165	N. Lakshmi	MPCS 1st
129	D. Sri Laxmi	B.Z.C 1st	166	N. Hanumanth	MPCS I
130	B. Aksh	B.A 1st	167	N. Anjanayulu	MPCS I
131	N. Navin	B.Z.C 1st	168	P. Sai Kumar	MPCS 1st
132	K. Padma	B.Z.C B	169	P. Nagesh	MPCS 1st
133	K. Mounika	B.Z.C I	170	P. Shiva	MPCS 1st
134	D. Maheshwari	B.Z.C I	171	R. Ravi	MPCS 1st
135	Mohammad Wahid	B.Z.C I	172		
136	M. Bhagyashree	B.Z.C I	173		
137	N. Anjali Prasanna	B.Z.C I	174		
138	N. Sai Kumar	B.Z.C I	175		
139	N. Shivalada	B.Z.C I	176		
140	A. Ashina	B.Z.C I	177		
141	N. Naveen	B.Z.C 1st	178		
142	N. Sai Kumar	B.Z.C 1st	179		
143	P. Lakshmi	B.Z.C 1st	180		
144	P. Akshika	B.Z.C 1st	181		
145	A. Shonkar	B.Z.C I	182		
146	C. Naveen	MPCS I	183		
147	C. Meena	MPCS I	184		
148	D. Shiva	MPCS I	185		
149	E. Mahesh	MPCS I	186		
150	G. Anas	MPCS 1st	187		
151	G. Anas	MPCS 1st	188		
152	J. Poojitha	MPCS 1st	189		
153	A. Jansi	MPCS 1st	190		
154	K. Mandar Kulkarni	MPCS 1st	191		
155	M. Ummani	MPCS 1st	192		
156	M. Misbahuddin	MPCS 1st	193		
157	M. Siddharth	MPCS 1st	194		
158	M. Akhil	MPCS 1st	195		
159	N. Venkatesh	MPCS 1st	196		



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A REPORT

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FIELD TRIPS

Submitted by: Semester V

Academic Year 2020-2021

ORGANIZED

BY

DEPARTMENT OF BOTANY

INTRODUCTION

Field study is an essential part of Botany. The natural environment i.e. the surroundings where we all interact, the plants in their natural habitat is one of the most interesting things that is needed to be studied by the students of-LIFE SCIENCE. Studying plants in their natural habitat enhances our knowledge that is learnt from the classroom discussions and laboratory experiments.

The announcement from the Botany Department of MKR GDC Devarakonda made the students of the III rd Semester so happy. Our joy knew no bounds when the spot was fixed to Mudigonda which is on the way from Devarakonda to Hyderabad via Mudigonda.

An apprehensive knowledge of things is always required for students to start a particular study of a particular site in their natural environment. So classroom study and field study are complementary to each other and we cannot ignore any one of them. Hence keeping these two things in view, this study tour was organized by the Department of Botany, as per syllabus prescribed by the Mahatma Gandhi University.

Aim and Objectives of the Field trip

1. To observe and collect the plant species from study site.
2. To study the natural habitats and characters of the plants found in the area.
3. To collect some plant species for herbarium preparation and submission for examination
4. The collected plant may be kept and used for reference studies



Collection of plant parts for Herbarium

TOUR DIARY

On 17/03/2021, **Twelve** of us and our beloved teacher, Dr. Ch. Rama Raju, Assistant Professor of botany met each other at 10:00 am in the college campus. From there, we started by walking out around 11.00 am. We reached the place after around one and half hour i.e. around 12.30 pm.

After observing the plants and staying there for around 3 hours, we came back around 4.00 pm to college.

The students who participated in the tour are:

The following equipment are to be carried along in the field of study:

1. Knives
2. Forceps
3. Scissors
4. Magnifying lenses
5. Portable plastic containers
6. Herbarium press
7. Formaldehyde
8. Scale
9. Notebook, pen pencil,
10. Camera

Specimen collected from the study site

S. No.	Name of the Species
1	<i>Acalypha indica</i>
2	<i>Achyranthes aspera</i>
3	<i>Aerva lanata</i> (L) Juss.
4	<i>Anisochilus carnosus</i>
5	<i>Cassia ariculata</i>
6	<i>Celosia argentia</i>
7	<i>Cissus quadrangularis</i>
8	<i>Cleome gynandra</i> L.
9	<i>Euphorbia hirta</i> L.
10	<i>Leucas aspera</i> (willd.) Link.
11	<i>Solanum nigrum</i>
12	<i>Trianthema decandra</i> L.
13	<i>Tamarindus indica</i>

CONCLUSION

Our study tour was very interesting, student participants interacted in a very well disciplined manner cooperated well with the teacher guide and overall the tour was grand success. We realized that viewing the flora and fauna in its natural form made us things vivid enhancing the classroom lectures and laboratory experiments.



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DEPARTMENT OF BOTANY & ZOOLOGY

FIELD TRIP

MKR GOVERNMENT DEGREE COLLEGE, DEVARAKONDA

FIELD TRIP REPORT ON ENVIRONMENTAL STUDIES

MKR Government Degree College, Devarakonda conducted field trip as part of curriculum on Botany and Zoology on 16/12/2021 with all first year students (18) along with Department of life sciences and other faculty members visited Parvatalachuruvu of Devarakonda and observed the flora and fauna.

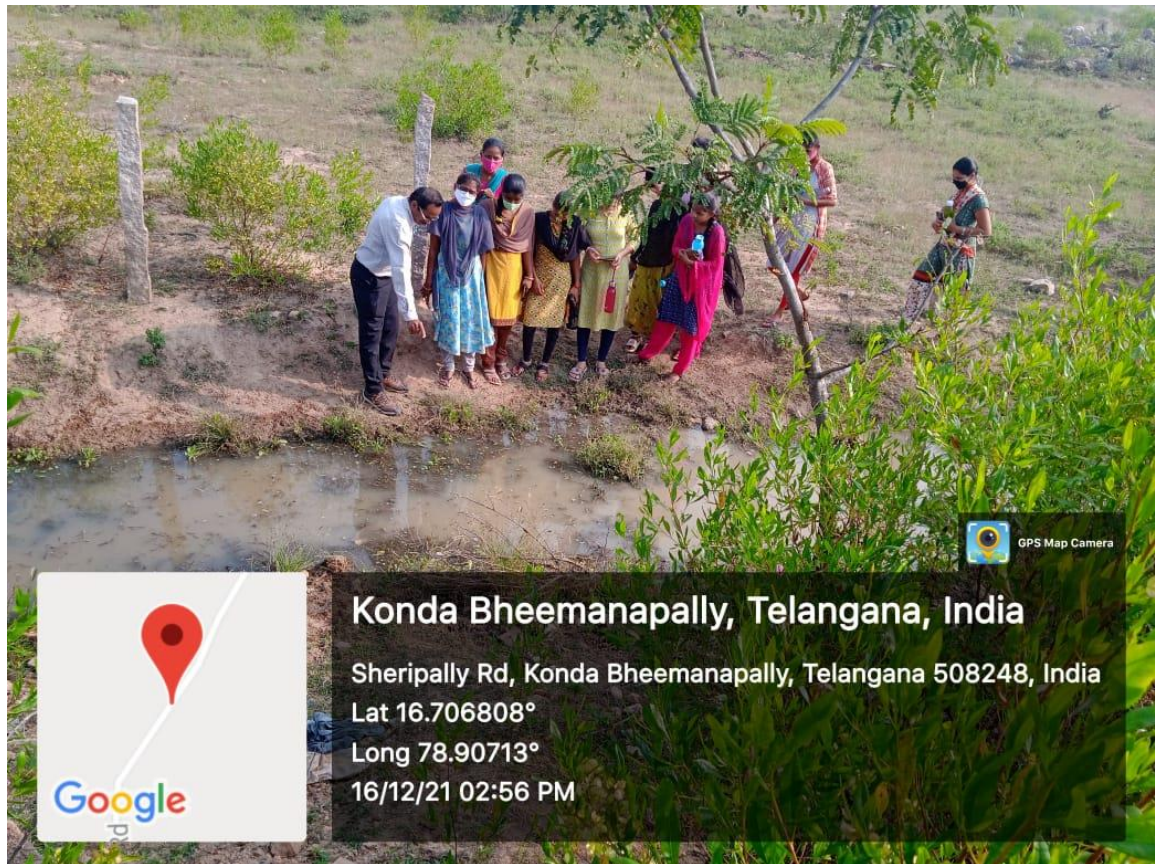
Purpose of the study

The aim of this study is to examine students' field trip as a way of thinking and identifying various aspects and features that are relevant in environmental studies of plants and animals so as to obtain answers that address adaptations of plants and animals to the environment. The aim can be achieved by the following objectives;

- i. To identify the attributes of a good or clean environment and the various forms of interaction between different components/settlements.
- ii. To identify the most common physical environmental adaptations such water and drought etc.
- iii. To understand the morphological adaptations of plants and animals to the environmental conditions.

Statement of the problems

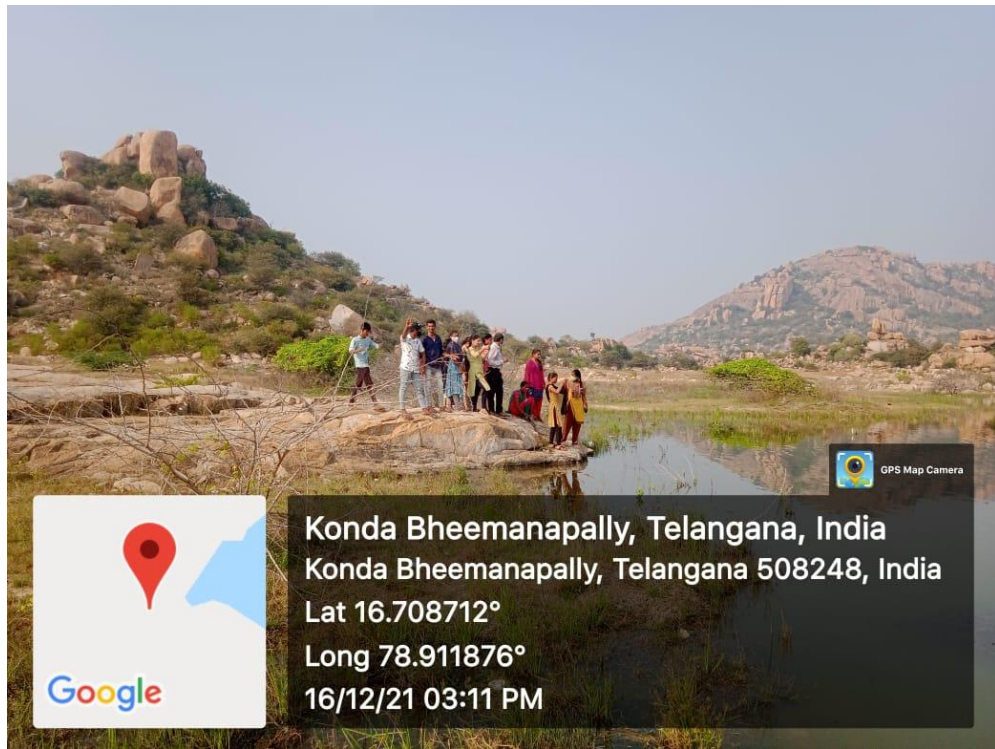
Most undergraduate students in the nations higher institutions of learning over the years of their studentship do not have a practical knowledge of their physical environment and therefore have little or no idea about the practical requirements in their various fields of environmental studies. This lacuna or deficiency has greatly contributed to the difficulties encountered by students during their study.



Dr. Rama Raju showing the ditch to the students

Conclusion

Our field trip lasted for three hours and a half, so it ended at 4.30 PM. It was successful because all students learned the required firsthand information on plants and animals and their adaptations to the environment. Moreover, that trip taught us to value life and be active, trying to change the world for the better.



Observation of flora and fauna by students in natural habitat.



Dr. Ch. Rama Raju, Asst. Professor of Botany along with B.Sc. BZC I Semester students participated in the field trip (2021-2022).



Sri. V. Karunakar, Lecturer in Zoology along with students at Parvatala cheruvu



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Dr. Ch. RamaRaju, M. Sc., M. Ed, Ph.D.

Principal (FAC)

DEPARTMENT OF BOTANY

FIELD TRIP REPORT ON HERBARIUM COLLECTION

Date: 19/12/2022

MKR Government Degree College, Devarakonda conducted field trip as part of curriculum on Botany and Zoology on 19/12/2022 with 12 First year students along with faculty of life sciences and other faculty members visited Paratalachuruvu of Devarakonda and observed the flora and fauna.

Purpose of the study

The aim of this study is to examine students' field trip as a way of thinking and identifying various aspects and features that are relevant in environmental studies of plants and animals so as to obtain answers that address adaptations of plants and animals to the environment. The aim can be achieved by the following objectives;

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Conclusion

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Dr. Ch. Rama Raju Assistant Professor of Botany explaining xerophytic adaptations of plants to students.



Study of pond ecosystem and adaptations of hydrophytes by students.



Students and faculty taken a photograph in front of Opuntia, the Xerophyte. Mr. V. Karunakar Lecturer in Zoology is seen standing left side, and Dr. Ch. Rama Raju Asst. Professor of Botany standing right side in the photograph.

Date: 15/03/2023

MKR Government Degree College, Devarakonda conducted field trip as part of curriculum on Botany and Zoology on 15/03/2023 with 8 final year students along with faculty of life sciences and other faculty members visited Paratalachuruvu of Devarakonda and observed the flora and fauna.

Dr. Ch. Rama Raju, Asst. Professor of Botany and Sri. P. Lingaiah, Herbarium Keeper along with students in the field study.



Field Trip
VI Semester Project
15.03.2023 11:46
16.69908, 78.90918 (±5m)
Altitude: 243m



Dr. Ch. Rama Raju, Asst. Professor of Botany and Sri. P. Lingaiah, Herbarium Keeper along with students in the field study. Students collected plant twigs for herbarium.