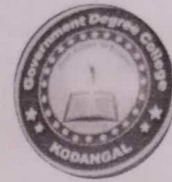




Under the
JIGNASA



TITLE OF THE PROJECT

**STUDY OF DIMINISHING TRADITIONAL WEALTH FOR BONE
FRACTURE TREATMENT IN KODANGAL AREA, TELANGANA**

Presented by

- ❖ AKSHAYA, BZC III YR
- ❖ SAMREEN BEGUM, BZC III YR
- ❖ MANISHA KOIRALA, BZC III YR
- ❖ P. SHRUTHI, BZC II YR
- ❖ B. SATYANARAYANA, BZC III YR
- ❖ D. BALAPRAKASH, BZC III YR



Under the supervision of

R. SRINIVAS

MSc. Mphil. SET. (Ph.D)

Assist. prof. in BOTANY

Department of BOTANY
Government Degree College, Kodangal, Vikarabad district

GDC, Kodungal
Dept. of Botany
2021-22

GS-19

Name of the Activity:- Jignasa study Project

Title :- study of Diminishing Traditional wealth for Bone fracture Treatment in Kodungal Area, Telangana

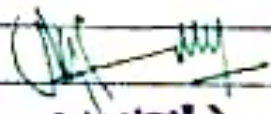
Academic year :- 2021-22

Resource Person :- R. Srinivas

Members :- (5)

- 1) Alshaya
- 2) Samreen Begum
- 3) Manisha Koirala
- 4) P. Sruthi
- 5) Sathyanarayana
- 6) Bala Prakash

Note:- Our project had selected state level presentation


Principal
Ond Degree College
Kodungal Dist. Warangal

**Proceedings of the Commissioner Collegiate Education,
Telangana :: Hyderabad.**

Present: Sri.Navin Mittal, IAS

Sub Collegiate Education- Jignasa Student Study Projects-2021- List of Selected Student Study Projects for State Level Presentation- Instructions- Issued- Reg.

Ref: File No. CCE-AC/JIGN/1/2021-ACADEMIC CELL Dated:15.09.2021

Commissionerate of Collegiate Education gives prominence to provide the opportunity to the students of all Government Degree Colleges to explore problems and challenges which have real world applications through project based learning. Learning through projects also increases the possibility of long-term retention of what students have learnt and establishes the linkage between theory and practice.

In view of the above, the Department has received a total of 855 Study Projects from all the Government Degree Colleges in 15 subjects. The projects were evaluated by a committee consisting of subject experts who have an aptitude for research and innovation. Out of 855 Projects, 285 projects have been selected in 15 subjects for state level presentation.

The subject wise selected list of Jignasa Study Projects for State Level Presentations is placed in the Annexure - I

In this regard, all the Principals of GDCs as per the Annexure-I are directed to ensure that the Mentor/Supervising faculty shall guide the students and prepare them thoroughly for state level presentations. Further, the Principals also instructed to send the soft copies of full length Study Projects which are selected for State Level Presentations by 18th April, 2022 to jignasa-ce@telangana.gov.in and instruct the faculty supervisors to submit the hard bound copies at the time of

S.No	District	Name of the GDC	Subject	Name of the Project	Name of the Supervisor
229 152	Siddipet	GDC (W) Siddipet	Botany	Garbage is recyclable & reusable for vermicompost	Sangi Godavari
230 16	Siddipet	GDC A Siddipet	Botany	Role of wheat grass juice in enhancement of Hb levels in college students	Dr.A.Shallaja
231 17	Suryapet	GDC Huzurnagar	Botany	identification of abundant freshwater algae in	M.Anil Kumar
232 18	Vikarabad	GDC Kodangal	Botany	Study of Diminishing Traditional Wealth for	R.Srinivas
233 19	Warangal	GDC Narsampet	Botany	Campus flora of Government Degree	Mediseti Narendar
234 20	Hanamkonda	GDC Hanamkonda	Zoology	Impact of Covid-19 in India.	Dr. V. Anil kumar , P. Shubashini, Dr. K. Ganesh
235	Hyderabad	GDC (W) Nampally	Zoology	FASD (Fatal Alcohol Spectrum Disorders)	Aamruth Kumar Lakkineni
236	Hyderabad	GDC Khairatabad	Zoology	A study on the ecological succession state of few surface water bodies (Lakes and Ponds) in Hyderabad for sustainable use as water resources.	Dr.K.Vijaya Prasada Rao
237	Hyderabad	GDC Nayapul	Zoology	Prevalence and risk factors of type 2 diabetes in several parts of Telangana state	Dr. Sridevi
238	Kamareddy	GDC Kamareddy	Zoology	Bio accumulation of heavy metals in fresh water	Tirumala. Malsoor
239	Karimnagar	GDC (W) Karimnagar	Zoology	Food Consumption And Lifestyle Pattern Of Obese Adolescents And The Impact Of Nutrition Intervention In Karimnagar District	Dr. S.SWETHA



GOVERNMENT DEGREE COLLEGE, KODANGAL.

(Affiliated to Palamuru University)

DEPARTMENT OF BOTANY



PROJECT WORK

ON

study of Diminishing Traditional Wealth For BONE
FRACTURE TREATING in kodangal Area, Telangana.

**Submitted to the Department of BOTANY as partial fulfillment of
the B.Sc., I, II, III YEAR**

2021- 2022



DECLARATION

We AKSHAYA ,SAMREEN , MANISHAKOIRALA, SHRUTHI, SATYANARAYANA, BALA PRAKASH declare that this Research Project Work entitled "STUDY OF DIMINISHING TRADITIONAL WEALTH FOR BONE FRACTURE TREATMENT IN KODANGAL AREA , TELANGANA has been originally carried out by us under the supervision of R.SRINIVAS, Lecturer in Botany, Government Degree College, kodangal, Vikarabad district and this has not been submitted for any Research Project work either in part or in full to any other Govt. Degree Colleges in Telangana State.

Names of the students

1. AKSHAYA ,
2. SAMREENBEGUM,
3. MANISHA KOIRALA,
4. SHRUTHI,
5. SATYANARAYANA,
6. BALA PRAKASH

R.SRINIVAS

M.Sc. SET., (Ph.D.)

Lecturer in BOTANY



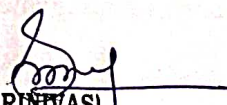
DEPARTMENT OF BOTANY
GOVERNMENT DEGREE COLLEGE
KODANGAL, VIKARABAD DIST (T.S), India
Affiliated PALAMURU UNIVERSITY

Mobile: 6305853623, E-mail: seenuds81@gmail.com

CERTIFICATE

This is to certify that the project work incorporated in this Research Project entitled "STUDY OF DIMINISHING TRADITIONAL WEALTH FOR BONE FRACTURE TREATMENT IN KODANGAL AREA , TELANGANA" has been carried out by **AKSHAYA , SAMREEN, MANISHA KOIRALA, SHRUTHI, SATYANARAYANA, BALA PRAKASH** Botany students under my supervision. I further certify that the Research Project work done by six students is original and has not been submitted for any Research project either in part or in full to any other degree college.

The assistance and help taken during the period of investigation and source of Literature is fully acknowledged.


(R.SRINIVAS)

Department of Botany

GOVERNMENT DEGREE COLLEGE, KODANGAL.

ACKNOWLEDGEMENT

We feel great honor and privilege to extend our heartfelt gratitude to honorable commissioner Sri.N. Navin Mittal Garu, for introducing such a wonderful, research oriented and skills development program under JIGNASA for degree college students across the state of Telangana. Indeed, This program develops the Academic Qualities, Inquisitiveness, Creative Talent and the research in the students, thank you very much sir for providing us such an opportunity to undertake study projects under the JIGNASA – Student Study Projects.

We extend our deep sense of gratitude to our lecturer and research supervisor R.Srinivas, Lecturer in Botany, Department of Botany, Govt. Degree College, Kodangal ,Vikarabad district, who has guided us to research work with meticulous care and scholarly advise. He spent his valuable time, with keen interest, personal care and constructive suggestions at every stage of our research work , without which this study project would not have Seen the light of the day .

We owe a great debt of gratitude to Sri Dr. J, Rajaram Garu, our beloved principal of this college and man of reforms and ‘Smart-Techno-Savvy-Administrator’, for his constant motivation ,encouragement and constructive suggestions for completion of this project.

We express our sincere thanks to R. Srinivas, Lecturer in Botany, department of Botany For his suggestions and encouragement during the course of our research work .

We thank one and all for their encouragement and support given to us directly and indirectly to carry out this study project.

1. AKSHAYA,
2. SAMREEN
3. MANISHA KOIRALA,
4. SHRUTHI,
5. B.SATHYA NARAYANA,
6. BALA PRAKASH

INDEX

S No	Name of the Title	Page No
1	INTRODUCTION	06
2	REVIEW OF LITERATURE	06
3	HYPOTHESIS	07
4	AIMS AND OBJECTIVES	08
5	RESERCH METHODOLOGY	08
6	DATA COLLECTION	09
7	FINDINGS	11
8	CONCLUSIONS	15
9	SUGGESTIONS	15
10	FOLLOW UP ACTIVITY	16

SYNOPSIS

AIMS AND OBJECTIVES:

- To know the Diminishing Traditional knowledge regarding the practice and use of plants in the treatment of bone fractures, bone strengthening, pain relieving, inflammation and speedy recovery in kodangal rural area .
- To know the information about medicinal plant parts used and their ratios in mode of drug preparation procedure for traditional treatment by bone setter.
- To study the botanical identification of plant specimens used in traditional medicinal system of bone fractures.
- To make a document and analyse traditional knowledge of plants applied in treatment of bone fractures.
- To study the details the mode of diagnosis and treatment method for bone fractures.

RESEARCH METHODOLOGY:

STUDY AREA:

- ❖ The present work has been carried out at Kodangal area, Vikarabad district, Telangana state, on phytotherapeutic drugs in treating to bone fractures and other bone diseases. Because it is very popular and alternative treatment allopathic.

DATA ANALYSIS:

The study area is very popular for local traditional treatment to bone fracture and bone strengthening, bone setting and joint pains.

- We collected the data from practioner Sri Ramalingam gaaru, of Sanjeevani Bone Setting & Massage Therapy, in Kodangal area.
- Majorly Interview method and questionnaire devices are used to get the details about the fractures of bones and other diseases of bone, mode of diagnosis, storage, usage of plants, and mode of medicine preparations.
- At the end of interview, plant parts such as powders, others used in treatment had collected and preserved.
- The collected sample plants were identified with the help of local floras, previous literature and also with local practitioner.
- The information was recorded carefully for each plant particularly their local name, scientific name, parts used for diseases and tabled them,
- Repeated and cross queries had also been done for confirmation and verification of the information.

FINDINGS :

- we found mainly 30 genera plants belongs 22 families have been used in various types of bone fractures by therapist Sri Ramalingam Gaaru, Sanjeevani Bone Setting Centre, kodangal area.
- Majorly bark,leaves,fruits,seeds and some times whole plant (samulam)are taken for drug preparations which are collected from Srishailam forest and surrounding areas and also from our interviews we found treatment is continued and based on the X-ray reports and they will use always freshly prepared drugs.

MODE OF THE TREATMENT:

- Majorly two methods are includes in their medical administration such as External Administration and Internal Administration.
 - External Administration was carried out by Massage Therapy with plant extract paste, lepanalu, mustard oil and bamboo sticks applied to tied fractured bones for immobilization and bone strengthen.
 - Internal method is given by Ingestion/Oral Administration such as kashayam, and extract plant pellets.
 - The drug administration was given with goat milk, cow milk, honey ,jaggery, egg yolk, water, rice nukala flour and cow panchakam .
- We also found that the therapist gain this knowledge from their family heritage.
- Food restrictions such as lemon juice, tamarind soup, tamoto, brinjal, potato, Bengal gram flour, dal flour, red meat during treatment period had instructed by practitioner.

CONCLUSION:

- Mainly our selected area is very popular for bone fracture treatment and mainly 30 plant genera had been used in their treatment.
- We found also this treatment is very effective to cure various types of bone fractures and not only Kodangal area ,but also far of places like Karnataka, etc people had been visited this center because this is very low cost ,effective and permanent treatment.

SUGGESTIONS :

- To establish the Rural Traditional Health Centers at rural area by providing coaching to traditional practitioner and conserve it for future generations.
- Initiating the ' **certificate courses** 'on Traditional Medicinal System to preserve and sustain this traditional hereditary knowledge.

- There is a need for further research in screening of phytochemicals of these medicinal plants for a scientific evidence in the treatment of bone ailments.

FOLLOW UP ACTIVITY:

- In cities and other urban areas More awareness programs and such centres should be established for such treatments which can be more effective and alternative to allopathic treatment.



Summary :-

BSc BZC - III y & IV y - Students of five members had studied project work on medicinal plants used in treating Bone fracture at kodungal Area. In this regard students obtained knowledge about traditional treatment about Bone fractures and known the methods applied in treatments, and get the knowledge of Drug preparation and food restriction.

This project had selected for state level presentation and get participation certificate.

→ By this project, communication, coordination, cooperative skills and environmental skills and understanding abilities developed in students.

State Level presentation - 29-04-2022

GOVERNMENT DEGREE COLLEGE, KODANGAL

JIGNASA STUDY PROJECT 2021-22



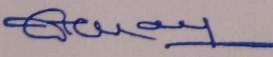


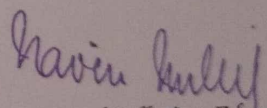
Government of Telangana
Commissionerate of Collegiate Education



Certificate of Participation

This certificate is awarded to R. Srinivas
Asst/Assoc. Professor of Botany GDC Kodangal
in recognition of his/her participation as
Teacher Mentor in Jignasa-Student Study Projects-State Level Presentation &
Selection in the subject Botany for the academic year 2021-22.


Academic Guidance Officer


Commissioner of Collegiate Education

Sponsored by State Project Directorate, RLISA

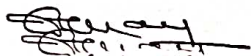


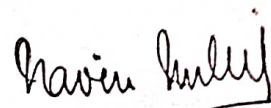
Government of Telangana
Commissionerate of Collegiate Education



Certificate of Participation

This certificate is awarded to Sathyanarayana
of GDC Kodangal in recognition of
his/her participation in Jignasa-Student Study Projects-State Level Presentation &
Selection for the academic year 2021-22.


Academic Guidance Officer


Commissioner of Collegiate Education

Sponsored by State Project Directorate, RUSA

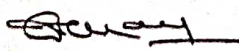


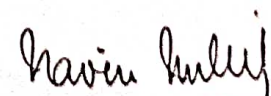
Government of Telangana
Commissionerate of Collegiate Education



Certificate of Participation

This certificate is awarded to Akshaya
of GDC Kodangal in recognition of
his/her participation in Jignasa-Student Study Projects-State Level Presentation &
Selection for the academic year 2021-22.


Academic Guidance Officer


Commissioner of Collegiate Education

Sponsored by State Project Directorate, RUSA

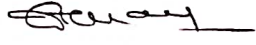


Government of Telangana
Commissionerate of Collegiate Education



Certificate of Participation

This certificate is awarded to Samreen Begum
of GDC Kodangal in recognition of
his/her participation in Jignasa-Student Study Projects-State Level Presentation &
Selection for the academic year 2021-22.


Academic Guidance Officer


Commissioner of Collegiate Education

Sponsored by State Project Directorate, RIISA

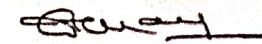


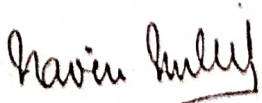
Government of Telangana
Commissionerate of Collegiate Education



Certificate of Participation

This certificate is awarded to Shruthi
of GDC Kodangal in recognition of
his/her participation in Jignasa-Student Study Projects-State Level Presentation &
Selection for the academic year 2021-22.


Academic Guidance Officer


Commissioner of Collegiate Education

Sponsored by State Project Directorate, RIISA

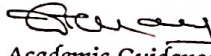


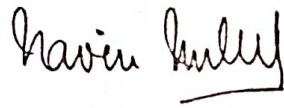
Government of Telangana
Commissionerate of Collegiate Education



Certificate of Participation

This certificate is awarded to Bala Prakash
of GDC Kodangal in recognition of
his/her participation in Jignasa-Student Study Projects-State Level Presentation &
Selection for the academic year 2021-22.


Academic Guidance Officer


Commissioner of Collegiate Education

Sponsored by State Project Directorate, RUSA

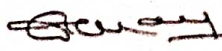


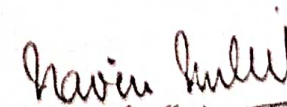
Government of Telangana
Commissionerate of Collegiate Education



Certificate of Participation

This certificate is awarded to Manisha Koirala
of GDC Kodangal in recognition of
his/her participation in Jignasa-Student Study Projects-State Level Presentation &
Selection for the academic year 2021-22.


Academic Guidance Officer


Commissioner of Collegiate Education

Sponsored by State Project Directorate, RUSA

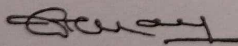


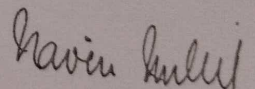
Government of Telangana
Commissionerate of Collegiate Education



Certificate of Participation

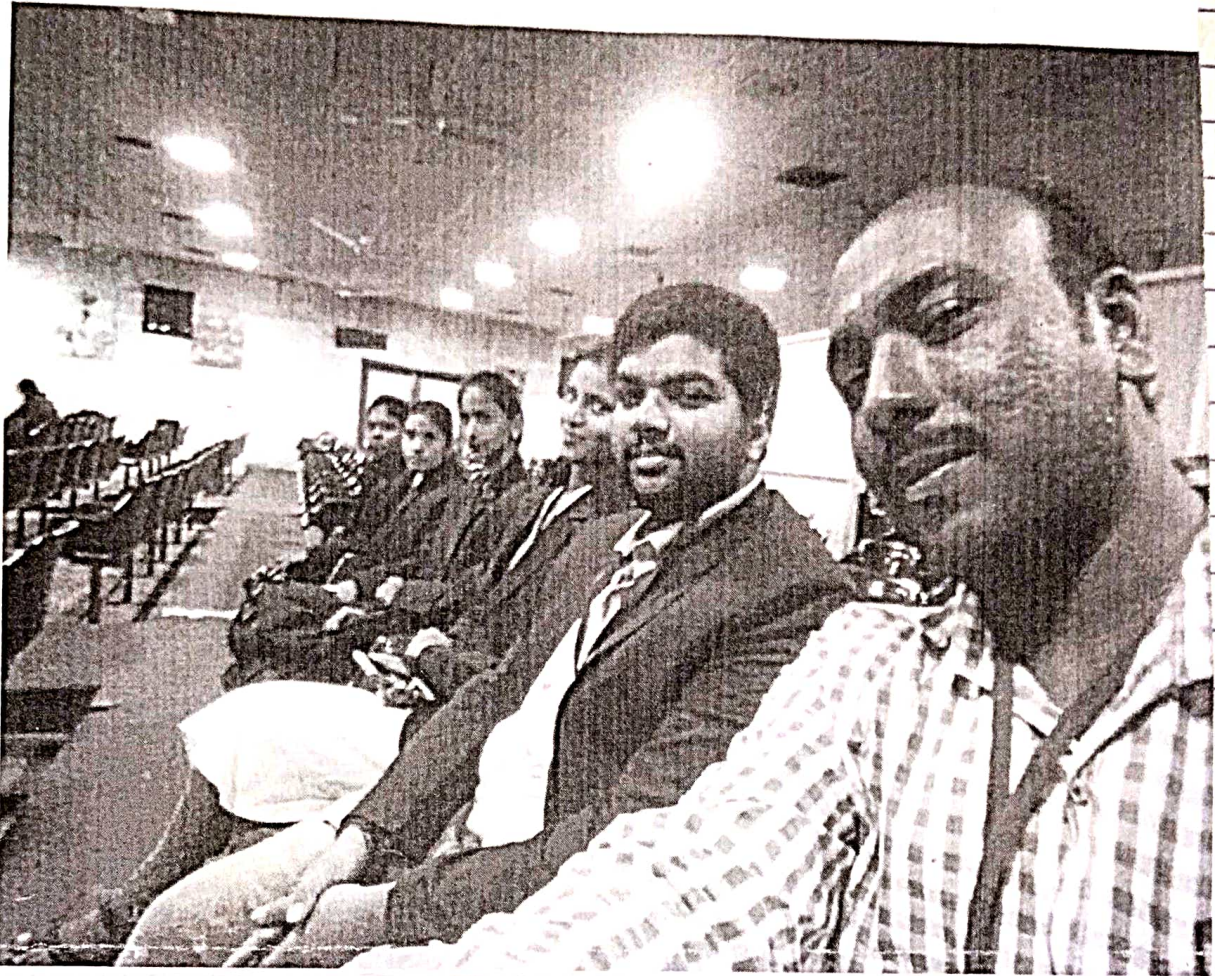
This certificate is awarded to R. Srinivas
Asst/Assoc. Professor of Botany GDC Kodangal
_____ in recognition of his/her participation as
Teacher Mentor in Jignasa-Student Study Projects-State Level Presentation &
Selection in the subject Botany for the academic year 2021-22.


Academic Guidance Officer


Commissioner of Collegiate Education

Sponsored by State Project Directorate, RLISA

TIGNASA STUDENT STUDY PROTECT



MM

Principal

Govt. Degree College
Kodungal, Dist. Vikarabad



Jignasa Presentation

7/4

Principal
Govt. Degree College
Kodangal, Dist. Vikarabad