



**K.L.E. SOCIETY'S
BASAVAPRABHU KORE ARTS, SCIENCE AND COMMERCE
COLLEGE, CHIKODI – 591 201.**

Accredited at A⁺ Grade With 3.42 CGPA in 4th Cycle

Website: klesbkcollegechikodi.edu.in ☎ : 08338 – 272176 Email: kles_bkcc@rediffmail.com

2.3.1 Students centric method , such as experimental learning ,participative learning and problem solving methodologies are used for enhancing learning experiences :-

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K.L.E. SOCIETY'S EST-1969
BASAVAPRABHU KORE ARTS, SCIENCE AND COMMERCE COLLEGE,
CHIKODI - 591 201.

Accredited at A⁺ Grade With 3.42 CGPA in 4th Cycle
Website: klesbkecollegechikodi.edu.in : 08338 - 272176 Email:
kles_bkec@rediffmail.com

Date: 20/02/2024

PG DEPARTMENT OF BOTANY
BK COLLEGE, CHIKODI

To
The Principal
BK college
Chikodi.

Sub: Regarding tour visit at Hiranyakeshi, near Amboli Maharashtra

Respected sir,

In reference to the subject cited above, we hereby request your kind-self to grant us permission to visit the Hirayankeshi, near Amboli Maharashtra scheduled on 21-02-2024. The said tour visit is part of the curriculum for ongoing M. Sc. I and III semester course. In this regard, a delegate of ten M.Sc. I and III semester students accompanied by two teaching staff members and one lab attender shall visit the said venue.

Thanking you,



Vidya
Yours sincerely,

Dr. Vidya Vinay Kamble.



THE CO-ORDINATOR
P. G. Department of Botany
B. K. College, Chikodi



PRINCIPAL
KLES'S Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI - 591 201

List of students and staff attending the tour visit the Hirayankeshi, near Amboli Maharashtra scheduled on 21-02-2024.

SL.No	Staff Name	Contact	Signature
1	Dr. Vidya V. Kamble	7483938162	Vidya
2	Dr. Sujata P. Shingare	6363877403	Sujata
3	Vinod S. Gijaganikan	9901106041	Vinod

SLNo	Student Name	Register number	Contact	Signature
1	Yashoda B. Kambar	PI5DM235028000	6362219021	Yashoda
2	Shambhavi M. Vishwakarma	PI5DM235028001	8971643631	Shambhavi
3	Siddham Y. Buzill	PI5DM235028003	8088690050	Siddham
4	Aishwary Patil	PI5DM235028004	9480095251	Aishwary
5	Muskhan A. Pakali	PI5DM235028005	9035786717	Muskhan
6	Prashant Uppar	PI5DM225028001	7829858488	Prashant
7	Ashweta Magadum	PI5DM225028002	7619561616	Ashweta
8	Shweta Koli	PI5DM225028003	9901499458	Shweta
9	Bismilla Kaladagi	PI5DM225028004	7353050512	Bismilla
10	Vanita Balikayi	PI5DM225028005	9606273682	Vanita



Rohit
 THE CO-ORDINATOR
 P.G. Department
 P.G. Department of
 B.K. College

Rohit
 PRINCIPAL
 KLE'S Basavaprabhu Kore
 Arts, Science and Commerce
 CHIKODI - 591



KLE SOCIETY'S

BASAVAPRABHU KORE ARTS, SCIENCE AND COMMERCE
COLLEGE, CHIKODI - 591 201

Phone No.: Office :08338- 272176

Residence: 08338- 272175

(REACCREDITED WITH "A+" GRADE BY NAAC BANGALORE)

Ref. NO Bot/Tour/23-24/

Date: 09-02-2024

Department of Botany

To,

The Principal
B. K. College,
Chikodi

Sub: Permission to conduct the study tour

Sir,

With respect to the above cited subject, I would like to bring it to your kind notice that students of B Sc. V semester Botany and BSC I semester have to attend the study trip for one day to study the types of nurseries and Mushroom cultivation methods and techniques. This is the part of their practical syllabus. In this regard we are taking I &V semester CBZ Students to KLE Society's Krishi Vigyan Kendra, Mattikoppa on 13-02-2024. The list of the students and staff is enclosed with this request letter.

Hence I request you to kindly permit us to take the students to the above said Botanical study trip.

Thanking You,

Yours Faithfully,

Principal
PRINCIPAL
KLES'S Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI - 591 201

Head of Department of Botany

List of students attending the study trip for KVK Mattikoppa

Sl. No.	Roll No.	Name of the students	Phone	Signature
1	18	AKSHATA MAHADEV KORE	7019548457	
2	25	ARPITA RAJU NAIK	7619691471	
3	35	DEEPA BASAPPA MANAGANVI	9591151153	D.P. Managanvi
4	40	KAVITA GANAPATI JADHAV	6360686153	
5	51	MADIHA MAHEBOOB MULLA	8660208284	
6	55	MAHANTESH GANAPATI DEVANAGOL	2357351157	
7	56	MEENAKSHI GIRIMALLA NAIK	9731599686	
8	64	MUZAFAR AYUB KALAIGAR	7022008785	
9	65	NAGESH APPASAB KAGAWADE	9008692001	
10	66	NAVYASRUSHTI DAMBAL	9901738391	
11	67	NAMRATA SIDDAPPA CHIMMAT	6364786997	
12	73	POONAM BALACHANDRA MALAGE	8792336028	
13	77	PRATIK ANIL MAGADUM	7259348108	
14	84	RAJASHREE MAHESH TIRODKAR	9008698891	
15	90	ROOPA REVAPPA DESAI	9019735426	
16	99	SANGEETA KALLAPPA BAMBALAWADE	9964726070	
17	115	SOURABH RENDALE	8867593079	
18	127	UTTAM SHRIPATI VARUTE	831004006	
19	130	VEENA LAXMAN MUSAGUPPI	9164873019	
20	134	VISHAL SANJEEV AIHOLE	9591096063	
21	135	YALLAKKA NAMADEV KHOT	80730093865	
22	138	LAXMI NAMADEV PAYAPPAGOL	8123291652	L.N. payappagol



PRINCIPAL
 KLES'S Basavaprabhu Kore
 Arts, Science and Commerce College
 CHIKODI - 591 201

KLE SOCIETY'S

BASAVAPRABHU KORE ARTS, SCIENCE AND COMMERCE

COLLEGE, CHIKODI-591201

P. G. DEPARTMENT OF BOTANY

M. Sc. I Semester



STUDY TOUR REPORT

Based on

- 1.2 Biodiversity and conservation biology-Field visit Forest ecosystem/wetland/a sacred grove
and
1.3 Systematic Botany of Angiosperms- Field visit to nearby floristically rich areas**

SUBMITTED TO:

RANI CHANNAMMA UNIVERSITY, BELGAVI

&

POST GRADUATE DEPARTMENT OF BOTANY

B.K. COLLEGE, CHIKODI

SUBMITTED BY:

Name: Muskan A Pakali

Reg. No.: P15DM23S028005

M.Sc. 1st Semester

2023-2024



KLE SOCIETY'S

BASAVAPRABHU KORE ARTS, SCIENCE AND COMMERCE

COLLEGE, CHIKODI-591201

POST GRADUATE DEPARTMENT OF BOTANY

M.Sc., I Semester

CERTIFICATE

This is to certify that, Shri/Miss./Mr. Muskan .Pakali,
Examination Register Number of P15DM235028005 1st Semester Post
Graduate Department of Botany, has satisfactorily completed the study tour as
prescribed in the syllabus by the Rani Channamma University, Belagavi during
the year 2023-2024.

Nidyal
25/4/24
In-charge of the Batch

Pakali
Co-ordinator

Date:

Examiners Signature with date: 1. K. G. S. D. 25/4/24

2. _____

Acknowledgment

We are the students of M.Sc. Botany I semester, are very much thankful to the Respected Principal, Dr. B G Kulkarni for giving us kind permission for the field study to Hiranyakeshi as a one day programme.

We extend our warm gratitude to the Co-ordinator and Head of the Post Graduate Department of Botany, Sri. R. R. Naik to permit us to visit Hiranyakeshi for study tour.

It is our duty to extend our thanks to our faculty members, Dr. Vidya Kamble and Dr. Sujata Shiragave for all the arrangements.

We are also thankful to the lab attender Shri. Vinod Gijaganavar for accompanying us during our study trip. We thank all the friends and others who made our trip educative and informative.

Study Tour Map



Tour Program Details

Date :21-02-2024

Duration : 1 day

Place :Hiranyakeshi, Amboli

Starting time :Morning 8:30 am

Returning time : Evening 8:30 pm

Vehicle : Private mini Bus

Students : M.sc 1st year students, I Semester

Total No. of students : 05

Name of the staffs:

1) Dr. Vidya Kamble

2) Dr. SujataShiragave

3) Shri.VinodGijagannvar (attender)

Introduction:

The purpose of the trip is usually observation for knowledge, non-experimental research, and it's increasing the knowledge about historical places, environmental things as well as it's provide experiences outside their everyday activities, such as going camping with professor's and classmates. The aim of this tour is to observe the nature in its natural state and as much as possible to collect the common plant material for future reference belongs to different taxonomic group like Gymnosperms and Angiosperms families.

In this field trip generally, we follow three steps they are as follows.

1. Preparation
2. Activities and
3. Follow-up activities.

Preparation applies to both the students and the professors. Professors often take the time to learn about the destination and the subject before the trip. Some activities in the field trips often include lectures demonstrations. Follow-up activities are generally discussions carried out in the classroom, once the field trip completed.

Preparation:

Preparation for the study trip was started one week before the commencement of the trip. The students were informed about the curriculum and the importance of the study trip. Our classmate collection of the tour expenditure and parents' consent letter and other activity for the smooth conduct of study tour. Then Dr. Vidya Kamble mam arranged the vehicle.

Finally a list of 05 students was ready along with two staff members of Post Graduate Department of Botany as the guiders of study trip. The date and time of the study trip was fixed with the consent of the Principal, Dr. B G Kulkarni, HOD of Botany Department Shri. R. R. Naik.

Under the guidelines of both faculty members of our department, students took the responsibility about afternoon meal arrangement and they carried meal items,

Activities:

The trip was started early in the morning on Wednesday, at 8:30 am. The entire trip was scheduled for the observation and collection of common plant materials for future reference belongs to different taxonomic groups like Gymnosperms and Angiosperm families.

Follow-up activities:

The plants observed during the trip are properly noted by the students in their field note book and the next day plants and notes were verified by

Visited places:

1. Hiranyakeshi temple Amboli

The temple is located in the Amboli village of Sindhudurg district, Maharashtra. It is dedicated to the goddess Hiranyakeshi, who is considered to be an incarnation of the Hindu goddess Parvati. It is the point from where Hiranyakeshi river originates. It is protected as sacred grooves as a result of religious and ritualistic practices. This area is covered by dense evergreen forest which is home for many wild varieties of angiosperms and gymnosperms.

2. Kavalashad point Amboli

It is 9km from Amboli. The main attraction of this point is reverse water fall means during rainy season if there is a wind flow in a valley then the water which is falling come up and its look like water is flowing in reverse direction. You can also observe that 6-7 hills join through the valley in the middle with more dense and evergreen trees and many faunal species are living there and we can also observe the more greenery in this region

Sacred Groves



Sacred groves are large vegetative areas rich in biodiversity, protected by communities living around them, often harbouring some religious and cultural importance. They function as sites for several valuable crops and medicinal plants, which act as a gene pool. It also helps in the wildlife conservation of vulnerable species.

One of the sacred we visited was Hiranyakeshi temple which is located in the Amboli village of Sindhudurg district, Maharashtra. It is dedicated to the goddess Hiranyakeshi, who is considered to be an incarnation of the Hindu goddess Parvati.

It is the point from where Hiranyakeshi river originates. It is protected as sacred grooves as a result of religious and ritualistic practices. This area is covered by dense evergreen forest which is home for many wild varieties of angiosperms and gymnosperms.

Importance of Sacred groves:

Sacred groves preserve a rich religious and socio-cultural heritage of Indian biodiversity from primeval times, due to their values. They act as a bridge between man and nature. Groves help to improve soil quality, replenish water resources and are pivotal for biodiversity conservation of plants and animals including rare, endemic, threatened, vulnerable species and ethnobotanical species. Most of India's sacred groves are associated with a deity or a spiritual being, who protects the grove and local people. Vegetation cover of these groves has traditional ethnobotanical value, especially in the field of ethnomedicine, which accounts for the conservation of groves over the years. Numerous plant species from sacred groves are used according to tradition and culture to prevent or cure various health problems. However, modernisation, industrialisation, increased encroachment and misuse of forest resources increasingly threaten sacred groves. These treasures of nature must be conserved by formulating and applying new laws and policies while creating awareness among people about the value of sacred groves.

Wetlands



A wetland is an area of land that is either covered by water or saturated with water. The water is often groundwater, seeping up from an aquifer or spring. A wetland's water can also come from a nearby river or lake. Seawater

can also create wetlands, especially in coastal areas that experience strong tides. A wetland is entirely covered by water at least part of the year. The depth and duration of this seasonal flooding varies. Wetlands are transition zones. They are neither totally dry land nor totally underwater; they have characteristics of both. The saturation of wetland soil determines the vegetation that surrounds it. Plants that live in wetlands are uniquely adapted to their watery (hydric) soil. Wetland plants are called hydrophytes. Seasonally dry wetlands or wetlands with slow-moving water can often support trees and other sturdy vegetation. More frequently flooded wetlands have mosses or grasses. Wetlands exist in many kinds of climates, on every continent except Antarctica. They vary in size from isolated prairie potholes to huge salt marshes. They are found along coasts and inland. Some wetlands are flooded woodlands, full of trees. Others are more like flat, watery grasslands. Still others are choked by thick, spongy mosses. Wetlands go by many names, such as swamps, peatlands, sloughs, marshes, muskegs, bogs, fens, potholes, and mires. Most scientists consider swamps, marshes, and bogs to be the three major kinds of wetlands.

Importance of Wetland:

Wetlands are areas where water covers the soil, or is present either at or near the surface of the soil all year or for varying periods of time during the year, including during the growing season. Wetlands are highly productive and biologically diverse systems that enhance water quality, control erosion, maintain stream flows, sequester carbon, and provide a home to at least one third of all threatened and endangered species. Wetlands are important because they: improve water quality provide wildlife habitat.

List of observed plants

Sr.no	Scientific Name	Family
1	<i>Nicotiana glauca</i>	Solanaceae
2	<i>Embelia tsjeriam-cottom</i>	Primulaceae
3	<i>Cyathocline pupurea</i>	Asteraceae
4	<i>Psydrax dicoccos</i>	Rubiaceae
5	<i>Gnidia glauca</i>	Thymeleaceae
6	<i>Pteris biaurita</i>	Pteridaceae
7	<i>Flemingia strobilifera</i>	Fabaceae
8	<i>Ficus glomerata</i>	Moeaceae
9	<i>Butea monosperma</i>	Fabaceae
10	<i>Syzygium hemisphericum</i>	Myrtaceae
11	<i>Bombax ceiba</i> L.	Fabaceae
12	<i>Woodfordia fruticosa</i> (L)	Oleacea
13	<i>Moullava spicata</i>	Fabaceae
14	<i>Cyclea peltata</i>	Menispermaceae
15	<i>Pogostemon deccanensis</i>	Lamiaceae
16	<i>Leea macrophylla</i>	Leeaceae
17	<i>Macaranga peltata</i>	Euphorbiaceae
18	<i>Hibiscus hispidissimus</i>	Malvaceae
19	<i>Lygodium spp.</i>	Lygodiaceae

20	<i>Carvia callosa</i>	Acanthaceae
21	<i>Crotolaria juncea</i>	Fabaceae
22	<i>Nothopodytes nimmoniana</i>	Icacinaceae
23	<i>Gossypium hirsutum L.</i>	Malvaceae
24	<i>Habenaria furcifera Lindl.</i>	Orchidaceae
25	<i>Melastoma malabathricum L.</i>	Melastomataceae
26	<i>Aerides crispa Lindl.</i>	Orchidaceae
27	<i>Leucas aspera (Wild) Link</i>	Lamiaceae
28	<i>Centella asiatica (L) Urban</i>	Apiaceae
29	<i>Caryota spp.</i>	Arecaceae
30	<i>Cyperus spp.</i>	Cyperaceae
31	<i>Symplocos cochinchinensis</i>	Symplocaceae
32	<i>Acacia concinna</i>	Fabaceae
33	<i>Colebrookea oppositifolia Sm.</i>	Lamiaceae
34	<i>Acmella uliginosa (Sw) Cass.</i>	Asteraceae
35	<i>Pandanus spp.</i>	Pandanaceae
36	<i>Pteris quadriaurita</i>	Pteridaceae

photo gallery:

Hiranyakeshi Temple



Kavaleasad Point





Acmella uliginosa



Gnidia glauca



Psydrax dicoccos



Flemingia strobilifera



Strobilanthe simonsii



Symplocus cochichinensis



Centella asiatica



Melastoma malabathricum



Cyathocline Purpurea



Colebrookea oppositifolia



Acacia coccinna



Pteris biaurita



Embelia tsjeriam-cottom



Pteris quadriaurita



Hibiscus hispidissimus



Pandanus spp.



Helianthus Cusickii



Butea monosperma

Conclusion

Finally, we joyfully and successfully completed our study tour by the support of everyone. In this great moment we got the huge knowledge about plants, animals, habitats, falls, and historical and mythological temples. So, we are thank full to our Head of Department and PG coordinator **Shri. R. R. Naik** sir, **Dr. Vidya Kamblemam**, **Dr. Sujata Shiragave** mam for giving a great opportunity. We also thanks to Shri. Vinod gijagnnvar (Attender), our friends and who helped to complete this tour report directly or indirectly.

nlidgab
23/4/24

Staff -Incharge

Naik

Coordinator



K.L.E.Society's



Basavaprabhu Kore Art's, Science and Commerce College,

Chikodi - 591 201

P.G. DEPARTMENT OF BOTANY

FIELD EXCURSION TO AN INDUSTRIAL AREA

TO ASSESS ENVIRONMENTAL IMPACT

Rani Channamma University Belagavi

MASTER OF SCIENCE

IN

BOTANY

4th Semester

Submitted by

Geeta . P. Mannikeri

Reg. No: P15DM2150008

Accomplished By

Dr. VIDYA V. KAMBLE

DEPARTMENT OF POST GRADUATION STUDIES IN BOTANY

KLE SOCIETY'S BASAVAPRABHU ARTS, SCIENCE AND

COMMERCE COLLEGE CHIKODI , BELAGAVI 591201

2023

CERTIFICATE

This is to certify that ~~Mr~~/Miss Geeta . P. Mannikeri
(Reg. No PISDM2150008) of MSc Botany IV Semester has satisfactorily
completed Project entitled report on "FIELD EXCURSION TO AN
INDUSTRIAL AREA TO ASSESS ENVIRONMENTAL IMPACT." (as per
syllabus of Rani Channamma University, Belagavi) for the academic year
2023.

Place - Chikodi

Date - 20/11/23


Project In-charge


The Co-ordinator

ACKNOWLEDGEMENT

In the accomplishment of this report successfully, many people have best owned upon me with their blessings and the heart pledged support, this time I am utilizing to thank all the people who have been concerned with this report.

Primarily I would like to thank our Principal Sir Shri U.R.Rajput for their support and believe towards us. Secondly, I would like to thank our co-ordinator & our HOD Sir, Shri R. R. Naik for their guidance, contributions and for being always supportive. Then I would like to thank our Professors Dr. Vidya V. Kamble, Dr. Sujata Shirgave Patil, Mr. Aditya Jain Lengade for being with us, guiding us and for helping us in all the aspects one or the other way, valuable guidance and support towards completion of this report work.

I would like to thank Dr. Vidya V. Kamble for her on field assistance regarding taxonomical studies and issues related to environmental impact on vegetation.

Then I would like to thank our parents and friends who have helped us in various phases of the completion of the report work.

Heartfelt Gratitude to all those, who helped us in many ways to make our report a success. Last but not the least I would like to thank each and every one who has knowingly or unknowingly helped us in our work.

INTRODUCTION

Environmental impact assessment (EIA) is the evaluation of the effects likely to arise from a major project (or other action) significantly affecting the environment. It is a systematic process for considering possible impacts prior to a decision being taken on whether or not a proposal should be given approval to proceed.

Environmental Impact Assessment (EIA) is a tool oriented towards the management of the territory, which is used to investigate environmental changes caused by constructions such as roads, industrial plants, etc.

EIA provides the mechanisms for development proposals to be amended where necessary, and likely adverse impacts ameliorated. Although EIA may lead to the abandonment of certain proposals, its focus is more strongly on the mitigation of any harmful environmental impact likely arises.

Its primary objective is to generate information on the likely impacts on all aspects of the environment.

It is the process of assessing proposed action for their likely effects for all the aspects of the environment before decisions are taken to commit to these actions and developing appropriate responses to the issues identified in the assessment.

The original objective of EIA is to generate relevant data and therefore information which must be used in the decision making processes of environmental agencies and such should be well documented.

The aim of this research is to assess the environmental impact of industrial projects to the surrounding areas and the impact to the environment.

INDUSTRIAL AREA- SINNAR BIDI HALSIDNATH SUGAR FACTORY RD,NIPANI
,KARNATAKA 591237



Nipani, Karnataka, India
Sinnar Bidi, Halsidnath Sugar Factory Rd, Nipani, Karnataka 591237, India
Lat 16.429619°
Long 74.365529°
19/08/23 12:01 PM GMT +05:30

Students Visit To Study Area

•METHODODOLOGY

In Nipani area (sinnar bidi , Halsidnath Sugar Factory) . The study was carried out in the selected region near the industrial area, some of the plants were taken back laboratory for further identification. Materials used during collection of species were forceps,gloves, bottles , plastic bags , needle, newspaper,hand lens, mobile. All the photographs of the region were captured using.

RESULT AND DISCUSSION

General Observation In Industrial Area

- Moist Area: Some of the plants like Mimosa, Iphigenia, Riccia, Ferns, Bryophytes are indicating the moist area.
- Marshy Area: Some of the plants are growing in marshy area where the small streams are flowing. Typha indicates the heavy metal pollution in water.
- Disturbed Area: Some of the plants like *Lantana*, *Cassia* spp., *Tridax* spp., are indicating disturbed area or Habitat.
- Habitat: Herbaceous layer, near the industrial area less ground vegetation.
- Shrubby And Larger Tree's: As we move away from the industrial area the shrubby vegetation is dominant and little patch of tree's and most of them are planted.
- Dust deposition on the surface of the leaves (*Pongamia pinnata*)
- Black colour carbon soot on leaves, stem and branches. (*Tectona grandis*)
- Reduced leaf size (*Pongamia pinnata*)
- Necrosis of leaf tissue, curling of leaf, leaf galls.
- Species distribution changes from Habitats to Habitats.
- Larger pond, where the source of the water is rain water. Pond with more pollutants like a plastics, paper wastes, clothes, oil wastes, glass wastes. The colour of the water is dark brown colour and some part is polluted by petroleum wastes.

Table 1 :- Contains Observed Plant Species In The Visited Area For The Study Purpose.
 Industrial Area -Sinnar Bidi ,Halsidnath Sugar Factory Rd , Nipani, Belagavi District
 Kamataka.

Sl No.	Name of the species	Family of the species
1	<i>Commelina communis</i>	Commelinaceae
2	<i>Cucumis sativus</i>	Cucurbitaceae
3	<i>Bauhinia variegata</i>	Fabaceae
4	<i>Impatiens balsamina</i>	Balsaminaceae
5	<i>Pongamia pinnata</i>	Fabaceae
6	<i>Cassia tora</i>	Leguminosae
7	<i>Santalum album</i>	Santalaceae
8	<i>Tectona grandis</i>	Lamiaceae
9	<i>Zea mays</i>	Poaceae
10	<i>Ameranthus deflexus</i>	Ameranthaceae
11	<i>Cyperus rotundus</i>	Cyperaceae
12	<i>Alternanthera</i>	Ameranthaceae
13	<i>Dalbergia sisso</i>	Fabaceae
14	<i>Parthenium</i>	Asteraceae
15	<i>Breynia disticha</i>	Phyllanthaceae
16	<i>Cynodon dactylon</i>	Poaceae
17	<i>Ipomoea calrica</i>	Convolvulaceae

THE OBSERVED PLANT SPECIES PHOTOS ARE AS FOLLOWS:

1) PLANT SPECIES FOUND NEAR THE INDUSTRIAL AREA



Cucumis sativus



Zea mays



Cassia tora



Cyperus rotundus



Santalum album



Cassia tora



Pongamia pinnata



Cassintha coccinea



Ipomoea cairica



Alternanthera



Impatiens balsamina



Cynodon dactylon

•CONCLUSION

From this study, we assesses the impact of industry on the ecosystem , how it is affecting the ecosystem , biodiversity with respect to that specific area.



K.L.E. Society's

Basavaprabhu Kore Arts, Science and Commerce College,
Chikodi-591201

Industrial Visit Report-2022-23

Parle Agro Products Pvt. Ltd. Hubli



Organised by

Department of Chemistry

to

B.Sc. VI Semester Students

on

1st September, 2023



Student Roll. No: 174

Exam Reg. No. : 92018383



K.L.E. Society's
Basavaprabhu Kore Arts, Science and Commerce College,
Chikodi - 591 201

Certificate

This is to certify that Mr/Miss. Vanishree. Hanamant. Bhajantri
of B.Sc. VI semester has attended study tour to Parle Agro Products Pvt. Ltd. Hubli conducted
by the Chemistry department on 1st September, 2023 as a part of the prescribed course of
study during the year 2022-23.

Staff Member In-charge

valued

Head of the Department

Department of Chemistry
B. K. College, CHIKODI - 591 201

① MKR 07.09.23

②

PREFACE

As a part of curriculum, The Industrial Visit during the year 2022-23 for B.Sc. Final year students was arranged to **Parle Agro Products Pvt. Ltd. Hubli.**

Located at Industrial are Hubli, mainly it produces Parle G biscuits. We were 108 students visited factory from our College. The following Professors were visited Factory along with students.

- Dr. S. M. Patil
- Mr. Shantinath Latthe
- Dr. Suresh Kumbar

On 1st September, 2023 we left B.K. College campus at 7.30 am and reached factory at 11:00 am. From 11:00 am to 02:00 pm we studied the process in the factory.

ACKNOWLEDGEMENT

We are deeply Thankful to the Principal **Prof. U .R. Rajput** Sir, without whose guidance and Cooperation our tour would not have been possible.

Our sincere gratitude to Head of Department **Shri. S. S. Patil** Sir for giving us Permission to go for Industrial visit.

We also express our sincere gratitude to **Dr. S. M. Patil , Mr. S. S. Lathe, & Dr. Suresh Kumbhar** who has taken a lot of efforts for getting success at each and every step and coming along with us.

We will like to thank our college for being supportive all the time and giving such a good opportunity to see and interact with the corporate world in college life itself.


Yours Faithfully,

INTRODUCTION

Parle Products has been India's largest manufacturer of biscuits and confectionery for almost 80 years. Makers of the world's largest selling biscuit, Parle-G, and a host of other very popular brands, the Parle name symbolizes quality, nutrition and great taste. With a reach spanning even to the remotest villages of India, the company has definitely come a very long way since its inception.



Many of the Parle products - biscuits or confectioneries, are market leaders in their category and have won acclaim at the Monde Selection, since 1971. With a 40% share of the total biscuit market and a 15% share of the total confectionary market in India, Parle has grown to become a multi-million dollar company. While to the consumers it's a beacon of faith and trust, competitors look upon Parle as an example of marketing brilliance.

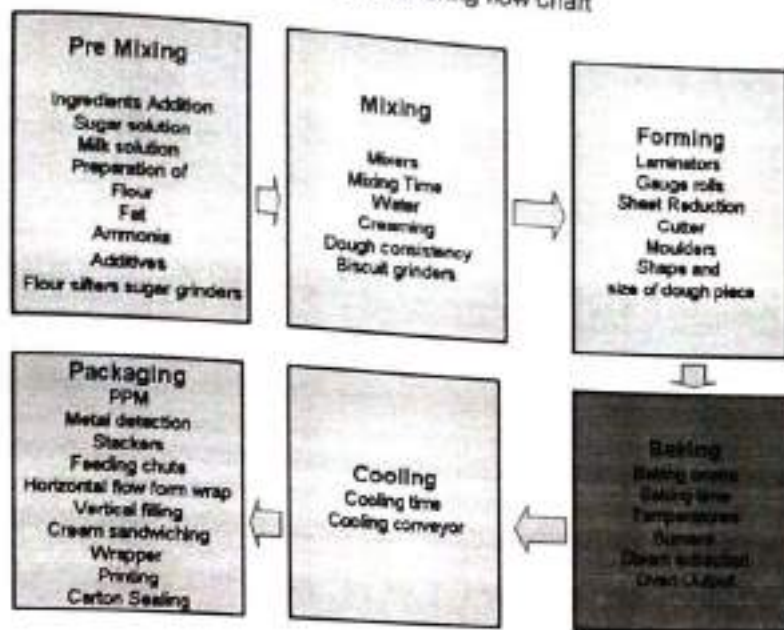
Over the years Parle has grown to become a multimillion-dollar company with many of the products as market leaders in their category. Parle Products began manufacturing biscuits, in addition to sweets and toffees. Having already established a reputation for quality, the Parle brand name grew in strength with this diversification. Parle Glucose and Parle Monaco were the first brands of biscuits to be introduced, which later went onto become leading brand names itself for great taste and quality.

Today, the great strength of Parle Products is the extremely widespread distribution network. Even at the remotest places, you can buy Parle biscuits and sweets from the local grocer. It has taken years to create this extensive network. Parle's sales force started with one salesman in Bombay and some agents in few other cities. Gradually, Parle Products expanded. Soon sweets and biscuits were being sent by rail to Calcutta, Delhi, Karachi, Madras and other major cities. As production increased, distribution was amplified. Full time salesmen were appointed in different areas. Currently, Parle Products has over 33, 00,000 distribution outlets.

Hygiene is the precursor to every process at Parle. From husking the wheat and melting the sugar to delivering the final products to supermarkets and store shelves nationwide, care is taken at every step to ensure the best product of long-lasting freshness. Every batch of biscuits, confectioneries & snacks are thoroughly checked

Method of Making of Parle G Biscuits

Biscuit manufacturing flow chart



MIXING PROCESS

- The quantity of manufacturing biscuit in proportionate in that ratio Raw Materials mixed in mixer machine.
- Mixing of Raw Materials process continuous for 3 minutes 20 seconds
- The mixing process continue automatically and it is operated by two person.if one person went for lunch or any reason that time his partner can handle all machinery.

MOLDING PROCESS

- After completed mixing process all the mixed materials go on cutting machine.
- The cutting machine cut the biscuit and are rolled by machine and the company logo of Parle -G is being printed on biscuits.
- The company molding 10,000 biscuits per minute
- Here all biscuits got a particular shape which is attracted to customers
- After molding process, moving belt is carrying all biscuits for baking process.

BAKING PROCESS

After completing molding process all biscuits are being put in oven for baking process. In oven there are three processes.

PHOTO GALLERY





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ಸನ್ಮಾನ್ಯ ಶ್ರೀ ಸಭಾಪತಿಗಳು | ಬೆಂಗಳೂರು |

ಕರ್ನಾಟಕ ವಿಧಾನ ಪರಿಷತ್

ಸುವರ್ಣ ಸೌಧ, ಬೆಂಗಳೂರು.

ಅನುಮತಿ ನೀಡಿದೆ
ತಪಾಸಣೆ ಮಾಡಿಬಿಡಿದೆ.

ವಿಷಯ : ವಿಧಾನ ಪರಿಷತ್ ಕಾರ್ಯ ಕಲಾಪ ವೀಕ್ಷಿಸಲು ಅನುಮತಿ ಕೊಡುವ ಕುರಿತು
ಮಾನ್ಯರೆ,

ಸೂಚಿತ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಚಿಕ್ಕೋಡಿಯ ಕೆ.ಎಲ್.ಇ ಸಂಸ್ಥೆಯ, ಬಸವಪ್ರಭು ಕೋರೆ ಕಲಾ
ವಿಜ್ಞಾನ ಮತ್ತು ವಾಣಿಜ್ಯ ಪದವಿ ಮಹಾವಿದ್ಯಾಲಯದ, M.Com ವಿಭಾಗದ 20 ವಿದ್ಯಾರ್ಥಿಗಳು ವಿಧಾನ ಪರಿಷತ್
ಕಾರ್ಯ ಕಲಾಪ ವೀಕ್ಷಿಸಲು ನಮ್ಮ ಮಹಾವಿದ್ಯಾಲಯದ ವತಿಯಿಂದ ಕಳುಹಿಸಿಕೊಡಲಾಗುತ್ತಿದೆ. ಕಾರಣ ತಾವು ಅವರಿಗೆ
ಆವಕಾಶವನ್ನು ಕಲ್ಪಿಸಿಕೊಡಲು ಹಾಗೂ ಕಲಾಪವನ್ನು ವೀಕ್ಷಿಸಲು ದಿನಾಂಕವನ್ನು ನಿಗದಿಪಡಿಸಿಕೊಡಬೇಕೆಂದು
ವಿನಂತಿಸಿಕೊಳ್ಳುತ್ತೇನೆ.

ಧನ್ಯವಾದಗಳೊಂದಿಗೆ,

ದಂಡನಾಯಕರು
ಕರ್ನಾಟಕ ವಿಧಾನ ಪರಿಷತ್
ವಿಧಾನಸೌಧ, ಬೆಂಗಳೂರು

ಪ್ರಾಚಾರ್ಯರು
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ಸನ್ಮಾನ್ಯ ಶ್ರೀ ಸಭಾಪತಿಗಳು | ಡಾ. ಕೆ.ಎಚ್.ಎಲ್.

ಕರ್ನಾಟಕ ವಿಧಾನಸಭೆ

ಸುವರ್ಣ ಸೌಧ, ಬೆಳಗಾವಿ.

ವಿಷಯ : ವಿಧಾನಸಭಾ ಕಾರ್ಯ ಕಲಾಪ ವೀಕ್ಷಿಸಲು ಅನುಮತಿ ಕೊಡುವ ಕುರಿತು
ಮಾನ್ಯರೆ,

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ವಿನಂತಿಸಿಕೊಳ್ಳುತ್ತೇನೆ.

ಧನ್ಯವಾದಗಳೊಂದಿಗೆ,

ದಿನಾಂಕ: 11/12/2023 ರಂದು
ಅನುಮತಿ ನೀಡಿದೆ
ತಜಾಸಣೆ ಮಾಡಿ ಒಳಗೆ ಬಿಡಿ


ದಂಡನಾಯಕರು
ವಿಧಾನ ಸಭೆ ಸಚಿವಾಲಯ


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PG Department of Commerce

Date: 11/12/2023

Visit to Suvarna Vidhana Soudha, Belagavi

List of the Students

Sl No.	Name of the Students	Class
1	Arati Desai	M.Com II
2	Deepa Yashwant	M.Com II
3	Kareena Makandar	M.Com II
4	Laxmi Kulagude	M.Com II
5	Laxmi Pujeri	M.Com II
6	Pallavi Asangi	M.Com II
7	Pooja Desai	M.Com II
8	Poomima Bagi	M.Com II
9	Pradnya mali	M.Com II
10	Pratibha Mayappanavar	M.Com II
11	Savitri Uppar	M.Com II
12	Seema Yadawad	M.Com II
13	Shruti Karnawadi	M.Com II
14	Shweta Ambi	M.Com II
15	Snehal Jadhav	M.Com II
16	Tashwini Metrani	M.Com II
17	Vidya Konganoli	M.Com II
18	Vinaya Pawar	M.Com II
19	Sunita Akkatangerhal	M.Com II
20	Snehal Jadhav	M.Com II



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PG Department of Commerce

Date: 04-12-2023

NOTICE

All the M.Com students are hereby informed that the 10 days winter session of the karnataka state legislature will commence on December 4 at Suvarna Vidhana Soudha, Belagavi so, we have planned to attend the same for one day. Hence interested students can enroll your name on or before 05-12-2023.


HOD
HEAD

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PG Department of Commerce

Date: 11/12/2023

Visit to Suvarna Vidhana Soudha, Belagavi

ATTENDANCE SHEET

Sl No.	Roll No.	Name of the Students	Signature
1	23	Vinaya M Pawar	V. M. Pawar
2	18	Shweta. M. Ambi	S. M. Ambi
3	01	Arati R. Desai	A. R. Desai
4	06	Laxmi .M. pujari	Laxmi
5	11	Poornima. B. Bagi	P. Bagi
6	16	Seema .H yadavwad	S. H. yadavwad
7	21	Teswini . Y. Me-furani	T. Y. Me-furani
8	15	Savitri . M. Uppar	Savitri
9	9	Pallavi , R, Asangi	P. Asangi
10	12	Pradnya .S. Mali	P. Mali
11	24	Eusita . A. Akkatarangwal	E. Akkatarangwal
12	22	Vidya .S. konganali	V. S. konganali
13	20	Shital D. Jadhav	S. Jadhav
14	07	Molasma . P. Mulla	M. Mulla
15	017	Shruti . Karonawadi	S. Karonawadi



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**IQAC INITIATIVE
PG Department of Commerce**

Title of the Program	Visit to Suvarna Vidhana Soudha, Belagavi
Date	11-12-2023
Participants	15
Objectives	<ul style="list-style-type: none">• To know legislature ruling party and opposition party responsibilities• To know how government bills and private bills will be passed• To know the legislatures and its proceedings• To know the nature and functions of executive department
Summary of the Proceedings	<p>The Second session of the 16th Vidhan Sabha commenced on December 4 and concluded on December 15 at the Legislative Assembly hall of Suvarna Vidhana Soudha, Belagavi. With the above mentioned objectives PG Department of Commerce has visited Suvarna Vidhana Soudha, Belagavi on 11-12-2023. 15 students and 2 staff members were attended the same. Students came to know about legislature ruling party and opposition party responsibilities, how government bills and private bills will be passed and legislatures & its proceedings. Students have also understood the nature and functions of executive department. Students felt very happy as they have witnessed the live sessions of legislative assembly and legislative council.</p>




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Department of Commerce


IQAC Coordinator
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DEPARTMENT OF ENGLISH
STUDENT SEMINAR DETAILS: Even Semester : 2023-2024

Sl. No.	Roll No.	Sem	Name of the Student	Title of the Paper	Date/ Time	No. of Students Present
1	01	II	Shrushti Kandagave	Post Independence Poetry	3/07/24	8
2	05	II	Laxmi Malage	Train to Pakistan- Critical Analyses	3/07/24	8
3	12	II	Reshma Naik	Train to Pakistan Summary	4/07/24	8
4	70	II	Suraksha Hiremath	Post – Independence Novelists	4/07/24	8
5	34	II	Pooja Malage	Introducing Writers of the Post-Independence Era	4/07/24	7
6	35	II	Muktabai Dasar	Character List – Train to Pakistan	4/07/24	7
7	57	II	Aishwarya Doddamani	Seven Steps Around the Fire	6/07/24	7
8	53	II	Rohini Kamble	Train to Pakistan – themes	6/07/24	7
9	73	II	Seema Gujaral	Seven Steps around the Fire	6/07/24	7
10	72	II	Sapna Kapali	Khushwant Singh	6/07/24	7
11	27	II	Sakshi Banasode	An Introduction by Kamala Das	24/07/24	10
12	08	IV	Anuja Mhetre	Qeer Studies-LGBT	27/07/24	7
13	02	IV	Aishwarya Shastri	Gajar Halwa	27/07/24	7
14	36	IV	Mallika Asode	The Peacock – Sujata Bhatt	27/07/24	7
15	94	IV	Prajakta Meghannavar	Tribute to Papa – Mamata Kaliya	27/07/24	7

16	46	IV	Prachi Jogale	The Peacock	31/07/24	6
17	82	IV	Usha Dandinnavar	Dichotomy	31/07/24	6
18	50	IV	Priya Jiragyal	Three Thousand Stitches	31/07/24	6
19	42	IV	Nilambari Katti	Gajar Halwa	31/07/24	6
20	49	IV	Prerana Shende	Gender	31/07/24	7
21	45	IV	Pooja Dholle	Patriarchy	31/07/24	7
22	83	IV	Veena Varma	A Request	1/08/24	9
23	08	IV	Anuja Mhetre	Romantic Poetry	3/08/24	8
24	02	IV	Aishwarya Shastri	Romantic Prose	3/08/24	8
25	46	IV	Prachi Jogale	On Going on a Journey	3/08/24	9
26	82	IV	Usha Dandinnavar	Ode on a Grecian Urn	3/08/24	9
27	50	IV	Priya Jirgyal	Oxford Movement	3/08/24	9
28	36	IV	Mallika Asode	Modern Prose	3/08/24	9
29	83	IV	Veena Varma	Characteristics of Romantic Age	3/08/24	9
30	49	IV	Prerana Shende	Romantic Age – Prose	3/08/24	9
31	42	IV	Nilambari Katti	Going on a Journey	3/08/24	9
32	45	IV	Pooja Dholle	Victorian Poetry	5/08/24	9
33	94	IV	Prajakta Meghannavar	Dover Beach	5/08/24	9
34	51	VI	Priyanka Pujari	Landmarks in the History of English Language	1/08/24	2
35	64	VI	Sakshi Madihalli	Language Development	1/08/24	2
36	23	VI	Jyoti Gudase	Indo-European Family language	1/08/24	2

37	50	VI	Prerana Bagewadi	Bible Translation	1/08/24	2
38	64	VI	Sakshi Madihalli	She by Lakshmi Kannan	7/08/24	4
39	23	VI	Jyoti Gudase	A Cup of Tea	7/08/24	4
40	50	VI	Prerana Bagewadi	Palanquin Bearer	7/08/24	4
41	51	VI	Priyanka Pujari	Two Words	7/08/24	4
42	64	VI	Sakshi Madihalli	The Gentleman of the Jungle	10/08/24	4
43	50	VI	Prerana Bagewadi	The Danger of a Single: Chinamanda Adichie	10/08/24	4
44	23	VI	Jyoti Gudase	Macauly's Minutes	10/08/24	4
45	51	VI	Priyanka Pujari	The Empire Writes Back	10/08/24	4

ABSTRACT

On 11 days, seminars were conducted.

45 Students gave seminars on the topics of their choice.

Second semester: 11 students gave seminars.

Fourth semester: 22 students gave seminars.

Sixth semester: 12 students gave seminars.

(Signature)
HOD
Head
Department of English

(Signature)
Principal
Basavaprabha College
Science and Commerce
CEKODI - 575120

K. L. E. Society's

Basavaprabhu Kore College

Arts, Science & Commerce

SEMINAR PAPER

Name : Priyanka . K Pujari.

Class : BA VI Sem.

Roll no. : 51

Subject : History of English language
DSC - 13.

Submitted to : Department of
English.



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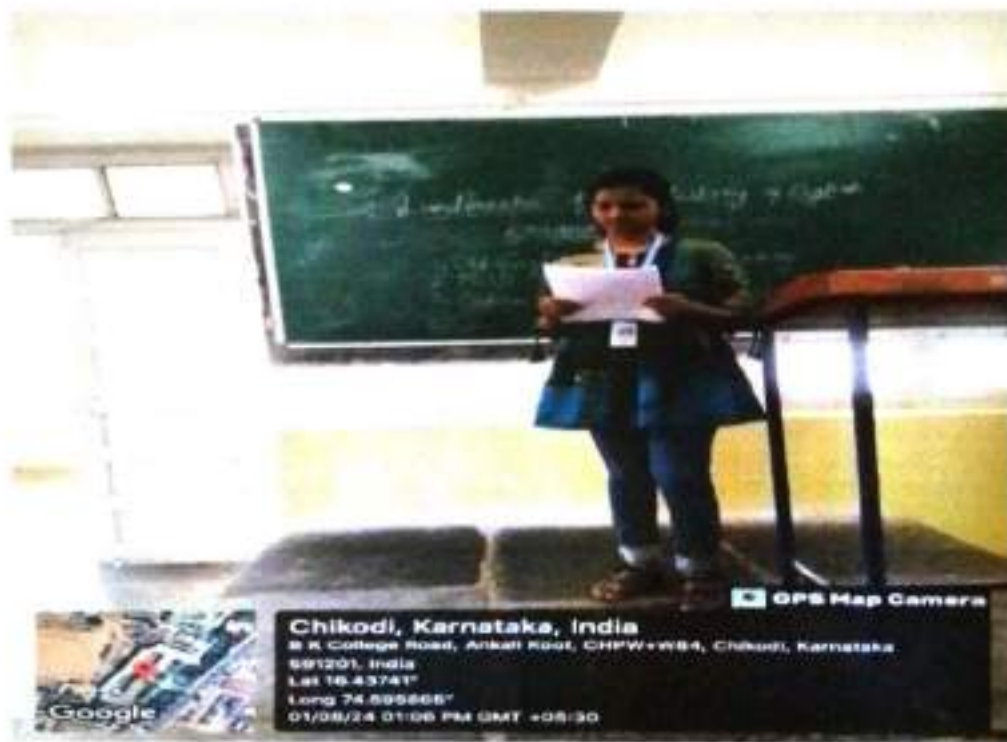
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Ref No.: EST 2023/24

DEPARTMENT OF ENGLISH

2023-24

Class Seminar: B.A. VI Sem DSC-13



Name : Poojanka - k. Pujari.

Roll no. : 51

HOD

Principal

Landmarks of the History of English Language.

* Introduction :-

Language is a natural human growth, partly mental and partly physical. It never ceases to change, but is a continuing development in a constant state of flux. All languages are evolutionary. They are dynamic in nature. Language grows gradually but slowly. English is not an exception to this nature. When we study the history of English language, we come to know that it has been developing step by step.

This development is divided into periods according to the nature and characteristics of English language. English language has been divided into 3 parts or periods for our convenience, they are :-

1. The Old English Period (5th to 11th Century)
2. The Middle English Period (1150 to 1450).
3. The Modern English Period (1500 to Present day).

However, the modern English is divided into 2 groups. They are Early Modern English (15th to 17th century) and the Later Modern English (17th century onwards).

The English language belongs to the West Germanic branch of the Indo-European family of languages.

* Characteristics of Modern English Period :-

- * The spelling become more or less fixed in its present form and there are exceptionally marked changes in pronunciation.
- * The Renaissance introduced many Latin elements.
- * There ~~is~~ was almost complete loss of the levelled inflexions and so the period is called the period of lost inflexions.
- * Further fixation of word order followed with the increased development in the use of prepositions and phrases.

There are almost complete transformation in the pronunciation of the vowels between ~~14~~ 1415 to 1700. English vowels came to assume their present sounds. Spelling becomes largely symbolical of thought and things rather than a phonetic presentation of the actual sounds.

Thus English language has developed slowly but surely to be capable to become the world language.

KLE Society's

Basavaprabhu Kore Arts,
Science and Commerce College

Chikodi

2023 - 2024

SEMINAR REPORT

Department of Botany

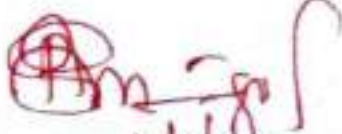
Name : Anupama Anil patil

Class : Bsc-II sem

Roll no : 50

Sub : Botany

Submit to : Shradha mam


10/8/2024

* Spirulina cultivation :-

• What is spirulina →

Spirulina is a type of naturally occurring blue-green micro algae which can be grown in warm water alkaline water conditions. Spirulina can be grown in wild waters and at home (indoors).

• Spirulina uses and health benefits →

- 1) Spirulina strengthens the immune system.
- 2) It improves the digestion.
- 3) It can prevent from certain type of cancers.
- 4) It is good for women and children since it contains easy to absorb iron supplements.

• Parameters for growing spirulina →

- 1) Light: Growing area (tank/pools/basins) should have proper sunlight as spirulina is like a plant and need light to survive.
- 2) Temperature: Requires temperature maintenance in tanks for maximum yield.
- 3) The agitation: Frequent agitation should be carried out to ensure all the spirulina filaments have access to CO_2 & light.
- 4) The cultural medium: Ensure to have tight culture medium and perfect water for better growth and high yield.

• Methodology

Requirements to grow spirulina →

→ We require thermometer, air pump (for agitation), water pump for circulation, pH meter, electric water heater and any LED lights.

→ plain water may not be good option for growing spirulina, so you need to buy minerals for better growth of algal. This food or cultural medium is mandatory for growing this super food.

→ Plain filtered water + sodium bicarbonate + magnesium sulphate + potassium nitrate + citric acid + common salt + urea + calcium chloride + Iron sulfate + Ammonium sulphate make the perfect cultural medium.

→ spirulina thrives best in warm temperatures and ideal temperature for its growth is between 38 degrees celcius. Though this can tolerate low temperatures.

• Harvest and post-harvesting in spirulina growing →

→ After 2 to 3 weeks spirulina will be ready to pick. use any small and clean plastic buckets or a mesh to collect the algae and pour the algae into a mounted filter. This can squeeze/drain the excess water from harvested algae subsequently, the drained spirulina should be wrapped in a clean muslin cloth.

→ Press the drained material under a weight of 40 to 50 kg to further drain the moisture from material. now you can put in like noodle manufacturing machines and squeeze in the form of noodles on a dry, clean cloth under the sun. Allow this



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PG DEPARTMENT OF BOTANY

Semester I - Assignment and Seminar Topics: 2023-24

Sl No	Registration number	Name	Topics	Signature of the candidate
1	P15DM23S028004	Aishwarya S. Patil	APG system of classification	
2	P15DM23S028001	Shambhavi M. Vishwakarma	Origin and evolution of RNA world	
3	P15DM23S028003	Sidram Y. Burli	Biodiversity BCN(2012)	
4	P15DM23S028002	Yashoda B. Kambhar	Biodiversity hotspots general & special case reference to india	
5	P15DM23S028005	Muskan A. Pakali	Natural system of classification	



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COMMERCE, CHIKODI – 591 201

PG DEPARTMENT OF BOTANY
Semester I - Assignment and Seminar Topics: 2023-24

1. Origin and evolution of RNA world
2. Theories of evolution- Darwinism, Neo-Darwinism
3. Natural system of classification
4. APG system of classification
5. Biodiversity hotspots - general and with special reference to India
6. Biodiversity bill (2002)
7. Spirochetes
8. Chemolithotrophic



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PG DEPARTMENT OF BOTANY

Time table for the seminar presentation of M.Sc.I Semester 2023-24

Sl No.	Registration number	Name	Date and Time	Signature of the candidate
1	P15DM23S028004	Aishwarya S. Patil	19/02/24 11:21 AM	
2	P15DM23S028001	Shambhavi M. Vishwakarma	19/02/24 11:36 AM	
3	P15DM23S028003	Sidram Y. Burli	19/02/24 11:54 AM	
4	P15DM23S028002	Yashoda B. Kambhar	19/02/24 12:20	
5	P15DM23S028005	Muskan A. Pakali	19/02/24 12:43	

Time duration: 10 min for each presentation

Faculty sign

1)
19/2/2024

2)
19/2/2024



KLE Society's

**Basavaprabhu Kore Arts, Science and Commerce
College, Chikodi-591201**

P.G Department of Botany

Seminar Topic;- BIODIVERSITY AND CONSERVATION

Name ;-Yashoda.B.Kambar

Class;-Msc1 year

Subject;- BIODIVERSITY AND CONSERVATION

Reg No;-P15DM23S028002

Submitted to;-

Date;- 19-02-2024

Yashoda B. Kambar
19/2/24

Biodiversity Hotspot General with Special reference to India.

Introduction:

- * A biodiversity hotspot is a biogeographic region that is both a significant reservoir of biodiversity and threatened with destruction.
- * The term biodiversity hotspots specially refers to 36 biologically rich areas around the world that have lost at least 70% of their original habitat.
- * The British biologist 'Norman Myers' coined the term biodiversity hotspot. in the year 1988.
- * Conservation International adopted hotspots of Myers as its institutional blueprint in 1989.
- * In 1989 CI identified 25 biodiversity hotspots in the book "Hotspots: Earth's Biologically Richest & Most Endangered Terrestrial Eco-regions."
- * New hotspots: only 25 hotspots were mentioned in the original proposal.
Later on new biodiversity hotspots were periodically added based on scientific assessments of new regions.
Yarex: Forest of East Australia.

Criteria

- ① It must contain at least 1,500 species of vascular plants & as endemics.
- ② It has to have lost $\geq 70\%$ of its original native habitat.

Characteristics of hotspots.

- ① Hotspots are of global importance and are the hosts of priceless gift of nature.
- ② They are very rich in biodiversity, genetic diversity, species diversity.
- ③ Being the habitats of endemic and endangered species. They are having a high level of endemism and are under threat of habitat destruction that again leads to extinction of species.

There are four major biodiversity hotspots.

① Himalayas.

- Highest in the world, the Himalayas comprise of North East, Bhutan central & Eastern parts of Nepal.
- 163 endangered species which includes the wild Asian water Buffalo, one horned Rhino.
- This mountain range covers nearly $750,000 \text{ km}^2$

- The forest cover in Eastern Himalayas has diminished to about 1/3rd of its original cover.
 - Certain species like serica himalayensis, a parasitizing organism, was sighted only twice in this region in the last 70 years.
- ex: • Snow-Lotus (Saussurea laniceps)
- Salam Parja (Dactyloctenium aegyptium)

② Indo-Burma region:

- Indo-Burma region is stretched over a distance of 23,73,000 km².
 - Last 12 years, 6 large mammal species have been discovered in this region.
 - This hot spot is also known for the endemic freshwater turtle species, most of which are threatened with extinction, due to over-harvesting & extensive habitat loss.
- ex: Eld's deer, cat, Barking deer, Fishing cat.
- orchid and ginger species.

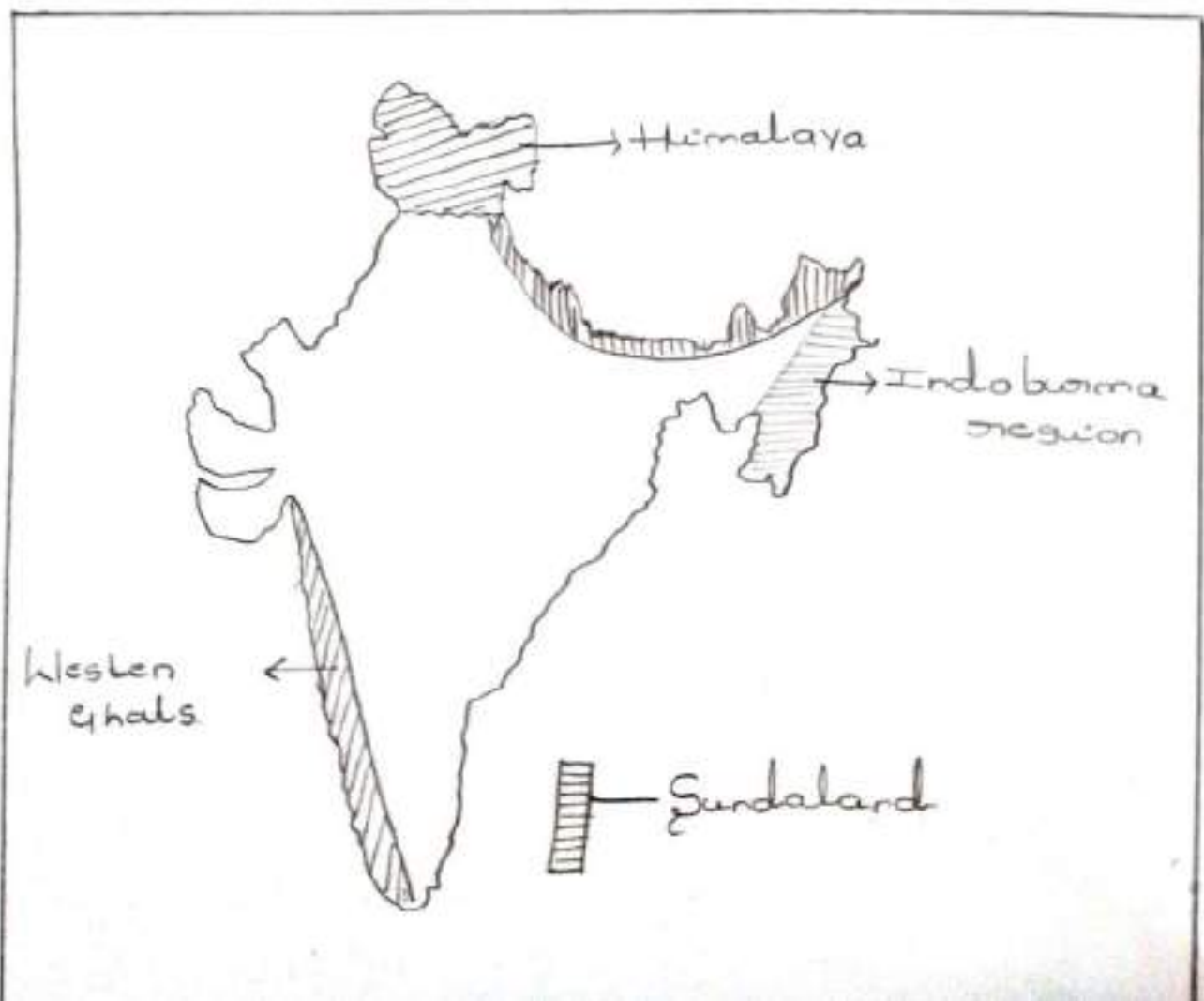
③ Western Ghats:

- This region consists of 6000 plant species of which 3000 are endemic.
- Originally, the vegetation in this region was spread over 190,000 km² but has been now reduced to 43,000 km².

- The region is also known for 450 species of birds, 140 mammals, 260 reptiles, 175 amphibians.
- ex: • Niltgionu Lahor (*Chemulmagus hylacorius*).
- lion-tailed macaque (*Macaca silenus*).

④ Sundaland.

- Sundaland hotspot lies in South-East Asia & covers Singapore Thailand Malaysia.
- In the year 2013, the Sundaland was declared as a world Biosphere Reserve by the United Nations.
- This region is famous for its rich marine, stival and marine ecosystem.
- ex. Pseudobufo, Phrynella & Gastropharyngoides.



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Basavaprabhu Kore Arts,

Science and Commerce College.

Chikodi

P. G. Department of Commerce.

Name :→ Kareena. M. Makandar.

Class :→ M. Com 2nd sem.

Subject :→ Corporate Restructuring.

Roll no :→ 04

Seminar Topic :→ Meaning And Types of
Merger.

Date of Presentation :→ 05/08/2023.

* Introduction to Merger :-

Mergers and Acquisitions are the most popular form of corporate restructuring for expanding or increasing the size and volume of business. Merger and Acquisitions is not new in the Indian Economy. In the past, companies have also used this form of restructuring strategies to grow.

* Merger and Acquisition: The concept.

→ Meaning of Merger :-

Merger refers to a situation when two or more existing firms combine together and form a new entity. Either a new company may be incorporated for this purpose or one existing company (generally a bigger one) survives & another existing company (which is smaller) is merged into it.

→ Methods of Merger :-

A merger may occur in two ways:

- Merger through absorption.
- Merger through consolidation.

1) Merger through Absorption :-

Absorption is a combination of two or more companies into an existing company. All companies except one lose their identity in a merger through absorption. An example of this type of merger is the absorption of Tata Fertilizers Ltd. (TFL) by TCL. TCL, an acquiring company (a buyer), survived after merger while TFL, an acquired company (a seller), ceased to exist. TFL transferred its assets, liabilities & shares to TCL.

⇒ Merger through consolidation :-

A consolidation is a combination of two or more companies into a new company. In this type of merger, all companies are legally dissolved and a new entity is created. In a consolidation, the acquired company transfers its assets, liabilities and share to the acquiring company for cash or exchange of shares.

Ex :- Vodafone and Idea (Vi)

→ Meaning of Acquisition :-

Acquisition refers to the acquiring of ownership right in the property and asset without any combination of companies. Thus, in acquisition two or more companies may remain independent and separate legal entity, but there may be change in control of companies.

* Types of Mergers / Varieties of Mergers :-

Here are a few types, distinguished by the relationship between the two companies that are merging :

⇒ Horizontal Merger :-

It is a merger occurring between companies producing similar goods or offering similar services. Such companies that are in direct competition and share the same product lines and markets. This type of merger occurs frequently as a result of larger companies attempting to create more efficient economies of scale.

Ex :- Vodafone and Idea (Vi), Coca-cola & Pepsi - beverage.

3) Conglomerate merger :->

A conglomerate merger is a merger between firms that are involved in totally unrelated business activities. There are two types of conglomerate mergers: Pure and mixed. Pure conglomerate mergers involve companies with nothing in common, while mixed conglomerate mergers involve companies that are looking for product extensions or market extensions. A conglomerate merger occurs when the companies are not competitors and do not have a buyer-seller relationship & is made up of a number of different, seemingly unconnected businesses.

4) Purchase Merger :->

As the name suggests, this kind of merger occurs when one company purchases another. The purchase is made with cash or through the issue of some kind of debt instrument; the sale is taxable.

Acquiring companies often prefer this type of merger because it can provide them with a tax benefit.

5) Triangular Merger :->

A triangular merger refers to the acquisition of a local company through a share swap with a local subsidiary that is wholly owned by a foreign buyer. In simple words, a foreign company buys a local company by exchanging the shares of its subsidiary located in country of local company.

Horizontal mergers permit the surviving company to control a greater share of the market and, it is hoped, gain economies of scale.

This type of merger can either have a very large effect or little to no effect on the market.

2) Vertical Merger :->

A vertical merger is a merger between two firms involved in the same business but on different levels. A merger between two companies producing different goods or services for one specific finished product where one firm acquires another firm that is in the same industry but at another stage in the production cycle.

Ex:-> A baseball bat company merging with a wood production company.

2) Car manufacturer purchases a tire company.

-> Reasons :->

- > To reduce uncertainty over the availability or quality of supplies or the demand for output, to take advantage of available economies of integration, &
- > To protect against monopolistic practices of either suppliers or buyers with which the firm must otherwise deal,
- > To reduce transactions costs such as sales taxes and marketing expenses.

class → Bsc IV Sem.

Students presenting Seminar:

- | Name. | Topic. |
|---------------------------|-----------------------------------|
| 1) Akshata. Kore. | → Ecological |
| 2) Arpita. Naik. | → climatic factors on temperature |
| 3) Deepa. Mangavi. : Soil | Soil |
| 4) Kavita. Jadhav. | |

Students Attendance

Roll. no.	Name	Sign.
40	Kavita Ganapati Jadhav	
84	Rajashree Mahesh Tiradkar	
90	Roopa. Revappa. Desai	
25	Arpita. Rajee. Naik	
35	Deepa. B. Mangarui	D.B.M
73	poonam. B. Malage	
51	Madha. M. Mulla.	
130	Veena. L. Musaguppi	
138	Laxmi. N. Payappagal	L.N. Payappagal
18	Akshata. M. Kore	
65	Nagesh. A. Kogawade	
55	Mahantesh G. Devanagar	
56	Meenakshi. G. Naik	
99	Sangeeta. K. Bambalawade	
115	Shraddha. A. Rendale	
127	Uttam. S. Vante	
77	Pratik. A. Magadum.	
64	Muzafar. A. Kalaigari	

Teachers → Shri. R.R. Naik.

Miss. Shraddha. Sangane.

Miss. Kaveri. Hall.

Class → Bsc IV Sem.

Time → 11-12.

Students Presenting Seminar.

Name. Topic.

- 1) Nagesh. Kagawade. → Biogeochemical cycle
- 2) Mahantesh. Devanagol. → Introduction and structure of forest ecosystem
- 3) Madiha. Mulla. → Epiphytes & Halophytes

Students Attendance.

Roll.no.	Name.	Sign.
56	Meevakshp. G. Naik	
99	Sangeeta. K. Bambalawade	
35	Deepa. B. Managanvi	D.B.M.
138	Laxmi. N. Jayappa	L.N.P.
65	Nagesh. A. Kagawade	
73	Poonam B Malage	
51	Madiha. M. Mulla.	
55	Mahantesh G. Devanagol	
84	Rajashree. Mahesh. Tirodkar	
18	Akshata. M. Kore	
90	Roopa. R. Desai	
135	Yallakka. N. Khol	

Teachers → Shri. R.R. Naik.

Miss. S.S. Sangane.

Miss. Kaveri. Halli.

HOD.

Principal.



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**BASAVAPRABU KORE ARTS, SCIENCE AND
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ASSIGNMENT 2023-24


DEPARTMENT OF EVs

Name : Akshata. R. Harake

Class : B.Sc IInd sem

Roll No : 15

Submit Date : 20/07/2024


Teacher signature

1] Explain the structure and functions of forest and desert ecosystem

A forest is a large area covered chiefly with trees and undergrowth. It consists of various layers that interact to form a complex ecosystem. Here's an overview of structure and function of a forest:-

* Structure of a forest

1] Canopy layer:- This is the upper layer of the forest, formed by the crowns of the tallest trees. It absorbs most of the sunlight and provides habitat for many species.

2] Understory layer:- Located beneath the canopy, this layer consists of smaller trees and shrubs. It receives less light and has a humid environment, supporting diverse plant and animal life.

3] Shrub layer:- Below the understory, this layer includes woody plants and bushes. It provides shelter and food for various animals.

4] Herb layer:- This layer contains non-woody plants like grasses, ferns and flowers. It thrives on the forest floor where some light reaches through the canopy.

5] Forest floor:- This bottom layer is covered with decomposing leaves, twigs and other organic matter. It is crucial for nutrient cycling and supports decomposers like fungi, bacteria and insects.

* Functions of a forest

1] Biodiversity:- Forests are home to a vast array of plant and animal species, contributing significantly to global biodiversity.

2] Climat Regulation:- Forests play a vital role in regulating the earth's climate by absorbing carbon dioxide during photosynthesis and releasing oxygen.

3] Water cycle :- Forests influence the water cycle by intercepting rain fall, promoting infiltration into the soil and reducing surface runoff, which helps prevent flooding and maintains groundwater levels.

4] Soil conservation :- The root systems of trees and other vegetation help stabilize the soil, preventing erosion and maintaining soil health.

5] Habitats :- Forests provide habitat and food for countless species, supporting complex food webs and ecological interactions.

6] Resources :- Forests provide habitat and food for countless species, supporting complex food web, valuable resources, including timber non-timber products and ecosystem services.

7] Cultural and Recreational value :- Forests have significant cultural, spiritual and recreational importance for many human societies.

Overall, forests are essential for the health of the planet, supporting ecological balance, biodiversity and human well-being.

* Desert Ecosystem :-

A desert ecosystem is characterized by its arid conditions, extreme temperature and limited vegetation despite these harsh conditions. Desert support a unique array of plant and animal life that has adapted to survive with minimal water. Here's an overview of the structure and function of a desert ecosystem.

* Structure of a Desert ecosystem.

1] Abiotic components

- Climate :- Desert experience extreme temperatures with hot days and cold nights rainfall is infrequent and unpredictable.
- Soil :- Desert soils are typically sandy or rocky, with poor nutrient content and low organic matter.
- Water :- Water is scarce often present only in the form of occasional rain or underground aquifers.

2] Biotic components

- Vegetation :- Desert plants are adapted to conserve water common types include cacti, succulents, shrubs and grasses these plants often have deep root systems reduced leaf surface area and the ability to store water.
- Animals :- Desert animals are adapted to the extreme conditions and scarcity of water. common species include reptiles mammals, birds and insects many of these animals are nocturnal avoiding the heat of the day.

* Function of a Desert Ecosystem.

1] Biodiversity :- While deserts may seem barren they support a variety of specially contributing to global biodiversity.

2] Climate Regulation :- Desert play a role in global climate patterns. their high albedo helps regulate temperature by reflecting sunlight.

3] Water conservation :- Desert plants and animals have evolved mechanism to conserve water, providing insights into drought resistance and water conservation strategies.

4] Soil stabilization :- Vegetation in deserts helps stabilize the soil, reducing erosion and dust storms.

5] Nutrient cycling :- Although limited nutrient cycling occurs through the decomposition of organic matter by microorganisms, contributing to soil formation and fertility.

6] Resource provision :- Deserts provide resources like minerals, fossil fuels, and medicinal plants. They also offer opportunities for solar energy due to their high solar insolation.

7] Cultural and Recreational value :- Deserts have cultural significance for indigenous peoples and offer unique recreational opportunities like hiking, wildlife watching, and tourism.

Overall desert ecosystems through harsh and seemingly inhospitable are vital components of earth's biodiversity and climate systems. They showcase remarkable adaptations and provide unique ecological functions and resources.

1] What is an ecosystem

An ecosystem is a geographic area where plants, animals and other organisms as well as weather and landscape work together to form a bubble of life ecosystem contains biotic or living parts as well as abiotic factors or non-living parts. biotic factors include plants, animals and other organisms abiotic factors include rocks, temperature and humidity.

Every factor in an ecosystem depends on every other factor either directly or indirectly a change in the temperature of an ecosystem will often affect what plants will grow there for instance animals that depends on plants for food and shelter will have to adapt to the changes move to another or perish.

Ecosystem can be very large or very small tide pools. the ponds left by the ocean as the tide goes out are complete tiny ecosystems tide pools contain seaweed a kind of algae which uses photosynthesis to create food. herbivores such as abalone eat the seaweed carnivores such as stars eat other animals in the tide pool such as clams or mussels. tide pools depend on the changing level of ocean water some organisms such as seaweed, thrive in an aquatic environment when the tide is in and the pool is full. other organisms such as hermit crabs, cannot live underwater. and depend on shallow pools left by low tides in this way, the biotic parts of the ecosystems depend on abiotic factors.

The whole surface of earth is a series of connected ecosystems. are often connection in a larger biome. biomes are large sections of land, sea or

atmosphere forests ponds, reefs and tundra are all type of biomes. they are organized very generally based on the type of organized very generally based on the types of plants and animals that live in them within each forest each ponds each reef or each section of tundra you'll find many different ecosystems.

For thousands of year of people have intracted with ecosystems many cultures developed around nearby ecosystem, many native American tribes of North Americans great plains developed a complex lifestyle based on the native plants and animals of plains ecosystems. for instance Bison a large grazing animal, native to the great plains became the most important biotic factor in many plains Indias cultures such as the Lakota or Kiowa, Bison are sometimes mistakenly called buffalo. these tribes used buffalo hides for shelter and clothing, buffalo meat for food and buffalo horn for tools. the tallgrass prairie of the great plains supported bison herds which tribes followed throughout the year.





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Date: 18.01.2024

Department of Zoology
Assignments 2023-24

B. Sc I Semester students are informed to complete the given assignments and submit the same on or before 30.01.2024.

Sl. No.	R. No.	Name of the student	Topic
1.	03	Arati B. Chougala	Plasma membrane: Chemical structure & Function
2.	17	Radhika A. Chougala	Protein targeting
3.	20	Ambika D. Bhimnaik	Cytoskeleton: microtubules, microfilaments and intermediate filaments
4.	23	Rani V. Pujari	Mitochondria: structure, oxidative phosphorylation and electron transport system
5.	39	Amruta S. Dhanwant	Structure and function of Peroxisomes and Ribosomes
6.	46	Deepa S. Pujari	Cell cycle and its regulation; Mitosis
7.	47	Shweta R. Shiram	Meiosis and Apoptosis
8.	48	Pallavi S. Badode	Signal transduction, intracellular signaling via G-protein linked receptors
9.	53	Kamrunissa A. Sayyed	Cell-cell interaction: Cell Adhesion Molecules (CAMs), Cellular junctions
10.	54	Chandrakant Baligar	Mendel's laws- Monohybrid and Dihybrid cross
11.	56	Madhuchandrika R. Sadalage	Complete and Incomplete Dominance, Mechanism of sex determination in <i>Drosophila melanogaster</i>
12.	59	Vaishnavi D. Kivade	Sex-linked characteristics in Humans and Dosage Compensation
13.	61	Priyal S. Huddar	Multiple Alleles, and Gene Interaction
14.	63	Kedari L. patil	Sex-influenced and Sex-limited characteristics
15.	67	Saniya J. Peerwale	Cytoplasmic inheritance and Genetic Maternal effect
16.	81	Ishwari S. Pattanshetti	Environmental effect on Gene expression and Inheritance of continuous characters
17.	82	Kamble Vishwajeet Anil	Patterns of inheritance: Autosomal dominance and Autosomal recessive
18.	84	Spoorti G. Dangi	Patterns of inheritance: X-linked dominance and X-linked recessive
19.	85	Suprema S. Jogalekar	Human karyotyping
20.	92	Sahana A. Ghate	Infectious diseases: Structure, life cycle, causes, symptoms and control of <i>Trypanosoma</i> and <i>Giardia</i>
21.	97	Gayatri M. Mariyai	Chromosomal anomalies (abnormalities): Structural and Numerical aberrations with examples
22.	100	Chaitan R. Tattimar	Structure, life cycle, causes, symptoms and control of <i>Wuchereria bancrofti</i>

C.D. S. Kuravle
Staff Incharge

[Signature]
HEAD
DEPARTMENT OF ZOOLOGY

[Signature]
IQAC Coordinator
KLE's Basavaprabhu Kore
Arts, Science and Commerce College
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Email:kles_bkcc@rediffmail.com

Date: 03.01.2024

Department of Zoology
B. Sc III Sem (OEC) Assignments 2023-24

The students of B. Sc III Semester (OEC) are informed to complete the given assignments and submit the same on or before 15.01.2024.

Sl. No	R. No	Name of the Student	Topic
1.	4	Anand S. Kendaguli	Hypothalamus and Hypophysis: Hypothalamus as a neuroendocrine organ, Pituitary Structure and functions and pituitary disorders
2.	22	Nandini S. Chavan	Pineal gland: Structure and functions of Pineal gland Hypo and Hyperactive states of the gland
3.	24	Nikhil T. Devmane	Thyroid and Parathyroid: Histological structure of glands, function of hormones, Hypo and Hyperactive conditions of the gland
4.	31	Priya D. Patil	Adrenal Cortex and Medulla: Histological structure of the gland, functions of hormone, Hypo and Hyperactive states of the gland
5.	46	Srushti S. Kamble	Prostaglandins
6.	54	Prashant P. Bani	Endocrine glands and classification of glands, Characteristics and transport of hormones
7.	75	Shweta T. Varute	Pancreas: Histological structure of Pancreatic islets and Hormonal control of blood sugar

Staff in charge : Shri. V. A. Kulkarni

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Email: kles_bkcc@rediffmail.com

Date: 03.01.2024

Department of Zoology

B. Sc III Sem (DCS) Assignments 2023-24

The students of B. Sc III Semester (DSC) are informed to complete the given assignments and submit the same on or before 15.01.2024

Sl. No	R. No	Name of the Student	Topic
1.	10	Devaki S. Mugalkhod	Process of Transcription: Transcription in Prokaryotes and Eukaryotes
2.	11	Diya J. Manjrekar	Process of Translation: Genetic code, Translation in Prokaryotes and Eukaryotes
3.	14	Jummashah S. Makandar	Regulation of gene expression in prokaryotes: Lac operon (inducible) and <i>trp</i> (repressible) operon in <i>E. coli</i>
4.	17	Laxmi B. Sanadi	Regulation of gene expression in Eukaryotes: Role of Euchromatic and Hetrochromatin, Post-transcriptional modification
5.	34	Samiya S. Jamadar	Microscopy: Principles and applications of Light microscopy, Dark field microscopy and Phase contrast microscopy
6.	36	Santosh R. Waghmore	Centrifugation and chromatography: Principles, types and applications of High-speed centrifugation and Ultra-centrifugation
7.	47	Srushti A. Meghannavar	Molecular Techniques: Principles and applications of Agarose Gel Electrophoresis (AGE), SDS-PAGE, Sanger's method of DNA sequencing.
8.	50	Supriya N. Bane	Biochemical instrumentation: Colorimetry and Spectrometry: Beer-Lambert's law, Absorption spectrum
9.	76	Soundarya T. Lokare	PCR, DNA Fingerprinting, ELISA, Southern and Western Blotting.

V. A. Kulkarni

Staff in charge : Shri. V. A. Kulkarni

[Signature]

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Department of Zoology

B. Sc V Sem (Paper II) Assignments 2023-24

The students of B. Sc V Semester are informed to complete the given assignments of Paper-II (Chordates and Comparative anatomy) and submit the same on or before 15.01.2024

Sl. No.	Roll No.	Name of the student	Topic
1.	09	Aditya A. Nilajyoti	Origin of Chordates, Basic characters of chordates and their classification up to classes
2.	23	Ankita G. Vaddar	General features of Protochordata and their classification
3.	25	Arpita R. Naik	General characters of Hemichordata and Type study- Balanoglossus (Habit and Habitat, Morphology)
4.	30	Bhimrav A. Sajane	General characters of Urochordata and Type study- Herdmania (Habit and Habitat, Morphology)
5.	35	Deepa B. Managanvi	Ascidian tadpole- comment on its structure and retrogressive metamorphosis
6.	41	Kavita L. Mecchannavar	General characters of Cephalochordata and Type study- Amphioxus (Habit and Habitat, Morphology)
7.	51	Madiha M. Mulla	General characters of Agnatha and classification up to classes
8.	55	Mahantesh G. Devanagol	Salient features of Cyclostomata and Ostracodermi with examples
9.	65	Nagesh A. Kagawade	General characters of Vertebrate and classification up to classes
10.	66	Namrata S. Chimmat	Pisces: Osmoregulation, migration and swim bladders in fishes
11.	67	Navyasrushti N. Dambal	Amphibia: Origin of Amphibia, Parental care in Amphibians
12.	72	Pawar R. Ritesh	Aves: Flightless birds and their distribution, Major types of beaks
13.	73	Poonam B. Malage	Kinds of migration in Birds, Flight adaptation in Birds
14.	87	Rohan S. Kamble	Origin of Chordates, Basic characters of chordates and their classification up to classes
15.	90	Roopa R. Desai	Temporal fossae in Reptiles, Poisonous and Non-poisonous snakes
16.	92	Rutuja R. Chonchannavar	Mammals: Distribution of Prototheria and Metatheria with examples, Dentition in Mammals
17.	110	Sneha H. Kambar	Evolution of Molar teeth in Mammals and Adaptive radiation in Mammals
18.	130	Veena L. Musaguppi	Comparative Anatomy of Vertebrates: Integumentary system: Structure of Skin and its derivatives
19.	132	Vishal A. Vadavade	Comparative account of Axial and Appendicular skeletal system in Amphibians
20.	134	Vishal S. Aihole	Amphibia: Origin of Amphibia, Parental care in Amphibians
21.	135	Yallakka N. Khot	Comparative account of Heart and Aortic Arches
22.	138	Laxmi N. Payappagol	Succession of Vertebrate Kidney

Staff incharge: Smt. G. A Dhekale

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Department of Zoology

B. Sc V Semester (Paper I) Assignments 2023-24

The students of B. Sc V Semester are informed to complete the given assignments of Paper-I (Non-chordates and Economic Zoology) and submit the same on or before 15/01/2024.

Sl. No.	Roll No.	Name of the student	Topic
1.	09	Aditya A. Nilajyoti	General characters of Phylum Protozoa and classification up to classes
2.	23	Ankita G. Vaddar	Locomotory organelles and locomotion in Protozoa in Protozoa; Type study- Paramecium
3.	25	Arpita R. Naik	General characters of Phylum Porifera and classification up to classes
4.	30	Bhimrav A. Sajane	Canal System in Poriferans; Type study- Sycon (Morphology and Reproduction)
5.	35	Deepa B. Managanvi	General characters of Phylum Coelenterates and classification up to classes
6.	41	Kavita L. Mecchannavar	Polymorphism in Physalia and Type study- Obelia (Morphology and Reproduction)
7.	51	Madiha M. Mulla	General characters of Phylum Platyhelminths and classification up to classes
8.	55	Mahantesh G. Devanagol	Parasitic adaptations in Platyhelminths and Type study- Taenia (tape worm)- Morphology and reproduction
9.	65	Nagesh A. Kagawade	General characters of Phylum Aschelminths (Nemathelminths) and classification up to classes
10.	66	Namrata S. Chimmat	General characters of Phylum Annelida and classification up to classes
11.	67	Navyasrushti N. Dambal	Metamerism in Annelida and external morphology of Leech. (Hirudinaria)
12.	72	Pawar R. Ritesh	General characters of Phylum Arthropoda and classification up to classes
13.	73	Poonam B. Malage	Metamorphosis of insects and Economic importance of insects
14.	87	Rohan S. Kamble	General characters of Phylum Protozoa and classification up to classes
15.	90	Roopa R. Desai	Type study- Palaemon (Prawn); Morphology, Appendages, Nervous system and Reproduction.
16.	92	Rutuja R. Chonchannavar	General characters of Phylum Mollusca and classification up to classes
17.	110	Sneha H. Kambar	Torsion in Gastropods and Pearl formation
18.	130	Veena L. Musaguppi	General characters of Phylum Echinodermata and classification up to classes
19.	132	Vishal A. Vadavade	Water vascular system in Asteroidea; type study- Pentacerous (Morphology and reproduction)
20.	134	Vishal S. Aihole	Economic zoology: Life cycle of Gundhi bug and Leaf hopper
21.	135	Yallakka N. Khot	Vectors: Prevention and control of Termites and Mosquitoes
22.	138	Laxmi N. Payappagol	Vermiculture and Sericulture

Staff in charge: Smt. G A Dhekale

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Date: 01/07/2023

PG Department of Commerce

NOTICE

To enhance the writing skills among the students, the Department is decided to organize a “**Creative Writing**” Competition for M.Com students on 06/07/2023. Hence interested students are hereby informed to enroll your team on or before 05/07/2023 to Shri. Vishal Khot.

General Instructions:

1. There will be team participation and each team must consist of 4 students.
2. The picture prompt will be given on the day of competition.
3. The time limit for writing is 30 minutes.
4. The time limit for presentation is 3-5 minutes.


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PG DEPARTMENT OF COMMERCE

Title of the Program	Creative Writing Competition
Date and Time	06 th July, 2023 at 2.30 pm to 4 pm
No. of Teams and Participants	Teams: 08 Participants: 32
Place	Lecture Hall No: 30
Objectives	<ul style="list-style-type: none">➤ To enhance the creativity level of students.➤ To enhance the writing skills among the students.➤ To demonstrate the ability to comprehend complex pictures and draw inferences from what they see.
Summary of the Proceedings	<p>Writing is one of the ways to recall the prior reading and understanding. To enhance writing ability and presentation skill among the students, PG Department of Commerce was organized "Creative Writing" competition for M.Com students on 06th July, 2023. In the Creative Writing competition students were made to write a story or an essay describing a picture. Shri. V. S. Khot explained the general instructions and rules of the competition. Total 8 teams consisting of 4 students in each team were actively participated in this competition. For these teams one picture prompt was given and students had to build up their writing piece around the picture. After the completion of writing one student from each team were called upon the stage to read their story or essay which they have written on given picture.</p> <p>At the end, their writing and presentation was evaluated for 20 marks in three major headings namely</p>

creativity & Interest which carries 10 marks, correctness of style carrying 05 marks and organization and presentation carrying 05 marks.

Shri. S. M. Bhosage and Miss. S. C. Hitni were the two judges of this competition. Shri. S. M. Bhosage announced the results. Miss Soumya Kumbar and team got the first place with 33 marks, the team of Miss Sunita Akkatangerhal got the second place with 30 marks and with 28 marks the third place secured by Mr. Abhishek Naik and team. Lastly Shri. S. M. Bhosage expressed the gratitude through vote of thanks.

Students have shown their creativity in many ways and got idea about how to analyze things from different angles.




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CHIKODI-591 201

Creative Writing Competition-Photos



GPS Map Camera
 Chikodi, Karnataka, India
 CHPW+H8M, Chikodi, Karnataka 591201, India
 Lat 16.437076°
 Long 74.596598°
 06/07/23 02:21 PM GMT +05:30

Shri. V. S. Khot explaining the general instructions and rules of the Competition



GPS Map Camera
 Chikodi, Karnataka, India
 CHPW+H8M, Chikodi, Karnataka 591201, India
 Lat 16.437076°
 Long 74.596623°
 06/07/23 02:37 PM GMT +05:30

Students doing discussion on given picture prompt in their respective groups.



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 Lat 16.437116°
 Long 74.596629°
 06/07/23 03:52 PM GMT +05:30

Miss. Archana Bhosale presenting their writing



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 Lat 16.437088°
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Miss.Snehal Jadhav presenting their writing



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Shri. S. M. Bhosage announcing the results



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Shri. S. M. Bhosage proposing vote of thanks

[Signature]
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Department of Commerce

[Signature]
IQAC Coordinator

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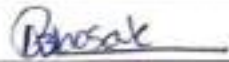


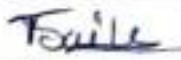


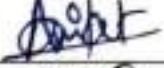



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PG Department of Commerce
Creative Writing Competition

ATTENDANCE SHEET

Sl No	Team No	Name of the Students	Class	Signature
1	1	Abhishek Naik	M.Com II	
2		Sahil Jamadar	M.Com II	
3		Parshwanath Jayagond	M.Com II	
4		Mahesh Bhavi	M.Com II	
5	2	Vinaya Pawar	M.Com I	
6		Shweta Ambi	M.Com I	
7		Tashwini Metrani	M.Com I	
8		Seema Yadawad	M.Com I	
9	3	Sunita Akkatangerhal	M.Com I	
10		Vidya Konganoli	M.Com I	
11		Pradnya Mali	M.Com I	
12		Laxmi Kulagude	M.Com I	
13	4	Pallavi Asangi	M.Com I	
14		Savitri Uppar	M.Com I	
15		Shruti Karnawadi	M.Com I	
16		Kareena Makandar	M.Com I	
17	5	Vikas Gudase	M.Com II	
18		Poornima Bagi	M.Com I	
19		Laxmi Pujeri	M.Com I	
20		Pooja Desai	M.Com I	

Sl No	Team No	Name of the Students	Class	Signature
21	6	Archana Bhosale	M.Com II	
22		Pooja Bhosale	M.Com II	
23		Dipika Jhutale	M.Com II	
24		Tejashwini Naik	M.Com II	
25	7	Soumya Kumbar	M.Com II	
26		Shubhangi Naik	M.Com II	
27		Siddharth Chandgade	M.Com I	
28		Aniket Managutte	M.Com I	
29	8	Pratibha Mayappannavar	M.Com I	
30		Snehal Jadhav	M.Com I	
31		Mohasina Mulla	M.Com I	
32		Nikita Jadhav	M.Com I	


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PG Department of Commerce
Creative Writing Competition
Final Result Sheet

Sl.No	Team No.	Name of the Students	Class	Total (40 marks)	Rank
1	7	Soumya Kumbar	M.Com II	33	1 st
2		Shubhangi Naik	M.Com II		
3		Siddharth Chandgade	M.Com I		
4		Aniket Managutte	M.Com I		
5	3	Sunita Akkatangerhal	M.Com I	30	2 nd
6		Vidya Konganoli	M.Com I		
7		Pradnya Mali	M.Com I		
8		Laxmi Kulagude	M.Com I		
9	1	Abhishek Naik	M.Com II	28	3 rd
10		Sahil Jamadar	M.Com II		
11		Parshwanath Jayagond	M.Com II		
12		Mahesh Bhavi	M.Com II		

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Participants Name

Kareena . M

Pallavi . A

Shruti . K

Savitri . U

Topic :- "Knowledge of sea"

∴ Creative writing :-

"Library is a Knowledge of sea"

Library is a part of the Education. The people wants to get the Knowledge he must visit the Library. And it is the reason to grow the someone. In the Every Education system the student who wants to get the Knowledge and the teacher who wants to teach to the students he must visit the Library Every day.

And Library is a weapon of the Education system. through, which the students and teachers can get the Knowledge. And the Library can give some moral Ethics and principles to develop the Knowledge of the students.

when the people read respectively and honestly the books then the books makes the people to see us respectively.

"Library is like a Flower" and the
"student is like a Bee". which makes the people
to come near them.

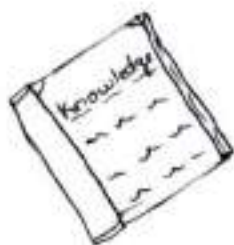
Library can give the full of knowledge
which helps in the daily life and to achieve
the goals in the life.

"Library is like a Diamond and
student is like a Ring". How the diamond
shines in the ring likewise, the knowledge
which will be gets in the library will be
which will be gets in shines in the students.

And the knowledge get in the
library can be helpful to survive in the world.

Everything can stolen but the
knowledge which can be get in the library
cannot be stolen. The library gives the knowledge
which can not be perishable It will be with
us up to the death.

"Sun will shines the world and
the library will shines the life of the person".



Financial Management

The respondent's email (lknayaka3@gmail.com) was recorded on submission of this form.

Name *

Gajanan solabannavar

Roll no *

27

1. Objective of financial management is: *

- A. profit maximization
- B. wealth maximization
- C. assets maximization
- D. Sales maximization



2. Maximisation of Shareholders Wealth is reflected in *

- A. Sales Maximization
- B. Number of Shareholders
- C. Market Price of Equity Shares
- D. none of the above

3. What is not a part of Investment decision in financial management ? *

- A. Dividend Payout decision
- B. Working Capital Management
- C. Capital Budgeting Decisions
- D. Payable Management

4. The objective of wealth maximization takes into consideration: *

- A. Risk related to uncertainty of returns
- B. Timing of expected returns
- C. Amount of returns expected
- D. All of the above



5. Which of the following is not a cash outflow for the firm? *

- A. Depreciation
- B. Dividends
- C. Interest payments
- D. Taxes

6. Market Value Of the firm is a result of : *

- A. Investment Decision
- B. Financing Decision
- C. Risk-Return Trade off.
- D. None of the above

7. External sources of finance do not include: *

- A. Overdrafts
- B. Debentures
- C. Leasing
- D. Retained Earnings



8. Capital budgeting is a part of: *

- A. Investment decision
- B. Working capital management
- C. Marketing management
- D. Capital structure

9. Capital Decisions are: *

- A. Reversible
- B. Irreversible
- C. Unimportant
- D. All the above

10. Finance function involves: *

- A. Procurement of finance only
- B. Expenditure of funds only
- C. Safe custody of funds only
- D. Procurement and effective utilization of funds



11. Combined Leverage is calculated as : *

- Operating Leverage + Financial Leverage
- Operating Leverage x Financial Leverage
- Financial Leverage
- Other: _____

12. What does investment stand for? *

- approximate increase in the national stocks
- the application of funds for the products and services employed for the production process
- use of funds for the assets with the purpose to earn returns
- applying money to buy a flat or a house

13. The finance manager's role is to: *

- ensures that the funds are properly utilized
- maintains the financial health
- effective supervision of capital
- obtains capital assets of the organizati



14. In the share market, the market value of any share is decided by: *

- shareholders
- the government
- investment market
- the respective companies

15. what is Capital Budgeting related to? *

- short term assets
- long term assets
- long term as well as short term assets
- fixed assets

16. Among the following options which one is not included in money market security? *

- Treasury bills
- Certificate deposit
- Commercial paper
- National savings certificate



17. What does Working capital management, manage? *

- long term assets
- long term liabilities
- short term assets and liabilities
- only short term liabilities

18. Which one is/are financial assets? *

- bonds
- machines
- stocks
- both a and c

19. The ultimate purpose of Financial management is: *

- to get a maximum return
- to increase the wealth of owners
- to have a maximum risk factor
- to get a maximum profit



20. The ultimate concern of Financial Management is: *

- to arrange the funds
- effective management of all the business
- receiving the maximum profit
- to acquire and utilize every aspect of financial resources in order to maintain the firm activities

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Google Forms



QUIZ SCORE - Law and Practice of Banking

Sl. No	Reg. No	Name of Student	Roll No	Marks	Score
1	U15DM22C0001	Vivek Patil	122	10	46 / 50
2	U15DM22C0002	Mallikarjun	39	10	48 / 50
3	U15DM22C0003	Sneha mugeri	93	10	42 / 50
4	U15DM22C0004	Pooja Danihal	50	9	34 / 50
5	U15DM22COOO5	Savita Gharabude	79	10	38 / 50
6	U15DM22C0006	Abhishek R Dhanawade	2	10	50 / 50
7	U15DM22C0007	Deepa Ambannagol	23	8	24 / 50
8	U15DM22C0008	Shubham patil	91	10	40 / 50
9	U15DM22C0010	Rakesh Hirekurabar	64	9	26 / 50
10	U15DM22C0012	Rajendra chinage	63	10	46 / 50
11	U15DM22C0013	Vanita Sangane	114	10	46 / 50
12	U15DM22C0014	Pradnya M Hiremath	53	9	28 / 50
13	U15DM22C0015	Aditya Nayak	7	10	48 / 50
14	U15DM22C0016	Poornima Ankush Nejakar	51	9	28 / 50
15	U15DM22C0017	Madhumati shinde	36	8	22 / 50
16	U15DM22C0018	Rahul Khot	62	10	48 / 50
17	U15DM22C0019	Chhaya suryavanshi	20	10	42 / 50
18	U15DM22C0021	Muskan khaju shekh	43	9	26 / 50
19	U15DM22C0022	Nikhita patil	45	9	32 / 50
20	U15DM22C0023	Saniya shaikh	75	9	26 / 50
21	U15DM22C0024	Sukanya ankush mali	102	8	22 / 50
22	U15DM22C0025	Shivani khot	85	6	16 / 50
23	U15DM22C0026	Jyoti kamate	30	9	28 / 50
24	U15DM22C0027	Sneha khot	92	9	28 / 50
25	U15DM22C0028	Arati Sutar	12	9	32 / 50
26	U15DM22C0029	Shraddha Patil	87	9	28 / 50
27	U15DM22C0030	Priyanka khot	61	9	30 / 50
28	U15DM22C0031	Padmashree khot	48	9	26 / 50
29	U15DM22C0032	Rutuja Sarapure	70	9	28 / 50
31	U15DM22C0034	Darshan ambavvagol	22	10	42 / 50
32	U15DM22C0035	Sudarshan Bhoje	98	10	44 / 50
33	U15DM22C0036	Sonali Chougale	95	9	28 / 50
34	U15DM22C0037	Beerappa s Devanagol	15	10	48 / 50
35	U15DM22C0038	Rushikesh. B. Ghatage	69	10	44 / 50
36	U15DM22C0039	Shivaji ravan	83	10	44 / 50
37	U15DM22C0040	Vijayalaxmi patil	118	10	40 / 50

38	U15DM22C0041	Lavanya M	35	6	18 / 50
39	U15DM22C0042	Soumya A kamble	96	9	28 / 50
40	U15DM22C0043	Swati mane	107	10	42 / 50
41	U15DM22C0044	Sunil darakade	105	10	48 / 50
42	U15DM22C0045	Prajwal Chinumane	54	10	44 / 50
43	U15DM22C0047	Pradeep kamble	52	9	32 / 50
44	U15DM22C0048	Shivanand Dhanawade	84	10	40 / 50
45	U15DM22C0049	Shilpa jadhav	82	6	18 / 50
46	U15DM22C0050	Ganesh patil	26	9	34 / 50
47	U15DM22C0051	Pratibha Ankale	56	10	48 / 50
48	U15DM22C0052	Nandakumar Hanji	44	10	40 / 50
49	U15DM22C0053	Prashant Magadum	55	10	48 / 50
50	U15DM22C0054	Bhakti Akkole	16	8	24 / 50
51	U15DM22C0055	Praveen Tavanakke	57	8	20 / 50
52	U15DM22C0056	Rohini r Jadhav	67	10	40 / 50
53	U15DM22C0057	Deepali S Yadav	24	8	24 / 50
54	U15DM22C0058	Sudiksha Badiger	101	8	20 / 50
55	U15DM22C0059	Shreedevi A Hirekudi	88	10	36 / 50
57	U15DM22C0061	Kumkum R Hajare	34	9	28 / 50
58	U15DM22C0063	Prema D Ghatage	60	9	30 / 50
59	U15DM22C0064	Arpita heddure	14	10	40 / 50
60	U15DM22C0065	Sandhya M Hugar	72	10	40 / 50
61	U15DM22C0066	Tejashwini mirje	109	10	42 / 50
62	U15DM22C0067	Somesh khichade	94	10	46 / 50
63	U15DM22C0068	Rohit Badiger	68	10	48 / 50
64	U15DM22C0069	Sanika S Shinde	74	10	44 / 50
65	U15DM22C0070	Akshata s sabakale	10	9	26 / 50
66	U15DM22C0071	Chetan Naik	19	10	48 / 50
67	U15DM22C0073	Divya palekar	25	9	28 / 50
68	U15DM22C0074	Akshata Nagaral	9	9	28 / 50
69	U15DM22C0075	Praveen jugale	58	9	26 / 50
70	U15DM22C0076	Rohan s dawale	65	10	46 / 50
71	U15DM22C0077	Swati Hirekudi	106	10	40 / 50
72	U15DM22C0078	Pooja ashok belagali	49	10	40 / 50
73	U15DM22C0079	Veena bekkeri	117	10	50 / 50
74	U15DM22C0080	Uday Dharmannavar	111	10	46 / 50
75	U15DM22C0081	Kaveri Chougale	32	9	30 / 50
76	U15DM22C0082	Megha puthani	41	8	22 / 50
77	U15DM22C0083	Kanisfatima Sayyad	31	9	30 / 50
78	U15DM22C0084	Spoorti L Pawade	97	8	20 / 50
79	U15DM22C0086	Shashikant bekkeri	81	8	18 / 50
80	U15DM22C0087	Vaibhav r patil	113	10	44 / 50
81	U15DM22C0088	Tushar R Khot	110	10	44 / 50
82	U15DM22C0090	Sumeetneje	104	10	42 / 50
83	U15DM22C0091	Sudeep Patil	99	10	46 / 50
84	U15DM22C0092	Sejal	80	10	36 / 50
85	U15DM22COO94	Abhilasha Nagarale	1	9	28 / 50

86	U15DM22C0097	Omkar Ranabhare	47	10	50 / 50
87	U15DM22C0098	Praveen savadi	59	10	46 / 50
88	U15DM22C0099	Vinod hallur	121	10	46 / 50
89	U15DM22C0100	Mayuri navalkar	40	9	30 / 50
90	U15DM22C0101	Veena koli	116	9	26 / 50
91	U15DM22C0102	Darshan patil	21	10	46 / 50
93	U15DM22C0105	Vaibhav Daptardar	112	10	46 / 50
94	U15DM22C0106	Santosh sankeshwari	78	10	44 / 50
95	U15DM22C0107	Vinayak Kukanur	120	10	44 / 50
96	U15DM22C0108	Shraddha mule	86	8	20 / 50
97	U15DM22C0109	Geeta N Kabadagi	28	9	32 / 50
98	U15DM22C0110	Mahek Bagwan	38	8	22 / 50
99	U15DM22C0111	Aditi C Mule	6	9	32 / 50
100	U15DM22C0113	Tejas mahadwar	108	10	48 / 50
101	U15DM22C0115	Rohan	66	10	48 / 50
102	U15DM22C0116	Akshay Thorat	11	10	42 / 50
103	U15DM22C0119	Mohammadharis Sanadi	42	10	44 / 50
104	U15DM22C0120	Arihant Manohar Magadum	13	10	42 / 50
105	U15DM22C0121	Mahek M Mulla	37	8	20 / 50
106	U15DM22C0122	Sahana Mathadkar	71	10	46 / 50
107	U15DM22C0123	Shruti Hadapad	90	8	24 / 50



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11/05/2024

Department of Physics

Title of the Programme	Online Training Program conducted on Exploration of the Solar System by START ISRO and Department of Physics
Time and Date	11.00 am on 24 th April, 2024 to 10/05/2024 (for 17 days)
Place	KLE College of Engineering and Technology Chikodi
Nodal Officer	Dr Shidaling Matteppanavar
No. of Beneficiaries	35 students and 02 faculties
Objectives	<ol style="list-style-type: none">Enhance Knowledge: Provide participants with a comprehensive understanding of the Solar System, including its formation, structure, and the various celestial bodies within it.Promote Scientific Literacy: Improve participants' ability to engage with current scientific literature and research related to planetary science and space exploration.Familiarize with Space Missions: Educate attendees about past and current space missions, including those conducted by ISRO and other international space agencies, highlighting their objectives and outcomes.Encourage Interdisciplinary Learning: Foster collaboration between physics, astronomy, and engineering disciplines to enhance participants' understanding of the technological aspects of space exploration.Develop Practical Skills: Equip participants with the skills to analyze data from space missions, including using software tools and methodologies for astronomical data interpretation.Engage with Experts: Provide opportunities for participants to interact with experts in the field, facilitating knowledge exchange and mentorship.Inspire Future Exploration: Ignite interest in careers in space science and exploration among participants, motivating them to pursue further studies or research in related fields.

8. **Foster Critical Thinking:** Encourage participants to think critically about the scientific processes involved in space exploration and the implications of new discoveries for our understanding of the universe.
9. **Promote Public Awareness:** Raise awareness about the importance of space exploration for scientific advancement and its impact on society and technology.
10. **Facilitate Networking:** Create a platform for participants to connect with peers and professionals in the field, fostering a community of future scientists and researchers.

These objectives aim to provide a well-rounded educational experience that benefits participants both academically and professionally.

**Summary of
the
Proceedings**


The online training program on "Exploration of the Solar System," organized by START ISRO and the Department of Physics, aims to provide participants with an in-depth understanding of the Solar System and the advancements in space exploration. Through a series of interactive lectures, discussions, and hands-on activities, participants will explore the formation and dynamics of celestial bodies, as well as the technologies and missions that have shaped our knowledge of space.

The program will cover significant space missions undertaken by ISRO and other international agencies, highlighting their objectives, methodologies, and findings. Attendees will also engage with experts in the field, gaining insights into current research and future directions in planetary science.

By fostering interdisciplinary learning and critical thinking, the training will equip participants with practical skills for analyzing astronomical data and understanding the scientific processes involved in space exploration. Additionally, the program aims to inspire interest in careers related to space science and promote public awareness of its significance.

Overall, this initiative seeks to cultivate a community of future scientists, researchers, and enthusiasts dedicated to exploring the mysteries of the universe.


HOD


Principal

KLES'S Basavaprabhu Kore
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CHIKODI - 591 201




HOD


Principal

KLEPCET
A.P. Sankar
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05/01/2024


Department of Physics

Organises a

Science Exhibition Chikodi Educational District level

Title of the Programme	Science Exhibition Chikodi Educational District level
Time and Date	11.00 pm on 05 th January, 2024
Place	Auditorium
No. of Beneficiaries	Students and 10 faculties
Objectives	<p>The exhibition witnessed great enthusiasm and blooming participation from students of diverse classes, who had the unique opportunity of exploring as well as expressing their creative scientific ideas in the form of activities, models and projects. The event gave a diverse hands on experience to children, wherein they could translate the theoretical scientific principles into the mode of application in the form of observable phenomena. This event led the students from the realms of theory into the arena of practicum.</p> <p>The students displayed their creative scientific potential in diverse arenas revolving around the themes of contemporary significance, namely, Agriculture and food security, Sources of energy and their conservation, Transport and communication, Disaster Management, Health, Robotics and engineering sciences. Students were at their innovative best as they designed their own automobile, hover craft, motorboats, metal detectors, echo rangers, rural air conditioners, earthquake impact detectors to unique designs for tapping alternative sources of energy and new ways to conserve the conventional ones. The event in itself ignited the scientific curiosity in children and gave them a platform to give concrete dimensions to their ideas ,from the zone of imagination to realism.</p>

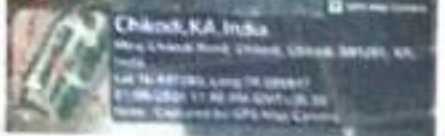
Summary of the Proceedings	<p>Inauguration by Shri. B R Patil Chairman Local Governing Body and Member, Board of Management KLE Society Belagavi, Shri. Mahesh Bathe LGB, Shri. Subhas Kavalapure, Shri. N S Vantamutte and Dr B G Kulkarni were inaugurated the event. Shri B R Patil and Shri Mahaesh Bathe thought about the importance of Sceince exhibition and Fundamental Science. Shri. Subhas Kavalapure, Shri. N S Vantamutte graced the occasion. Dr B G Kulkarni, president of the event explained how this program is going to help in choosing your higher education. Also, explained the importance of fundamental science in technology The Experiments can help to visualize, or picture in your mind, something that is difficult to see or understand.</p>
Outcome of the Program	<p>The exhibition didn't not only provide the opportunity to children to execute their scientific ideas but also gave them the platform to demonstrate their ideas to a large group of science teachers and fellow students. Based on the feedback and suggestive ideas of the science teachers, the children gained a wider and a newer perspective on further development of their model or project. The students also got the unique experience of demonstrating and explaining their ideas to a wide variety of audience which further enhanced their confidence, communication and inter personal skills, overall, a boost to their personality.</p> <p>The exhibition didn't only kindle the scientific lamp of inquisitiveness in children but it also further ignited the flame due to children's exposure to a wide variety of scientific concepts, principles and their application. The event not only fostered a reflective journey in children on the path of scientific discovery but further enhanced the significance and utility of collaborative learning emerging from such activities.</p> <p>On the whole, the Science exhibition was a great learning experience for both the students and teachers alike wherein it seemed that the world of science practically came alive, through the blooming projects of our young student innovators.</p>


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Inauguration by Shri. B R Patil Chairman Local Governing Body and Member Board of Management, Shri. Mahesh Bathe LGB, Shri. Subhas Kavalapure, Shri. N S Vantamutte and Dr B G Kulkarni.



Participants and ribbon cutting by Shri. B R Patil Chairman Local Governing Body and Member Board of Management, Shri. Mahesh Bathe LGB, Shri. Subhas Kavalapure, Shri. N S Vantamutte and Dr B G Kulkarni.



Various models at exhibition



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05/01/2024

Department of Physics

Organises a

Science Exhibition Chikodi Educational District level

Participants List

Sl. No	Name of the Student	Name of the School	Sign	Table Number
1.	Rehan Palegar Lahin Pabit Huzair. Naikuradi	Junneidiya eng medi- -um school kudachi		57
02	Parth Kadamb. Paresha Kadamb Anushka medar. Manasi Mane.	K.L.E. B. & CBSE School Ankali		58
03.	Suprat Tanadhare Bharat Panutagale	New High School Raibab		1
04	Adarsh Dhampgi	"	A.S.D.	2



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05/01/2024

Department of Physics

Organises a

Science Exhibition Chikodi Educational District level

Participants List

Sl. No	Name of the Student	Name of the School	Sign
05	Rashmi Keeli Asha Kurabet Kartik Niralogi Manoj Babli	Shri mahalingeshwar Nagnur.	Niralogi
06	Anagha chougale Mallikarjun Anabandi Nikhil Mahadaj	A.P.G.H.S. chinchari	
07	Ananyo Banasi Mukta Ganiga Sporoti hiranath Vaishnavi Shivapur	Ganadhar English medium School Shindar.	

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05/01/2024

Department of Physics

Organises a

Science Exhibition Chikodi Educational District level

Participants List

Sl. No	Name of the Student	Name of the School	Sign
8	Shivanand, S. Mali Rutik, S. Shinde Darshan, V. Pinpale	S.D high school Sankeshwar	S.S. Mali
9	Vinayak, N. Naik Pritham, P. Ravalog	S.D high school Sankeshwar	V.N. Naik
10	Asiya, Palegar Umrah, Patul Musaib, Ustad Sultan Tamboli	Guhp & upgraded Secondary P. m tot Kudachy	Musaib
11	Shashikala Alaz Shrinaksha Naradi Bhagyashree Bheradi Sandhya Alaz	R.P.S Bekkerre	S.R. Alaz

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05/01/2024

Department of Physics

Organises a

Science Exhibition Chikodi Educational District level**Participants List**

Sl. No	Name of the Student	Name of the School	Sign
12	Arun Naik Arip Shiladar Mahadev. Sangairol Munagesh. Malapur	Mallikarjun High School Raibag	A.B. Naik 45
13	Sarthak. Sankate Sunaj Gavannavar Anirudh Pawar	Alamprabhu Govt high school chinchani	S.P. Sankate 601
14	Niraj Kote Sabastara Gavannavar	"	N.G. Kote 60
15	Harish Katti Satish Malapur	"	H.G. KATTE 10



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23/12/2023

Department of Physics

Organises a Science Experiment Presentation competition program

Title of the Programme	Science Experiment Presentation competition program
Time and Date	12.00 pm on 23 rd December, 2023
Place	Auditorium
No. of Beneficiaries	20 students and 10 faculties
Objectives	To learn To The Experiments can help to visualize, or picture in your mind, something that is difficult to see or understand. Models can help scientists communicate their ideas, understand processes, and make predictions. For deeper understanding of science in better way.
Summary of the Proceedings	Dr B G Kulkarni, invited to deliver and motivate the students and participants. Explained how this program is going to help in choosing your higher education. Also, explained the importance of fundamental science in technology. Also, explained the how to focus on study without distractions. Students asked questions during the session. Students were motivated. He explained how to get rid of examination fear. How to remember the concepts and developing concept analysis in mind. The Experiments can help to visualize, or picture in your mind, something that is difficult to see or understand. Models can help scientists communicate their ideas, understand processes, and make predictions. For deeper understanding of science in better way.
Outcome of the Program	<ul style="list-style-type: none">• Students were actively participated.• Students were enthusiastically explaining the science.• Various innovative experiments.• Also, waste to best creation.


HOD

Head of the
Depa: nt of
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Principal

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CHIKODI - 591 201



Students with different experiments

Sai
HOD

Head of the
Department of Physics

BSB
Principal

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23/12/2023

Student Participant Attendance

Sl. No	Name of the Students	Signature
1.	Shivarej. D. Kotabagi	
2.	Sandeep G. Guclasa	
3.	Charan R. Malage	
4.	Bhaskar H. Medukannavar	
5.	Prem. M. Madelli	
6.	Neminath. Kothali	
7.	Jaydeep. Patil	
8.	Kalmesh. K. Aotus	
9.	Soumya S. Patil	S. S. Patil
10.	Ankita I. Patil	
11.	Mahashweta M. Bhiste	
12.	Lazmi B. Kokabara	
13.	Jyoti S. Thakkannavar	
14.	Srushti A. Nadakeri	
15.	Srushti Bikkannavar	
16.	Avantika lohar	
17.	Sanjana pawar	
18.	Shivani. Paul	
19.	Pooja S. Dabb	
20.	Podvi. A. Barakale	
21.	Vaishnavi A. Patole	
22.	Vasundhara V. Patil	
23.	Samreen-M. Patel	
24.	Tasneem. Z. Patel	
25.	Shikha N. Nikam	
26.	Akshada T. Paramanath	
27.	Sankranti Tanaji Lagale	

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 Head of the
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05/06/2023

Department of Physics

Title of the Programme	Essay Competition organized on eve of "World Environment Day" Theme: Beat Plastic Pollution for all the BA, BSc and BCom students
Time and Date	10.30 am on 3 rd June, 2023
Place	Department of Physics
No. of Beneficiaries	36 students and 02 Faculty member
Objectives	World Environment Day 2023 is hosted by Côte d'Ivoire and supported by the Netherlands and the theme will focus on solutions to plastic pollution under the campaign #Beat Plastic Pollution. It is a reminder that people's actions on plastic pollution matters. The steps governments and businesses are taking to tackle plastic pollution are the consequence of this action. Create awareness and encourage efforts to protect the environment Students should stop the usage of plastic
Summary of the Proceedings	Around 36 students were participated, in essay competition. All are well written and indicated their interest to protect nature and given many new solutions. Their active participation is clearly indicates the concern. Karnataka State Pollution Control Board Chikodi given prizes for best 3 prizes and 2 are consolation. 1) Priya M Jeergal BA 2 nd Sem 2) Komal Mali BSc 6 th sem 3) Pallavi Patil BSc 2 nd Sem 4) Laxmi Patil BSc 6 th sem 5) Swati Madihalhi BA 2 nd Sem
Outcome of the Program	Students have benefited a lot with full knowledge of environment protection and its policies. How plastic is harmful for nature and impact on human health.

HOD Head of the
Department of Physics
B. K. College, CHIKODI

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Prize winners photo

I	Priya M. Jeevayal	B.A. II Sem
II	Kamal Nitin Mali	B.Sc. VI Sem
III	Pallavi A. Patil	B.Sc. II Sem
IV	Laxmi M. Patil	B.Sc. VI Sem
V	Swati N. Modihalli	B.A. IV Sem

Head
(CR. Unit)

* Winner's List *

I	Priya M. Jeevayal	B.A. II Sem	I Prize
II	Kamal Nitin Mali	B.Sc. VI Sem	II Prize
III	Pallavi A. Patil	B.Sc. II Sem	III Prize
IV	Laxmi M. Patil	B.Sc. VI Sem	Consolation - I
V	Swati N. Modihalli	B.A. IV Sem	Consolation - II

Matteppanavar

Dr. Shidaling Matteppanavar
Principal Investigator
KLES'S B. K. Arts, Science &
Commerce College, CHIKODI 591201



DEPARTMENT OF PHYSICS

On eve of World Environmental Day 2023 Essay Writing Competition is organized in association with Karnataka State Pollution Control Board Chikodi

Date: 03-06-2023

Attendance

Sl No.	Name of the student	Class	Signature
01)	Sujata .L. Magadum	B.Sc IV sem	<i>Sujata</i>
02)	Soumya G Latte	B.Sc IV sem	<i>Latte</i>
03	Swati N. Madihalli	B.A IV sem	<i>Swati</i>
04.	Sakshi. N. Madihall	BA IV sem	<i>Sakshi</i>
05	Suketa .L. Borannavar	B.com IV sem	<i>Suketa</i>
06	Amruta .B. Chavan	B.Sc -II sem	<i>Abhivansi</i>
07	Soujanya .K. More	B.Sc -II sem	<i>Soujanya</i>
08	Laxmi .D. Karnate	B.Sc -II sem	<i>Pokarnate</i>
09	Preeti .B Kattimani	BSC -II sem	<i>Preeti.B.</i>
10	Reena .R. Ningappaiah	B.com -IV sem	<i>Reena</i>
11	Pallavi A. Patil	BSC -II sem	<i>Patil</i>
12	Ashwini .S. Devanagel	BA - II Sem	<i>Ashwini</i>
13	Aishwarya. Mishrikoti	Bsc -IV Sem	<i>AMM</i>
14	Roopali .Walake	Bsc -IV sem	<i>R.P. Walake</i>
15	Megha .Puthari	B.com II Sem	<i>Megha</i>
16	Roya .S. Bhabuje.	B.Sc II Sem	<i>Bhabuje</i>
17	Bhagyashree .V. Malage	B.Sc II Sem	<i>Bhage</i>
18r	Sahana .J. M	Bsc .II sem	<i>Sahali</i>
19)	Shubham V. Naik	BA VI sem	<i>Shubham</i>
20)	Siddharood .n. Bekrimavur	B.Sc II sem	<i>Siddharood</i>
21)	Siddharth .R. Patil	B.Sc III sem	<i>Siddharth</i>

921
20

STUDENT NAME	TARGET	TOTAL MARKS OBTAINED
DATE	DATE	

ಹೆಸರು :- ಲಲಿತಾ.ಎಂ. ಜೇತಗೃಹ ವರ್ಗ :- ಬಿ.ಎ II^{ನೇ} ಸೆಮೆ
 Cell No :- 6363921221

ಪ್ರಾಚಾರ್ಯರ ಪ್ಲಾಸ್ಟಿಕ್ ಅಲ್ಲ-ಅವರಲ್ಲನ ವಿಷಯವನ್ನು ಕಾಣು.....

ಪ್ಲಾಸ್ಟಿಕ್ ನನ್ನು 1907 ರಲ್ಲಿ ಪೆಟ್ರೋಲಿಯಂ ಮತ್ತು ಮಾರಕ
 ಸಂಶೋಧನೆ ಹಾಕಿ ಎಲ್ಲರೂ ಅವಲಂಬನೆ ಆಗುವ ಹಾಗೆ ಮಾಡಿದ ಈ
 ಪ್ಲಾಸ್ಟಿಕ್ ಇದು ಲ್ಯಾಸ್ಟಿಕ್ ಹಾಗೂ ಪ್ಲಾಸ್ಟಿಕ್ ಸಂಶೋಧನೆ ಕೆಲಸ
 ಗಳಿಂದ ಶಾಖದಿಂದ ಆಯ್ದುಬಂದಿ ಯಾವುದೇ ಪದಾರ್ಥಗಳನ್ನು
 ಸಿಂಥೆಸಿಸ್ ಮಾಡುವುದಕ್ಕಾಗಿ ಆಯ್ದುಬಂದಿದೆ

ಈ ಪ್ಲಾಸ್ಟಿಕ್ ಸೃಷ್ಟಿಗೊಳಿಸುವುದು ಅದರ ಕಾರಣ ಕೆಲಸ
 ಮಾಡುವ ಪದ್ಧತಿ ಪ್ರಾಣಿಗಳಲ್ಲದೆ ಸಸ್ಯಗಳೂ ಕಂಡುಬಂದಿರುವ
 ಇದು ಮಿಕ್ಕ ವರ್ಷ ಹೋದರೂ ಕಂಡುಬಂದಿಲ್ಲ ಕೃಷಿಯು ಮೂಲ
 ಕಾರಣ ದೊಡ್ಡದಲ್ಲ ಆದರೆ ಹೆಚ್ಚು ಲ್ಯಾಜಿ ಈ ಪ್ಲಾಸ್ಟಿಕ್ ನಿಂದ
 ಕೂಡಿದೆ ಇದರಿಂದ ಅಂತಿಮದಲ್ಲೂ ಕೃಷಿ ನೆರವಾಗಿದೆ
 ಒಂದು ಕಾರಣಗಳಿಂದಲೂ ಮಾರಕ ಕಾರಣಗಳನ್ನು ನಾವು ಕಂಡು
 ಕೊಳ್ಳುತ್ತೇವೆ

ಅದರ ಇದರ ಮೃತ್ಯುಂಜನಗಳನ್ನು ಕಾಣುತ್ತಾ ಕಲವಾರು
 ರಾಜ್ಯಗಳು 1977ಕ್ಕೆ ಹೆಚ್ಚು ಹಾಗೂ ಸುಮಾರು 57 ಕ್ಕೆ ಹೆಚ್ಚು
 ರಾಜ್ಯಗಳು ಪ್ಲಾಸ್ಟಿಕ್ ಮೇಲೆ ಬಂಧನ ಒತ್ತಿಟ್ಟಿರುವುದನ್ನು ಕಂಡು
 ಹಾಕಿ ಕೆಲವು ಬಾಂಧವ್ಯಗಳೂ ಅಥವಾ ಮಿಕ್ಕ ರಾಜ್ಯಗಳು ಸಂವಿಧಾನ
 ವಾಗಿ ಪರಿಷಲಿಸುವ ಗುಣವು ಮಹಾತ್ಮಾ, ಕೆರ್ಟ್, ಗೋವ್, ಮುಖ್ಯಮಂತ್ರಿ
 ಮಧ್ಯಪ್ರದೇಶ (ಇಂಡೋರ್). ಈ ಎಲ್ಲ ರಾಜ್ಯಗಳು ಪ್ರಯತ್ನ ಮಾಡಲು
 ಸಮ್ಯುಕ್ತ ಯೋಜನೆ ಸಿದ್ಧವಿಲ್ಲ. ಕೆಲವು ಕಾನೂನು, ನಿಯಮಗಳಿಗೆ ಅಲ್ಲ
 ಅದರ ಸಮ್ಯುಕ್ತ ದೃಷ್ಟಿಗಾಗಿ ಈ ಪರಿಷಲಿಸುವುದು ಅದರ ಉಪಯೋಗವನ್ನು
 ಕಡಿಮೆ ಅಲ್ಲ. ಸಂವಿಧಾನವಾಗಿ ಕಡೆಗಟ್ಟಿಸಲಾಗಿದೆ.

- * ಪ್ಲಾಸ್ಟಿಕ್ ಉತ್ಪಾದಕ ಕಾರಣಗಳು :-
- * ಮೂಲಯುಗದ ಸಮ್ಯುಕ್ತ ಜನನಂಜನ. ಈ ಜನಜನಗಳನ್ನು ಆಗಿರಲೇ ಬಂದಿವೆ
 ರಿಂದ ಕೂಡಿದೆ. ಅವರು ಸ್ವಲ್ಪ ಒಂದು ಉಪಯೋಗಗಳ ಈ ಪ್ಲಾಸ್ಟಿಕ್ ನನ್ನು
 ಕಂಡುಕೊಳ್ಳುವುದು ಸುಲಭ.

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ಕೆ 4

ನನಗೆ ಕಾಡಿದ ಸತ್ಯ ಕಥೆ

- ಶ್ರೀ ರಾಜೇಶ ಆರ್ ನಾಯ್ಕ, ಕಲ್ಕತ್ತಾ ಉಪನ್ಯಾಸಕರು

ಇದು ನನಗೆ ಕಾಡಿದ ಸತ್ಯ ಕಥೆ ಎಲ್ಲೋ ಒಂದು ಕಡೆ ಓದಿರಿ. ಕಣ್ಕಾಣಿಕೆಗಳು ಒದ್ದೆಯಾದವು.

ಅಂದು ಕೆನರಾ ಬ್ಯಾಂಕಿನ ಕ್ಯಾಲೆ ಕೌಂಟರ್ ಬಹಳ ದೂರ ಇತ್ತು. ಅಲ್ಲಿ ಒಬ್ಬರು ಸುಮಾರು 75 ವಯಸ್ಸಿನ ವೃದ್ಧರೊಬ್ಬರು ಕೈಯಲ್ಲಿ ಪೆಟಿಯೊಂದನ್ನು ಹಿಡಿಯುಕೊಂಡು ಬಂದಿದ್ದರು. ಕ್ಯಾಶಿಯರ್ ಅವರ ಅಕೌಂಟು ಪರಿಶೀಲಿಸಿದಾಗ ಕೇವಲ ರೂ. 660 ಇತ್ತು. ಕಳೆದ ಎರಡು ತಿಂಗಳಿಂದ ಪಡಿಸಿದ್ದು ಅಕ್ಷಯ ಮೂಲ ಲೋನ್ ನ 14,000 ರೂ ಕಂತನ್ನು ಕಟ್ಟಿರಲಿಲ್ಲ ಅವರು. ಕ್ಯಾಶಿಯರ್ ಬಹಳ ಒಟ್ಟನಲ್ಲಿದ್ದ. ಏನಪ್ಪಾ ಕಳೆದ ಎರಡು ತಿಂಗಳಿಂದ ಕೆಂಕು ಕಟ್ಟಿಲ್ಲ ಪಾತೆಯಲ್ಲಿ ಪಣ ಇಲ್ಲ ಎನಗಿದೆ ನಿಮಗೆ ಎಂದು ಕೂಗಾಡಿದ. ಅದ್ವ ಮೆಲ್ಲಗೆ ಹೇಳಿದ "ನೋಡಿ ಸರ್ ಮಗ ಪಾತೆಗೆ ಪಣ ಪಾಕಿರ್ತಾನೆ ಚೂರು ಚೆಳೆ ಮಾಡಿ" ಉಗ ಕ್ಯಾಶಿಯರ್‌ನ ಜಿಹಿ ಸರನೆ ಎತ್ತು. "ನೋಡಿ ಅದ್ವ ಆಗಲಿಂದ ಹೇಳಿದ್ದೇ ಹೇಳುತ್ತೀರಲ್ಲ, ತಲೆ ಸರಿ ಇಲ್ಲಾ? ಮಗ ಪಣ ಪಾಕಿಲ್ಲಾ. ಪಾತೆಯಲ್ಲಿ ಪಣ ಇಲ್ಲ. ಎಲ್ಲಿಂದ ಬರ್ತಿರ್ತಪ್ಪಾ ನೀವೆಲ್ಲಾ?"

ಉದಾಹರಣೆ ಜೋರಾಗಿ ಕೂಗಿದ. ಬ್ಯಾಂಕಿಗೆ ಪ್ರತಿಧ್ವನಿಸಿತು. ಎಲ್ಲರೂ ಆ ವೃದ್ಧರನ್ನು ಒಂದು ರೀತಿ ಅಸಹ್ಯವಾಗಿ ಕಾಣಬಾರಂಥವರಾದರು. ಆ ಸ್ವರ ಇಡೀ ವೃದ್ಧರಿಗೂ ಸಾಚೆಯಾಗಿ ಅಲ್ಲೇ ವಕ್ರಕ್ಕೆ ಹೋಗಿ ತಮ್ಮ ಮಗನ ದೂರವಾಣಿ ಸಂಪ್ಯಗ ಕಲೆ ಮಾಡುತ್ತಿದ್ದರು. ಕಲೆ ಪೂರೈರಲಿಲ್ಲ. ಕ್ಯಾಶಿಯರ್‌ನ ಸಿಟ್ಟು ತಗ್ಗಿರಲಿಲ್ಲ. ನೋಡಿ ಅದ್ವ ನಿಮ್ಮ ಗ್ರಹ ಸಾಲ ಮುಗಿಯಿತು ಇನ್ನೂ 7 ಕಂತುಗಳು ಪಾಕಿ ಇವೆ.

ಉಗಾಗಲೇ ಎರಡು ಕಂತು ಕಟ್ಟಿಲ್ಲ ಮುಂದಿನ ತಿಂಗಳು ಕಂತು ಕಟ್ಟದಿದ್ದಲ್ಲಿ ಮನೆ ಜಪ್ತಿ ಮಾಡುತ್ತೇವೆ ಓಗೇ ಮಾಡಿದಾಗಲೇ ನಿಮ್ಮಂತವರಿಗೆ ಬುದ್ಧಿ ಬರುವುದು" ಅಂದ ಸಿಟ್ಟಿನಲ್ಲಿ.

ಅದ್ವನ ಕಣ್ಣುಗಳು ಮಂಜಾಗಿದ್ದವು. ಮತ್ತೆ ಮತ್ತೆ ಅದೇ ಸಂಬರಿಗೆ ಕಾಲ ಮಾಡುತ್ತಿದ್ದರು ಅವರು. ಇದನ್ನೆಲ್ಲಾ ನೋಡುತ್ತಿದ್ದ ಅದೇ ಬ್ಯಾಂಕಿನ ಉದ್ಯೋಗಿಯೊಬ್ಬರು ಅದ್ವನ ಸಮೀಪ ಬಂದರು. ಅದ್ವನನ್ನು ಪಕ್ಕಕ್ಕೆ ಕರೆಸಿ ಅದ್ವನಲ್ಲಿ ಮಗನ ಸಂಬರನ್ನು ಕೇಳಿ ತಮ್ಮ ವೋಚಿನಲ್ಲಿ ರಿಂಗ ಮಾಡಿದಾಗ ಅಶ್ಚರ್ಯವೆಂಬಂತೆ ವೋಚ್ ರಿಂಗಾಯಿತು. ಪರ್ಲೋ ಎಂದು ಒಬ್ಬ ಹಂಗಸಿನ ಧ್ವನಿ ಅವರನ್ನು ಅಶ್ಚರ್ಯಗೊಳಿಸಿತು. ಅದ್ವ ಇದು ತನ್ನ ಮಗನ ಸಂಬರು ಎಂದಿದ್ದರು. ತಕ್ಷಣ ಅವರು ಅದ್ವನ ವಿಷಯ ತಿಳಿಸಿದರು. "ಆ ಹಂಗಸಿನ ಧ್ವನಿ ಬದಲಾಗಿತ್ತು. ಅಕೆ ಅಳುತ್ತಿದ್ದರು. ಒಂದು ಕ್ಷಣ ಸ್ವಭಾವಾಗಿಯೇ ಅಕೆ ಮುಂದುವರಿಸಿದಳು. ಬೆಂಗಳೂರು ಧ್ವನಿ "ಹಾಂ. ಸಾಮಿ ರೂಪ, ಅವರು ನನ್ನ ಮಾತೆ ಅಂದರೆ ನನ್ನ ಗಂಡನ ತಂದೆ. ಅಲ್ಲಿ ಅವರು ಮನೆ ಕಟ್ಟಿದ್ದು ತಂದೆ ಪಾಯಿಯನ್ನು ನೋಡಿಕೊಂಡು ಮನೆಯ ಸಾಲದ ಕಂತು ಕಟ್ಟುತ್ತಿದ್ದರು. ಆದರೆ ಕಳೆದ ತಿಂಗಳು ನನ್ನ ಗಂಡ ಸಮಾಧಿಯಾ ಬೈಸ್ ಅಪಘಾತದಲ್ಲಿ ತೀರಿಕೊಂಡರು" ಅಕೆಯ ಅಳು ಜೋರಾಗಿತ್ತು. "ಜೀವನದ ಕೊನೆಯ ತನಕ ನನ್ನೊಂದಿಗೆ ಇರುತ್ತೇನೆ ಎಂದವರು ಅರ್ಧಕ್ಕೆ ನೆನಪುಗಳು ಮತ್ತು ನೋವುಗಳನ್ನೆಲ್ಲಾ ಬಿಟ್ಟು ಹೋದರು" ಓಗೇಸುವಾಗ ಅಕೆಯ ಅಳು ಮತ್ತಷ್ಟು ಜೋರಾಗಿತ್ತು. "ಹಾಂ. ನಮ್ಮ

ಮಹಲಿಂಗನ ಬಳ್ಳಿ

- ಓರ್ ಉಪೇಶ ಲಾ ವಾಂತ್ಯ
ವ್ಯವಸ್ಥಾ ಉಪಾಧ್ಯಾಯ

ಇಮ್ಮಡಿ ದೀಪಾವಳಿಯ ಸಮಯದಲ್ಲಿ ಈ ಬಳ್ಳಿಯನ್ನು ತಂದು ಪ್ಯಾಸದ ನೀರನ್ನು ಕಾಯಿಸಿದ ಅಕ್ಕಿ ಅದನ್ನು ಸುತ್ತಿವರು. ಈ ಬಳ್ಳಿಗೆ ಸಮೃದ್ಧಿ ಮಹಾಲಿಂಗನ ಬಳ್ಳಿ ಎನ್ನುವರು. ಆದರೆ ಪ್ರತಿ ಕಾಯಿಯ ಒಳಗೆ ಹಲವಾರು ಬೀಜಗಳಿದ್ದು ಅದು ಬೀಜ ಮತ್ತು ಕೆಲವು ಎರಡೂ ಕಡೆಯಿಂದ ಗೋಡೆಗಳಿಗೂ ಹಿಪರಿಂಗದ ಅಕಾರವನ್ನು ಹೋಲುತ್ತದೆಯೆಂದು ಹೀಗೆ ಕರೆಯಬಹುದು. ಬೇರೆ ಬೇರೆ ಕಡೆ ಇದನ್ನು ಬೇರೆ ಬೇರೆ ಹೆಸರಿನಿಂದ ಕರೆಯುತ್ತಾರೆ. ಸಮೃದ್ಧಿ ದೀಪಾವಳಿಯ ದಿನದ ವಿಶೇಷಗಳಲ್ಲಿ ಈ ಬಳ್ಳಿಯೂ ಒಂದು ಕಷ್ಟಕರ:- ಲಿಂಗ ಕಾಂಡ ಬಳ್ಳಿ, ಮಹಾಲಿಂಗನ ಬಳ್ಳಿ, ಶ್ಯಾಮಲಾಯ ಹೆಸರು- ದಿವ್ಯ ಸೈಕೋಸ್ ವಾಮಬ್ ಲಿಫ್, ಕುಟುಂಬ- ಕಿಷಕೇಶಿಕ (ಕುಂಬಳಕಾಯಿ ಕುಟುಂಬ)

ಇತರೆ ಹೆಸರು : ಇಂಗ್ಲಿಷ್ ಹೆಸರು ಲಾಲಿಪಲ್ ಕ್ರಿಂಬಲ್, ಮಾರ್ಬಲ್ ವೈನ್

ಸಂಸ್ಕೃತ : ಅಜಾಸಂಧಿನಿ, ಬ್ರಹ್ಮಮುಕ್ತಾ ಬಳಸುವಾಗ ಚಂದ್ರ ಚಿತ್ರಾಪಾಲಾ ವೇದಿ, ಅಶ್ವರಿ, ಲಿಂಗಜ, ಲಿಂಗಸಂಬುಕ ಲಿಂಗಿ, ಲಿಂಗೇಶಿ, ಪಂಡೇರಿ, ಹಿಪರಿಂಗಿ, ಕೈಪಮಾರಿಕೆ, ಹಿಪಜ, ಹಿಪವಳ್ಳಿ, ಸ್ವಾಯಂಬು.

ಬಂಗಾಳಿ: ದಾಣಾ

ಹಿಂದಿ : ಹಿಪರಿಂಗಿ, ಪುಟ್ ಲಾಗುರಿ, ಬಂಕೆತ್ತಿ

ಪೂರ್ವಪ್ರಾಚೀನ: ಇವಿಲಾಲಿಕೋವಾ, ನಹನಿಯಮಣಾ, ಕಾಯಿಯುಣಿ ಮಲಾಲಾ: ಹಿಪರಿಂಗೀ, ಕಪ್ಪುಲೇರಿ

ನೇಪಾಳ: ಹಿಪಲಿಂಗ ಹಿಪರಿಂಗಿ
ತಮಿಳು: ಐವಿಲಾಲಿಕ್ಯೈ, ಹಿಪಲಿಂಗಕ್ಯೈ
ಇವವರಿ
ತೆಲುಗು: ಲಿಂಗ ರಂಜಾ
ಸದ್ಯ: ಐಯವೇರಿ, ಐವವಿಲಾಲಿ
ಜನಪದ: ಲಿಂಗಡಾಂಡ

ಸಸ್ಯ ವಿವರಣೆ:-
ಮಹಾಲಿಂಗ ಬಳ್ಳಿಯು (ದಿವ್ಯಸೈಕ್ಲೋಸಾ ಪಾಮುಟಿಸ್ ಲಿಫ್) ಕಡಿಮೆ ಪ್ರಮಾಣದ ಕೇಂದ್ರೀಕೃತ ಆಯುರ್ವೇದ ಸಸ್ಯವಾಗಿದ್ದು, ಸಂಪಾನೋತ್ಪತ್ತಿ ದೀಪಧ (ಸ್ತ್ರೀ ಬಂಜಿತನ, ಕಾರೋತ್ಸೇಜಕ, ಟಾನಿಕ್, ಲ್ಯುಗೋರೋಪಯ ಇತ್ಯಾದಿ), ಸಸ್ಯವು ವಿಶೇಷವಾಗಿ ಹಣ್ಣುಗಳು ಇಂದಿಗೂ ಸಹ ಅಪಾರ ಪಾಪಪದ ಬಳಕೆಯನ್ನು ಹೋಂದಿದೆ. ಇದನ್ನು ಆಯುರ್ವೇದ ಶಾಸ್ತ್ರೀಯ ಪದ್ಧತಿಗಳಲ್ಲಿ ಉಪನಿಭಂಜನ ಮತ್ತು ನಿಭಂಜನ-ರಕ್ತಾಕರದಲ್ಲಿ ವರ್ಣಿಸಲಾಗಿದೆ.

ಈ ಸಸ್ಯವು ಲೊಡ್ಯಲಾದ, ಕೊಳವೆಯಾಕಾರದ ವೃಂದಾಕಾರವನ್ನು ಹೊಂದಿರುತ್ತದೆ ಮತ್ತು ಬಹಳ ಕೆಳವಾದ, ರೋಮಾಂಶಕವಾಗಿರುತ್ತದೆ, ಅನೇಕವೇಳೆ ಗುರುತಿಸಲ್ಪಟ್ಟಿರುವ, ಕಡು ಹಸು ಕಾಂಡಗಳು ಮತ್ತು ಉದ್ದದ ಅಂಜಿಗಳನ್ನು ಹೊಂದಿರುತ್ತದೆ ಎಲೆಗಳು ಸರಳ, ಪರ್ಯಾಯ, ಪೊರೆ. 7.5-12.5 ಸೆಂ.ಮೀ ಉದ್ದ ಮತ್ತು ವಿಶಾಲವಾದ, ಅಂಡಾಕಾರದ-ರೋಟುಂಡೇಟ್ ರೂಪದ, ಅವುಗಳು ತಳಭಾಗದಲ್ಲಿ ಬಹಳ ಅಳವಳಿ ಕಾರ್ಡೇಟ್ ಆಗಿರುತ್ತವೆ. ಸುಮಾರು 5 ಲ್ಯಾನ್ಸಲೇಟ್ ಅಥವಾ ರೇಖೀಯಂ.

ಹೀದ್ರವಾದ, ಒರಟಾದ ಸ್ಪೈಕ್ ಭಾಗಗಳು ಬೇರ್ಪಡುತ್ತವೆ, ಎದು ತಳಭಾಗಗಳು ಅಳವಳಿ ವೆಜೀಟ್ ಆಗಿರುತ್ತವೆ. ತೊಟ್ಟುಗಳು 2.5-3.7 ಸೆಂ.ಮೀ. ಉದ್ದ ಸ್ಪೈಕ್ ಮತ್ತು ತೆಳಗಿನವು.

ಹೂಗಳು:- ಗಂಡು ಮತ್ತು ಹೆಣ್ಣು ಹೂವುಗಳನ್ನು ಹೊಂದಿರುತ್ತವೆ, ಹೂಗಳು ನಿಯಮಿತವಾಗಿರುತ್ತವೆ ಮತ್ತು ಹಸು-ತಳು ಹಳದಿ ಬಣ್ಣದಲ್ಲಿರುತ್ತವೆ.

ಗಂಡು ಹೂವುಗಳು 3-6 ಸಣ್ಣ ಕೇವಲಿರುತ್ತವೆ, ಕೇವಲಗಳು
ಸ್ತ್ರೀ ಹೂವುಗಳು ಒಂಟಿಯಾಗಿರುತ್ತವೆ ಅಥವಾ ಕೆಲವು ಮತ್ತು ಒಂದೇ ಕಣಗಳಲ್ಲಿ ಸಮೂಹಗಳಲ್ಲಿ ಸಂಭವಿಸುತ್ತವೆ. ಸೂರ್ಪಗಳು 5, ಕಪ್-ಅಕಾರದ ಕ್ಯಾಲಿಕಲ್, ರೇಖಾತ್ಮಕ ರೇಷಿಂಗಳು, ಸಿರಿಭಾವರ್ಷ ಮತ್ತು ರೋಮಾಂಶಕಗಳಾಗಿ ಸಂಯೋಜಿಸಲ್ಪಟ್ಟವೆ ಮತ್ತು 5, ಸುಮಾರು 1/4 ರಾಂ ಅಥ ಸಂಯೋಜಿತವಾಗಿ ಭಾಗಗಳು ಅಂಡಾಕಾರದ ಆಯುಷಾಕರದ, ಹಿಪ್ಪ ಮತ್ತು ಹರೆಯದ, ಅಂಡಾಕಾರವು ಕೆಳಮಟ್ಟದ ಗೋಳಾಕಾರ, ರೋಮರಹಿತ, ಕೈಲಿ ತೆಳುಬಾಗಿರುತ್ತದೆ.

ಹಣ್ಣು ಗೋಳಾಕೃತಿಯಿಂದ ಕೂಡಿದೆ, 1.8 ರಿಂದ 2.5 ಸೆಂ.ಮೀ. ಹಣ್ಣುಗಳು ಅಂಭದಲ್ಲಿ ಏಳು ದಿಳುಪುಳ್ಳ ಪಟ್ಟಿಗಳನ್ನು ಹೊಂದಿರುವ ಹಸು ಬಣ್ಣದಲ್ಲಿರುತ್ತವೆ ಮತ್ತು ಸುತರ ಹಳದಿ ಬಣ್ಣದಲ್ಲಿ ಕೆಂಪು ಬಣ್ಣದ ಕಿತ್ತಳೆ ಬಣ್ಣದ ಬಣ್ಣವನ್ನು ಹೊಂದಿರುತ್ತವೆ. ಇದು ಲಾಲಿಪಲ್ ಅನ್ನು ಹೋಲುತ್ತದೆ ಅದ್ದರಿಂದ ಸಸ್ಯವನ್ನು ಲಾಲಿಪಾಲ್ ಕ್ರಿಂಬಲ್ ಎಂದೂ ಕರೆಯಲಾಗುತ್ತದೆ.

ಬೀಜಗಳು 5-6 ಮಿ.ಮೀ ಉದ್ದವಿರುತ್ತವೆ, ಬದಿಗಳಲ್ಲಿ ಎದ್ದು ಕಾಣುವ ಒಂದು ಬೃಹತ್ ವ್ಯಾಂಟ್ ಆಂಜಿಲ್ಲಿರುವ ಗಿಬ್ಬೆ

ಹಿಪಧೀಯ ಉದ್ದೇಶಕ್ಕಾಗಿ ಬಳಸಲಾದ ಭಾಗ (ಉ): ಹಣ್ಣುಗಳು, ದೀಪಗಳು, ಸಸ್ಯ ವಿಧ / ಬೆಳವಣಿಗೆ ಅಧ್ಯಾಯ: ಐವಿಲಾಲೀಸ್ ಕ್ರಿಂಬಂಗ್ ಮೂರಿಕೆ, ಅದ್ದಿ: ದೀಪಾಕಾರೀ ಭಾಲಕದಲ್ಲಿ ಅಂಭವುಬೀಜ, ಅಡುಕಾಪಲ ಪ್ರದೇಶ, ಕಿಷಾಲ, ಪಾಮಿಂಟ್, ಗೋವಾ, ಗುಜರಾತ್, ಹಿಮಾಚಲ ಪ್ರದೇಶ, ಜಮ್ಮು ಮತ್ತು ಕಾಶ್ಮೀರ, ಕರ್ನಾಟಕ, ಕೇರಳ, ಮಧ್ಯಪ್ರದೇಶ, ಭಕ್ತೀನಗಢ, ಮಹಾರಾಷ್ಟ್ರ, ಪಾಕಿಸ್ತಾನ, ಉಪಸ್ಯಾನಿ, ತಮಿಳುನಾಡು, ತ್ರಿಪುರ, ಉತ್ತರ ಪ್ರದೇಶಗಳಲ್ಲಿ ಬಳಸುತ್ತಾರೆ.

ಹಂಚೆ : ಭಾರತ, ಭೂಪಾಲ್, ಜೇಷ, ನೇಪಾಳ, ಪಾಕಿಸ್ತಾನ, ರೈಲ್ವಾಂಟ್, ರಕ್ತಿಕ ಜವಾನ್, ತ್ರೀಲಂಕಾ, ಕಿರಿಬೈಲ್, ಇಂಡೋನೇಷ್ಯಾ, ಪಪುವಾ ನ್ಯೂಗಿನಿಯಾ, ಉದ್ದಲಯದ ಆಫ್ರಿಕಾ, ಅಸ್ಟ್ರೇಲಿಯಾ ಮತ್ತು ಕಿರಿಬೈನ್ ದ್ವೀಪಗಳು. ಅವಾಸವನ್ನು: ಉದ್ದಲಯದ ಮತ್ತು ಉದ್ದೇಶಪ್ರದಲಯದ ಪ್ರದೇಶಗಳು. ಹೂವಿಡುಮಿಕೆ: ಆಗಸ್ಟಿನಿಂದ ಅಕ್ಟೋಬರ್.

ಒಳಗೊಂಡಿರುವ ಅಂಶಗಳು : ಕಡಿ ಕಷ್ಟ ಬೀಜಗಳು 12% ತೈಲ, ಪ್ಲೋಟೀನ್, ಗೋನಿಂಪೋಲಿನ್, ಪ್ರೋಟೀನಿನ್, ಪುನಿಲ್ಯೂಸ್ ಮತ್ತು ಲಿಪಿಡ್ಗಳನ್ನು ಒಳಗೊಂಡಿರುವ ಎಂಜಿ ವರದಿಯಾಗಿದೆ. ಬೀಜದ ಎಕ್ಸ್‌ಟ್ರಾಕ್ಟ್ ಪ್ರೋಟೀ ಆಸಿಡ್ (38.2%) ಇರುತ್ತದೆ. ನೈಮಾಂಶ ಭಾಗಗಳ ಎಥನೋಲಿಕ್ (50%) ಪಾಂಡಿ ಸ್ಯಾನ್‌ನೋಲಿಕ್ ಎಂದು ಕಂಡುಬರುತ್ತದೆ.

ಪ್ರಮುಖ ಹಿಪಧೀಯ ಗುಣಗಳು: ಇದು ಒಂದು ಹಿಪಧೀಯ ಸಸ್ಯವಾಗಿದೆ ಮತ್ತು ಇದರ ಎಲೆಗಳು, ಹಣ್ಣುಗಳು, ದೀಪಗಳು, ಬೇರುಗಳು, ಇವುಗಳನ್ನು ಹಿಪಧೀಯ ಉದ್ದೇಶಕ್ಕಾಗಿ

ಬಳಸಲಾಗುತ್ತದೆ. ಇದೇ ಸಸ್ಯವು ಗ್ಯಾಲಕ್ಟೋಗ್ ಮತ್ತು ವಿರೇಚಕವಾಗಿದೆ. ಸಸ್ಯವನ್ನು ಎಚ್ಚರಿಸಿಕೊಳ್ಳುವ ಕಾಯಿಲೆಗಳಲ್ಲಿ ಬಳಸಲಾಗುತ್ತದೆ.

ಇದು ಕೊಡುವ ಗಿಡದ ಕಾಯಿಲೆಗಳಿಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಸಸ್ಯವನ್ನು ನಿರೋಧಿಸಲು ಮುಖ್ಯವಾದ ಸಂದರ್ಭದಲ್ಲಿ ಸಸ್ಯದ ಎಲೆಗಳನ್ನು ನೀಡಲಾಗುತ್ತದೆ. ಎಲೆಗಳು ಸಂಕ್ಷೇಪಿತ ಸಂಪುನಿರೋಧಕ ಮತ್ತು ಸಂಕ್ಷೇಪಕ ಗುಣಲಕ್ಷಣಗಳನ್ನು ಸಹ ಪ್ರದರ್ಶಿಸುತ್ತವೆ. ಪುಡಿಮಾಡಿದ ಬೀಜಗಳು ಮತ್ತು ಬೀಜಗಳನ್ನು ಮುಳುಕಿಸಿ ಮಾನವರ ಆರೋಗ್ಯಕ್ಕೆ ಸಹಾಯಕ ಮಾಹಿತಿ ನೀಡಲಾಗುತ್ತದೆ.

ಇದು ಕೂಡ ಸಸ್ಯ ಮತ್ತು ಬಾನಿಕ್ ಗುಣಲಕ್ಷಣಗಳನ್ನು ಹೊಂದಿದೆ ಮತ್ತು ಕ್ಯಾಲ್ಸಿಯಂ ಅಗಿ ಬಳಸಲಾಗುತ್ತದೆ. ಅರಿಯೋಷದ ಪೀಲ ಎಲೆಗಳನ್ನು ಪ್ರಚರಿಸುವ ಅಸ್ವಯಸ್ಥರಾಗುತ್ತದೆ. ಅತಿಸಾರ, ಭೇದಿ, ಸ್ವಲ್ಪ ಇತ್ಯಾದಿಗಳಿಗೆ ಕೂಡ ಸಹ ಮುಖ್ಯವಾಗಿರುವುದು ಪರಿಗಣಿಸಲಾಗುತ್ತದೆ. ಎಲೆಗಳ ಅಂಟನ್ನು ಗಾಯಗಳು ಮತ್ತು ಹಿಡುಗಿನ ಅಸ್ವಯಸ್ಥರಾಗುತ್ತದೆ.

• ಬೀಜಗಳು: ಜೀವವಿರೋಧಿ, ತಿರೀಂಧ್ರ ವಿರೋಧಿ ಅರಿಯೋಷ ವಿರೋಧಿ, ಸ್ಯೂಪ್ಲೆಮೆಂಟ್, ಪುಡಿ ವಿರೋಧಿ

• ಎಲೆಗಳು: ವಿಗಿಜ, ವಿರೋಧಿ ಅರಿಯೋಷ ವಿರೋಧಿ, ಪ್ರತಿಜೀವಕ

• ಪ್ರೋಬಿಯೋಟಿಕ್ ಗರ್ಭವತಿ ಮುಳುಕಿಸಿದ ಸಸ್ಯದ ಬೀಜಗಳನ್ನು ತೆಗೆದುಕೊಂಡು ಬಿಟ್ಟು ಸಣ್ಣ ಮೂತ್ರಗಳನ್ನು ತಯಾರಿಸಿ, ಅರ್ಧ ತಿಂಗಳು ಒಂದು ದಿನದಲ್ಲಿ ಎರಡು ಮಾತ್ರೆಗಳನ್ನು ತೆಗೆದುಕೊಳ್ಳುತ್ತಾರೆ.

ಶೈಂಗಿ ಸಂಕೋಚನ, ಹೆಚ್ಚುತ್ತಿರುವ ಫಲವತ್ತತೆ, ರೋಗಪ್ರಾಪ್ತಿಯ ಸಮಸ್ಯೆಗಳನ್ನು ನಿರೋಧಿಸುತ್ತದೆ. ಅಪಧಿಗಳ ಸಮಸ್ಯೆಗಳು, ಯೋಗ್ಯ ಅಸ್ವಸ್ಥಿಗಳು.

• ಸುಖ್ಯಸ್ಥಳಕ್ಕೆ ಸಸ್ಯ ಕಡಾಯವನ್ನು ಬಾಹ್ಯವಾಗಿ ಅಸ್ವಯಸ್ಥರಾಗುತ್ತದೆ. *ಕಾರ್ಬೋನಿಕ್, ಫೈರೋಕೆಲ್ಸಿನ್- ಸಂಧ್ಯಾಕಾ ಸಸ್ಯ ವೇಸ್ ಅನ್ನು ಪ್ರಾತಿನಿಧಿಕವಾಗಿ ಅಸ್ವಯಸ್ಥರಾಗುತ್ತದೆ.

• ಕ್ಯಾಲ್ಸಿಯಂ:- ಎಲೆಯ ಸಾರವನ್ನು ಬಳಸಲಾಗುತ್ತದೆ.

• ಕೆಮ್ಮು, ಮಧುಮೇಹ, ಕೆಬ್ಬುಟ್ಟಿಯ ಅಲಿಲು: ಜೇನುತುಪ್ಪ ಅಥವಾ ಸಕ್ಕರೆಯೊಂದಿಗೆ ಎಲೆಯ ರಸವನ್ನು ನೀಡಲಾಗುತ್ತದೆ.

• ದ್ವಿರ:- ಸಸ್ಯದ ಬೀಜಗಳನ್ನು ತೆಗೆದುಕೊಂಡು ಅರಿದು, 5 ದಿನಗಳವರೆಗೆ ದಿನಕ್ಕೆ ಎರಡು ಬಾರಿ 2ಗ್ರಾಂ ತಿನ್ನಬಹುದಾಗಿದೆ *ದೇಹದ ಸುಖಮಾಡುವುದು ತಂಪಾಗಿರುವ ಹಣ್ಣುಗಳನ್ನು ಬಳಸಲಾಗುತ್ತದೆ.

• ಅರಿಯೋಷ ಪಾದಿಕ ದೇಹದ ಭಾಗದಲ್ಲಿ ಎಲೆಗಳನ್ನು ಕಟ್ಟಲಾಗುತ್ತದೆ.

• ಉಸಿರಾಟದ ಕೊಂದಿಗಳು, ಆಗ್ರಮಾ- ಎಲೆಗಳನ್ನು ಶೈಂಗಿ ಎಣ್ಣೆಯಲ್ಲಿ ಹುರಿಯಲಾಗುತ್ತದೆ ಮತ್ತು ತೆಗೆದುಕೊಳ್ಳಲಾಗುತ್ತದೆ.

• ಹೊಟ್ಟೆ ನೋವು-ಎಲೆಯ ರಸವನ್ನು ನೀಡಲಾಗುತ್ತದೆ.

• ತರಕಾರಿ:-ಎಲೆಗಳನ್ನು ತರಕಾರಿಗಳಾಗಿ ಬಳಸಲಾಗುತ್ತದೆ. ಹಣ್ಣು ಕಹಿ, ತೀಕ್ಷ್ಣ ಮತ್ತು ಬಾನಿಕ್ ಗುಣಲಕ್ಷಣಗಳನ್ನು ಹೊಂದಿದೆ ಎಂದು ಪರಿಗಣಿಸಲಾಗಿದೆ.

• ಈ ಸಸ್ಯದ ಎಲೆಗಳನ್ನು ಬುಡಕಟ್ಟು ಭತ್ತೀಸಗಡದ ವಿಶೇಷವಾದ ಆಹಾರ ತಯಾರಿಕೆಯಲ್ಲಿ ಒಂದು ಸ್ವಾದದ ರೂಪದಲ್ಲಿ

ಕಡಲೆ ಹಿಟ್ಟು, ಕೊಡೆಗೆ ಒಂದು ಭೂತಾಂಶವಾಗಿ ಬಳಸಲಾಗುತ್ತದೆ.

• ಡಿಪ್ಲೊಸೈಕ್ಲೋಸ್ ಪಾಪುಟಸ್ ಎನ್ನುವುದು ರಾಜನಿಧಿಯ ಮತ್ತು ನಿಧಿಯ ರತ್ನಾಕರದಲ್ಲಿ ವಿವರಿಸಿದ ಒಂದು ಅಯುರ್ವೇದ ಔಷಧವಾಗಿದೆ. ಈ ಹಣ್ಣುಗಳನ್ನು ಕಾವೋಶ್ವೇಜಕ, ಸಾರದ ಮತ್ತು ಅಯುರ್ವೇದದಲ್ಲಿ ಅಂಟಿಪೈರಟಿಕ್ ಆಗಿ ಬಳಸಲಾಗುತ್ತದೆ. ಅದರ ಸ್ವಾಸ್ಥ್ಯ ಅರ್ಥ ಮುಡಿಪು ಇದೇ ಸಸ್ಯವನ್ನು ವಿರೇಚಕವಾಗಿ ಬಳಸಲಾಗುತ್ತದೆ.

ಭಾರತದ ಜನಪದ ಬಳಕೆ :

• ಸಸ್ಯದ ಎಲೆಗಳು: ಸಾವನಾಳವಾಗಿ ಮತ್ತು ನಿರೋಧಕ ಲೇಸ್ ಅಗಿ ಅಸ್ವಯಸ್ಥರಾಗುತ್ತದೆ.

• ಗರ್ಭಧಾರಣೆಗೆ ಸಹಾಯ ಮಾಡಲು ಮತ್ತು ಗರ್ಭಪಾಕವನ್ನು ತಡೆಯಲು ಮುಳುಕಿಸಿದ ಇತರ ಔಷಧಿಯಾಗಿ ಗಿಡಮೂಲಿಕೆಗಳೊಂದಿಗೆ ಸಂಯೋಜಿಸುವುದು ಮಾಡುತ್ತಾರೆ.

ಭತ್ತೀಸಗಡದ ಗುಲ್ಮಲ್ ಹಳ್ಳಿಯ ಸಂಪ್ರದಾಯವಾಗಿ ವೈದ್ಯಕೀ ದಿನಂಪ್ರತಿ 3-4 ಬೀಜಗಳನ್ನು ಮುಳುಕಿಸಿ ಒಂದು ಗಂಟು ಪುಗುವನ್ನು ಪಡೆಯಲು 1 ರಿಂದ 2 ತಿಂಗಳುಗಳ ಮಾರಿ ಹೊಟ್ಟೆಯಲ್ಲಿ ಬಳಸುತ್ತಾರೆ.

• ಬಾಂಜುಕೋಟ್ ಕಣವೆಯ ಗೋಡಾ ಮತ್ತು ಧರಿಯು ಬುಡಕಟ್ಟುಗಳ ಈ ಸಸ್ಯವನ್ನು ಪೂಜಿಸುತ್ತಾರೆ ಮತ್ತು ಈ ಸಸ್ಯವು ಮುಳ್ಳುಗಳಿಂದಾಗಿ ಪರಿಚಿತವಾದ ಎಂದು ಅವರು ಪರಿಗಣಿಸುತ್ತಾರೆ.

ಸೂಚನೆ:-ಸಸ್ಯದ ಎಲ್ಲಾ ಭಾಗಗಳು ದೊಡ್ಡ ಪ್ರಮಾಣದಲ್ಲಿ ವಿಷಕಾರಿ. ಖಾಲಿಪಾಪುಲಿಗೆ ಹಣ್ಣುಗಳ ಪೋಷಣಿಕೆಯು ಚಿಕ್ಕ ಮಕ್ಕಳಿಗೆ ಅವರನ್ನು ಬಹಳ ಅಪಾಯಕಾರಿ ಮಾಡುತ್ತದೆ.

ಈ ಸಸ್ಯದ ಬಳಕೆಯನ್ನು ಮಾಹಿತಿಗಾಗಿ ನೀಡಿವೇನೆ ಉಪಯೋಗ ಮಾಡದೇಕಾದಲ್ಲಿ ಹೆಚ್ಚಿನ ಸಂಪರ್ಕಿಸಿ.

- ◆ ಆಕ್ರಮಣಕಾರಿ ಮತ್ತು ಮುಷಕಾರಿ ದೇಹವನ್ನು ಅದು ಜೀವದ ಕಾಯಿಲೆ, ಸಿರಿಯೋಟಿಕ್ ಮತ್ತು ಮುರಿಯುತ್ತದೆ. ಅದು ಜೀವದ ಖ್ಯಾತಿ. - ಆರ್. ವೈ.
- ◆ ಪ್ರತಿಧಿಯ ನೂರಕ್ಕೆ ಒಂದು ಅಂಶ ಸ್ವಾಸ್ಥ್ಯವನ್ನು ಉಳಿಸಿ ಕೊಂಬುತ್ತಿರುವ ಅಂಶ ಪ್ರಮಾಣ. - ಉಪನ್ ಎ.ಎಚ್.ಎಸ್
- ◆ ಪ್ರತಿಯೊಂದು ಅಂಶಗಳಿಗೂ ಒಂದು ಸಮಾನ ಅಂಶ ಒತ್ತದಲ್ಲಿ ಒಂದು ಅಂಶ, ಅಂಶ ಅಂಶಗಳನ್ನು ಒಂದು ಪ್ರಮಾಣ. - ಆರ್. ವೈ.

“ ೬ ನೋಂದ ಮನವೆ ”

ಈ ಕೆಳಗಿನ ಕವಿತೆಯಲ್ಲಿ ಪರಮಾತ್ಮನು ಮನಸ್ಸಿಗೆ ಕವಿತೆಯ ರೂಪದಲ್ಲಿ ಅರಿವನ್ನು ಹೇಳುತ್ತಿದ್ದಾನೆ. ಇಲ್ಲಿ ಜನನಂದರೆ ಕೆಟ್ಟ-ದುಷ್ಟ ಜನರು ಬರುತ್ತಾರೆ. ಈ ಕೆಟ್ಟ ಜನರನ್ನು ನೋಡಿ, ಕೇಳಿ ಮತ್ತು ಅವರು ಹೇಳಿದ ಹಾಗೆ ಕೆಲಸವನ್ನು ಮಾಡಬಾರದು. ಗುರಿ ಸಾಧನೆ ಮಾಡುವಾಗ ಅಕ್ಕ-ತಕ್ಕ ನೋಡಿ ಮತ್ತು ದೇವರನ್ನು ಕೇಳಿ ಸಾಧನೆಯ ಮೈದಾನದಿಂದ ಹೊರಗೆ ಹೋಗಬಾರದು. ನಮ್ಮ ಅಂತರಂಗದ ಪರಮಾತ್ಮನನ್ನು ಕಾಣಲು ಪ್ರಯತ್ನಿಸಬೇಕು. ನಮ್ಮಲ್ಲಿ ಪ್ರಶ್ನೆಗಳಿಗೆ ಅವರಲ್ಲಿ ಪರಿಹಾರವಿರುತ್ತದೆ. ಅದಕ್ಕೆ ಓಂದು ದಾರಿಯಾದರೂ ಪ್ರಶ್ನೆಯನ್ನು ಕೇಳಿ ನೋಡಬೇಕು.

ಜನರ ನೋಡಿ ಕರ್ಮ ಮಾಡಬೇಡ
ಜನರ ಕೇಳಿ ಕರ್ಮ ಮಾಡಬೇಡ
ತಿಳಿದು-ತಿಳಿದು ತಪ್ಪು ನೀ ಮಾಡಬೇಡ
ಮನವೇ ಮಾಡಬೇಡ !

ಜನ ಹೇಳಾರಂತ ನಡೆಬೇಡ
ಜನ ಹೇಳಾರಂತ ನಿಲ್ಲಬೇಡ
ತಿಳಿದು-ತಿಳಿದು ತಪ್ಪು ನೀ ಮಾಡಬೇಡ
ತಿಳಿದು - ತಿಳಿದು ತಪ್ಪು ನೀ ಮನವೇ
ಮಾಡಬೇಡ
ಒಪ್ಪಿದಂಥ ಜನರ ನೋಡಿ
ಅಕರ್ಷಿತ ರೋಗ ನೋಡಿ
ಜಗತ್ತಿನಲ್ಲಿ ಸುಖವೇನು
ಮಾಯಾ ಲೋಕದಲ್ಲಿ ದೇವರೇನು
ಮುಂದೆ ಸಾಗು ನೀ ಮನವೇ
ಮುಂದೆ ಸಾಗು !

ಅಂತರಂಗ-ಒಪ್ಪಿದಂಥವೊಳಗೆ
ಗುರಿಯಿಲ್ಲ ಸಾಧನೆ ಮಾಡು
ಸಾಧಿಸಿ ಜಗತಿ ದೇವ ನೋಡು
ಸಾಧಿಸಿ ಜಗತಿ ದಾರಿ ನೋಡು
ಮುಂದೆ ಸಾಗು ನೀ ಮನವೇ,
ಮುಂದೆ ಸಾಗು

ಸಾಧನೆಯ ಈ ದಾರಿಯಲ್ಲಿ
ಹೆಜ್ಜೆ ಹೆಜ್ಜೆಗೂ ಕಷ್ಟ ಬರುತ್ತೇಡಿ
ಅಂಜದೆ ನೀ ಮುಂದೆ ನಡೆ
ಅಳುಕದೆ ನೀ ಮುಂದೆ ನಡೆ
ದೇವನಿದಾನ ನಿನ್ನ ಹಿಂದೆ. ದೇವನಿದಾನ

ನೋಡಲು ಮುಂದೆ ಬಂದು ನಿಂತರೂ
ಜಂಜಲ ಮನದವ ಅಗಬೇಡ
ಗುರು-ಹಿರಿಯರ ಮಾತು ಕೇಳು
ನೋಡನ್ನು ಹಿಂದಕ್ಕೆ ತಳ್ಳಿ
ದೇವನಿದಾನ ನಿನ್ನ ಹಿಂದೆ. ದೇವನಿದಾನ

ಅಕ್ಕತಕ್ಕ ನೋಡಬೇಡ
ಯಾರನ್ನು ಕೇಳಬೇಡ
ಒಳಗೆ ಒಮ್ಮೆ ಇಗುಕಿ ನೋಡು
ಒಳಗೆ ಒಮ್ಮೆ ಕೇಳನೋಡು
ಗೊತ್ತಾಗುತ್ತೆನ್ನಿಂಗ ಎಲ್ಲಾ ತಿಳಿತ್ತೇತೆ !

ತಿಳಿದು-ತಿಳಿದು ತಪ್ಪು ನೀ ಮನವೆ
ಮಾಡಬೇಡ
ನೀ ಮುಂದೆ ಮುಂದೆ ಸಾಗು
ನಿನ್ನ ಹಿಂದೆ ದೇವನಿದಾನ
ನಮ್ಮ ಮಾಡು ಕೇಳಿ ನೋಡು
ನಿಂಗೆ ಎಲ್ಲಾ ತಿಳಿತ್ತೇತೆ ಅಗೆ !

- ಪ್ರಾಚಾರ್ಯ ಮೇಘನಂದರ
ದಿ.ಎ. 2 ನೆವೆ

ಶಿವನಾಮ

ನನ್ನಯಿ ಮನದಲಿ ನಿನ್ನ ನಾಮ ಮೂಡಿ ಬಂದಿದೆ
ನನ್ನಯಿ ಪ್ರದಯಿವು ಈಗ ಮಿಷಿಯಂದ ತುಂದದೆ

ನಿನ್ನ ನಾಮ ಕ್ಷರಣೆ ಮಾಡುತಾ
ನಿನ್ನ ನೋಟವನ್ನು ನೋಡುತಾ
ಈ ಕಾಲ ಹೀಗೆ ಕಳೆದನು
ಕಡ್ಡಲಿ ನೀರು ತುಂದೆನು

ವಿನೆಂದು ಹೇಳಲಿ
ವಿನು ಕೇಳಲಿ
ವಿನು ದೇವಲಿ
ವಿನು ಬಯಸಲಿ ಹೇಳು ನೀ...

ನೀನಿದ್ದರೆ ನನಗೆ ಸುಖ
ನೀನಿರದಿದ್ದರೆ ಅದೇ ದುಖ
ಈ ಜೀವನವು ನಿನ್ನರ್ಪಣೆ
ಈ ಪ್ರಾಣವು ನಿನ್ನರ್ಪಣೆ

ಶಿವ ಶಿವ ಎನ್ನುತಾ
ಮನ ಮಂಜಿ ಪಾಡಿ ಕುಣಿಯುತಾ
ನಿನ್ನಲ್ಲಿ ಹೀಗೆ ನೇರುತಾ
ಶಿವ ಎಂದು ನೆರೆದು ನೆನೆಯುತಾ ಪಾಡಿದೆ.

ನಿನ್ನಿಂದಲೇ ನಾನಿರುವೆನು
ನಿನ್ನನ್ನು ನಾನಿಗ ಕಂಡೆನು
ನಿನ್ನ ಮೌನವನ್ನು ಅರಿತೆನಾ
ನಿನ್ನ ಕೋಪವನ್ನು ತಿಳಿದನಾ

ಈ ಮನದಲಿ ಹೂ ಅರಳಿತು
ಈ ಕ್ಷಣದಲ್ಲಿ ಸೂರ್ಯಾಸ್ತವಾಯಿತು
ಹೇವರಾಶಿ ಈಗ ಮುಲಗಿತು
ನಿನ್ನ ನಾಮ ಬಂದು ಸೇರಿತು

ಮನ ಅಸಂದರಿಂದ ತುಂದದೆ
ದೇವ ಸಂಪೋಷಣದಿಂದ ನೆರಿದಿದೆ

- ಪ್ರಾಚಾರ್ಯ ಮೇಘನಂದರ
ದಿ.ಎ. 2 ನೆವೆ

ಮೂರು ಸ್ತಂಭಗಳು = ವಿಜೃಂಭ, ಮೃಗ, ಪ್ರಜ್ಞಾಪೀನ
 ಮೂರು ಕಾಲಗಳು = ಭೂತ, ವರ್ತಮಾನ, ಭವಿಷ್ಯ
 ಮೂರು ಪಂಚಗಳು = ದಾಖಲೆ, ಯೌವನ, ಪೃಥ್ವಿಪ
 ಮೂರು ಸಾಧಿಗಳು = ಕಡಾ, ಅಂಗಣ, ಸುಖಮಾನ್ಯ
 ಮೂರು ಪೋಷಣೆಗಳು = ವೇಗ್ಯ, ಮಧ್ಯಾಹ್ನ, ಸಂಜೆ
 ಮೂರು ಕೆತ್ತನೆಗಳು = ಪಟ್ಟಾಕೃತಿ, ಜ್ಯೋತಿಸ್ತ, ಕ್ರಿಯಾಕೃತಿ

4. ಒಂದು ಭಾವ = ಅಧಿಪಾತ, ಪಾತಿ, ರಾಮೇಶ್ವರಂ, ದ್ವಾರಕಾ
 ಒಂದು ಖಂಡಗಳು = ಸ್ವಾತ, ಸ್ವಾಂತನ, ಸ್ವಾಂತನ ಸ್ವಾಂತನಮಾತ
 ಒಂದು ಪರ್ವಗಳು = ಪುಷ್ಪ, ಕೃಷ್ಣಿಯ, ವೈಷ್ಯ, ಶೂನ್ಯ
 ಒಂದು ಸಿಯಮಗಳು = ಸಾಮ, ದಾಸ, ಭೇದ, ದಾಸ
 ಒಂದು ವೇದಗಳು = ಖಗೋಲ, ಯಜುರ್ವೇದ, ಸಾಮವೇದ, ಅಥರ್ವವೇದ
 ಒಂದು ವಾಕ್ಯಗಳು = ಪಾಪ, ಪಂಚಕಿ, ಸರ್ವೋದರಿ, ಮಗಲು
 ಒಂದು ಉಪಾಂಗ = ವೇಗ್ಯ, ಸಂಜೆ, ಪಗಲು, ರಾತ್ರಿ
 ಒಂದು ಅಕ್ಷರಗಳು = ರಂಭ, ಉಪಗತಿ, ಮೇಗತಿ ತಿಲೋಕ್ರಮ
 ಒಂದು ಗುಣಗಳು = ಕಾಯ, ಕಂದೆ, ಅಪಾರ್ಥ, ತಿಕ್ತ
 ಒಂದು ವ್ಯಾಜಗಳು = ಮೂವರ, ಪೇವರ, ಜಲವರ, ಉಭಯವರ
 ಒಂದು ವಾದಿಗಳು = ಸ್ವೇದನ, ಉದ್ವಿಜ, ಅಂಜನ, ಅಂಜನ
 ಒಂದು ಪದಗಳು = ಓಕಾರ, ಆಕಾರ, ಉಕಾರ, ಮಕರ
 ಒಂದು ಅಕ್ಷರಗಳು = ಅಕ್ಷರವರ್ಗ, ಗ್ರಹಣ, ವಾಕ್ಯವ್ಯಕ್ತಿ, ಸಂಜ್ಞಾ
 ಒಂದು ಅಪಾರ್ಥಗಳು = ಪದವಾತ, ದ್ರವವಾತ, ಚೂರ್ಣ, ಲೆಕ್ಕ
 ಒಂದು ವಾಕ್ಯವರ್ಗಗಳು = ವರ್ಣ, ಅಕ್ಷರ, ಕಾಮ, ಮೋಕ್ಷ

5. ಸಾಂಪ್ರದಾಯಗಳು = ಕಲ್ಪ, ಕಿಂ, ದುರ್ಗ, ವಾಸಿ, ಅರ್ಜು
 ಒಂದು ಅಂಶಗಳು = ಭೂಮಿ, ಅಕಾಶ, ವಂತಿ, ನೀರು, ಗಾಳಿ
 ಒಂದು ವೇದಗಳು = ರಾಜ, ದಿವ್ಯ, ದುರ್ಗ, ಗಣೇಶ, ಸೂರ್ಯ
 ಒಂದು ಕ್ರಿಯೆಗಳು = ರೂಪ, ರೂಪ, ವಾಸನೆ, ಸರ್ವ, ಶಕ್ತಿ
 ಒಂದು ವೇದಗಳು = ವೇದವಾ, ಕುರ್ವಿ ಮಧ್ಯವೇದ ಉಂಗುರವೇದ, ತಿರುಮೇಳ
 ಒಂದು ಸಾಂಪ್ರದಾಯಗಳು = ಮೂವ್ಯಾಭಾಷಣ, ದೀಪ, ಸುಖಮೇಳ, ವೇದ್ಯ
 ಒಂದು ಅಪ್ಪಣೆಗಳು = ಕಾಲ, ವೇದನಾ, ಕುಪ್ಪ, ವೇದನುಕುಪ್ಪ, ಸಕ್ತರೆ
 ಒಂದು ಧರ್ಮಗಳು = ಭೂತ, ತಿಲಾಪಿ, ವೈಷ್ಯ, ಕೂಷ್ಮಾಂಡ, ಪ್ರಜ್ಞಾಶಾಸ್ತ್ರ
 ಒಂದು ವಾದಿಗಳು = ಸಿ, ಕಿ, ಹು, ವೇ, ಒಗರು
 ಒಂದು ವಾದಿಗಳು = ವ್ಯಾಜ, ಅಪಾನ, ವ್ಯಾಜ, ಉದಾನ, ಸಮಾನ
 ಒಂದು ಕೆತ್ತನೆಯು = ಕುಂಜಿ, ತಾಡಾ, ಅಪಲ್ಯಾ, ದ್ರೋಣಿ, ಮುಂಡೋದರಿ

6. ಒಂದು ಉಪಾಂಗ = ಗ್ರಹ, ವಸಂತ, ಪರಶ, ಕಶಿರ, ವೇಮಂತ, ಕಶಿರ
 ಒಂದು ವ್ಯಾಜಗಳು = ಕೆತ್ತನ, ಕೆಲ್ಪ, ವ್ಯಾಕರಣ, ನಿರುಕ್ತ, ಶ್ಲೋಕ, ಜ್ಯೋತಿಷ್ಯ
 ಒಂದು ಅಪಾರ್ಥಗಳು = ವಿನಯ, ಅರಾಧನೆ, ಅಧ್ಯಯನ, ಸಂಯಮ, ಕಪ, ಧ್ಯಾನ
 ಒಂದು ವೈಯು = ಕಾಮ, ಕ್ರೋಧ, ರೋಷ, ಮೋಹ, ಮದ, ಮತ್ತರ

7. ಒಂದು ಸ್ತಂಭಗಳು = ಸ, ರಿ, ಗ, ಮ, ಪ, ಫ, ನಿ, ಸ
 ಒಂದು ದಿವ್ಯಗಳು = ಗಾಯತ್ರಿ, ಉಕ್ತ, ಅನುಪುಷ್ಪ, ರೇಷಿ, ಕ್ರಿಯಾ, ಪಾತಿ
 ಒಂದು ವೈಯುಗಳು = ಮೂ, ಪರ್ವ, ಸಾಂಧ್ಯಾ, ಮಧ್ಯಮ, ವಯನ, ದಾಸ
 ಒಂದು ಪಕ್ಷಗಳು = ಸಾಸ್ತರ, ಕಪ್ಪ, ವಿಷ್ಣು, ಅನಾಪ, ವೇದವಾ, ಸ್ವಾಧ್ಯಾಯ
 ಮೂಲಾಧಾರ
 ಒಂದು ದಿವ್ಯಗಳು = ಸೋಮ, ಮಂಗ, ಒಪ, ಗುರು, ಮತ್ತ, ಫಿ, ಮತ್ತ, ರೇವತ
 ಒಂದು ವಿಯಗಳು = ನಿಷ್ಯ, ಅಕ್ಷೇರಿಯಾ, ಅಕ್ಷರ, ಅಂಜನ, ಉಪವೇದ, ದ.ಪಮೇಶನ
 ಒಂದು ದಿವ್ಯಗಳು = ಪಂಚ, ಪುತ್ರ, ಕಾಲ್ಪಿ, ಪ, ಕ್ರಿಯ, ಪಾಪ, ಅಧಿಪಾ
 ಒಂದು ಸ್ವಾಧ್ಯಾಯಗಳು = ವಶಿಷ್ಠ, ವಿಷ್ಣು, ಸಾಂಧ್ಯಾ, ಅನುಪುಷ್ಪ, ಮಾಮನಿ, ವ.ಸಿಂಧ
 ಒಂದು ಖಂಡಗಳು = ವಶಿಷ್ಠ, ಕೃಷ್ಣ, ಅಕ್ರಿ, ಮಮನಿ, ಗೋಮ, ವಿಷ್ಣು, ಪಾಪುಷ್ಪ
 ಒಂದು ಭೌತ ಧರ್ಮಗಳು = ರಕ್ತ, ವಾತ, ಕೀಟ, ಮೂಳ, ಪುತ್ರ, ವಿಷ್ಣು, ಪಾಪುಷ್ಪ
 ಒಂದು ಪುಷ್ಪಗಳು = ಉದಾ, ನಿರಳ, ನಿರಿ, ಮೂ, ಪವ, ಕೆತ್ತ, ಕೇವ
 ಒಂದು ವೇದಗಳು = ಅಪ, ವಿಪ, ಸರ್ವ, ಕೂಷ್ಮಾಂಡ, ಮೂವರ, ವಾಕ್ಯ, ವಾಕ್ಯ
 ಒಂದು ವಾದಿಗಳು = ಮೂವರ, ಪರಿವ್ಯಾಜ, ಕಿಂ, ವೇದ, ಉಪವೇದ, ವ್ಯಾಜ, ಕೂಷ್ಮ
 ಒಂದು ಧರ್ಮಗಳು = ಉಪ್ಯ, ಗೋಪಿ, ಕೃಷ್ಣ, ಅಕ್ರಿ, ವಾರ್, ಮಮ, ರಾ

8. ಒಂದು ಕಾಯಾದಿಗಳು = ವ್ಯಾಜ, ವೈಷ್ಯ, ವಾಕ್ಯವ್ಯಕ್ತಿ, ಕೇವಲ, ವಾಕ್ಯ, ವಾಕ್ಯ, ವಾಕ್ಯ, ವಾಕ್ಯ, ವಾಕ್ಯ
 ಒಂದು ಅಪಾರ್ಥಗಳು = ಅಧಿಪತ್ಯ, ಧರಪತ್ಯ, ಧರಪತ್ಯ, ಗಮಕತ್ಯ, ಸೂರ್ಯತ್ಯ, ದೀಪತ್ಯ, ವಿಷಯತ್ಯ, ವಿಷಯತ್ಯ
 ಅಪ್ಪಣೆಯುಗಳು = ಧ್ವನಿ, ಸೋಮ, ಅಪ, ಧ, ಅನಿ, ಅನಿ, ವ್ಯಾಜ, ವ್ಯಾಜ
 ಅಪ್ಪಣಿಗಳು = ಅನಮಾ, ಗುಮಾ, ಮೂಮಾ, ಲಕಮಾ, ವ್ಯಾಜ, ವ್ಯಾಜ, ವ್ಯಾಜ
 ಅಪ್ಪಣೆಗಳು = ವೈಷ್ಯ, ವೈಷ್ಯ, ವಾಕ್ಯ, ಸಿಂ, ಸಮ, ವಾತ, ಕೃಷ್ಣ, ವಾತ

9. ಸಮಾಂಗಿಯು = ಕೈಲಾಸ, ಪ್ರಜ್ಞಾಪೀನ, ಅಂಜನ, ಕೂಷ್ಮಾಂಡಿ, ಸ್ವಾಧ್ಯಾಯ, ಕಾಪ್ಯಮಿ, ಕಾಪ್ಯಮಿ, ಸಿದ್ಧಿಪಾತಿ, ಮೂವರ
 ಸಮಾಂಗಿಗಳು = ಸೂರ್ಯ, ಅಂಜನ, ಮಂಗ, ಒಪ, ಗುರು, ಮತ್ತ, ಫಿ, ರಾಜ, ಕಿಂ
 ಸಮಾಂಗಿಗಳು = ವಾಕ್ಯ, ಪುತ್ರ, ಮುಪ್ಪ, ಮೂವೈ, ಪವ, ನಿರಮನೆ, ಕೆತ್ತ, ಗೋಮಧಿಕ, ಮೂವರ
 ಸಮಾಂಗಿಗಳು = ವದ್ಯಾಧಿ, ಮೂವರಾಧಿ, ನಿರಾಧಿ, ಮೂವರಾಧಿ, ಸಂಪಾಧಿ, ಮೂವರಾಧಿ ಕಂಪಾಧಿ, ಕೂಷ್ಮಾಧಿ, ಮೂವರಾಧಿ

ಯಕ್ಷಪ್ರಶ್ನೆ
(ಧರ್ಮೋಪಶ-ಯಮಧರ್ಮ)

- ೫ ಬಹುಮುಖ ೨೮, ೧೯೫೫
೧೫ನೇ ದಿನ

ಯಕ್ಷಪ್ರಶ್ನೆ ಉಪಾಖ್ಯಾನವು ಮಹಾಧಾರವದ
ಅರಣ್ಯಕವನದ ಅರಣ್ಯಕವನದ ಸಂಧಿಯಲ್ಲಿ
ಬರುತ್ತದೆ. ಪ್ರಶ್ನೋತ್ತರ ಯಜುರ್ದ್ರವು ಇದು
ಯಕ್ಷ-(ಒಂದುದೇವತೆ) ಕೇಳುವ ಪ್ರಶ್ನೆಗಳಿಗೆ
ಧರ್ಮರಾಜ ಯುಧಿಷ್ಠಿರನು ಕೊಡುವ
ಉತ್ತರಗಳು ಎಂಥ ಪಂಡಿತರನ್ನು ವಂಗು
ಮಾಡುತ್ತದೆ ಅದು ಅವನಿಗಿದ್ದ ಶಾಸ್ತ್ರಜ್ಞನ.
ಪ್ರವಚನವಾಗಿದೆ. ಲೋಕಜ್ಞತೆಗೆ ಸಾಕ್ಷಿಯಾಗಿದೆ.
ಧರ್ಮ/ಕರ್ತವ್ಯವೇ ಇಲ್ಲಿಯ ಜೀವನಾಡಿ.
ಧರ್ಮವಿದ್ದಲ್ಲಿ ಜಯ, ಜಯದ ಅಪೇಕ್ಷೆ
ಇರುವುದು ಧರ್ಮಕ್ಕೆ ಉಬ್ಬಿದ್ದಿರಬೇಕು.
ಜೀವನದ ಹೋರಾಟದ ಉದ್ದೇಶವೇ
ಶಾಂತಿ ನೆರವೇರಿಸುವ ದಾರಿಕೆಂಬುದು. ಆ
ಶಾಂತಿ ಪ್ರಾಪ್ತವಾಗಬೇಕಾದರೆ ಧರ್ಮದ
ಆಚರಣೆಯೇಬೇಕು. ಧರ್ಮೋಪಶನೆಗೆ ಸತ್ಯವೇ
ಆಡಿವಾಯಿ ಇನ್ನೇನು ಕಾಲನೆಯೇ ಶಾಂತಿಗೆ
ಸಾಧನ. ಮಹಾಭಾರತವನ್ನು ರಚಿಸಿದ
ವೇದವ್ಯಾಸನು ಕೊನೆಯಲ್ಲಿ ಹಿಮಾಲಯದಲ್ಲಿ
ಶಾಸ್ತ್ರ ವಾಸ ಮಾಡಿದ ಗುಹೆಯ ಮೇಲೆ
ನಿಂತು ಎರಡೂ ತೋಳುಗಳನ್ನು ಮೇಲಕ್ಕೆ
ಎತ್ತಿಕೊಂಡು ಎತ್ತರಿಸಿದ ಧ್ವನಿಯಲ್ಲಿ ಎದೆ
ಬಡಿದುಕೊಳ್ಳುತ್ತ ತನ್ನಿ ಪೇಳುತ್ತಿದ್ದೇನೆ ನಾನು.
ಯಾರೂ ಕೇಳುತ್ತಿಲ್ಲ..
ಧರ್ಮದಿಂದಲೇ ಅರ್ಥ ಮತ್ತು ಸಾಮಗ್ರಿ
ಸ್ವಾಸ್ಥಿ ಧರ್ಮದಿಂದ ತಡೆದುಕೊಳ್ಳುವುದಿಲ್ಲ
ವಿಶೇ? ಎಂದು ಕೇಳಿರಬಹುದು ಹೇಳುತ್ತಾರೆ
ಧಾರ್ಮೋಪಶನದಿಂದಾಗಲಿ, ಭಯದಿಂದಾಗಲಿ,
ಲೋಭ-ಮೋಹದಿಂದಾಗಲಿ ಅನ್ಯೇಕ ಜೀವದ
ಮೇಲಿನ ಆಸೆಯಿಂದಾಗಲಿ ಧರ್ಮವನ್ನು
ಯಾರೂ ತ್ಯಜಿಸಲಾರದು. ಧರ್ಮವೇ
ಸಾಕ್ಷಾತ್ಕಾರವನ್ನು ಸುಖ-ಮೋಕ್ಷಗಳು ಕ್ಷಣಿಕ

ಅತ್ಯವು ನಿತ್ಯ ದೇವತೆ ಶಾಶ್ವತವಲ್ಲ. "ಧರ್ಮೋ
ರಕ್ಷತಿ ರಕ್ಷಿತಃ" ಧರ್ಮವನ್ನು ನಾವು ಗಾಢ
ಮಾಡಿದರೆ ಅದು ನಮ್ಮನ್ನು ನಾಶಮಾಡುತ್ತದೆ
ನಾವು ರಕ್ಷಿಸಿದರೆ ಅದು ನಮ್ಮನ್ನು ರಕ್ಷಿಸುತ್ತದೆ.
ಈ ಮಾತು ನಮ್ಮ ಜೀವನದಲ್ಲಿ ಧರ್ಮ
ಮಹತ್ವದ ಬೆಳಕು ಬೆಳುತ್ತದೆ.
ಒಟ್ಟಿನಲ್ಲಿ ಧರ್ಮಕ್ಕಾಗಿ ಧರ್ಮವನ್ನು
ಆಚರಿಸಬೇಕು. ಸುಖ-ಲೋಕಗಳಿಗಾಗಿ ಅಲ್ಲ
ಎನ್ನುತ್ತದೆ ಮಹಾಧಾರತ ಅದರಿಂದ ಸಿಗುವುದು
ತೃಪ್ತಿ, ಆನಂದಗಳು. ಮಹಾಭಾರತದಲ್ಲಿ
ಯಕ್ಷಪ್ರಶ್ನೆಯ ನಂತರ ಬರುವ ಭಗವದ್ಗೀತೆ
(ಧೀಪ್ತವರ್ಷ)ಯ ಎಚ್ಚೂ ಮಾತುಗಳನ್ನು
ಸಾವಿತ್ರಿ ಧರ್ಮರಾಜನ ಮಾತುಗಳಾಗಿ
ಕಾಣಬಹುದು ಧೀಮಂತ ಧರ್ಮರಾಜನ
ತಿಕ್ತಬುದ್ಧಿಗೆ, ವಿಕಾಲ ಲೋಕಾನುಭವಕ್ಕೆ
ಉದಾತ್ತ ಗಂಭೀರ ವ್ಯಕ್ತಿತ್ವಕ್ಕೆ ಇದು
ಸಾಕ್ಷಿಯಾಗಿದೆ. ಈ ಪ್ರಶ್ನೋತ್ತರಕ್ಕೆ ಕಾರಣ ಈ
ನಡೆದ ಒಂದು ವಿಶೇಷ ಘಟನೆ.
ಧರ್ಮರಾಜ ತನ್ನ ತಮ್ಮಂದಿರೊಂದಿಗೆ
ದೈವತನದಲ್ಲಿ ಒಂದು ಮರದ ಕೆಳಗೆ ಖಳಕ
ಮಾತನಾಡುತ್ತಿದ್ದನು. ಅಲ್ಲಿದ್ದು ಬ್ರಾಹ್ಮಣ ಓಡಿ
ಬಂದು ತನ್ನ ಅರಣಿ ಮತ್ತು ಮಂಥನವನ್ನು
(ಅಗ್ನಿಪೂಜೆಗಳಿಗೆ ಬೇಕಾದ ವಸ್ತುಗಳು)
ಕೊಂಡೊಂದು ತನ್ನ ಕೊಂದಿಗೆ ಸಿಕ್ಕಿಸಿಕೊಂಡ
ಓಡಿದ. ಅದನ್ನು ತನಗೆ ತಂದಿಯೆಂದುವಂತೆ
ಅವರಲ್ಲಿ ವಿನಂತಿಸಿದನು. ತಕ್ಷಣ ಅವರೂ
ಧರ್ಮರಾಜನ ಹಿಡಿದು ಅದನ್ನು ಬೆನ್ನಟ್ಟಿದರು.
ಆಯಾಸಗೊಂಡ ಅವರು ಒಂದು ದೈವದ
ಕೆಳಗೆ ವಿಶ್ರಮಿಸಿದರು. ಬಾಂವಲಾರಿ
ಧರ್ಮರಾಜನು ಮರದತ್ತ ಕೈ ತೋರಿ
ನಕುಲನಿಗೆ ಆ ಮರವನ್ನೇರಿ ಹತ್ತಿದರೆ

ನಿರಲೆ ಆಗರೆ ಇದೆಯೇ ದೋಷಂಧನು.
ನಕುಲ ಮರ ಹತ್ತಿ ಅಗತಿ ದೂರದಲ್ಲೇ
ಒಂದು ಕೊಳ ಇದ್ದುದನ್ನು ಕಾಣುತ್ತಾನೆ.
ಧರ್ಮರಾಜನಿಗೆ ತಿಳಿಸುತ್ತಾನೆ. ಹಾಗಾದರೆ
ನೀ ಹೋಗಿ ನೀರನ್ನು ಕುಡಿದು ನಿನ್ನ
ಬತ್ತಳಿಕೆಯಲ್ಲಿ ನೀರು ತುಂಬಿಕೊಂಡು
ಬಾಯಿಂದನು. ಆಗಲಿ ಎಂದು ನಕುಲನು
ಅಲ್ಲಿಗೆ ಹೋಗುತ್ತಾನೆ. ಅದುವೇ ಯಕ್ಷಪ್ರಶ್ನೆಗೆ
ದಾರಿ ಮಾಡಿತು.
ಇದು ಮಾನಸಿಕ ಒತ್ತಡಗಳ-ತುಮುಲಗಳ
ಯುಗ ಆ ಕೆಲಸ ಈ ಕೆಲಸ ಆಗಬೇಕು.
ಅಲ್ಲಿಗೆ ಹೋಗಬೇಕು ಇಲ್ಲಿಂದ ತರಬೇಕು
ಹೀಗೆ ಹತ್ತಾರು ಎಳೆತಗಳು ಒತ್ತಡಗಳ
ಸುಳಿಯಲ್ಲಿ ಸಿಲುಕಿದ ನಾವು ಮನುಷ್ಯರು
ನಾವು ಮಾಡುತ್ತಿರುವುದು ಸರಿಯೇ? ಅದರ
ಪರಿಣಾಮವೇನು ಎಂಬುದನ್ನರಿಯದೆ ಶಾಳಿಸಿ
ಮತಿಭ್ರಾಂತರಾಗಿ ತಿಳಿಗೇಡಿಗಳಾಗಿ
ದುಡುಕುವುದು ನಮ್ಮ ಜಾಯಮಾನವಾಗಿದೆ.
ಅಂಥ ದುಡುಕು ಬಹು ಕಡಿಗೇಬುದನ್ನು ಈ
ಯಕ್ಷಪ್ರಶ್ನೆ ಪ್ರಸಂಗವು ತುಂಬಾ ಮಾರ್ಗವಾಗಿ
ತಿಳಿಸುತ್ತದೆ.
ತಾನು ನೀರನ್ನು ಕುಡಿದ, ತನ್ನ
ನೋದರರಿಗೂ ನೀರನ್ನು ತರಲು ನಕುಲನು
ಆ ಸರೋವರವನ್ನು ಸಮೀಪಿಸಿ, ನೀರು
ಕುಡಿಯಬೇಕೆನ್ನುವಷ್ಟರಲ್ಲಿ ನಕುಲ ಈ ಕೊಳ
ನನ್ನ ನನ್ನ ಕೊಳದ ನೀರನ್ನು ಮುಟ್ಟುವ
ಹಕ್ಕು ನಿನ್ನಿಲ್ಲ. ನೀನೇ ನೀರು ಬೇಕಾದಲ್ಲಿ
ವೊದಲು ನಾನು ಕೇಳುವ ಪ್ರಶ್ನೆಗಳಿಗೆ
ಸಮರ್ಪಕವಾಗಿ ಉತ್ತರಿಸಬೇಕು. ಅದನ್ನು
ಧಿಕ್ಕರಿಸಿದಲ್ಲಿ ನಾವು ಮಂಡಿತ' ಎಂಬ
ಆಶೀರ್ವಚನೆಯೊಂದು ಕೇಳುತ್ತದೆ.
ಹೌದು, ಇನ್ನೊಬ್ಬರ ಸೊಪ್ಪನ್ನು ಅನು
ಭೋಗಿಸಲು ಅವರ ಅನುಮತಿ ಇರಬೇಕನ್ನು
ನ್ಯಾಯವೇ, ಅದಕ್ಕೆ ವಿಧಿಸಿದ ಕರಪುಗಳನ್ನು
ಮೂರೈಸಿಯೇ ಮುಂದಡಿ ಇದುವುದು ಧರ್ಮ

ನಾಗೂ ಕರ್ತವ್ಯ. ಏಕೆಂದರೆ ತಿಳಿಯದ
ನಕುಲ ಕೊಳದ ನೀರನ್ನು ಕುಡಿಯಲು ಯಾರ
ಅನುಮತಿ ಯಾರಿಗೆ ಎಂದು ಬಾಡುಕೆ
ನೀರನ್ನು ಕುಡಿದ ತಕ್ಷಣ ನನ್ನ ಸೊಪ್ಪಿನಿಂದ
ಬೆಡಕ್ಕಾದರೂ ನಕುಲ ಹಿಂತಿರುಗಿ
ಬಾರದಿದ್ದರೂ ಕೂಡ ಧರ್ಮ ಸಂದೇಶವನ್ನು
ಕಳಿಸುತ್ತಾನೆ. ಸರ್ವದೇವ ನಕುಲ ನತ್ತು
ವಿವ್ಯುಧವು. ದೋಷಿಯೂ ಕರ್ತನೂ
ಅಪಾಯವಾಗಿರುವ ಅಂಶದ ಮೂಲ ಆ
ಅಶೀರ್ವಚನೆಯನ್ನು ಧಿಕ್ಕರಿಸಿ, ನೀರು ಕುಡಿದು
ಸಾರವನ್ನುತ್ತರೆ ಸಂದೇಶವೂ ಬಾರದಿದ್ದಾಗ.
ಅರ್ಜುನನಿಗೆ ಕಳಿಸುತ್ತಾನೆ. ಅರ್ಜುನ
ಬಾರದಿದ್ದಾಗ ಬೆಂಕಿ ಹೆಚ್ಚಿತು. ಧರ್ಮನು
ಕಳುಹಿಸಿದನು. ಧರ್ಮಾರ್ಜುನರ ಪಾತ್ರವು
ಎಣೆ ಇಲ್ಲದ್ದು ಹೀ. ಅದೇ ಇವರೂ ತಮ್ಮ
ತಮ್ಮಂದಿರು ಸತ್ತಿದ್ದುದನ್ನು ದೋಷಿಯೂ
ಮಾತುಕೊಂಡು ಅದನ್ನು ಕಾಣುತ್ತಿದ್ದ ಮಹದ
ಭರದಲ್ಲಿ ಅವರ ವಿವೇಕ ರಾಜ್ಯವು
ಹೋಗುತ್ತದೆ. ಯಾರನ್ನು ಸದೆ
ಬಡೆಯಬಲ್ಲೆವೆಂಬ ಅಕ್ಕಿವ್ಯಕ್ತವನ್ನು ನೀರನ್ನು
ಕುಡಿಯುವ ಪುಟ್ಟ ಸಾಹಸಕ್ಕೆ ಅವರನ್ನು
ಪ್ರೇರಿಸುತ್ತದೆ. ಆ ಆಶೀರ್ವಚನೆಯನ್ನು
ಬಾಲ್ಯಂಘಿಸಿದುದರಿಂದ ಅವರೂ ಸತ್ತು
ಧರಣಿಗುರುಳುತ್ತಾರೆ. ಹೀಗೆ ಯಾರೂ
ಹಿಂತಿರುಗದಿದ್ದರನ್ನು ಅರಿತ ಧರ್ಮರಾಜನು
ಅತಂಕಗೊಂಡು ದೈವದೇ ರಕ್ಷಣೆ ಎನ್ನುತ್ತ ಆ
ಕೊಳದ ಬಳಿ ಬರುವುತ್ತಾರೆ. ಸತ್ತು ಬಿದ್ದ
ತಮ್ಮಂದಿರನ್ನು ದೋಷುತ್ತಾನೆ. ಸರೋವರದ
ನೀರು ವಿಷಪೂರಿತವೇ? ಅದರಿಂದ
ಸಾವನ್ನಪ್ಪಿರಬಹುದೇ? ಅದರಿಂದ ಮರಳು
ತನ್ನಗೂಬೇಡ ಎನ್ನುತ್ತ ನೀರು ಕುಡಿಯಲು
ಕೊಳ್ಳುತ್ತಿರಬಹುದು. ಆಗ ಮಕ್ಕಳು ಆ
ಆಶೀರ್ವಚನೇ ನನ್ನ ಅನುಮತಿಯಿಲ್ಲದೆ ಈ
ಕೊಳದ ನೀರನ್ನು ಕುಡಿಯಬೇಡ ಎನ್ನುತ್ತದೆ.



K.L.E. Society's
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COLLEGE, CHIKODI - 591 201.

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IQAC Initiative

DEPARTMENT OF CHEMISTRY

Title of the Program	Special guest lecture on " Infrared Spectroscopy " for B. Sc. Fifth semester students as a part of MoU.
Date and Time	02 nd February 2024 11.00 AM
Place	Lecture Hall No 26, B. K. College, Chikodi
Resource Person	Dr. Pramod Kattimani, Assistant Professor, Department of Chemistry J.S.S College, Gokak
No of Beneficiaries	32
Objectives	<ul style="list-style-type: none">➤ To give the in-depth knowledge of Infrared Spectroscopy from the expert in the field.➤ To motivate the students for deeper understanding of concepts.
Summary of the Proceedings	<p>The program began with welcome speech by Miss Akshata Mirje of B. Sc. V semester. Miss Supriya Bane of B. Sc. III semester introduced the resource persons. Shri S. S. Patil, Head, Department of Chemistry spoke on the occasion. The speaker has enlightened the students about Infrared spectroscopy and its application in Organic Chemistry. The speaker has urged for the students to join research in Organic Chemistry.</p> <p>Lecture was helpful for the students to:</p> <ul style="list-style-type: none">➤ Understand the fundamentals of Infrared Spectroscopy.➤ Understand the applications of Infrared Spectroscopy in characterising the organic compounds. <p>The program concluded with vote of thanks by Miss Srusti Kamble of B. Sc. III Semester. Miss Priya Patil of B. Sc. III semester compered the function.</p>



Student Participants

Address by Resource Person


Head of Department


Resource Person


IQAC Coordinator


Principal
KLES'S Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI - 591 201



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Website: www.kleshcollegechikodi.edu.in

e-mail: kles_bkce@rediffmail.com

☎ 08338 – 272176

01/02/2024

To,
Dr. Nagappa Teradal
Assistance Professor
Department of Chemistry
J. S. S. College, Gokak

Subject: Special Invited talk as a part of MoU, reg...

Dear Nagappa,

As a part of MoU between KLE society's Basavaprabhu Kore Arts, Science and Commerce College Chikodi and JSS College, Gokak, we are organizing a **Special Invited Talk** on "Ionic Structures" for B.Sc. III semester students on 2nd February, 2024. Kindly accept our invitation.

Thanking You...




Principal
PRINCIPAL
KLES'S Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI - 591 201



K.L.E. Society's
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DEPARTMENT OF CHEMISTRY

Special Invited Talk on "Ionic Structures"

Resource Person : Dr. N. L. Teradal, Asst. Professor, JSS College, Gokak

Date : 02-02-2024 Time : 11.00 AM Venue : Lecture Hall No 27

Class: B. Sc. III Sem Attendance Register

Sl. No	Roll No	Name of the Student	Signature
01	2	ADARSH DHANAPAL JADHAV	Adarsh
02	4	ANAND SOMSHEKHAR KONDAGULI	Anand
03	7	BRAMHI SIDAGOUDA PATIL	Bramhi
04	10	DEVAKI SANJU MUGALAKHOD	Devaki
05	11	DIYA JAMEER MANJREKAR	Diya
06	14	JAMMASHA SHAHINSHA MAKANDAR	Jammasha
07	17	LAXMI BALAKRISHNA SANADI	Laxmi
08	18	LAXMI DATTATREYA KAMATE	L.D.K.
09	20	MANUPRIYA BABU ADDEKKEKAVAR	Manu
10	21	MEGHA VENKATESH JOSHI	Megha
11	22	NANDINI SANJAY CHAVAN	N.S.Chavan
12	24	NIKHIL TANAJI DEVAMANE	Nikhil
13	26	PALLAVI ANIL PATIL	Pallavi
14	31	PRIYA DINAKAR PATIL	P.D.Patil
15	33	SAKSHI KESHAVA MADRAS	Sakshi
16	34	SAMIYA SAMEER JAMADAR	Samia
17	39	SHREYA DATTATREYA SATWAR	Shreya
18	40	SHWETA NARASINGRAV JADHAV	Shweta
19	45	SRUSHTI RAJU SAVADI	Srushti
20	46	SRUSHTI SURESH KAMBLE	Srushti
21	47	SRUSTI ANIL MEGHANAVAR	Srusti
22	49	SUPRIYA CHANDRAKANT KAMBLE	Supriya
23	51	TEJASHREE SUBHASH KATTIKAR	Tejashree
24	52	VIKAS VRASHASH KHOMBARE	Vikas
25	54	PRASHANT PARAPPA BANI	Prashant
26	58	PRIYANKA APPASAB MAU	Priyanka
27	64	SHIFA MATEEN MUJAWAR	Shifa
28	65	NEHA SHASHIKANT PATTAR	N.S.Pattar
29	75	SHWETA TATYASAHEB VARUTE	Shweta
30	76	SOUNDARYA TANAJI LOKARE	S.T. Lokare
31	77	MEGHANA PRAKASH MADRAS	M.P. Madras
32	80	JYOTI AJIT CHAMPU	J.A.Champu
33	81	ANIL RAJAGOUDA PATIL	Anil


Head of Department


Resource Person


IQAC Coordinator


Principal



K.L.E. Society's
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COLLEGE, CHIKODI - 591 201.
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DEPARTMENT OF CHEMISTRY

Special Invited Talk on "Infrared Spectroscopy"

Resource Person :Dr.P. P. Kattimani, Asst. Professor, JSS College, Gokak

Date : 02-02-2024 Time : 11.00 AM Venue : Lecture Hall No 26

Class: B. Sc. VSem

Attendance Register

Sl. No	Roll No	Name of the Student	Signature
01	2	ABHISHEK A PAKALE	<i>Abhishek</i>
02	7	ADARSH J LENDE	<i>Adarsh</i>
03	9	ADITYA A NILAIYOTI	<i>Aditya</i>
04	11	ADITYA B TONAPE	<i>Aditya</i>
05	14	AISHWARYA M MISHRIKOTI	<i>Aishwarya</i>
06	18	AKSHATA M KORE	<i>Akshata</i>
07	19	AKSHATA S MIRJE	<i>Akshata</i>
08	22	ANITA R MANE	<i>Anita</i>
09	24	ANKUSH A CHOUGALE	<i>Ankush</i>
10	26	ASHWINI L BANAGE	<i>Ashwini</i>
11	32	CHANDRAKANT S CHOUGALA	<i>C.S. Chougala</i>
12	46	LAXMI S ODEYAR	<i>L.S. Odeyar</i>
13	47	LAXMI S SABANE	<i>Laxmi</i>
14	50	MADHUMATI M MEGHANNAVAR	<i>Meghanavar</i>
15	53	MAHANANDA B MALI	<i>Mali</i>
16	64	MUZAFAR A KALAIGAR	<i>M. Kalaigar</i>
17	74	POORNIMA N KAGAWADE	<i>Poornima</i>
18	78	PREETI S PATIL	<i>Preeti</i>
19	74	POORNIMA N KAGAWADE	<i>Poornima</i>
20	79	PRIYA R JANTENAVAR	<i>Priya</i>
21	81	PRIYANKA M ARALIMATTI	<i>Priyanka</i>
22	82	PRUTHVIRAJ A UMARANI	<i>P.A.U.</i>
23	84	RAJASHREE M TIRODKAR	<i>R. M. Tirodkar</i>
24	87	ROHAN S KAMBLE	<i>Rohan</i>
25	92	RUTUJA R CHONCHANNAVAR	<i>Rutuja</i>
26	98	SANDHYA M SAMBHAI	<i>Sandhya</i>
27	100	SANJU J MIRJE	<i>Sanju</i>
28	110	SNEHA H.KAMBAR	<i>S.H. Kambar</i>
29	116	SOURABH SHARAD BHAMASHETTI	<i>Sourabh</i>
30	119	SUMIT M DHARWADE	<i>Sumit</i>
31	123	SURAJ SARAGE	<i>S.S.</i>
32	129	VANISHREE K KUMBAR	<i>Vanishree</i>

Head of Department

Resource Person

IQAC Coordinator/Principal



**K.L.E. SOCIETY'S
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COLLEGE, CHIKODI – 591 201.**

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Website: www.klesbcollegechikodi.edu.in

e-mail: kles_bkce@rediffmail.com

☎ : 08338 – 272176

01/02/2024

To,
Dr. Pramod P. Kattimani
Assistance Professor
Department of Chemistry
J. S. S. College, Gokak

Subject: Special Invited talk as a part of MoU, reg...

Dear Pramod,

As a part of MoU between KLE society's Basavaprabhu Kore Arts, Science and Commerce College Chikodi and JSS College, Gokak, we are organizing a **Special Invited Talk** on "**Infrared Spectroscopy**" for B.Sc. V semester students on 2nd February, 2024. Kindly accept our invitation.

Thanking You....




Principal
PRINCIPAL
KLES'S Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI - 591 201



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e-mail: kles_bkcc@rediffmail.com

☎ : 08338 - 272176

02/02/2024

To,
Dr. Pramod P. Kattimani
Assistance Professor
Department of Chemistry
J. S. S. College, Gokak

Subject: Letter of Appreciation

Dear Pramod,

Thank you very much for delivering talk on "Infrared Spectroscopy" to our B.Sc.V Semester, students on 02nd February, 2024. We are grateful for sharing your expertise in the field of Spectroscopy with our students. We expect the same cooperation in future.

Thanking You....



15/0
Principal
PRINCIPAL
KLES'S Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI - 591 201



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☎ : 08338 - 272176

01/02/2024

To,
Dr. Nagappa Teradal
Assistance Professor
Department of Chemistry
J. S. S. College, Gokak

Subject: Special Invited talk as a part of MoU, reg...

Dear Nagappa,

As a part of MoU between KLE society's Basavaprabhu Kore Arts, Science and Commerce College Chikodi and JSS College, Gokak, we are organizing a **Special Invited Talk** on "**Ionic Structures**" for B.Sc. III semester students on 2nd February, 2024. Kindly accept our invitation.

Thanking You....




Principal
PRINCIPAL
KLES'S Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI - 591 201



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e-mail: kles_bkcc@rediffmail.com

☎ : 08338 - 272176

02/02/2024

To,
Dr. Nagappa Teradal
Assistance Professor
Department of Chemistry
J. S. S. College, Gokak

Subject: Letter of Appreciation

Dear Nagappa,

Thank you very much for delivering talk on "Ionic Structures" to our B.Sc. III Semester, students on 02nd February, 2024. We are grateful for sharing your expertise in the field of chemical binding with our students. We expect the same cooperation in future.

Thanking You....




Principal
PRINCIPAL
KLES'S Basavaprabhu Kore
Arts, Science and Commerce Coll. Chikodi
CHIKODI - 591 201



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IQAC Initiative

DEPARTMENT OF CHEMISTRY

Title of the Program	Special guest lecture on " Ionic Structures " for B. Sc. Third Semester students as a part of MoU.
Date and Time	02 nd February 2024 11.00 AM
Place	Lecture Hall No 27, B. K. College, Chikodi
Resource Person	Dr. Nagappa Teradal, Assistant Professor, Department of Chemistry J.S.S College, Gokak
No of Beneficiaries	30
Objectives	<ul style="list-style-type: none">➤ To give the in-depth knowledge of Ionic structures from the expert in the field.➤ To motivate the students for deeper understanding of concepts.
Summary of the Proceedings	<p>The program began with welcome speech by Miss Akshata Mirje of B. Sc. V semester. Miss Supriya Bane of B. Sc. III semester introduced the resource persons. Shri S. S. Patil, Head, Department of Chemistry spoke on the occasion. The speaker has enlightened the students about Ionic Structures. The speaker has urged for the students to choose research as career. Lecture was helpful for the students to:</p> <ul style="list-style-type: none">➤ Understand the structural diversity in ionic crystals.➤ Understand three dimensional arrangements of entities. <p>The program concluded with vote of thanks by Miss Srusti Kamble of B. Sc. III Semester. Miss Priya Patil of B. Sc. III semester compered the function.</p>



Student Participants

Address by Resource Person

Head of Department

Resource Person

IQAC Coordinator

Principal
PRINCIPAL
KLES'S Basavaprabhu Kore
Arts, Science and Commerce Col
CHIKODI - 591 201



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e-mail: kles_bkce@rediffmail.com

☎ : 08338 - 272176

02/02/2024

To,
Dr. Nagappa Teradal
Assistance Professor
Department of Chemistry
J. S. S. College, Gokak

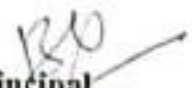
Subject: Letter of Appreciation

Dear Nagappa,

Thank you very much for delivering talk on "Ionic Structures" to our B.Sc. III Semester, students on 02nd February, 2024. We are grateful for sharing your expertise in the field of chemical binding with our students. We expect the same cooperation in future.

Thanking You....




Principal
PRINCIPAL
KLES'S Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI - 591 201



**KLE Society's
Basavaprabhu Kore Arts, Science
and Commerce College Chikodi-
591201**

Report

**Special Guest Lecture:
Vedic Mathematics**

Organized by
Department of Mathematics



Slogan: "Learn by Innovation"



Resource Person:
Prof. M. M. Holliyavar
Assistant Professor
Department of Mathematics
KLE Society's, SMS College
Athani-591304, Karnataka

CONTACT INFORMATION

 kles_society@rediffmail.com
 kles_society@rediffmail.com
08338-272176

 CHDYS-198F, Mira Road
Tennu Nagar Bellagavi,
Chikodi, Karnataka 591201

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All Are Cordially Welcome

Slogan: Learn By Innovation



KLE Society's
Basavaprabhu Kore Arts Science and
Commerce College,
Chikodi-591201



National Mathematics Day

Timing: 11.00am

A Special Lecture on

Medic-Mathematics

Department of Mathematics

Date: 28-12-2023

Venue: Sabhabhavan



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BASAVAPRABHU KORE ARTS, SCIENCE AND
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Ref No.: EST | BKCC | IQAC | 2022-23 | 386

Date: 23/12/2023

Department of Mathematics

To,

Prof. M. M. Holliyavar,

Assistant Professor,

KLE Society's,

Shri Shivayogi Murughendra Swamiji Arts, Science & Commerce College,

Athani – 591304, Karnataka, India

Respected Sir,

Sub.: Your consent to be the Resource Person for the Special Lecture

With utmost pleasure we wish to bring to your kind notice that under the aegis of Internal Quality Assurance Cell (IQAC) of our institution the Department of Mathematics is organizing a Special Lecture on the eve of *National Mathematics Day*.

We are beholden to you, Sir, for consenting to be as **Resource Person** on the occasion and we believe that your presence would greatly enrich the event.

The Special Lecture will be organized in our campus on **Thursday, 28th December 2023**.

Thanking you,

With high regards,

H. O. D.

MATHEMATICS

K. College, CHIKODI

Yours faithfully,

PRINCIPAL

K.L.E.'s Basavaprabhu Kore
Arts, Science and Commerce College,
CHIKODI-591 201



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Internal Quality Assurance Cell (IQAC) Initiative

Celebrating National Mathematics Day

A Special Lecture on

Vedic- Mathematics

Organized by

Department of Mathematics

Thursday, 28th December 2023

Time: 11.00AM

AGENDA

Invocation Song	Mahashweta Biste B. Sc. I Sem
Welcome Address	Prof. M. B. Rotti Head Department of Mathematics
Resource Person Session	Prof. M. M. Holliyavar Assistant Professor Department of Mathematics SMS College, Athani
Q/A Session	
Vote of Thanks	Dr. Vinayak V. Manjalapur IQAC Coordinator
Compeering	Daneshwari K & Aishwarya M B. Sc. V Sem


HoD


Principal
PRINCIPAL
KLE's Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI-591 201



INTRODUCTION

On the eve of National Mathematics Day, the special lecture on Vedic Mathematics held on 28th December, 2023 at Sabhabhavan was an enlightening and thought provoking event organized by the Department of Mathematics under the aegis of IQAC.

No. of Participants: 120

Objectives

- The event aimed not only to celebrate the contributions of Ramanujan but also to promote the importance and joy of mathematics among participants.
- To introduce the audience to the ancient Indian mathematical system known as Vedic Mathematics, exploring its principles and applications.



Slogan: "Learn by Innovation"



PROCEEDINGS

The event is began with invocation song by Mahashweta Biste from B. Sc. I semester. Welcomed by Prof. M. B. Rotti (HOD). The Resource Person: Prof. M. M. Holliyavar. SSMS College, Athani, Spoke about the renowned Indian Mathematician **Srinivasa Ramanujan** and his contributions. Also, Speaker delved into the fundamental principles of **Vedic-Mathematics**, covering topics such as sutras and sub-sutras. The audience gained insights into how these sutras can be applied to various mathematical operations, from basic arithmetic to more advanced concepts. After fruitful discussion of Q/A the event is concluded with an vote of thanks by Dr. Vinayak V. Manjalapur (IQAC Coordinator)

Outcomes:

The event successfully achieved its objectives and goal of promoting awareness and understanding of Vedic Mathematics



Chikodi, Karnataka, India
Shop No 4 near B K College, Chikodi, Karnataka
Lat 16.437748°
Long 74.596228°
28/12/23 12:01 PM GMT +05:30

Prof. M. B. Rotti
Head Department of Mathematics

Dr. V. V. Manjalapur
IQAC Coordinator

Dr. B.G. Kulkarni
PRINCIPAL
KLES'S Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI - 591 201

Slogan: "Learn by Innovation"

Certification of Appreciation
This is Proudly Presented to

Prof. M. M. Holliyavar

Assistant Professor, Dept. of Mathematics
KLE Society's, SMS Arts, Science & Commerce, Athani

*For sharing their valuable knowledge on
National Mathematics Day: Vedic Mathematics
as a resource person,
which was held on 28th December 2023.*

Organized by



Department of Mathematics

KLE Society's

**Basavaprabhu Kore Arts, Science and Commerce
College, Chikodi-591201**


Dr. B. G. Kulkarni

Principal



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Ref No.: BKCC| 2022-23|

Date: 28 | 12 | 2023

Appreciation Letter

To,

Prof. M. M. Holliyavar
Assistant Professor
Department of Mathematics
SMS Arts Science and Commerce College Athani

With all our due respect, we would like to thank you for sparing your valuable time and delivering an informative and thought provoking presentation on the eve of **National Mathematics Day** as a Resource Person on “*Vedic Mathematics*” which is conducted by the Department of Mathematics under the aegis of IQAC on 28th December 2023. All the participants participated enthusiastically and got enlightened from your views on the subject.

Thank you sir and we will be looking forward for your cooperation in future as well.

Date: 28-12-2023

Place: Chikodi

HOD
H. O. D.
MATHEMATICS
B. K. College, CHIKODI

Principal
PRINCIPAL
KLE's Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI-591 201



Sl. No.	Name	Class	Signature
1	Neha, S. Patil	BSc rd sem	N.S. Patil
2	Pallavi. A. Patil	BSc 3 rd sem	P. Patil
3	Srushti. R. Savadi	BSc 3 rd sem	S. Savadi
4	Bramhi. S. Patil	BSc 3 rd sem	B. Patil
5	Shifa. M. Mujawar	BSc 3 rd sem	Shifa
6	Sakshi. A. Ambale	BSc 3 rd sem	S. Ambale
7	Jyoti. C. Kokane	BSc 3 rd Sem	J.C. Kokane
8	Jyoti. A. Champu	BSc 3 rd Sem	J.A. Champu
9	Manupriya. B. Addekenavar	BSc 3 rd Sem	M. Addekenavar
10	Laxmi. D. Kamate	BSc 3 rd sem	L. Kamate
11	Soujanya. K. More	BSc-III sem	Soujanya
12	Amruta B Chavan	BSc-III sem	A. Chavan
13	Supriya C Kamble	BSc-III sem	S. Kamble
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**Study on Moth diversity of Order Lepidoptera in Chikodi village,
Karnataka.**

By

Madiha Mulla, Poonam Malage, Deepa Managanvi

Project Submitted to
DEPARTMENT OF ZOOLOGY



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ACKNOWLEDGEMENT

We the B. Sc V Semester students, Miss Madiha Mulla, Miss. Poonam Malage and Miss. Deepa Managanvi extend our sincere gratitude to all of them who directly or indirectly helped to complete and compile this project.

We express our gratitude to **Dr. B. G. Kulkarni** , Principal K.L.E Society's Basavaprabhu Kore Arts, Science and Commerce College, Chikodi, for permitting us to carry out our project.

Our sincere gratitude to **Dr. S I Puranik** Madam, Assistant Professor and Head Dept of Zoology, for her visionary guidance and unwavering support throughout our project. Madam's passion for entomology and dedication to excellence inspired us to do this project.

We appreciate the encouragement and support of our families and friends, who tolerated our long hours in the field. Their unwavering belief in us was a constant source of motivation.

We acknowledge the moths of Chikodi, whose beauty, diversity, and resilience inspired us to explore and learn more about these remarkable insects. Our project was a humbling experience that deepened our appreciation for the natural world and our responsibility to preserve it.

Lastly, we acknowledge our teamwork, which was the cornerstone of this project's success. We learned from each other's strengths and weaknesses, and our collaboration was a testament to the power of unity and shared purpose.

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I. INTRODUCTION

Moths are a group of insects that includes all members of the order Lepidoptera that are not butterflies, i.e. any of a group of night-flying insects that are lepidopterans often with duller coloring, stouter bodies, and smaller wings than the related butterflies and with antennae which are often feathery [1].

Classification of Moths

Kingdom	:	Animalia
Phylum	:	Arthropoda
Class	:	Insecta
Order	:	Lepidoptera
Suborder	:	Heterocera (moths) or Rhopalocera (butterflies and skippers)

Infraorder : The infraorders include

- Crambomorpha (grass moths and snout moths)
- Gelechioidea (twisted-wing moths)
- Heteroneura (variable moths)
- Macrolepidoptera (large moths)
- Microlepidoptera (small moths)

Superfamily : The superfamilies are

- Bombycoidea (silkworm moths)
- Gelechioidea (twisted-wing moths)
- Noctuoidea (owlet moths)
- Papilionoidea (swallowtail moths)

Family : The families of moths are

- Saturniidae (silk moths)
- Sphingidae (hawk moths)
- Noctuidae (owlet moths)
- Gelechiidae (twisted-wing moths)

Morphology

They have Furry, stout body with three segments (head, thorax, abdomen). Two pairs of wings (hindwings smaller than forewings) with tiny scales for color and pattern. Feathery or thread-like antennae. Large, compound eyes. Long, coiled proboscis for feeding on nectar. Six legs (front legs modified for tasting and smelling). Tiny scales and hairs on body and wings. Raised tubercles on some species for defense or camouflage. Distinct genitalia structures for mating and identification.

Geographical distribution

Moths are found in all vegetated ecosystems and are a staple food for many insectivorous birds and mammals. The distribution of moths is quite diverse and is influenced by various factors such as Climate, Elevation, Latitude, Vegetation structure, Abiotic factor, Host plant range [2].

Some examples of moth distribution include:

Geometrid moths are found in peninsular Malaysia and have been affected by different forest management practices. Hawkmoths are found in Southeast Asia and have been affected by habitat disturbance. Noctuid moths are found in Australia and have been affected by climate change. Yucca moths are found in North America and have co-evolved with yucca plants. Aquatic and semi-aquatic moths are found in freshwater ecosystems around the world.

Life cycle

It consists of four stages

1. **Egg** : Female moths lay eggs on a suitable food source, such as leaves, stems, or flowers. The eggs are usually small, oval-shaped, and vary in color depending on the species.
2. **Larva (Caterpillar)** : The egg hatches into a caterpillar, which eats and grows, molting several times as it outgrows its skin. During this stage, the caterpillar can be vulnerable to predators and parasites.
3. **Pupa (Chrysalis)** : When the caterpillar is fully grown, it forms a pupa or chrysalis, often in a protected location like a leaf or soil. Inside the pupa, the caterpillar undergoes a dramatic transformation, as its body breaks down and reorganizes into the adult moth form.

5. DIVERSITY OF MOTH

Euproctis



Domain	:	Eukaryota
Kingdom	:	Animalia
Phylum	:	Arthropoda
Class	:	Insecta
Order	:	Lepidoptera
Superfamily	:	Noctuoidea
Family	:	Erebidae
Tribe	:	Nygmiini
Genus	:	Euproctis

Distribution: *Euproctis* is a genus of tussock moths in the family Erebidae described by Jacob Hübner in 1819. Species are cosmopolitan, widespread throughout Palearctic, African, Oriental and Australian regions.

Status: The genus *Euproctis* includes several species, some of which are common and others that are rare.

Wingspan: The wingspan of the male is 30–32 mm and the female's wingspan is 35–37 mm.

Morphology: These are very small hairs (length 50–200 μm ; diameter up to 5 μm), each of which has a pointed end that articulates with its own socket. The distal end has multiple, small barbs. On detaching, the pointed tip of the hair penetrates the skin.

Life cycle: Life cycle: *Euproctischrysorrhoea* is univoltine [15]. Females lay 200–400 eggs, in masses, on the underside of host-plant leaves. The larvae emerge in late summer, feed gregariously and in autumn construct communal winter nests, wherein they overwinter, in diapause.

Observed: Managanvi tot, Belagali, Nagarmunnoli

Morphology: In Eupteroteasclepiades, the wings have a beige background that is ornamented with symmetrical, dark brown markings. Males are easily recognisable by the degree of pectination in their antennae [16].

Life cycle: The life cycle of Eupteroteasclepiades, a species of moth, typically follows a pattern common to many moths. It begins with the egg stage, followed by the larval stage where the caterpillar feeds and grows. The larva then pupates, forming a cocoon or chrysalis, before emerging as an adult moth. The adult moth then mates and lays eggs to complete the cycle. This species may have specific behaviors or characteristics unique to its life cycle, so further research or observation can provide more detailed insights into its development.

Observed: Nagarmunnoli

Daphnis nerii (oleander hawk-moth)



Domain	:	Eukaryota
Kingdom	:	Animalia
Phylum	:	Arthropoda
Class	:	Insecta
Order	:	Lepidoptera
Family	:	Sphingidae
Genus	:	Daphnis
Species	:	D. nerii

Distribution: India; Sri Lanka; Burma; Nepal; Thailand; Sumatra; China; Japan; Hong Kong; South Africa; Europe; Arabia; Afghanistan.

Status: These are very rare

Wing span: wing span is 90-110mm

Morphology: Neonate larvae, 3 to 4 mm in length, are bright yellow with a long, thin black posterior horn. Later instars are green or brown with a large blue and white eyespot near the head and a yellow posterior horn. Pupae are light brown and 60 to 75 mm in length. Adults are large moths, with a wingspan of about 90 to 110 mm [17].

Observed: Chikodi

Traminda mundissima



Kingdom	:	Animalia
Phylum	:	Arthropoda
Class	:	Insecta
Order	:	Lepidoptera
Family	:	Geometridae
Subfamily	:	Sterrhinae
Genus	:	Traminda
Species	:	T. mundissima

6. RESULT AND DISCUSSION

During our study we cited 15 moths in different places of Chikodi. The area includes Managanvi Belagali, Nagarmunnoli, Chikodi city, Ankali, Kenchanatti, Kabbur, Kalmad and Bambalwad. The study was done by continuous observation for 14 months.

As the Chikodi is having Agriculture land but most of the time dry whether we initially focused on rare moths. The study focused to identify gigantic moths but simultaneously we also cited some rare moths.

The climate of the Chikodi suits for these kinds of moths. Almost all moths belonged to order Lepidoptera with different taxa of family and genus. We cited six rare moths like *Eupterote aslepiades*, *Traminda mundissima*, *Syntomoides imaon*, *Panacela lewinae*, *Bellura gortynoides*, *Spirama* and one uncommon moth *Daphnis nerii*.

The diversity of moth was observed in varies ecosystem of different season. Few were cited in hot summer and few in winter. We could hardly spot moths during rainy season. The moths *Daphnis nerii*, *Traminda mundissima*, *Eressa confinis* attracted the attentions during our field visits with their different patterns and color.

7. CONCLUSION

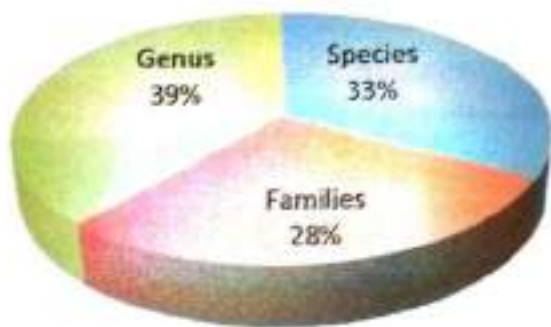
This project aimed to study moths diversity of Chikodi. Different localities of Chikodi showed variety of moths. Though the area has short rain fall but hilly reasons provide an environment for the existence of moth diversities. Our research focused on rare and gigantic species. To conclude we say that further study is required in terms of behavior and interaction of moth species with their environment.

Table 1. List of moths with their status of diversity

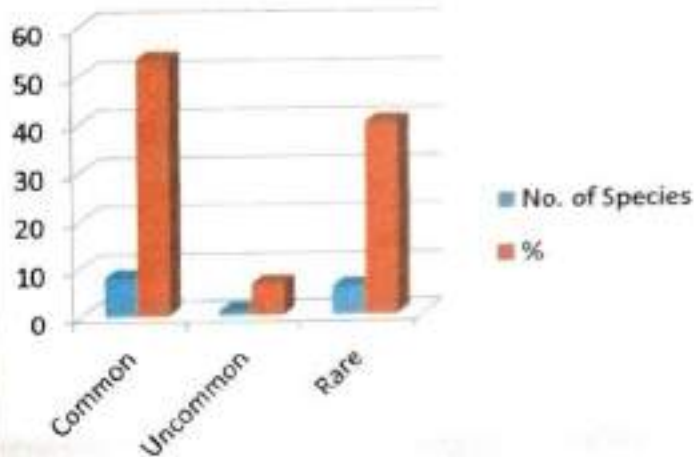
Sl. No	Scientific Name	Common Name	Family	Status
1	<i>Euproctis</i>	-	Erebidae	Common
2	<i>Eupterote aslepiades</i>	-	Eupterotidae	Rare
3	<i>Daphnis nerii</i>	Olender hawk-moth	Sphingidae	Uncommon
4	<i>Traminda mundissima</i>		Geometridae	Rare
5	<i>Crocidolomia pavonana</i>	Cabbage cluster caterpillar	Crambidae	Common
6	<i>Pericyma cruegeri</i>	Poinciana looper	Erebidae	Common
7	<i>Syntomoides imaon</i>	The handmaiden moth	Erebidae	Rare
8	<i>Condica capensis</i>	-	Noctuidae	Common
9	<i>Eressa confinis</i>	-	Erebidae	Common
10	<i>Panacela lewinae</i>	Lewin's bag shelter moth	Eupterotidae	Rare
11	<i>Pingasa chlora</i>	White loopr moth	Geometridae	Common
12	<i>Bellura gortynoides</i>	White-tailed diver	Noctuidae	Rare
13	<i>Eusarca confusaria</i>	-	Geometridae	Common
14	<i>Spirama</i>	-	Erebidae	Rare
15	<i>Acherontia atropos</i>	African death's-head hawkmoth	Sphingidae	Common

GRAPHS

Moths Distribution



Distribution	No. of Moth
Species	13
Families	11
Genus	15



Status	No. of Species	%
Common	8	53.3
Uncommon	1	6.67
Rare	5	33.3

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MORPHOPHYSIOLOGICAL DORMANCY IN *EMBELIA RIBES*
***BURM F.:* A MEDICINALLY IMPORTANT LIANA**



A PROJECT REPORT SUBMITTED TO
RANI CHANNAMMA UNIVERSITY BELAGAVI

FOR PARTIAL FULFILLMENT OF THE AWARD OF THE DEGREE OF

MASTER OF SCIENCE

IN

BOTANY

SUBMITTED BY

MISS. AKSHATA A. KULKARNI

MISS. GEETA P. MANNIKERI

MISS. PADMASHRI P. NALAVADE

MISS. RANI J. PATIL

MISS. SIFFA A. ALLAN

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2023

**MORPHOPHYSIOLOGICAL DORMANCY IN *EMBELIA RIBES*
BURM F.: A MEDICINALLY IMPORTANT LIANA**



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CERTIFICATE

This is to certify that; this project entitled “**Morphophysiological Dormancy in *Embelia ribes* Benth f.: A Medicinally Important Liana.**” is being submitted here with for the purpose of fulfillment of award of the Degree of Master of Science in Botany, Rani Channamma University, Belagavi. The work reported in this report is based upon the results of the original work carried out by **Miss. Akshata A. Kulkarni, Miss. Geeta P. Mannikeri, Miss. Padmashri R. Nalavade, Miss. Rani J. Patil and Miss. Siffa A. Allan** under my supervision and guidance.

Place: Chikodi
Date: 22/11/23


20/11/2023
Dr. Vidya V. Kamble
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Co-ordinator
Post Graduate of Department Botany

THE CO-ORDINATOR
P. G. Department of Botany
B. K. College, Chikodi.

DECLARATION

We hereby declare that this project work entitled "**Morphophysiological Dormancy in *Embelia ribes* Burm f.:A. Medicinally Important Liana**" completed and written by us has not previously formed. This report is based on the results carried out by us.

Place: Chikodi

Date: 22/11/23

MISS. AKSHATA A. KULKARNI

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ACKNOWLEDGMENTS

We have taken efforts in doing this project. However it would not have been possible without the kind support and help. We would like to extend my sincere thanks to all of them. We thank, Shri. Uday Singh R. Rajput, Principal, Basavaprabhu Kore College, Chikodi and Shri R. R. Naik, Co-ordinator, P. G. Department of Botany for their encouragement and administrative support during the present work.

We are highly indebted to Dr. Vidya Kamble for their guidance and constant supervision as well as for providing necessary regarding the project and also for their support in completing the project. Her constant guidance willingness to share her vast knowledge made us understand this project and it's manifestation's in great depth's and helped us to complete the assigned task on time.

*We take this opportunity to thank teaching faculty of our Department Dr. Sujata Shiragave Patil, Mr. Aditya Jain Lengade for their advice and cooperation throughout the study period. We would like to express my gratitude toward's my parent's and group member's for their kind cooperation and encouragement which help us in completion of this project on the topic of Morphophysiological dormancy in *Embelia ribes* Burm f.: a medicinally important liana. Our sincere thanks are also due to all our dear friends for their constant help and encouragement.*

We owe our special thanks to non-teaching staff members of Botany Department Mr. Vinod and Mr. Anand whose co-operation during the present work was valuable. Finally, we are grateful to all our well-wishers.

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Miss. Siffa Allan

LIST OF TABLES

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CHAPTER 1: INTRODUCTION

1.1: In General

Seed germination is important to know the germination pattern of a plant, more particularly the medicinal ones that might need to bring under cultivation for the primary healthcare system. The significance of the seedling in plant population ecology has long been recognized. The germination response pattern of seeds is also regarded as a key characteristic in plant life history strategy (Angevine and Chabot, 1979; Mayer and Poljak off-Mayber, 1989). The variation in seed dormancy and the subsequent patterns of seedling emergence are controlled by environmental conditions. Important factors controlling the variation in seed dormancy within species include the environment of the mother plant during the time of seed maturation and environmental conditions after the seeds have been released (Liebst and Schneller, 2008). Certain environmental conditions may be required to break dormancy and other conditions are often required to permit germination after dormancy is broken (Bewley, 1997).

Seeds of many species require days, weeks, or months at low temperatures to break dormancy (Vleeshouwers *et al.*, 1995), whereas others require warm temperatures for after-ripening to germinate when permissive conditions arrive (Baskin and Baskin, 1972). Many attempts have been made to investigate seed germination and seedling emergence of different annual and perennial species including medicinal plants (Baskin *et al.*, 1993; Hassan and Fardous, 2003; Chauhan and Johnson, 2008; Liebst and Schneller, 2008; Liza *et al.*, 2010).

1.2: Seed germination

Seed germination is a very complex process as it involves many biochemical, physiological and morphological changes within a seed. For germination to be initiated, three conditions must be fulfilled. First, the seed must be viable i.e the embryo should be alive and capable of germination. Second, the seed should be non-dormant i.e there should not be any dormancy or any chemical barrier for germination. Third, the environmental conditions like moisture, temperature, air (O_2) and light must be available in appropriate amount. If all these conditions are fulfilled, the quiescent embryo in the seed will resume growth, thus initiating the process of germination. In the early stages of growth, the embryo draws nutrients from the stored food material in the cotyledons or the endosperm. Later, new shoot/leaves are developed, which produce their own photosynthetic system (Rupendra Kumar, 2019)

1.2.1: Types of seed germination:

The radicle, the growing point of root emerges from the base of the embryo axis and the plumule, the growing point of shoot is at the upper end of embryo axis, above the cotyledons. The section of seedling stem above the cotyledons is called as epicotyl and below the cotyledons is called as hypocotyl (Rupendra Kumar, 2019).

Two types of germination are commonly found in cultivated plants.

1. **Epigeal germination:** Seed germination in dicots in which the cotyledons come above the soil surface. In this type, the hypocotyl elongates and raises the cotyledons above the ground surface, it is called as epigeous or epigeal germination. This type of germination is very common in beans, gourds, castor, tamarind and onion etc (Figure 1).
2. **Hypogeal germination:** Seed germination in dicots in which the cotyledons remain below the soil surface. In this type, the epicotyl elongates and the hypocotyl does not raise the cotyledons above ground, which is called as hypogeous or hypogeal germination. This type of germination is common in mango, custard apple, pea, gram, lotus and maize etc (Figure 2).
- 3.

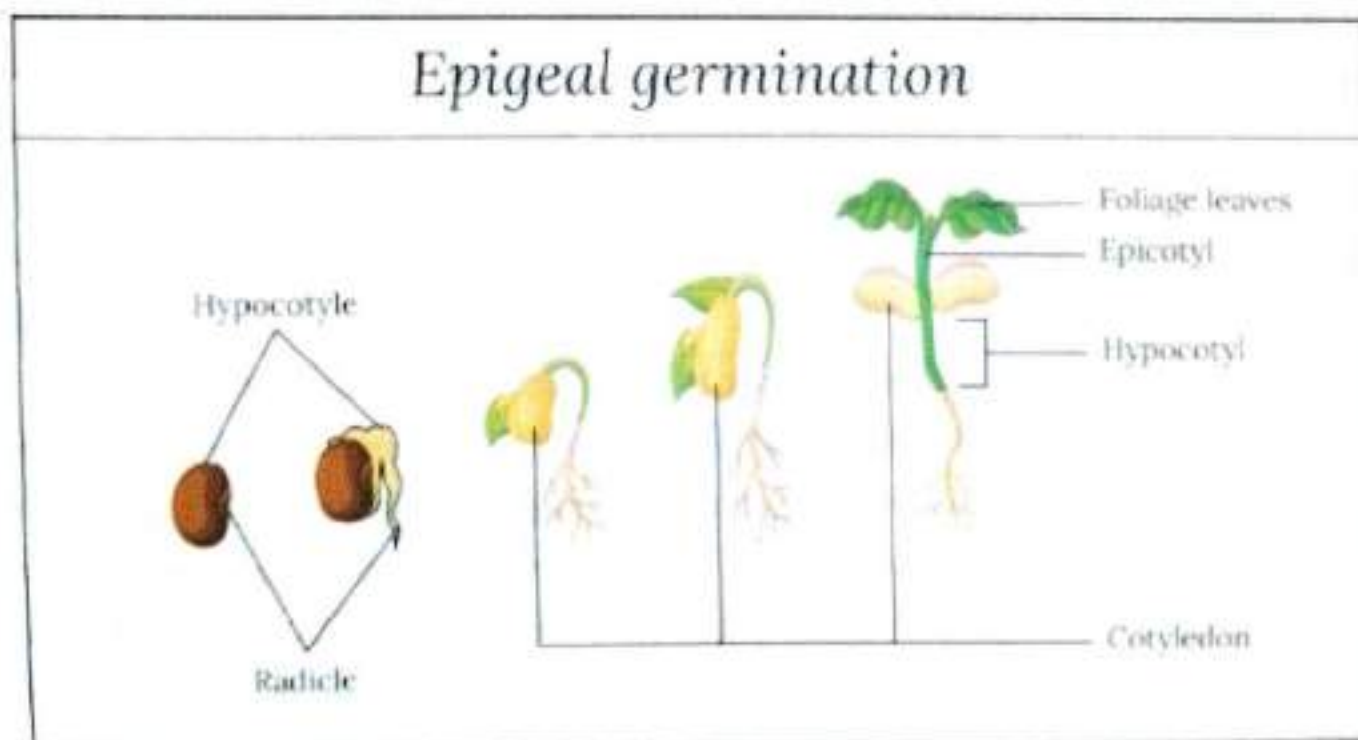


Figure 1: Epigeal germination



Plate 1: *Embelia ribes* Burm f. a) Inflorescence, b) Immature berries, c) Mature berries.

CHAPTER 4: RESULTS AND DISCUSSION

4.1: Physical characterization of mature seed of *Embelia ribes*

To assess *Embelia ribes* for the possible presence of dormancy, we first studied the physical characteristics of its mature seed. Immediately after harvesting four replicates of 100 fresh and dry seeds were weighed. Also, three replicates of 20 fresh and 20 dry seeds were measured, and average dimensions were determined. The length and width of entire fresh seed, as well as those that had been cut transversally or longitudinally, were measured using a dissecting microscope equipped with a micrometer. The average length of fresh berries is 3.35 ± 0.01 mm and average width is 3.03 ± 0.01 mm was observed. The average length of dry berries was 3.00 ± 0.01 mm and average width of 2.99 ± 0.01 mm was observed. The water content observed berries of *Embelia ribes* was 3.32 ± 0.02 (Table 3).

4.2: Physiological components (PD) of dormancy

To elucidate the mechanistic basis of the PD component in *E. ribes* dormancy, we began by testing the water permeability of the mature berries. When soaked in water for 24 h, the mass of both the seed with seed coat and seed without seed coat increased (Table 4), indicating that the seed was water permeable. We therefore attempted to evaluate whether the PD component in *E. ribes* was due to mechanical resistance of the pericarp-mesocarp envelope, surrounding the seed. To do this, we compared the time course of germination in seed with seed coat and seed without seed coat. The dry seeds with seed coat were soaked in water for 24 h there was 0.81 ± 0.25 g mass increased was observed. Also for the seed without seed coat has shown the mass increase of 1.27 ± 0.45 g for 20 replicates (Table 4).

4.3: Embryo growth and germination

Preliminary study on embryo growth and germination indicated that *E. ribes* seeds have a level of simple MPD. There was swelling of the seed was observed after a minimum of approx. 90 days incubation at 25°C . At this stage, the embryo was small and rudimentary, as in the freshly matured seed. The enlargement of the seed must have been due to endosperm swelling, rather than to embryo growth. Following this, the embryo formed two well-developed cotyledons, and radicle protrusion occurred after a further 90 day. After radicle emergence, the cotyledons continued to grow inside the seed, digesting the endosperm reserves and emerged on average after the emergence of the radicle. The number days required between radical protrusion and

Table 3: Characteristics of *Embelia ribes* fresh and dry berries.

Berries of <i>Embelia ribes</i>	Average weight (g \pm s.d.)	Average length (mm \pm s.d.)	Average width (mm \pm s.d.)	Water content (% \pm s.d.)
For 100 fresh berries	7.98 \pm 0.03	3.35 \pm 0.01	3.03 \pm 0.01	3.32 \pm 0.02
For 100 dry berries	4.66 \pm 0.01	3.00 \pm 0.01	2.99 \pm 0.01	

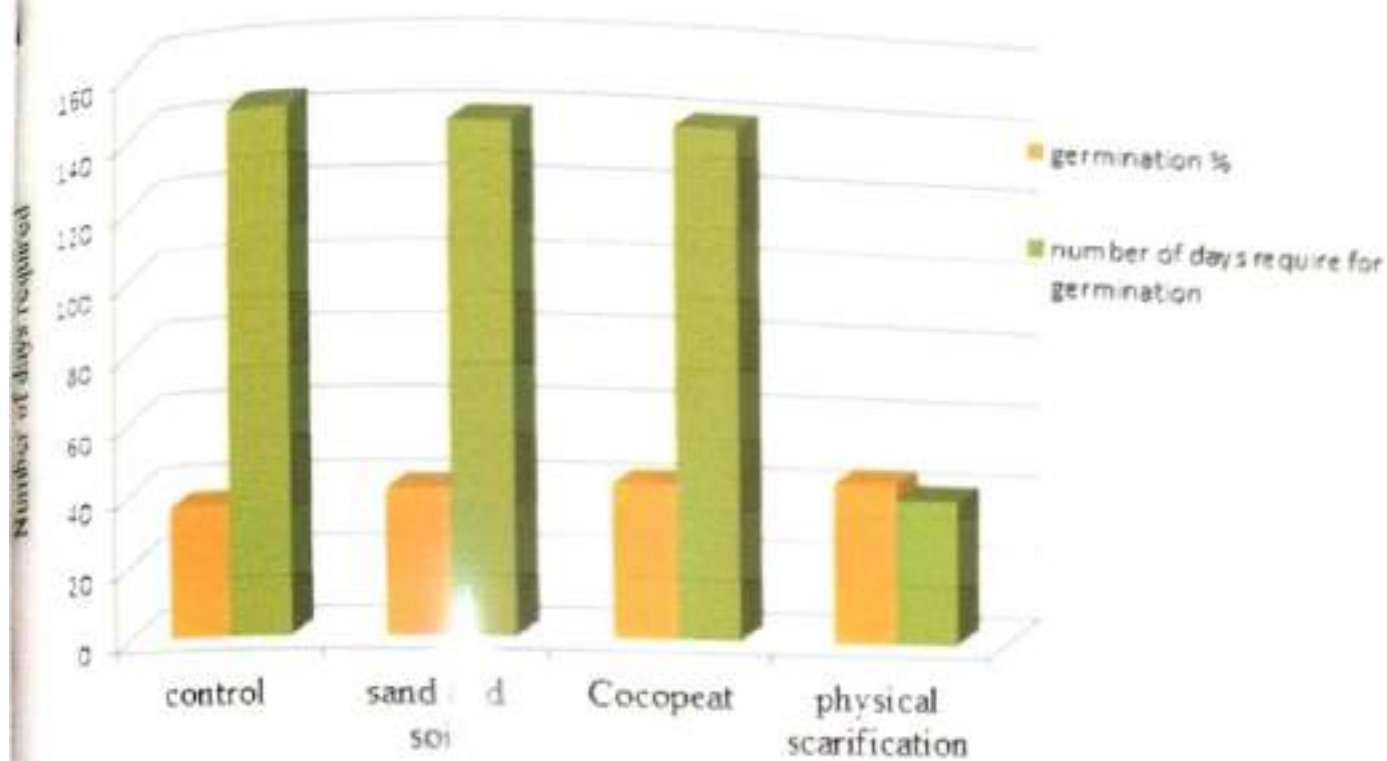


Figure 3: Germination percentage of seed obtained from *Embelia ribes* by using a) soil and sand, b) coco peat

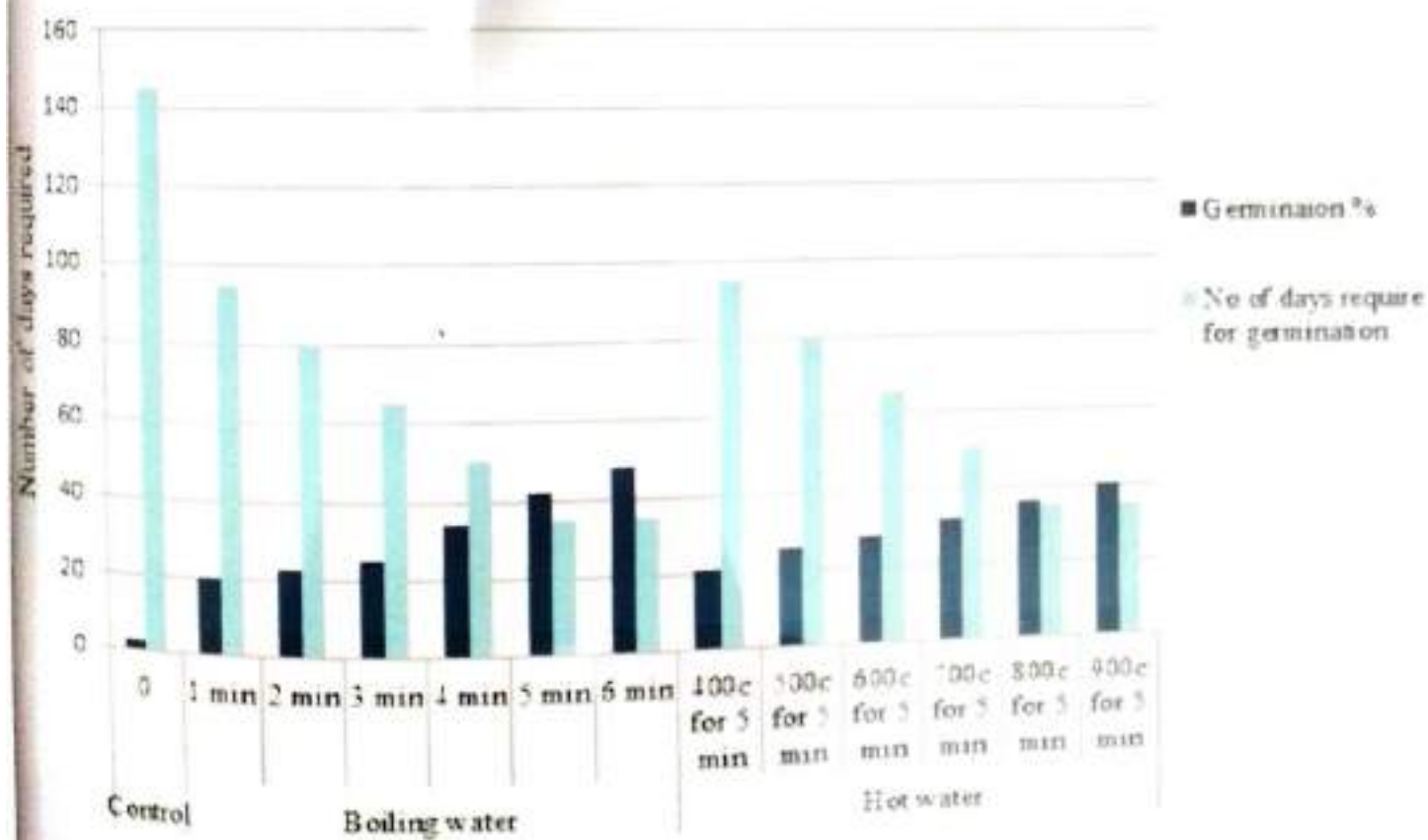


Figure 4: Germination percentage of berries obtained from *Embelia ribes* by using a) Boiling water treatment, b) Hot water treatment.

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K. L. E. Society's
BASAVAPRABHU KORE ARTS, SCIENCE AND
COMMERCE COLLEGE, CHIKODI



A PROJECT REPORT ON
INTERNSHIP

Undertaken At

SHRI VEERABHADRESHWAR STONE CRUSHER

Submitted to

RANI CHANNAMMA UNIVERSITY, BELAGAVI



FOR THE PARTIAL FULFILLMENT OF DEGREE IN BACHELOR OF COMMERCE
DURING THE ACADEMIC YEAR 2022-23

Submitted By

NALINI .B. MANGAJ

B.COM VI SEM.

EXAM REG NO: C2024839

Under the mentorship of

DR. LAXMIKANTHA NAYAKA

**K. L. E. Society's
BASAVAPRABHU KORE ARTS, SCIENCE AND COMMERCE
COLLEGE, CHIKODI**



CERTIFICATE

This is to certify that **Ms NALINI .B. MANGAJ** has satisfactorily carried out Internship at "**Shri. Veerabhadreshwar stone crusher**" and submitted the report for the partial fulfillment of degree in Bachelor of Commerce by Rani Channamma University, Belagavi during the academic year 2022-23



Name of Mentor
Prof. Laxmikantha Nayaka



Prof. Laxmikantha Nayaka
HEAD
HOD
Department of Commerce



Principal
PRINCIPAL
KLES'S Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI - 591 201



ACKNOWLEDGMENT

The success and outcome of this project was possible by the guidance and support from many people. This is a great opportunity to express my heartfelt thank to those people who timely supported me a long way in completion of project report.

First and foremost, I would like to express my sincere thanks to **Shri Veerabhadreshwar stone crusher** for their kind guidance and valuable suggestion for my project.

I convey my sincere gratitude to **Prof. U. R. Rajput**, Principal and Prof. Laxmikantha Nayaka, HOD, KLE's B. K. College, Chikodi for giving the opportunity and continuous support to complete the project.

I would like to thank my Mentor, Prof. Laxmikantha Nayaka faculty of KLE's B. K. College, Chikodi for being the continuous guidance and encouragement to the success of this Community Service Project.

I also express my hearty thanks to all my family members and friends who helped me directly and indirectly for the completion this project.

Place: Chikodi

Date:


Nalini B. Mangaj

Reg.No.C2024839

CERTIFICATE FROM OFFICIAL OF THE ORGANISATION

Shri. Veerabhadreshwar stone crusher

CERTIFICATE

This is to certify that MISS: Nalini .B. Mangaj Reg. No C2024839 of K. L. E Society's B. K. College Chikodi, has carried out internship activities in our organization for 10 days from ~~27.06.23~~ to 28.07.23.

The overall performance of the internship Volunteer during her conducting activities is found to be good.


**Shri Veerabhadreshwar Stone
Crusher Jainapur-591 226
Prop: S. B. Mangaj
Tal: Chikodi. Dist: Belagavi
Mob: 9448692496, 9632628708
GSTIN: 29BIMPM3566J1ZL**

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INTRODUCTION OF INTERNSHIP:

An internship is a period of work experience offered by an organization for a limited period of time. Once confined to medical graduates, internship is used practice for a wide range of placements in businesses, non-profit organizations and government agencies. They are typically undertaken by students and graduates looking to gain relevant skills and experience in a particular field. Employers benefit from these placements because they often recruit employees from their best interns, who have known capabilities, thus saving time and money in the long run. Internships are usually arranged by third-party organizations that recruit interns on behalf of industry groups. Rules vary from country to country about when interns should be regarded as employees.

Internships for professional careers are similar in some ways. Similar to internships, apprenticeships transition students from vocational school into the workforce. The lack of standardization and oversight leaves the term "internship" open to broad interpretation. Interns may be high school students, college and university students, or post graduate adults. These positions may be paid or unpaid and temporary. Many large corporations, particularly investment banks, have "insights" programs that serve as a pre-internship event numbering a day to a week, either in person or virtually.

Typically, an internship consists of an exchange of service for experience between the intern and organization. Internships are used to determine whether the intern still has an interest in that field after the real-life experience. In addition, an internship can be used to build a professional network that can assist with letters of recommendation or lead to future employment opportunities.

The benefit of bringing an intern into full-time employment is that they are already familiar with the company, therefore needing little to no training. Internships provide current college students with the ability to participate in a field of their choice to receive hands-on learning about a particular future career, preparing them for full-time work.

An internship is an official program offered by organizations to help train and provide work experience to help train and provide work experience to students and recent graduates.

MEANING OF INTERNSHIP:

An internship is a temporary period of an the job training, usually offered by educational or vocational institutions or companies, that allows students or inexperienced professionals to gain practical experience in a particular field or industry.







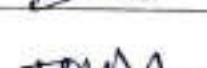
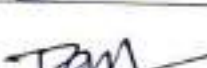


DEFINATION OF INTERNSHIP:

According to **Cambridge dictionary** "a period of time during with someone works for a company or organization in order to get experience of a particular type of work"

OBJECTIVES OF INTERNSHIP:

- Provide students the opportunity to relate theory to practice.
- Give students in service orientation to a career area they may wish to pursue.
- Allow students the opportunity to work in their area of intended specialization.

ACTIVITY LOG SHEET

Day & Date	Name of the activity	Time spent	Signature
Day - 01 27-06-2023	Manufacturing unit	8 hours	
Day - 02 01-07-2023	Maintenance of transaction book	8 hours	
Day - 03 05-07-2023	Maintenance of labour department	8 hours	
Day - 04 07-07-2023	Recording the credit sales book	8 hours	
Day - 05 10-07-2023	Recording the cash sales book	8 hours	
Day - 06 14-07-2023	Maintenance of tax invoice book	8 hours	
Day - 07 16-07-2023	Transportation activity	8 hours	
Day - 08 19-07-2023	Ledger maintain of persons	8 hours	
Day - 09 22-07-2023	Maintenance of transaction book	8 hours	
Day - 10 28-07-2023	Marketing activity	8 hours	

Tuesday

Day – 01

27-06-2023

Name of the activity:

MANUFACTURING UNIT

In my first day internship work the stone quarry supervisor show the all manufacturing work and production process. A stone crushing large stones into smaller pieces. The crushed stones are transfer through a conveyor belt to a storage area. And they are separated and sorted according to stone sizes.

Which can be used for purpose of house construction, bridges and road construction. The process of crushing stone it involves a different stages, including primary and secondary crushing. The primary crushing is made by workers in a quarry they breaking the large stones into smaller pieces. And the secondary crushing is made by machines and equipment based on the sizes of stone.

Which can be used for various applications. In addition to the stone crushers includes other components such as screens, conveyors, and feeders. That help to control a material wastage and ensure that the material are used efficiently.

WORK EXPERIENCE :

The internship provide opportunities to develop s skills, gain knowledge, and work in a professional environment. All valuable experiences that can be included on a resume. The internship work is depend on the type of industry.

An internship is helps to the student or new graduates to obtain practical experience in their subject of study. It is a short term work experience of students internship are meant to give hands-on training and industry experience, enabling interns to apply their classroom skills in practical way.

In my internship activity I make a ten days of internship work in shri. Veerabhadreshwar stone crusher. They give a permission to do internship work. They assist in all the activities and they provide the all information about their stone crushers. It was my great work experience because without any knowledge of internship I make it. After the internship work I gain the knowledge and how maintain the business. They also provide a certificate to me that will be helpful in my future.

I would like to say that this internship work is an excellent opportunity for us to get to ground level and experience the things that we would have never gained through the classroom teaching. I grateful to the shri. Veerabhadreshwar stone crusher for giving this wonderful opportunity.

ROLE OF INDUSTRY IN SOCIETY:

- Building stones activities will benefit the local and boost up the local markets.
- The building stones reserves of this area are economically viable.
- It benefited to the local peoples with direct and indirect employment.
- The regional benefits to the state in form of royalty, cess, taxes etc.
- The owner carry out various socio-economic welfare activities in the nearby villages.
- They plants trees in a there field to reduce the pollution.
- Which will be helpful for improving the aesthetics of the area and also in improving the ground water recharge in the area.

FINDINGS AND SUGGESTIONS:

Findings:

- It was established in the year 1993 with a capital of 20,00,000
- Raw material of sand or crushed stone which is used to construct a bridge, road and housing construction purpose.
- The water is used to farmer for their agricultural purpose.
- It will use a more energy consumption.
- Environment impacts like noise, vibration, dust etc are the problems.

Suggestions:

- To keep dust from blowing around, they should store their activity in covered areas.
- They make more plantation activity surround the crusher.
- They provide face masks to the employees.
- They make a more advertisement about the industry.
- Ground water can be used for local farmers for the purpose of harvesting.

Conclusion

The internship programme conducted at this organization made me to understand the frame work of an industrial unit. It gives a outflow on the various functions taking a part at organization including day to day activities. There is a wide scope of exploring and industry is utilizing it for me. My internship programme is unforgettable experience.

On completion of this internship I come to know about the importance of commerce department and the role of commercial manager and training executives in an organization. Hence I can sum up by saying that my internship was a milestone to my academics and professional experience. These lesson that I have earned experience. It will be valuable and helpful one to my future.

PHOTO GALLERY





K L E SOCIETY'S

BASAVAPRABHU KORE ARTS, SCIENCE & COMMERCE

COLLEGE, CHIKODI - 591201

(Accredited By 'A+' with 3.42 CGPA in 4th Cycle)

2023-2024

ORGANISATION VISIT

REPORT ON :- FINANCIAL MANAGEMENT

SR.NO	GROUP MEMBER'S NAME	ROLL NO
01	VIKRAM V. JANAJ	104
02	MANMOHAN R. NIPANI	113
03	RUSHIKESHA. MUNDE	67

SUBMITTED TO :

DR. LAXMIKANT NAIK SIR

TEACHER SIGN

INDEX

01	INTRODUCTION OF FINANCIAL MANAGEMENT <ul style="list-style-type: none">• MEANING• DEFINATION• FUNCTIONS• OBJECTIVE OF FINANCIAL STRUCTURE
02	Introduction Company <ul style="list-style-type: none">• Company Profile• Industry Profile• Name &Add,History
03	Structure Of Company Management
04	ABOUT FINANCIAL MANAGER
05	FUNCTION OF FINANCIAL MANAGER
06	ROLE OF FINANCIAL MANAGER
07	CONCULSION

NAME OF THE COMPANY



INTRODUCTION OF FINANCIAL MANAGEMENT



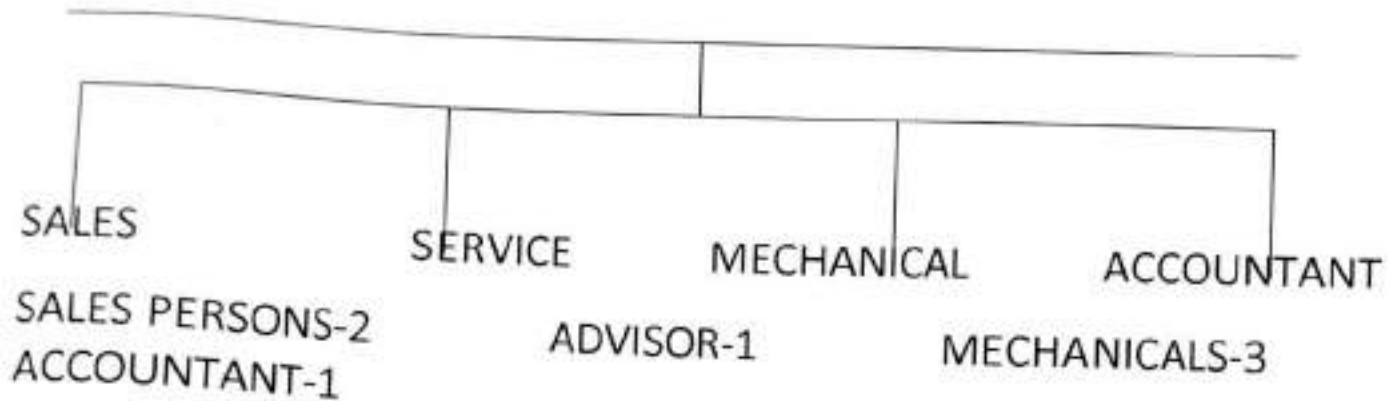
Financial management in a company is governed by the principle that it must protect the financial interests of the investors, shareholders, and ensure business growth. Apart from securing their interests, the financial managers are also expected to ensure greater ROI that generates more wealth for all shareholders.

MEANING OF FINANCIAL MANGEMENT

Financial Management means planning, organizing, directing and controlling the financial activities such as procurement and utilization of funds of the enterprise. It means applying general management principles to financial resources of the enterprise.

STRUCTURE OF THE COMPANY MANAGEMENT

MANAGER



- FINANCIAL MANAGER DETAILS: AKSHAY KORE
M.B.A
40 YEARS OLD
- ACCOUNTANT DETAILS :CHETAN PATIL
B.COM HOLDER
35 YEARS OLD
- BOOKS OF ACCOUNTS MAINTAINED IN BRANCH
JOB CARD
CASH BOOK
INWARD BOOK
OUTWARD BOOK
- SOFTWARE USE FOR MAINTAINING ACCOUNTS:
Statutory Accounting Principles (SAP)
- FINANCE MANAGER:

Finance managers are professionals responsible for overseeing an organizations financial activities. Some of the finance managers roles and responsibilities include:

:Creating Budget

:Analysing financial data:

:Making strategic financial dicision



CONCLUSION:

I got to learn about the hierarchy of the organization, various departments and how they function. A brief information was given about the bikes and also the pre delivery and post delivery at Mallikarjun Auto's Bajaj I was made to observe how the employees deal with the customers. I also interacted with the employees about their job satisfaction and working environment. The employees are happy with the facilities with which they are provided as it has a friendly environment. I also visited the service centre to see how they function and how the work is divided among the various employees. I was also given an assignment to call the customers for their queries and their views about the service of the company.



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Date: 22/06/2023

IQAC INITIATIVE
PG Department of Commerce

NOTICE

All the M.Com students and B.A, B.COM & B.SC final year students are hereby informed to attend **Entrepreneurship Awareness Program** on 23rd June, 2023 at 11.00 am in Sabha Bhavan organized by PG Department of Commerce.


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Department of Commerce


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IQAC INITIATIVE

PG Department of Commerce

Date: 23/06/2023

ENTREPRENEURSHIP AWARENESS PROGRAM

Time: 11.00 am

Agenda


- Welcome Speech : Shri. S. M. Bhosage
- Address by Resource Person : Prof. U.R. Rajput
Principal, KLE'S B K College, Chikodi
- Presidential Remarks : Prof. V.V. Patil
HOD, Department of Commerce
- Vote of Thanks : Shri. V. S. Khot

Compering : Mr. Sahil Jamadar

----- **All are cordially invited** -----


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**IQAC INITIATIVE
P.G. Department of Commerce**

Title of the Program	Entrepreneurship Awareness Program
Resource person	Prof. U. R. Rajput
Date and Time	23 rd June 2023 at 11.00 am
Place	Sabha Bhavan
No. of Beneficiaries	155
Objectives	<ul style="list-style-type: none">• To create awareness among students about various facets of entrepreneurship as an alternative career option.• To enhance the entrepreneurship skill.• To develop and strengthen the entrepreneurial quality i.e. motivation or need for achievement etc.
Summary of the Proceedings	<p>With a view to inculcate entrepreneurship culture among the students and encourage them to take entrepreneurship as a career option, PG Department of Commerce organized Entrepreneurship Awareness Program on 23rd June 2023. Prof. U. R. Rajput, Principal, KLE's B K College, Chikodi was the resource person. All BA, B.Com, B.Sc final year students and M.Com I & II year students were presented in this Program.</p> <p>The program began with Welcome address by Shri. S. M. Bhosage. The resource person Prof. U. R. Rajput deliberately addressed the gathering and enlightened students on importance of being an entrepreneur. Through captivating stories of successful entrepreneurs, he ignited the spark within students and motivated them to dream big.</p> <p>Prof. V. V. Patil HOD of Commerce Department delivered presidential remarks, emphasizing the significance of entrepreneurship in shaping a bright future. Lastly, Shri. V. S. Khot expressed heartfelt gratitude through vote of thanks.</p> <p>Students got idea about the different areas where they can position themselves as entrepreneur and create the job for others.</p>


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Entrepreneurship Awareness Program- Photos



Student's presence in the Program



Shri. S. M. Bhosage Welcoming the gathering



Resource Person Prof. U. R. Rajput addressing the gathering and shedding light on the importance of entrepreneurship in today's dynamic world.



Prof. V. V. Patil Head of Commerce Department proposing presidential remarks



Shri. V. S. Khot delivering vote of thanks


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K.L.E. SOCIETY'S
BASAVAPRABHU KORE ARTS, SCIENCE AND COMMERCE
COLLEGE, CHIKODI - 591 201

EST-1969

Accredited at A⁺ Grade With 3.42 CGPA in 4th Cycle

Website: klesbkcollegechikodi.edu.in ☎ : 08338 - 272176 Email: kles_bkcc@rediffmail.com

PG Department of Commerce

Date: 23/06/2023

Entrepreneurship Awareness Program 2022-23

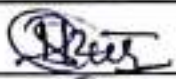

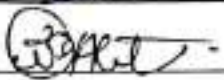
Time: 11.00 am

ATTENDANCE SHEET

Class: B. Sc

Sl. No.	Roll No.	Name of the Students	Signature
1	19	Pratibha. K. Parit.	Pratibha
2	69	Pallavi. K. Ichol	Pallavi
3	03	Ankita. T. Khot	Ankita
4	33	Tarabai. S. Kamble	Tarabai
5	36	Vijayalaxmi. K. Phulare	Vijayalaxmi
6	73	Priyanka. B. Bamanale	Priyanka
7	71	Preeti. T. Bahagouda.	Preeti
8	90	Sneha. A. Patil	Sneha
9	64	Nikhita S Paradar	Nikhita
10	24	Saleena. M. Nadaf	Saleena
11	22	Rohini. C. Sajjanavai	Rohini
12	09	Gourakka. Subrayagouda. Patil	Gourakka
13	29	Soumya. A. Kurani	Soumya
14	01	Akshata. D. Maste	Akshata
15	32	Sujata. S. Magdum	Sujata
16	62	Neeta. A. Maleclavan	Neeta
17	11	Komal. N. Mali.	Komal
18	16	Nandini. R. Sule	Nandini
19	63	Nayana. M. Drakshe	Nayana
20	08	Gayatri. D. Potadar	Gayatri
21	40	Ashruta R Ninganume	Ashruta
22	54	Kaveeri, Chandrakant, Kamble	Kaveeri

Sl. No	Roll No.	Name of the Students	Signature
23	70	Pragati. Mohan. Patanjape	
24	44	Bhagyashree. G. Dooganavar	
25	37	Akshata . S. Dooganavar	
26	66	Niki-la .R. Hiramalli	
27	203	Gayatri - R. Datawade	
28	45	chaitra. B. vantamuri	
29	48	Bhagyashree. T. Savant	
30	02	Akshata. Anil. Kamble	
31	48	Aivya . Raju. kumbar.	
32	13	Manisha. S. Hiraawade.	
33	12	Mohammadarif. A. Dange	
34	23	Ruturaj A. Tashildar	
35	82	Savant Krishna Magadum	
36	51	Halappa-T. padolkar	
37	85	Shranankumar. S. kambar	
38	18	Prajwal .P. Naganure	
39	80	Santosh D. Maste.	
40	46	Dattatreya T. Talawar.	
41	84	Shivanand . Basagoudanavar	
42	53	Jaikumar. L. Wavake	
43	25	Sameer. S. Bagawale	
44	35	Vicky . S. Sharma	
45	74	Rahul S Dabbannavar	
46	79	Sammed mahaveer Parode	
47	10	Gunadhar. Borasane	
48	72	Prakash. B. Patil	
49	182	Sangamesh. S. Patil	
50	83	Sheetal. S. Muragunde	
51	30	Sowaleh . S. Kothali	
52	07	Basavaraj .M. Killedar	
53	89	Siddant. K. ASKI	

Sl. No	Roll No.	Name of the Students	Signature
54	52	Drappa - S. Rajagoudar	
55	56	Kiran. I. Ambi	
56	60	Mahesh. A. Komati	
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PG Department of Commerce

Date: 23/06/2023

Entrepreneurship Awareness Program 2022-23

Time: 11.00 am

ATTENDANCE SHEET

Class: B A

Sl. No.	Roll No.	Name of the Students	Signature
1	54	Shubham V. Naik.	
2	05	Akshata, A. Patil	
3	38	Pratikha. R. Bhosale	P.R. Bhosale
4	48	Sandhya. T. Waghmudhe	
5	62	Swati, R. Kaspureshetti	
6	44	Rehana. K. Nadaf	
7	25	Lakshmi. I. mygal	
8	56	Sruthi. S. Ninganure	
9	57	Sachita. M. Godlapure	
10	50	Shilpa. R. Banakare.	
11	15	Ashwini. K. Patil	
12	42	Pushpa N Bane	
13	06	Akshata. N. Jogale	
14	41	Prema. A. Bane	
15	10	Anand. J. Mallannavar	
16	28	Mallikarjun. M. nagarale	M. M. nagarale
17	65	Vittal. mallapa. Iti	
18	31	Neelaja. W. Bhimaraik	
19			
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PG Department of Commerce

Date: 23/06/2023

Entrepreneurship Awareness Program 2022-23

Time: 11.00 am

ATTENDANCE SHEET

Class: B.Com

Sl. No.	Roll No.	Name of the Students	Signature
1	43	Anavi. V. Huddar	Anavi
2	40	Nandani Gayatri Mahaveer	Gayatri
3	19	Aarati. M. Katti	Aarati
4	13	Ankita. R. Mali	A.R. Mali
5	24	Deepa. B. Patil	Patil
6	83	Soumya U. Burase	Submay
7	84	Sujata. K. Baragale	StBaragale
8	47	Pooja. P. Magadum	P
9	32	Madhuri. Mali	M
10	05	Akshata S. Patil	AP
11	16	Aparna A. Badggave	APB
12	39	Nalini. B. Mangaj	NB
13	35	Manisha M. Malage	malage
14	58	Priyanka. M. Kote	Pkote
15	92	Veena. V. Kambale	veena
16	55	Preeti. P. Magdum	P
17	57	priyanka. S. Khot.	Pkhot
18	27	Dnyaneshwari V. Petkar	Dnyaneshwari
19	70	Sakshi sunil Jadhav	Sadhav
20	64	Rhutyaj Rayendra Rayjadhav	Rhutyaj
21	72	Savitri. M. Chougale	Savitri
22	15	Anushree. R. Halappanavar	Anushree

Sl. No	Roll No.	Name of the Students	Signature
23	96	Shradha Poddar	<u>Shradha</u>
24	23	Daneshwari R. Halappanavar	<u>Daneshwari</u>
25	77	Shravani M. Khot	<u>Shravani</u>
26	69	Sakshi. Deshpande	<u>Sakshi</u>
27	49	Pradnya. Kumbale	<u>Pradnya</u>
28	82	Soumya A. Patil	<u>Soumya</u>
29	81	Sonali. P. Bhiste	<u>Sonali</u>
30	06	Akshata. S. Patil	<u>Akshata</u>
31	80	Shubhangi D. Bokane	<u>Shubhangi</u>
32	10	Ambika R. Teli	<u>Ambika</u>
33	56	Prema. M. Fanzate	<u>Prema</u>
34	48	Pooja M. Sutar	<u>P.M. Sutar</u>
35	17	Apoorva T. Teli	<u>Apoorva</u>
36	29	Jyoti R. Rampure	<u>Jyoti</u>
37	37	Megha G. Karoshi	<u>Megha</u>
38	59	Priyanka. B. Kandagave	<u>Priyanka</u>
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PG Department of Commerce

Date: 23/06/2023

Entrepreneurship Awareness Program 2022-23

Time: 11.00 am

ATTENDANCE SHEET

Class: M.Com I

Sl. No.	Roll No.	Name of the Students	Signature
1	7	Mohasina. P. Mulla.	
2	15	Seema H Yawdward	
3	21	Taswini. Y. M. Torani	T.Y. M. Torani
4	18	Shweta. M. Ambi	S. M. Ambi
5	23	Vinaya. M. Pawan	V. M. Pawan
6	6	Laxmi. M. Pujeri	
7	11	Poornima B. Bagt	
8	04	Kareena. M. Makandar.	
9	13	Pratibha. L. Mayappaanavar	
10	17	Shruti. Karnawadi	
11	03	Deepa yashavant	
12	09	Pallavi. R. Asangi	
13	15	Savitri. M. Uppan	
14	12	Pradnya Mali	
15	14	Priyanka. Medashi	
16	05	Laxmi. S. Kulagude	
17	01	Arati R. Desai	A.R. Desai
18	22	Vidya. S. Konganoli	V.S. Konganoli
19	10	Pooja. B. Desai	P.B. Desai
20	08	Nikhita. S. Gousaj	
21	02	Aniket. A Managutt	
22	19	Siddharth, R. Chandagade	
23	24	Sunita. A. Atelatargerhal	
24	20	Snehal. D. Tadhar.	



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PG Department of Commerce

Date: 23/06/2023

Entrepreneurship Awareness Program 2022-23

Time: 11.00 am

ATTENDANCE SHEET

Class: M. Com II

Sl. No.	Roll No.	Name of the Students	Signature
1	10	Sahil. G. Jamadar	Sahil
2	09	Rekha. B. Khot	R
3	05	Kavesh. S. Bekker	Pavij.
4	04	Dipika. G. Thutale	Thutale
5	02	Archana R. Bhosale	Bhosale
6	15	Soumya. B. Kumbhar	Soumya
7	13	Shubangi S. Naik	Shubangi
8	07	Roshikurath. P. Jayaram.	Roshikurath.
9	08	Mahesh. S. Bhavi	Mahesh
10	20	Vikas B. Gudase.	Vikas
11	01	Abhishek B Naik	Abhishek
12	14	Speha. S. Gholap	Speha
13	08	Pooja. A. Bhosale	P.A. Bhosale.
14	16	Sujata R. Horatti	Sujata
15	17	Swati B. Jategaonkar	Swati
16	19	Ujwal. M. Khot	Ujwal
17	20	Savita K. Byakul.	Savita
18			
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K.L.E. SOCIETY'S EST. 1979
BASAVAPRABHU KORE ARTS, SCIENCE AND COMMERCE
COLLEGE, CHIKODI - 591 201

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Website: mesbkcollegechikodi.edu.in : 08338 - 272176 Email: kles_bkcc@rediffmail.com

Date: 19/02/2024

IQAC INITIATIVE

NOTICE

In order to create awareness among the students about cyber crimes and their safety measures P.G. Department of Commerce and Department of Journalism & Mass Communication in Association with Cyber Economic and Narcotics Crime Police Station, Belagavi Organizes **One Day Workshop on Cyber Crime** on 21-02-2024 at 10.30 am in Sabha Bhavan. So, it is hereby informed to all BA, B.Sc, B.Com, M.Com & M.Sc students to attend the same.



HEAD
Department of Commerce



Head
Dept. of Journalism &
Mass Communication



PRINCIPAL
KLE's Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI-591 201



Date: 21/02/2024

IQAC INITIATIVE

Time: 10.30 am

Venue: Sabha Bhavan

P.G. Department of Commerce and Department of Journalism & Mass Communication

In Association with

Cyber Economic and Narcotics Crime Police Station, Belagavi

Organizes

One Day Workshop on Cyber Crime

AGENDA

- | | |
|----------------------------------|---|
| Invocation Song | : Miss. Anuja Mhetre and Group |
| Welcome Speech | : Mr. Akash Mathapati |
| Introduction of Resource Persons | : Miss. Laxmi Pujeri |
| Flower Presentation to Delegates | : 1. Shri. Ramesh Awaji CPI, CEN Belagavi
2. Shri. Sachinkumar Dasareddy PSI, Chikodi
3. Shri. Anand Mali Cyber Expert
4. Shri. Amit Mali Cyber Expert
5. Dr. B. G. Kulkarni Principal, B K College, Chikodi
6. Dr. Vinayak Manjalapur IQAC Co-ordinator |
| Address by the Resource Persons | : 1. Shri. Ramesh Awaji CPI, CEN Belagavi
2. Shri. Sachinkumar Dasareddy PSI, Chikodi
3. Shri. Anand Mali Cyber Expert
4. Shri. Amit Mali Cyber Expert |
| Presidential Remarks | : Dr. B. G. Kulkarni Principal, B K College, Chikodi |
| Vote of Thanks | : Miss. Vidya Konganoli |
| Master of Ceremony | : Miss. Poornima Bagi and Akshata Uchaganve |


HEAD

Department of Commerce


Head

Dept. of Journalism &
Mass Communication


IQAC Coordinator

H.E's Basavaprabhu Kore
Arts, Science and Commerce College
Chikodi - 591 201


PRINCIPAL

K.L.E's Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI-591 201



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Date: 21/02/2024

IQAC INITIATIVE

Time: 10.30 am

Venue: Sabha Bhavan

P.G. Department of Commerce and Department of Journalism & Mass Communication

In Association with

Cyber Economic and Narcotics Crime Police Station, Belagavi

Organizes

One Day Workshop on Cyber Crime

ATTENDANCE SHEET

Sl. No	Name of the Students	Class	Signature
1	Pranod. L. Danihal.	M.Com I st Sem	
2	Shivaraj. S. Vadure	M.Com I st	
3	Achyut R. Joshi	M.Com I st	
4	Paratibha L. Mayappanavasi	M.Com II nd year	
5	Kareena. M. Makandar	M.Com II nd year	
6	Pradnya S. Mali	M.Com II nd year	
7	Shruti. Karnawadi	M.Com II nd	
8	Sunita, A. Athkhangherhal	M.Com II nd yr	
9	vidya. S. konganali	M.Com II nd yr	V.S. konganali
10	Nehita. S. Gowaj	M.Com II nd	
11	Arati R. Desai	" "	A.R. Desai
12	Snehal D. Gadhar	" "	
13	pooja B. Desai	" "	P.B. Desai
14	Mohasina. P. Meella	M.Com II nd	
15	Savitri. M. Uppar	M.Com II nd	
16	Pallavi, Romu, Asangi	M.Com II nd year	
17	Pooja. S. Kamble	M.Com I st	
18	Aishwarya. C. Gholap	M.Com I st	
19	Vaishnavi T. More	" "	
20	pooja R. shinde	" "	

21	Seema. H. Yashward	M.Com II nd	SKM
22	Vinaya M. Pawar	M.Com II nd	V. M. Pawar
23	Taswini. Y. Mufuruni	"	T. Y. Mufuruni
24	Shweta. M. Ambi	"	S. M. Ambi
25	Jyoti A Dhasanaik	M.Com I st	JDhasi
26	Pavitra D Paramashekti	" " "	PP
27	Aishwarya. M. Hudali	"	AHudali
28	Supriya. B. Belavi	M.Com 1 st	SBelavi
29	Sonali. B. Patil.	" "	SPatil
30	Tijashmi. S. Awate	" "	TAwate
31	Sangeeta. B. Dange	M.Com 1 st	SDange
32	Pratibha S. Chinchani	M.Com I	PC
33	Kavya. B. Patil	M.Com I st	KBPatil
34	Pushpa. M. Danihal	M.Com I st	PD
35	Arati S. Sansuddi	M.Com I st	ASansuddi
36	Shilpa. A. Junzaranwar	M.Com I st	SAJunzaranwar
37	Keerti H Babannavar	M.Com I st	KB
38	Nandini. B. Jungal	M.Com I st	NB
39	Bhagyashree. Patil	BA III rd	BPatil
40	Sneha. Shedabale	"	SS
41	Anuja. A. Mhetre	BA - III rd	AM
42	Hanamant Ganesha Gajjar	BALLB III rd	HG
43	Daneshwari, A. Shedabale.	BA - III rd	DS
44	Pooja. R. Kapale	BA - III rd	PK
45	Sapna. S. Kapale	BA - I st	SK
46	Muktabai Dasan	BA - I st	MD
47	Samya. G. Anikar	BA - I st	SG
48	Bhimambika. S. Jogalekar	BA - V th Sem	BJS
49	Vidya. P. Pujari	BA - II th Sem	VP
50	Bhavana D. Sonay	BALLB IV th Sem	BS
51	Suchitra. S. Malashetti	BALLB I st	SM
52	Pallavi. R. Chalawade.	BALLB I st Sem	PC
53	Indira. V. Naik	BA - II. BI st Sem	IN
54	Mayuri. B. Patil	" "	MPatil

55	Mayuri Vitthal Ingle	I BA LLB	Agla..
56	Sakshi. Yuvaraj. Karbhari	I BA LLB	Sakshi
57	Arati. B. Chaugala	Bsc-I	telhoughal
58	Pani. V. Pujari	Bsc-I	RND..
59	Saniya. J. Peerwale	Bsc-I	Saniya
60	Sanjelka. B. Chougala	Bsc I	Sanjel
61	Suelharani. Gulabadi	Bsc-I	Suel
62	Pallavi. Shivapur.	Bsc-I	Pall
63	Sanika. Marate	Bsc-I	Sani
64	Sujata. K. Baragale	M.Com-I	SBaragale
65	Panjana. B. Eran?	Bcom II year	Panjana
66	Pooja. M. Banihal	Bcom I	Pooja
67	Shruti. V. Kelagale	III rd y BA LLB	Shruti
68	Ranjita M. Hattorawal	III rd y BA LLB	Ranjita
69	Priyanka N Baad	III rd yr BA LLB	Priyanka
70	Veena. Daptardar.	III rd yr BA LLB	Veena
71	Vinita. S. Chimmatt	I st BA LLB	Vinita
72	Kersti. D. Meikani	I st BA LLB	Kersti
73	Veena B. Salamontapi	I st BA LLB	Veena
74	Bhakti G. Kadam	I st BA LLB	Bhakti
75	Swati. B. Ghaske	I st BA LLB	Swati
76	Tejashwini. A. Jodrali	BSC I st	Tejashwini
77	Deepa. S. Pujari	B. SC I st	Deepa
78	Ishwari. S. Pattanashetti	B. Sc I	Ishwari
79	Aishwarya. C. Daddamani	B. A I	Aishwarya
80	Vaishnavi. S. Kezyagal	BA I	Vaishnavi
81	Miraj. P. Saradi	BA I st	Miraj
82	Yashodha. M. Patil	BA I st	Yashodha
83	Radhika. M. Naik	BA I st	Radhika
84	Laxmi. M. Kotabagi	BA I st	Laxmi
85	Smushti R Kambale	BA I st	Smushti
86	Ajali. Y. Talagori	BA LLB ^{1st}	Ajali
87	Sakshata R. Sonadi	Bcom - 5 th sem	Sakshata
88	Priyanka. H. Kambale	BA LLB ^{1st}	Priyanka

89	Anita. P. Shinde	B.A.LL.B 1 st	<u>Anita</u>
90	Kaveri. C. Kamagoud	BA 1 st	<u>Kamagoud</u>
91	Gajatri. M. Mariyar	B.Sc 1 st	<u>Gajatri</u>
92	Shivani. P. Patil	B.Sc 1 st	<u>Shivani</u>
93	Jyoti. T. Thakkonnavar	B.Sc 1 st	<u>Jyoti</u>
94	Laxmi. Kokatanur	B.Sc 1 st	<u>Laxmi</u>
95	Aishwarya. Bidari	B.Sc 1 st	<u>Aishwarya</u>
96	Ashwini S. Madhale	B.A.M. 1 st Sem	<u>Ashwini</u>
97	Nilambari Katti	B.A.M. 1 st Sem	<u>Nilambari</u>
98	Preerana Shende	B.A.M. 1 st Sem	<u>Preerana</u>
99	Shradha. S. Kempurane	B.A.LL.B 1 st Yr	<u>Shradha</u>
100	Nikita. Chhatage	B.A.LL.B 1 st Yr	<u>Nikita</u>
101	Ismail Nadas	B.A.LL.B 1 st Yr	<u>Ismail</u>
102	Rakesh. M. Koli	B.A.LL.B 1 st Yr	<u>Rakesh</u>
103	Faijan. R. Jamaclan	B.A.LL.B 1 st Yr	<u>Faijan</u>
104	Vasant. P. Totager	B.A.LL.B 1 st Yr	<u>Vasant</u>
105	Amara. M. Awate	B.A.LL.B 1 st Yr	<u>Amara</u>
106	Malik. R. Dange	B.A.LL.B 1 st Yr	<u>Malik</u>
107	Raju. A. Shemacle	B.A.LL.B 1 st Yr	<u>Raju</u>
108	Tarun. Kambale	B.A.LL.B 1 st Yr	<u>Tarun</u>
109	Poornanand. Ghali	B.A.LL.B 1 st Yr	<u>Poornanand</u>
110	Sanju B. Nidavani	B.A.LL.B 1 st Yr	<u>Sanju</u>
111	Omkar. C. More	B.Sc III rd	<u>Omkar</u>
112	Prateek S. Agasari	B.A.LL.B 1 st Yr	<u>Prateek</u>
113	Chiranjeev. M. Horewarthi	LL.B 1 st Sem	<u>Chiranjeev</u>
114	Vinod. Nadon	LL.B 1 st Sem	<u>Vinod</u>
115	Ranjit Bane	BA. 1 st	<u>Ranjit</u>
116	Siddharadh. S. Wadlyar	LL.B 1 st Sem	<u>Siddharadh</u>
117	Shivanand. Sanadi	LL.B 1 st Sem	<u>Shivanand</u>
118	Bhashidhar Joshi	LL.B 1 st Sem	<u>Bhashidhar</u>
119	Ravichandoo. S. Tigane	LL.B. 2 nd Year	<u>Ravichandoo</u>
120	Mubarnat Nadas	LL.B. 2 nd Year	<u>Mubarnat</u>
121	Ram. M. Kurall	BA 1 st	<u>Ram</u>
122	Sujalkumar. P. Mohite	B.A 1 st	<u>Sujalkumar</u>

- 123 Shreenath B Khath
- 124 Praywal N. Kambale
- 125 Amit Managutte
- 126 Premod. A. Waghmare
- 127 Rohit. M. Deswargi
- 128 Suresh. P. Phansale
- 129 Abhishek. V. Havaldar
- 130 Laxmi M. Pujeri
- 131 Pooxima Bagi

- B.A I
- BA - Ist
- BA - Ist
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Ref No: BKCC/2024/24

Date: 21/02/2024

Appreciation Letter

To,
Shri. Ramesh Awaji, cm
Cyber Economic and Narcotics
Crime Police Station, Belagavi

With all our due respect, we would like to thank you for sparing your valuable time and delivering an informative and enlightened speech as a Resource Person on "One Day Workshop on Cyber Crime" which is conducted by P.G. Department of Commerce and Department of Journalism & Mass Communication in Association with Cyber Economic and Narcotics Crime Police Station, Belagavi under the aegis of IQAC on 21st February 2024. All the participants participated enthusiastically and got enlightened from your words.

Thank you sir and we will be looking forward for your cooperation in future as well.

Date: 21-02-2024

Place: Chikodi


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Ref. No. BKCC/2023-24

Date: 21/02/2024

Appreciation Letter

To,

Shri. Sachinkumar Dasareddy
PSI, Law & Order Chikodi

With all our due respect, we would like to thank you for sparing your valuable time and delivering an informative and enlightened speech as a Resource Person on " One Day Workshop on Cyber Crime " which is conducted by P.G. Department of Commerce and Department of Journalism & Mass Communication in Association with Cyber Economic and Narcotics Crime Police Station, Belagavi under the aegis of IQAC on 21st February 2024. All the participants participated enthusiastically and got enlightened from your words.

Thank you sir and we will be looking forward for your cooperation in future as well.

Date: 21-02-2024

Place: Chikodi


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Ref. No: BKCC/2023-24

Date: 21/02/2024

Appreciation Letter

To,
Shri. Anand Mali
Cyber Expert

With all our due respect, we would like to thank you for sparing your valuable time and delivering an informative and enlightened speech as a Resource Person on " One Day Workshop on Cyber Crime " which is conducted by P.G. Department of Commerce and Department of Journalism & Mass Communication in Association with Cyber Economic and Narcotics Crime Police Station, Belagavi under the aegis of IQAC on 21st February 2024. All the participants participated enthusiastically and got enlightened from your words.

Thank you sir and we will be looking forward for your cooperation in future as well.

Date: 21-02-2024

Place: Chikodi



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Ref No: BKCC/2023-24

Date: 21/02/2024

Appreciation Letter

To,
Shri. Amit Mali
Cyber Expert

With all our due respect, we would like to thank you for sparing your valuable time and delivering an informative and enlightened speech as a Resource Person on " One Day Workshop on Cyber Crime " which is conducted by P.G. Department of Commerce and Department of Journalism & Mass Communication in Association with Cyber Economic and Narcotics Crime Police Station, Belagavi under the aegis of IQAC on 21st February 2024. All the participants participated enthusiastically and got enlightened from your words.

Thank you sir and we will be looking forward for your cooperation in future as well.

Date: 21-02-2024

Place: Chikodi


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IQAC INITIATIVE

PG Department of Commerce and Department of Journalism and Mass Communication
In Association with
Cyber Economic and Narcotics Crime Police Station, Belagavi

Title of the Program	One Day Workshop on Cyber Crime
Date and Time	21 st February 2024 at 10.30am
Place	Sabha Bhavan
No. of Beneficiaries	131
Objectives	<ul style="list-style-type: none">• To create awareness about various forms of cyber-crime.• To educate students on how to protect themselves against cyber-crime.• To provide information to the students about jurisdictional issues involved in the investigation and punishment of the cyber-crime.
Summary of the Proceedings	<p>With a view to educate students about various cyber crimes, jurisdictional issues, penalties and punishment for cyber offences and protection against cyber crimes, PG Department of Commerce and Department of Journalism and Mass Communication in Association with Cyber Economic and Narcotics Crime Police Station, Belagavi organized One Day Workshop on Cyber Crime on 21st February 2024. Shri. Ramesh Awaji CPI, CIDN Belagavi, Shri. Nagesh Kadadevar CPI, Chikodi, Shri. Sachinkumar Dasareddy PSI, Chikodi and Cyber experts Shri. Anand Mali and Shri. Amit Mali were the resource persons of the program. All BA, B.Sc, B.Com, M.Com and LLB students were presented in the program.</p> <p>The program began with invocation song by Miss. Anuja Mhetre and group. Mr. Akash Mathapati welcomed the gathering. Miss Laxmi Pujeri introduced the resource persons of the program and all the</p>

dignitaries were welcomed with flower.

The resource person Shri. Sachinkumar Dasareddy PSI, Chikodi addressed the gathering by explaining various cyber frauds like phishing, job fraud,, E-mail scam, investment fraud, fake whats app video call, olx fraud, social media scams, kyc fraud etc. Shri. Ramesh Awaji CPI, CEN Belagavi spoke on Facebook scams with live examples and how victims faced problems & lost their money through these scams and also suggested precautionary measures to be followed to safeguard ourselves from these types of scams.

Cyber experts Shri. Anand Mali and Shri. Amit Mali presented ppt on how to protect our social media accounts, apps and security and privacy settings which keeps our mobile phone and electronic gadgets safe and hacking free. Shri. Nagesh Kadadevar CPI, Chikodi, also created awareness about cyber crimes among the students. Dr. B. G. Kulkarni, Principal of our college delivered presidential remarks by telling importance of awareness regarding cyber scams and frauds in this modern era.

Miss. Vidya Konganoli praposed vote of thanks and Miss. Poornima Bagi & Miss. Akshata Uchaganve compeered the program.



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Photos



Miss. Anuja Mhetri and Group began the program with Invocation song



Mr. Akash Mathapati welcoming the dignitaries to One Day Workshop on Cyber Crime



Miss. Laxmi Pujeri introducing the resource persons of the Workshop



Resource Person Shri. Sachinkumar Dasareddy ^{PST, Chikodi} explaining various forms of cyber crimes



Resource Person Shri. Ramesh Awaji *CPI, CEN Belagavi* **Speaking on Facebook scams with examples**



Cyber Experts Shri. Anand Mali and Shri. Amit Mali **presenting ppt on how to protect our social media accounts and apps from hackers**


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NATIONAL WORKSHOP ON IPR: PATENTS & DESIGN FILING

Report

ORGANIZED BY

Department of Political Science and
Mathematics in association with RGNIPM,
Govt. of India, Nagpur
Under NIPAM

Date: 09-08-2023

Slogan: Leran by Innovation

Made with VISME



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Ref No.: EST | BKCC | 2022-23 |

Date: 26 | 07 | 2023

To,

Head,

RGNIIPM,

Hislop College Road, Civil lines,
Nagpur, Maharashtra – 440001

Sub: Regarding one hour online workshop on IPR

Respected Sir/Madam,

In response to our earlier mail we are proposing the tentative dates for conducting one hour online workshop on IPR. We solicit your cooperation in this regard.

Tentative Dates	
1	09-08-2023
2	11-08-2023

Thanking you

Principal
26/7/23
Principal
PRINCIPAL

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Ref No.: BKCC| 2022-23,

Date: 09 | 08 | 2023

Internal Quality Assurance Cell (IQAC) Initiative

Department of Political Science and Mathematics

in association with

Rajiv Gandhi National Institute of Intellectual Property Management (RGNIPM),

Government of India, Nagpur

(Under National Intellectual Property Awareness Mission)

Online Workshop on

*Intellectual Property Rights (IPR):
Patents and Design Filing*

Wednesday, 9th August 2023

Time: 11.00AM

Plat Form: Cisco WebEx Meet

AGENDA

Welcome Address	Prof. Udyasingh Rajput Principal
Introduction of Resource Person	Dr. B. G. Kulkarni HOD of Political Science
Resource Person Session	Dr. Bharat N. Suryawanshi Assistant Controller of Patents and Designs, RGNIPM, Nagpur
Q/A Session	
Vote of Thanks	Dr. V.V. Manjalapur IQAC Coordinator
Compeering	Mr. Ajit Karigar Lecturer Department of English

Principal
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KLE Society's

**Basavaprabhu Kore Arts, Science and Commerce
College, Chikodi-591201**

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IQAC Initiative

Date: 09-08-2023

Time: 11.00am

Online Workshop on

Intellectual Property Rights (IPR): Patents and Design Filing



Resource Person

Dr. Bharat N. Suryawanshi
Assistant Controller of Patents and Designs,
RGNIPM, Nagpur

Summary

Overview:

The online workshop on Intellectual Property Rights(IPR): focusing on patents and design filing was conducted on **Wednesday, 09th August, 2023 at 11.00am** on the WebEx platform. The event aimed to provide comprehensive insights into the legal and procedural aspects of patent and design filing, fostering a better understanding of intellectual property protection.

The workshop was commenced with an welcome address by the Principal Prof U. R. Rajput. Dr. B. G. Kulkarni Head Department of Political Science introduced the resource person to all delegates.

Key Topics Covered:

Immediately after formal introduction, the Resource Person: **Dr. Bharat N. Suryavanshi**, (Assistant Controller of Patents and Designs, RGNIPM, Nagpur) presided the session with an overview of Intellectual Property Rights, emphasizing the significance of patents and design filing in safeguarding innovations and creative designs. Also, shared insights on design filing process and legal aspects and case studies of patent.





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Ref No.: BKCCJ 2022-23,

Date: 09 | 08 | 2023

Appreciation Letter

To,

Dr. Bharat N. Suryawanshi
Assistant Controller of Patents and Designs,
RGNIIPM, Nagpur

With all our due respect, we would like to thank you for sparing your valuable time and delivering an informative and thought provoking web talk as Resource Person on "*Intellectual Property Rights (IPR): Patents and Design Filing*" through WebEx Platform. All the participants appreciated and got enlightened from your views on the subject. We hope that our organizing team has fulfilled all your expectations during the live talk on 09th August 2023.

Thank you sir and we will be looking forward for your cooperation in future as well.

**Principal
PRINCIPAL**

KLE's Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI-591 201



Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
Office of the Controller General of Patents, Designs and Trade Marks

CERTIFICATE OF APPRECIATION

Presented to


**KLE SOCIETY'S, BASAVAPRABHU KORE ARTS,
SCIENCE AND COMMERCE COLLEGE, CHIKODI**

*In recognition of active participation in the **National Intellectual Property Awareness Mission (NIPAM)** launched by the Government of India on the occasion of the 75th anniversary of independence under the banner "Azadi Ka Amrit Mahotsav" to create widespread awareness on Intellectual Property Rights (IPR). The exceptional contribution in successfully organizing the awareness programme on **August 09, 2023** in association with **RGNIIPM, Nagpur** by providing your valuable time and support is highly appreciated.*

Solicit your continued support for outreach of IPR far and wide.

Date: August 11, 2023




(Prof. (Dr) Unnai P. Pandit)
CONTROLLER GENERAL OF
PATENTS, DESIGNS & TRADE MARKS

S. No.	Academy	Full Name/aka per social	Designation	Email Address	Department/Class	K.L.E. Society's Basecamp/Institution Name, Address and Contact Number	Number	WhatsApp	Place	State
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101	Ph.D.	BALAJI CHINPAIA PARI	Assistant Professor	balajipari1994@gmail.com	Education	SRM COLLEGE OF EDUCATION MADURAI		86882119		INDIAN	Karnataka
102	M.A.	Devika Bhatnagar Path	Student	devika1998@gmail.com	Education	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, CH		81728281		CHINESE	Karnataka
103	Dr.	BYJU MALLESU ANAND	Assistant Professor	anandbyju17@gmail.com	Department of English	Government First Degree College, Hingoli		90880131		INDIAN	Karnataka
104	M.A.	Meghana Krishna Hanu	Assistant Professor	meghanakrishna09@gmail.com	Classical Studies	Hingoli Mahavidyalaya Hingoli		90302115		INDIAN	Karnataka
105	M.A.	Rangana Mall	Assistant Professor	rangana09@gmail.com	English	Government Commerce College, Bagaloti		87881131		INDIAN	Karnataka
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112	M.A.	Neelima Sanyal Dasgupta	Student	neelimasanyaldasgupta@gmail.com	Bio.	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		90588681		Sanskrit	Karnataka
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116	M.A.	Uma V. Chandrasekar	Student	umachandrasekar@gmail.com	8th 1st year	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		91793423		CHINESE	Karnataka
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118	M.A.	Jyoti Kulkarni	Student	jyotikulkarni@gmail.com	8th	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		90588320		CHINESE	Karnataka
119	M.A.	Pavani Kulkarni	Student	pavnikulkarni@gmail.com	8th 1st year	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		94030210		CHINESE	Karnataka
120	M.A.	Savitri Kulkarni	Student	savitrikulkarni@gmail.com	8th 1st year	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		90278624		CHINESE	Karnataka
121	M.A.	Deepak S. Magdum	Student	deepakmagdum@gmail.com	8th 2nd semester	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		91071010		CHINESE	Karnataka
122	M.A.	SWATI SURESH HIRGOL	Student	swatishirgol@gmail.com	8th 1st year	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		90227187		CHINESE	Karnataka
123	M.A.	Smita S. Amte	Student	smitasmita@gmail.com	8th 1st semester	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		91152032		CHINESE	Karnataka
124	M.A.	Rama Rajuwar Nagaj	Student	ramarajuwar@gmail.com	Commerce	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		90048121		Sanskrit	Karnataka
125	M.A.	Sanku Kulkarni	Student	sankukulkarni@gmail.com	Commerce	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		90048121		INDIAN	Karnataka
126	M.A.	PRITHVIAKESH DASA	Student	prithvika@gmail.com	COMMERCE 2nd year	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		90362121		INDIAN	Karnataka
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128	M.A.	Tyagi Hanumanth	Student	tyagihanumanth@gmail.com	Commerce	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		74184714		INDIAN	Karnataka
129	M.A.	Sanku Kulkarni	Student	sankukulkarni@gmail.com	Commerce (Bank)	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		70484208		INDIAN	Karnataka
130	M.A.	Sanku Kulkarni	Student	sankukulkarni@gmail.com	Commerce (Bank)	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		70484208		INDIAN	Karnataka
131	M.A.	Swati Kulkarni	Student	swatikulkarni@gmail.com	8th 1st year	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		70484208		INDIAN	Karnataka
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133	M.A.	Jyoti Kulkarni	Student	jyotikulkarni@gmail.com	8th 1st year	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		70788284		CHINESE	Karnataka
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135	M.A.	S. Vignesh Babu Lakshmi	Lecturer	vignesh177@gmail.com	Political Science	S.K.R.S.O. CH		94181634		INDIAN	Karnataka
136	M.A.	Kiran Chakrabarti	Student	kiranchakrabarti@gmail.com	Commerce	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		91152032		INDIAN	Karnataka
137	M.A.	Shubham Lakshmi	Student	shubhamlakshmi04@gmail.com	8th 1st year	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		94028124		CHINESE	Karnataka
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139	M.A.	Swati Kulkarni	Student	swatikulkarni@gmail.com	8th 2nd year	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		90099139		INDIAN	Karnataka
140	Ph.D.	Swati Kulkarni	Student	swatikulkarni@gmail.com	8th 2nd year	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		74184714		CHINESE	Karnataka
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142	M.A.	Manasa H. Mangan	Student	manasahmangan@gmail.com	Commerce	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		90228440		CHINESE	Karnataka
143	M.A.	Manasa H. Mangan	Student	manasahmangan@gmail.com	Commerce	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		90228440		CHINESE	Karnataka
144	M.A.	Manasa H. Mangan	Student	manasahmangan@gmail.com	Commerce	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		90228440		CHINESE	Karnataka
145	M.A.	Manasa H. Mangan	Student	manasahmangan@gmail.com	Commerce	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		90228440		CHINESE	Karnataka
146	M.A.	Manasa H. Mangan	Student	manasahmangan@gmail.com	Commerce	U.L.E. Society's Designation: Min. Arts, Science and Commerce College, Chik		90228440		CHINESE	Karnataka
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160	M.A.	Aravind Lakshman	Lecturer	aravindlakshman@gnail.com	Journal of Mathematics	K.J.S. Society's Degree College Chikodi	79981712		Chikodi	Karnataka	
161	D.	Dr. Jayashree S. Srikumar	Assistant Professor	jayashrees@gnail.com	Law	K.J.S. Society's Law College Chikodi	79981710		Chikodi	Karnataka	
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164	M.A.	Nikhil Suresh Aravind	Student	nikhilsuresh1@gnail.com	2nd year	BK College Chikodi	901991016		Chikodi	Karnataka	
165	M.A.	Deepak Kuvempu Kuvempu	Student	deepak@gnail.com	1st year	B.K. College Chikodi	799979991		Chikodi	Karnataka	
166	M.A.	Prasanna Kuvempu Kuvempu	Student	prasanna@gnail.com	2nd year	K.J.S. Society's BK College Chikodi	909979991		Chikodi	Karnataka	
167	M.A.	Shruthi Suresh Aravind	Student	shruthisuresh1@gnail.com	2nd year	BK College Chikodi	901991016		Chikodi	Karnataka	
168	M.A.	Deepak Kuvempu Kuvempu	Student	deepak@gnail.com	1st year	B.K. College Chikodi	799979991		Chikodi	Karnataka	
169	M.A.	Shruthi Suresh Aravind	Student	shruthisuresh1@gnail.com	2nd year	B.K. College Chikodi	799979991		Chikodi	Karnataka	
170	D.	Dr. Aravind H. Mahi	Assistant Professor	aravindhm@gnail.com	Political Science	U.L.E. Society (Kannada) Kuvempu Kuvempu College Chikodi	909991016		Chikodi	Karnataka	
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181	M.A.	Aravind Kuvempu Kuvempu	Student	aravindhm@gnail.com	B.A. 1st yr	K.J.S. BK College Chikodi	901991016		Chikodi	Karnataka	
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185	M.A.	Aravind Kuvempu Kuvempu	Student	aravindhm@gnail.com	B.A. 1st yr	K.J.S. BK College Chikodi	901991016		Chikodi	Karnataka	
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191	M.A.	Aravind Kuvempu Kuvempu	Student	aravindhm@gnail.com	B.A. 1st yr	K.J.S. BK College Chikodi	901991016		Chikodi	Karnataka	
192	M.A.	Aravind Kuvempu Kuvempu	Student	aravindhm@gnail.com	B.A. 1st yr	K.J.S. BK College Chikodi	901991016		Chikodi	Karnataka	
193	M.A.	Aravind Kuvempu Kuvempu	Student	aravindhm@gnail.com	B.A. 1st yr	K.J.S. BK College Chikodi	901991016		Chikodi	Karnataka	
194	M.A.	Aravind Kuvempu Kuvempu	Student	aravindhm@gnail.com	B.A. 1st yr	K.J.S. BK College Chikodi	901991016		Chikodi	Karnataka	
195	M.A.	Aravind Kuvempu Kuvempu	Student	aravindhm@gnail.com	B.A. 1st yr	K.J.S. BK College Chikodi	901991016		Chikodi	Karnataka	
196	M.A.	Aravind Kuvempu Kuvempu	Student	aravindhm@gnail.com	B.A. 1st yr	K.J.S. BK College Chikodi	901991016		Chikodi	Karnataka	
197	M.A.	Aravind Kuvempu Kuvempu	Student	aravindhm@gnail.com	B.A. 1st yr	K.J.S. BK College Chikodi	901991016		Chikodi	Karnataka	
198	M.A.	Aravind Kuvempu Kuvempu	Student	aravindhm@gnail.com	B.A. 1st yr	K.J.S. BK College Chikodi	901991016		Chikodi	Karnataka	
199	M.A.	Aravind Kuvempu Kuvempu	Student	aravindhm@gnail.com	B.A. 1st yr	K.J.S. BK College Chikodi	901991016		Chikodi	Karnataka	
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201	M.A.	Aravind Kuvempu Kuvempu	Student	aravindhm@gnail.com	B.A. 1st yr	K.J.S. BK College Chikodi	901991016		Chikodi	Karnataka	
202	M.A.	Aravind Kuvempu Kuvempu	Student	aravindhm@gnail.com	B.A. 1st yr	K.J.S. BK College Chikodi	901991016		Chikodi	Karnataka	
203	M.A.	Aravind Kuvempu Kuvempu	Student	aravindhm@gnail.com	B.A. 1st yr	K.J.S. BK College Chikodi	901991016		Chikodi	Karnataka	
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309	MBA	Dharmendra Shrikant Patil	Student	dharmendra1994@gmail.com	B.T.	10	18/2020/AN/P/18/2020/1/Commerce and K.L.S. Society College	90202020		Other	Karnataka
310	MBA	Swamy S.Patil	Student	swamysp17@gmail.com	Commerce	10	K.L.S. College Chikol	90202020		Other	Karnataka
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315	MBA	Uma Ram Talagudi	Student	umaramtalagudi@gmail.com	BC/20	10	Karnataka Society's K.L.S. College Chikol	91081020		Other	Karnataka
316	MBA	Surya A Aravamudan	Student	suryaarama@gmail.com	Commerce	10	K.L.S. College Chikol	90073116		Other	Karnataka
317	MBA	SHRANVI KATTANAR	Student	shravanikattana@gmail.com	BSC	10	K.L.S. COLLEGE CHIKOL	70942106		Other	Karnataka
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335	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	B.T. 2nd year	10	Karnataka Society's K.L.S. College Chikol	70000000		Other	Karnataka
336	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	B.T. 2nd year	10	Karnataka Society's K.L.S. College Chikol	70000000		Other	Karnataka
337	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	B.T. 2nd year	10	Karnataka Society's K.L.S. College Chikol	70000000		Other	Karnataka
338	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	B.T. 2nd year	10	Karnataka Society's K.L.S. College Chikol	70000000		Other	Karnataka
339	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	B.T. 2nd year	10	Karnataka Society's K.L.S. College Chikol	70000000		Other	Karnataka
340	Ph.D.	Abhinav Shrinivasan	Associate Professor	abhinavshrinivasan@gmail.com	Department of Chemistry	10	K.L.S. Society's K.L.S. College Chikol	90000000		Other	Karnataka
341	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	None	10	K.L.S. SOCIETY'S K.L.S. LAHARIGUDA COLLEGE INSTITUTY AASTHANA	90124020		Other	Karnataka
342	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	None	10	K.L.S. SOCIETY'S K.L.S. LAHARIGUDA COLLEGE INSTITUTY AASTHANA	90124020		Other	Karnataka
343	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	None	10	K.L.S. SOCIETY'S K.L.S. LAHARIGUDA COLLEGE INSTITUTY AASTHANA	90124020		Other	Karnataka
344	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	None	10	K.L.S. SOCIETY'S K.L.S. LAHARIGUDA COLLEGE INSTITUTY AASTHANA	90124020		Other	Karnataka
345	Ph.D.	S.H. Sankaranarayanan	Associate Professor	sankaranarayanan@gmail.com	Department of Physics	10	K.L.S. SOCIETY'S K.L.S. LAHARIGUDA COLLEGE INSTITUTY AASTHANA	90124020		Other	Karnataka
346	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	None	10	K.L.S. SOCIETY'S K.L.S. LAHARIGUDA COLLEGE INSTITUTY AASTHANA	90124020		Other	Karnataka
347	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	None	10	K.L.S. SOCIETY'S K.L.S. LAHARIGUDA COLLEGE INSTITUTY AASTHANA	90124020		Other	Karnataka
348	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	None	10	K.L.S. SOCIETY'S K.L.S. LAHARIGUDA COLLEGE INSTITUTY AASTHANA	90124020		Other	Karnataka
349	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	None	10	K.L.S. SOCIETY'S K.L.S. LAHARIGUDA COLLEGE INSTITUTY AASTHANA	90124020		Other	Karnataka
350	Ph.D.	S.H. Sankaranarayanan	Associate Professor	sankaranarayanan@gmail.com	Physics	10	K.L.S. SOCIETY'S K.L.S. LAHARIGUDA COLLEGE INSTITUTY AASTHANA	90124020		Other	Karnataka
351	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	B. Com. 1st	10	K.L.S. College Chikol	90100000		Other	Karnataka
352	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	B.A. 1st	10	K.L.S. College Chikol	90100000		Other	Karnataka
353	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	B.Sc.	10	K.L.S. College Chikol	90100000		Other	Karnataka
354	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	Mathematics	10	K.L.S. Society's K.L.S. College Chikol	90100000		Other	Karnataka
355	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	None	10	K.L.S. College Chikol	90100000		Other	Karnataka
356	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	None	10	K.L.S. College Chikol	90100000		Other	Karnataka
357	MBA	Manjusha Thyagaraj Bhat	Student	manjushabhat@gmail.com	B.Sc. 2nd sem	10	K.L.S. Society's K.L.S. College Chikol	90100000		Other	Karnataka



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Department of Physics

05/08/2023

05/8/2023

Title of the Programme	Workshop on Research Methodology on "Chemical and Physical Properties of Nano Materials"
Time and Date	02.30 pm on 3 rd August, 2023
Resource person	Shri. Kartik Iyer Department of Condensed Matter Physics & Materials Science Tata Institute of Fundamental Research, Mumbai.
Place	Department of Physics (Sabha Bhavan)
No. of Beneficiaries	152 students and 15 faculties
Objectives	<ol style="list-style-type: none">1. To inculcate the research interest2. Research as a Career3. Research opportunities in India and Abroad4. How to crack National Exams and its importance
Summary of the Proceedings	Dr Shidaling Matteppanavar, introduced the chief guest and explained the importance of research during UG level. Kartik Iyer gave talk on the theme, along with it explained to the student's Basic research and importance in applications. Shri B N Havaraddi did the presidential remarks. Dr Ramanna R did the vote of thanks.
Outcome of the Program	<ol style="list-style-type: none">1. Students were extremely happy and discussing with the speaker2. Students gained lot of knowledge about research3. Students gained the knowledge about Nano materials and its applications.4. Students gained skills of writing exams like National level tests etc.


HOD

Head of the
Department of Physics
B. K. College, CHIKODI


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Workshop inauguration and guest interaction




Students interaction and group photo


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Department of Physics


Research Methodology

Topic: Chemical and Physical Properties of Nano Materials





Shri. Kartik Iyer
 Scientific Officer
 Department of Condensed Matter Physics & Materials Science
 Tata Institute of Fundamental Research, Mumbai.



Dr. Shivaling Muttigani
 Coordinator

Prof. B. N. Mavradil
 HOD

Dr. V. V. Marjaleppu
 IQAC Coordinator

Prof. U. R. Rajur
 Professor

All the students and faculties are cordially invited. Venue: Sahasrabhavan. Date: 01/06/2021 Time: 2.30 pm



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DEPARTMENT OF PHYSICS

Notice

On the eve of *World Environmental Day 2023* on 5th June, an **Essay Writing competition** is arranged in association with Karnataka State Pollution Control Board (Government of Karnataka) Chikodi on 3rd June 2023 at 10.30 am in Hall no 13, 5 prizes for best essays by rewarded by **Karnataka State Pollution Control Board (Government of Karnataka) Chikodi** on 5th June 2023.

All BA, BSc and BCom students are informed to attend.

Essay title: **Beat Plastic Pollution – Solution to Plastic Polluting**

Language: Kannada or English

Time: 1 Hour

Size of Essay: 2 A4 pages (Front and Back)

Venue: Hall No 13

Dr. S. Matheppanavar

9480406917

Principal
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REPORT

- ❖ Name of the Programme: Awareness Programme on 'PROTECT YOUR EYE FROM GETTING AND SPREADING CONJUNCTIVITIS'
- ❖ Date : 14/08/2023
- ❖ Place : 50 Areas of Chikodi
- ❖ Number of Participants : 14
- ❖ Objectives
 - Awareness on the spread of conjunctivitis
 - Protection and prevention of conjunctivitis



❖ Programme

Conjunctivitis commonly known as "pink eye, is an infection or swelling in your conjunctiva, which is a thin, transparent membrane that lies over the inner surface of the eyelid and covers the white part of your eye. We observed that the most of the part of Chikodi in this monsoon was suffering from conjunctivitis including student community. Considering it as a social responsibility, Dept of Zoology took an initiative to create awareness amongst public on Conjunctivitis. In connection with this, posters were prepared by department covering definition, causative agents, symptoms, treatment, prevention and protection against pink eye. Students of B.Sc II, IV and VI semester under the guidance of Dr. S. I. Puranik distributed these posters in 32 different places of chikodi like College campus, college bustand, Budh nagar, Ambedka Nagar, Indira nagar, Kore nagar, City bustand, Kerur, Kadapur, RD college campus etc.

❖ Beneficiaries: Public of Chikodi Taluk

❖ Outcome

- Protection against conjunctivitis
- Preventive measures to be followed against pink eye infection
- Controls spreading of conjunctivitis

❖ Glimpse of the event where posters are exhibited



College Bus stand



Chikodi, Karnataka, India
 CHIKODI-JAFI, Indira Nagar, Chikodi, Karnataka 591201, India
 Lat 16.423758°
 Long 74.662679°

Indira Nagar



City Bus stand



Budh Nagar



Kerur, Karnataka, India
 467, Kerur-Kadapur Road, Kerur, Karnataka 591213, India
 Lat 16.456336°
 Long 74.647641°
 15/08/23 10:28 AM GMT +05:30

Kerur



Kadapur, Karnataka, India
 FMWS-406, Kadapur, Karnataka 591247, India
 Lat 16.48536°
 Long 74.657868°
 15/08/23 12:11 PM GMT +05:30

Kadapur


HEAD
DEPARTMENT OF ZOOLOGY


 IQAO Coordinator,
 KLE's Basavaprabhu Kore
 Arts, Science and Commerce College,
 Chikodi - 591 201

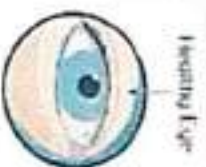

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PROTECT YOUR EYE FROM GETTING AND SPREADING CONJUNCTIVITIS

What it is?

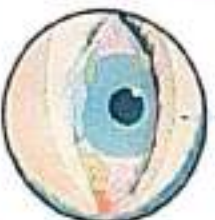
Conjunctivitis commonly known as "pink eye," is an infection or swelling in your conjunctiva, which is a thin, transparent membrane that lies over the inner surface of the eyelid and covers the white part of your eye.



Healthy Eye

WHAT ARE THE SYMPTOMS?

- Pink or red-toned eyes
- A gritty feeling in your eyes
- Watery or thick discharge that builds up on your eyes at night
- Eyelid swelling
- Itchiness in your eyes
- Abnormal amount of tears



Infected Eye

IT IS CAUSED BY

- Viruses or Bacteria which are contagious
- Allergens like pollen
- Irritants like dust

HOW CAN I PROTECT MYSELF?

- Avoid touching your eyes with unwashed hands whenever possible



PREVENT TRANSMISSION

- Wash your hands regularly
- Avoid sharing towels or washcloths
- Change your towel and washcloth daily
- Replace eye cosmetics after your infection clears
- Follow your healthcare professional's advice on contact lens care
- Take any medication your doctor has given you as prescribed

- Wash your hands often and thoroughly with soap and water

- Only use clean tissues and towels to wipe your face and eyes

- Try not to share cosmetics, especially eyeliner or mascara, with others

- Wash pillowcases frequently





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Department of Zoology

Student Participation list

Following students of B. Sc II and IV Semester participated in awareness programme organized by Department of Zoology on 'Protect Your Eye Getting and Spreading Conjunctivitis' on 15.08.2023.

Sl. No.	R. No	Name of the Student	Signature
01	10	Devaki . S. Mugalakhod	
02	11	Diya . J. Manjekar	
03	55	Mahantesh G. Devanigal	
04	65	Nagesh . A. Kagawade	
05	17	Laxmi . B. Sanadi	
06	34	Samiya . S. Jamadar	
07	76	Sourbhya T. Lokare	
08	47	Srushti . A. Meghannavar	
09	50	Supriya . N. Bane	
10	16	Kiran . Kambale	
11	14	Juraph . S. Makanday	
12	36	Santosh . R. Waghmare	
13	73	Poonam B Malage	
14	51	Madha . M. Mulla.	

HEAD
DEPARTMENT OF ZOOLOGY

IQAC Coordinator
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