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**ಶ್ರೀ ಚನ್ನಗಿರಿಶ್ವರ ಪ್ರಾಸಾದಿಕ ಕಲಾ, ವಿಜ್ಞಾನ ಹಾಗೂ ದು. ದಾ. ಶಿರೋಲ ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ,**



(ತಾ. ಮುಧೋಳ) **ಮಹಾಲಿಂಗಪುರ - 587 312.** (ಜಿ. ಬಾಗಲಕೋಟೆ)

( ನ್ಯಾಕನಿಂದ ಪುರು ಮಾನ್ಯತೆ 'B++2.81' CGPA )

KLE Society's

**SHRI CHANNAGIRISHWAR PRASADIK ARTS, SCIENCE AND D.D. SHIROL COMMERCE COLLEGE,**

Tq : Mudhol

**MAHALINGPUR - 587 312.**

Dist : Bagalkot

( NAAC Re-accredited 'B++' 2.81 CGPA )

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ದಿನಾಂಕ : 16/03/2022

2020

Program name	Name of the Course that include experiential learning through project work/field work/internship	Number of the student studied course on experiential learning through project work/field work/internship
M.Com	Project Work	14
B.sc - Botany	Taxonomy at Chikkamagaluru	25
B.sc - Chemistry	Extraction of Caffeine From Tea Leaves & Preparation of Sandal Soap From Sandal Wood Oil	39
B.sc - Zoology	Fishries Research and Information Center Bhutanal, Vijayapur	22
B.sc - Botany	Biotechnology and Genetic Engineering of Plants In KRC Horticulture College, Arabhavi	23



**GRADE-1 PRINCIPAL**  
K. L. E. Society's  
S. C. P. Arts, Science & D. D. S. Commerce College  
MAHALINGPUR-587312, Dist



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**KLE's S.C.P. ARTS, SCIENCE & D.D.S. COMMERCE  
COLLEGE & PG STUDIES IN COMMERCE  
MAHALINGAPUR.**

(Re-Accredited by NAAC at "B++" with 2.81 CGPA)

**Affiliated to Rani Channamma University, Belagavi**

**A PROJECT REPORT ON**

**"WORKING CAPITAL MANAGEMENT – GHATAPRABHA  
FERTILIZERS PRIVATE LIMITED NANDIKURALI"**

**Submitted in partial fulfillment for the award of Master of Commerce**

**Under the Guidance of**

**Prof. C. S. Chopade**

**Faculty, PG Department of Commerce**

**KLE's SCP College, Mahalingpur**

**Submitted by**

**Mr. Abhishek B. Patravale**

**M.Com 4<sup>th</sup> Sem**

**Reg. No- MC186001**

**Submitted to**

**DEPARTMENT OF PG STUDIES IN COMMERCE**

**RANI CHANNAMMA UNIVERSITY, BELAGAVI**



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**PG Department of Studies in Commerce**



**Certificate**

This is to certify that Mr. **Abhishek B. Patravale** has worked and completed his Project Work for the degree of Master of Commerce on project entitled "WORKING CAPITAL MANAGEMENT-GHATAPRABHA FERTILIZERS PRIVATE LIMITED NANDIKURALI".

Project Guide

Prof. C. S. Chopade

Co-ordinator

Prof. S. M. Bannur

Grade I Principal

Dr. B. M. Patil  
GRADE-I PRINCIPAL  
K.L.E.Society's

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Affiliated to Rani Channamma University, Belagavi

**A PROJECT REPORT ON**

**"A STUDY ON CREDIT RISK MANAGEMENT WITH  
SPECIAL REFERENCE TO KARNATAKA BANK LTD,  
MAHALINGPUR."**

**Submitted in partial fulfillment for the award of Master of Commerce**

**Under the Guidance of  
Prof. Laxman Hirekodi  
Faculty, PG Department of Commerce  
KLE's SCP College, Mahalingpur**

**Submitted by  
Miss. Ashwini V. Patil  
M.Com 4<sup>th</sup> Sem  
Reg. No- MC186002**

**Submitted to  
DEPARTMENT OF PG STUDIES IN COMMERCE  
RANI CHANNAMMA UNIVERSITY, BELAGAVI**



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MAHALINGPUR.**

**PG Department of Studies in Commerce**



**Certificate**

This is to certify that Miss. **Ashwini V. Patil** has worked and completed her Project Work for the degree of Master of Commerce on project entitled "A STUDY ON CREDIT RISK MANAGEMENT WITH SPECIAL REFERENCE TO KARNATAKA BANK LTD MAHALINGAPUR."

  
Project Guide

Prof. Laxman Hirekodi

  
Co-ordinator

Prof. S. M. Bannur

  
Grade I Principal

Dr. B. M. Patil  
GRADE-I PRINCIPAL  
K.L.E.Society's  
S.C.P.Arts & D.D.S.Commerce College  
Mahalingpur 587312 Dist.Bagalkot





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MAHALINGAPUR**

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Affiliated to Rani Channamma University, Belagavi

**A PROJECT REPORT ON**

**"A STUDY ON COST AND BENEFIT ANALYSIS OF  
SUGAR INDUSTRY WITH SPECIAL REFERENCE TO  
NIRANI SUGAR'S MUDHOL"**

Submitted in partial fulfillment for the award of Master of Commerce

**Under the Guidance of  
Prof. V. B. Kabara  
Faculty, PG Department of Commerce  
KLE's SCP College, Mahalingpur**

**Submitted by  
Miss. Geeta Y. Patil.  
M.Com 4<sup>th</sup> Sem  
Reg. No- MC186003**

**Submitted to  
DEPARTMENT OF PG STUDIES IN COMMERCE  
RANI CHANNAMMA UNIVERSITY, BELAGAVI**



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MAHALINGPUR.**

**PG Department of Studies in Commerce**



**Certificate**

This is to certify that Miss. **Geeta. Y. Patil** has worked and completed her Project Work for the degree of Master of Commerce on project entitled "A STUDY ON COST AND BENEFIT ANALYSIS OF SUGAR INDUSTRY WITH SPECIAL REFERENCE TO NIRANI SUGAR'S MUDHOL."

  
Project Guide

Prof. V. B. Kabara

  
Co-ordinator

Prof. S. M. Bannur

  
Grade I Principal

Dr. B. M. Patil  
GRADE-I PRINCIPAL  
K.L.E.Society's  
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Mahalingpur 587312 Dist.Bagalkot





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COLLEGE & PG STUDIES IN COMMERCE  
MAHALINGAPUR.**

(Re-Accredited by NAAC at "B++" with 2.81 CGPA)

**Affiliated to Rani Channamma University, Belagavi**

**A PROJECT REPORT ON**

**"EFFECT OF ONLINE SHOPPING ON RURAL AND SEMI URBAN  
AREAS. A CASE STUDY AT BELAGVI DISTRICT"**

**Submitted in partial fulfillment for the award of Master of Commerce**

**Under the guidance of**

**Shri. C.S.CHOPADE**

Faculty, PG Department of Commerce

KLE's SCP College, Mahalingpur

**Submitted by**

**Miss. Gourawwa S. Puthani**

M.Com 4<sup>th</sup> Sem

**Reg. No- MC186004**

**Submitted to**

**DEPARTMENT OF PG STUDIES IN COMMERCE**

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COLLEGE & PG STUDIES IN COMMERCE  
MAHALINGPUR.**

**PG Department of Studies in Commerce**



**Certificate**

This is to certify that **Miss. Gourawwa S. Puthani** has worked and completed her Project Work for the degree of **Master in Commerce** on project entitled "effect of online shopping on rural and semi urban areas." A case study at Belagavi district."

  
**Shri. S. S. Chopade**  
**Project Guide**

  
**Dr. B. M. Patil**

**Principal**  
**GRADE-1 PRINCIPAL**  
**K.L.E. Society's**  
**S.C.P.Arts & D.D.S:Commerce College**  
Star Mahalingpur-587312 Dist. Bagalkot date



Date of submission



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(Re-Accredited by NAAC at "B++" with 2.81 CGPA)

**Affiliated to Rani Channamma University, Belagavi**

**A PROJECT REPORT ON**

**"A STUDY ON CONSUMER PERCEPTION TOWARDS  
LIFE INSURANCE POLICIES IN BAGALKOT DISTRICT"**

**Submitted in partial fulfillment for the award of Master of Commerce**

**Under the Guidance of**

**Prof. C. S. Chopade**

**Faculty, PG Department of Commerce**

**KLE's SCP College, Mahalingpur**

**Submitted by**

**Miss. Kavya M.Kumbar**

**M.Com 4<sup>th</sup> SEM**

**Reg. No- MC186005**

**Submitted to**

**DEPARTMENT OF PG STUDIES IN COMMERCE**

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MAHALINGPUR.**

**PG Department of Studies in Commerce**



**Certificate**

This is to certify that **Miss.Kavya.M.Kumbar** has worked and completed her Project Work for the degree of **Master of Commerce** on project entitled "A STUDY ON CONSUMER PERCEPTION TOWARDS LIFE INSURANCE POLICIES IN BAGALKOT DISTR."

  
**Project Guide**

**Prof. C. S. Chopade**

  
**Co-ordinator**

**Prof. S. M Bannur**

  
**Grade-I Principal**

**Dr. B. M. Patil  
GRADE-1 PRINCIPAL  
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**Affiliated to Rani Channamma University, Belagavi**

**A PROJECT REPORT ON**

**"A COMPARATIVE STUDY OF PATANJALI PRODUCTS WITH  
OTHER FMCG PRODUCTS AT THE BAGALAKOT DISTRICT."**

**Submitted in partial fulfillment for the award of Master of Commerce**

**Under the Guidance of**

**Prof. Laxman Hirekodi**

**Faculty, PG Department of Commerce**

**KLE's SCP College, Mahalingpur**

**Submitted by**

**Miss. Laxmi. M. Sheelavant**

**M.Com 4<sup>th</sup> Sem**

**Reg. No- MC186006**

**Submitted to**

**DEPARTMENT OF PG STUDIES IN COMMERCE**

**RANI CHANNAMMA UNIVERSITY, BELAGAVI**



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COLLEGE & PG STUDIES IN COMMERCE  
MAHALINGPUR.**

**PG Department of Studies in Commerce**



**Certificate**

This is to certify that Miss. **Laxmi M. Sheelavant** has worked and completed her Project Work for the degree of Master of Commerce on project entitled "A COMPARATIVE STUDY OF PATANJALI PRODUCTS WITH OTHER FMCG PRODUCTS AT THE BAGALAKOT DISTRICT."

**Project Guide**

**Prof. Laxman Hirekodi**

**Co-ordinator**

**Prof. S. M. Bannur**

**Grade I Principal**

**Dr. B. M. Patil**

**GRADE:1 PRINCIPAL**

**K.L.E.Society's**

**S.C.P.Arts & D.D.S.Commerce College**

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**Affiliated to Rani Channamma University, Belagavi**

**A PROJECT REPORT ON**

**"A STUDY ON LABOUR WELFARE AND JOB  
SATISFACTION IN COTTON TEXTILE INDUSTRY –  
A CASE STUDY AT RABAKAVI – BANAHATTI TALUKA."**

**Submitted in partial fulfillment for the award of Master of Commerce**

**Under the Guidance of**

**Prof. V.B. Kabara**

**Faculty, PG Department of Commerce**

**KLE's SCP College, Mahalingpur**

**Submitted by**

**Miss. Madhuri Ajit Banijawad**

**M.Com 4<sup>th</sup> Sem**

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COMMERCE MAHALINGAPUR.**

(Re-Accredited by NAAC at "B++" with 2.81 CGPA)

Affiliated to Rani Channamma University, Belagavi

**A PROJECT REPORT ON  
"RISK AND RETURN ANALYSIS OF EQUITY."**

Submitted in partial fulfillment for the award of Master of Commerce

**Under the Guidance of  
Prof. V.B.KABARA  
Faculty,  
PG Department of Commerce  
KLE's SCP College, Mahalingpur**

**Submitted by  
Mr.Mahaling Dharigoudra  
M.Com 4<sup>th</sup> Sem  
Reg. No- MC186008**

**Submitted to  
DEPARTMENT OF PG STUDIES IN COMMERCE  
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MAHALINGPUR.**

**PG Department of Studies in Commerce**



**Certificate**

This is to certify that **Mr. Mahaling Dharigoudra** has worked and completed her Project Work for the degree of Master of Commerce on project entitled "RISK AND RETURN ANALYSIS OF EQUITY".

  
Project Guide

Prof. V B Kabara

  
Co-ordinator

Prof. S M Bannur

  
Grade I Principal

Dr. B. M. Patil  
GRADE-1 PRINCIPAL  
K.L.E.Society's  
S.C.P.Arts & D.D.S.Commerce College  
Mahalingpur 587312 Dist.Bagalkot







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COLLEGE & PG STUDIES IN COMMERCE  
MAHALINGAPUR.**

(Re-Accredited by NAAC at "B++" with 2.81 CGPA)

Affiliated to Rani Channamma University, Belagavi

**A PROJECT REPORT ON  
"A COMPARATIVE STUDY ON QUALITY SERVICE  
PROVIDED BY NATIONALIZED AND PRIVATE SECTOR  
BANKS IN RABKAVI-BANAHATTI TALUKA."**

Submitted in partial fulfillment for the award of Master of Commerce

**Under the Guidance of**

**Prof. Laxman Hirekodi**

**Faculty, PG Department of Commerce**

**KLE's SCP College, Mahalingpur**

**Submitted by**

**Miss. Meghana A. Banajawad**

**M.Com 4<sup>th</sup> Sem**

**Reg. No- MC186009**

**Submitted to**

**DEPARTMENT OF PG STUDIES IN COMMERCE**

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COLLEGE & PG STUDIES IN COMMERCE  
MAHALINGPUR.**

**PG Department of Studies in Commerce**



**Certificate**

This is to certify that **Miss. Meghana A. Banajawad** has worked and completed her Project Work for the degree of **Master of Commerce** on project entitled **"A COMPARATIVE STUDY ON QUALITY SERVICE PROVIDED BY NATIONALIZED AND PRIVATE SECTOR BANKS IN RABKAVI-BANAHATTI TALUKA."**

**Project Guide**

**Prof. Laxman Hirekodi**

**Co-ordinator**

**Prof. S M. Bannur**

**Grade I Principal**

**Dr. B. M. Patil**

**GRADE-I PRINCIPAL**

**K.L.E.Society's**

**S.C.P.Arts & D.D.S.Commerce College**

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**A PROJECT REPORT ON  
KLE's S.C.P. ARTS, SCIENCE & D.D.S. COMMERCE  
COLLEGE & PG STUDIES IN COMMERCE  
MAHALINGAPUR.**

(Re-Accredited by NAAC at "B++" with 2.81 CGPA)

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**A PROJECT REPORT ON  
"AN ORGANIZATIONAL STUDY"  
OF GODAVARI BIO-REFINERIES LTD, SAMEERWADI  
TAL: MUDHOL, DIST: BAGALKOT**

Submitted in partial fulfillment for the award of Master of Commerce

**Under the Guidance of  
Prof. V. B. Kabara  
Faculty, PG Department of Commerce**

**Submitted by  
Miss. Nikita B. Nalawade  
M.Com 4<sup>th</sup> Semester  
MC186010**

**Submitted to**

**DEPARTMENT OF PG STUDIES OF COMMERCE  
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**PG Department of Studies in Commerce**



**CERTIFICATE**

This is to certify that Miss. **Nikita B. Nalawade** has worked and completed her Project Work for the degree of Master of Commerce on project entitled "An Organizational Study of Godavari Bio- Refineries Ltd, Sameerwadi."

  
PROJECT GUIDE

Prof. V. B. KABARA

  
CO-ORIDINATOR

Prof. S. M. BANNUR

  
GRADE-I PRINCIPAL

DR. B. M. PATIL  
GRADE-I PRINCIPAL  
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(Re-Accredited by NAAC at "B++" with 2.81 CGPA)

**Affiliated to Rani Channamma University, Belagavi**

**A PROJECT REPORT ON  
"AWARENESS AND USAGE OF DIGITAL OR E-WALLET  
FACILITIES. A CASE STUDY AT BELAGAVI DISTRICT."**

**Submitted in partial fulfillment for the award of Master of Commerce**

**Under the guidance of**

**Shri. C. S. CHOPADE**

Faculty, PG department of Commerce

KLE's SCP College, Mahalingpur

**Submitted by**

**Miss. Pooja P. Shaha**

**M.Com 4<sup>th</sup> Sem**

**Reg. No- MC186012**

**Submitted to**

**DEPARTMENT OF PG STUDIES IN COMMERCE**

**RANI CHANNAMMA UNIVERSITY, BELAGAVI**



**2020**

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MAHALINGPUR.**

**PG Department of Studies in Commerce**



**Certificate**

This is to certify that **Miss. Pooja P. Shaha** has worked and completed her Project Work for the degree of **Master in Commerce** on project entitled "**Awareness and usage of digital or e-wallet facilities. A case study at Belagavi district.**"

**Shri. C. S. Chopade**

**Project Guide**

**Dr. B. M. Patil**

**Principal**

**GRADE-1 PRINCIPAL**

**K.L.E.Society's**

**S.C.P.Arts & D.D.S.Commerce College**

**Stamp of the Institute with date  
Mahalingpur 587312 Dist.Bagalakot**

Date of submission





**RANI CHANNAMMA UNIVERSITY  
BELAGAVI**



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COLLEGE & PG STUDIES IN COMMERCE  
MAHALINGAPUR.**

**((Re-Accredited by NAAC at "B++" with 2.81 CGPA)**

**Affiliated to Rani Channamma University, Belagavi**

**A PROJECT REPORT ON**

**" ANALYSIS OF LOANS AND ADVANCES AT THE  
MAHALINGAPUR URBAN CO-OPERATIVE BANK  
LTD., MAHALINGAPUR**

**Submitted in partial fulfillment for the award of Master of Commerce**

**Under the guidance of**

**Prof. Laxman Hirekodi**

**Faculty, PG department of Commerce**

**KLE's SCP College, Mahalingapur.**

**Submitted by**

**Miss. Raveena K. Jeeragal**

**M.Com 4<sup>th</sup> Sem**

**Reg.No. MC186013**

**Year 2020**

**Submitted to**

**DEPARTMENT OF PG STUDIES IN COMMERCE  
RANI CHANNAMMA UNIVERSITY, BELAGAVI**



**KLE's S.C.P. ARTS, SCIENCE & D.D.S. COMMERCE  
COLLEGE & PG STUDIES IN COMMERCE  
MAHALINGAPUR.**

**PG Department of Studies in Commerce**



**Certificate**

This is to certify that **Miss. Raveena K. Jeeragal** has worked and completed her Project Work for the degree of Master of Commerce on project entitled "Analysis of Loans and Advances at the Mahalingapur Urban Co-Operative Bank Ltd., Mahalingapur".

**Prof. Laxman Hirekodi  
Project Guide**

**Dr. B. M. Patil  
Principal**

Stamp of the Institute with date  
**GRADE-1 PRINCIPAL**  
K.L.E.Society's  
S.C.P.Arts & D.D.S.Commerce College  
Mahalingpur 587312 Dist.Bagalkot

**Date of Submission**







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MAHALINGAPUR.**

(Re-Accredited by NAAC at "B++" with 2.81 CGPA)

**Affiliated to Rani Channamma University, Belagavi**

**A PROJECT REPORT ON**

**"A STUDY ON ANALYSIS AND INTERPRETATION OF  
FINANCIAL STATEMENT OF THE BANAHATTI  
CO-OPERATIVE SPINNING MILL LTD."**

**Submitted in partial fulfillment for the award of Master of Commerce**

**Under the Guidance of**

**Prof. V. B. Kabara**

**Faculty, PG Department of Commerce**

**KLE's SCP College, Mahalingpur**

**Submitted by**

**Miss. Sneha I. Ganamukhi**

**M.Com 4<sup>th</sup> Sem**

**Reg. No- MC186015**

**Submitted to**

**DEPARTMENT OF PG STUDIES IN COMMERCE  
RANI CHANNAMMA UNIVERSITY, BELAGAVI**



**2020**

**KLE's S.C.P. ARTS, SCIENCE & D.D.S.COMMERCE  
COLLEGE & PG STUDIES IN COMMERCE  
MAHALINGPUR.**

**PG Department of Studies in Commerce**



**Certificate**

This is to certify that **Miss.Sneha.I.Ganamukhi** has worked and completed her Project Work for the degree of Master of Commerce on project entitled "A STUDY ON ANALYSIS AND INTERPRETATION OF FINANCIAL STATEMENT OF "THE BANHATTI CO-OPERATIVE SPINNING MILL LTD."

  
Project Guide

Prof. V. B. Kabara

  
Co-Ordinator

Prof. S. M. Bannur

  
Grade-I Principal

Dr. B. M. Patil  
GRADE:1 PRINCIPAL  
K.L.E.Society's  
S.C.P.Arts & D.D.S.Commerce College  
Mahalingpur 587312 Dist.Bagalkot





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COLLEGE & PG STUDIES IN COMMERCE  
MAHALINGAPUR.**

(Re-Accredited by NAAC at "B++" with 2.81 CGPA)

Affiliated to Rani Channamma University, Belagavi

**A PROJECT REPORT ON  
"A STUDY OF CONSUMER BEHAVIOR IN SELECTION  
OF ELECTRONIC PRODUCTS AND HOME APPLIANCES."**

Submitted in partial fulfillment for the award of Master of Commerce

**Under the Guidance of  
Prof. Laxman Hirekodi  
Faculty, PG Department of Commerce  
KLE's SCP College, Mahalingpur**

**Submitted by  
Miss. Sudharani S. Neelannavar  
M.Com 4<sup>th</sup> Sem  
Reg. No- MC186016**

**Submitted to  
DEPARTMENT OF PG STUDIES IN COMMERCE  
RANI CHANNAMMA UNIVERSITY, BELAGAVI**



**2020**

**KLE's S.C.P. ARTS, SCIENCE & D.D.S.COMMERCE  
COLLEGE & PG STUDIES IN COMMERCE  
MAHALINGPUR.**

**PG Department of Studies in Commerce**



**Certificate**

This is to certify that **Miss.Sudharani.S.Neelannavar** has worked and completed her Project Work for the degree of Master of Commerce on project entitled "A STUDY OF CONSUMER BEHAVIOR IN SELECTION OF ELECTRONIC PRODUCTS AND HOME APPLIANCES."

**Project Guide**

**Prof. Laxman Hirekodi**

**Co-ordinator**

**Prof. S. M. Bannur**

**Grade I Principal**

**Dr. B. M. Patil  
GRADE-I PRINCIPAL  
K.L.E.Society's**

**S.C.P.Arts & D.D.S.Commerce College  
Mahalingpur 587312 Dist.Bagalkot**



From,

Department of Botany

To,

The Principal

KLE's Degree College

Mahalingpur

Subject: Regarding permission for industrial visit

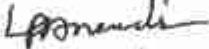
Respected Sir,

As mentioned above subject, we B.Sc IV Sem Students with teachers are going to field visit to Chikmagalur to study Taxonomy on 21/01/2020 to 23/01/2020. So Kindly give permission us to visit.

Below are the enclosed list of students & Lectures


Thank you

Yours Faithfully

1 Miss. L.P Angadi 

2 Miss. S S Kodaganur 



  
GRADE-1 PRINCIPAL  
K.L.E. Society's  
S.C.P. Arts, Science & P.D.S. Commerce College  
MAHALINGPUR-587312. Dist. Bagalkot

## FACULTY

Sl. No	Faculty Name
1	Miss. L.P.Angadi
2	Miss. S.S. Kodaganur

## Student list

Sl. No	Name of Students
1	Ms. Aishwarya Uttur
2	Ms. Sumalata Kallur
3	Ms. Aayasha Kazi
4	Ms. Bhagyashri Hubballi
5	Ms. Bhuvaneshwari Hawaldar
6	Ms. Gangavva Davaleshwar
7	Ms. Sujata B patil
8	Ms. Iravva Mathad
9	Ms. Laxmi Karoshi
10	Ms. Mahananda Hosatti
11	Ms. Mallamma Patil
12	Ms. Mallikarjun Konnur
13	Ms. Munasi Patil
14	Mr. Muttappa Patil
15	Ms. Nandini Hugar
16	Ms. Pooja Siddappur
17	Ms. Priyanka Golabhavi
18	Ms. Raveena Karihole
19	Ms. Sayavva Chandappannavar
20	Ms. Shilpa Khot
21	Ms. Tulasi Deshanur
22	Mr. Vivekanand Horatti
23	Mr. Shivadev Athani
24	Ms. Ayesha Dalawai
25	Mr. Siddaligappa Ullagaddi





**KLE SOCIETY'S  
S C P ARTS, SCIENCE AND D D S COMMERCE COLLEGE  
Mahalingapur – 587312  
(ACCREDITED AT 'B' WITH 2.81 CGPA)  
(District Bagalkot)**

**Project Report  
On  
TAXONOMY AT CHIKMAGALUR  
BY IV SEMESTER STUDENTS**

**(21/02/2020 – 23/02/2020)**

**GUIDED BY  
Miss. Laxmi P. Angadi  
Miss. Sandhya S. Kodaganur  
DEPARTMENT OF BOTANY**

**SUBMITTED TO  
The Principal Grade - I  
KLE Society's S.C.P Arts, Science & D.D.S Commerce College,  
Mahalingapur-587312**



## PREFACE

The department of Botany has organized field visit to chikmagalur On 21 /02/2020 to 23/02/2020 to study the Taxonomy. The B.sc IV<sup>th</sup> semester student visited the place. This Field visit gives practical knowledge to the student community.


This visit helped to bridge the gap between academics and Field visit. It motivated and encouraged the students to become entrepreneurs. Students used this opportunity and gained much practical knowledge throughout the tour.

The department is thankful to the principal and IQAC Co-Ordinator for financial help and providing an opportunity to do field visit at chikmagalur.

Date: 05-03-2020

Place: Mahalingpur

  
Miss.Sandhya Kodaganur  
SUPERVISOR

  
Miss Laxmi Angadi  
HOD







# **RANI CHANNAMMA UNIVERSITY, BELAGAVI**

**WEL-COME**

**TO THE COURSE STRUCTRE AND SYLLABUS OF UNDERGRADUATE  
PROGRAMMES – B.Sc**

**IV Semester**

**w.e.f,**

**Academic Year 2015-16 and onwards**



Amaranthaceae, Euphorbiaceae, Urticaceae, Orchidaceae, Amoryllidaceae, Liliaceae, Aracaceae and Poaceae.

24 hrs

### Section - II

#### Economic Botany and Medicinal botany

##### Economic Botany:

**Food plants:** Rice, Wheat, Maize, Pulses, Potato and Sugarcane

**Fibres:** Cotton, Jute, Agave and Deccan hemp

**Vegetable oils:** Ground nut, Sunflower, Coconut, Palm oil and Castor

**General account and sources of Timber:** Teak and Sissoo

**Paper & pulp:** Bamboo & Eucalyptus

**Spices:** Ginger, Cinnamon and Cardamom

**Beverages:** Tea & Coffee

**Rubber:** Hevea sp.

10 hrs.

##### Medicinal botany:

**Plants in primary health care:** common medicinal plants - Tinpateega (*Tinospora cordifolia*), Tulsi (*Osimum sanctum*), Kalahanda (Aloe-vera), Turmeric (*Curcuma longa*), Ashwegandha (*Withania somnifera*) and Sarpagandha (*Rauwolfia serpentina*)

4 hrs



## Practicals:-

1. Morphology of Root, Stem and their modifications.
2. Morphology of Leaf and its modifications.
3. Study of Inflorescence and its types.
4. Study of Flower- Descriptive terms, Thalamus, Calyx, Corolla and Aestivation.
5. Study of Flower -Androecium and Gynoecium.
6. Study of Fruit types.
7. Study of any 20 families representing from polypetalae, gamopetalae, apetalae and monocots available in the locality.
8. Economic botany
9. Study of Medicinal Plants available in the locality.
10. Study Tour for minimum Two days to study the Flora (Taxonomy).

## Suggested readings:

1. Davis, P.H. and Heywood, V.H. 1963. principles of angiosperm taxonomy. Oliver and boyd, London.
2. Heywood, V.H. and moore, D.M. (EDS) 1984. current concepts in plant taxonomy academic press, London.
3. Jeffery, C. 1982. An introduction to plant taxonomy. Cambridge university press, cambridge, London.
4. Jones, S.B. Jr and luchsinger, A.E. 1986. plant systematics (2<sup>nd</sup> edition). McGraw Hill book co. newyork.
5. Radford, A.E. 1986. fundamentals of plant systematics. Harper and Row, newyork.
6. Singh, G. 1999. plant systematics: theory and practice. Oxford and IBH, newdelhi.
7. Atace, C.A. 1989. plant taxonomy and bio systematics (2<sup>nd</sup> edition). Edward Arnold, London.
8. Dutta, S.C. 1988. systematic botany. walley eastern, newdelhi.
9. Jaques, H.E. 1999. plant families- how to know them. IBS, newdelhi.
10. Lawrence, G.H.M. 1951. taxonomy of vascular plants. Macmillan, newdelhi.
11. Stewart, W.M. 1983. Paleobotany and the evolution of plants. cambridge university press, cambridge.
12. Joshi, S.G. medicinal plants oxford and IBH newdelhi.
13. Kokate and Gokeale, pharmacognacy. Neroli publication, newdelhi.
14. Lad v Ayurveda- the science of self healing- motilal banarasidas, newdelhi.
15. Lewis, W.H. and M.P.F. Elwip Lewis 1976. medical botany plants affecting man's health. A wiley interscience publication. John wiley and sons newyork.
16. College botany vol I by Gangulee, Das and Datta. New central book agency, Calcutta.
17. Systematic botany by R.N Sutaris.
18. Taxonomy of Angiosperms by B.P. Pandey.
19. Kocchar, S.L. 1998. Economic Botany in Tropics. 2<sup>nd</sup> edition, Macmillian

Ltd, New Delhi.

  
IQAT Co-ordinator  
K.L.E. Society's

S.C.P. Arts, Science & D.S. Commerce College,  
MAHALINGPUR-587312, Dist. Bagalkot.



  
GRADE-I PRINCIPAL  
K.L.E. Society's

S.C.P. Arts, Science & D.S. Commerce College,  
MAHALINGPUR-587312, Dist. Bagalkot.

From,  
Department of Chemistry

To,  
The Principal  
KLE's SCP Degree College,  
Mahalingpur-587312

Subject: Regarding permission for industrial visit

Respected Sir,

As mentioned above subject, we B.Sc VI Sem Students with teachers are going to visit Chikkamangaluru to study 'Extraction of Caffeine From Tea Leaves and Preparation of Sandal Soap from Sandal Oil' on 21/02/2020 to 23/02/2020. So we are requesting to you please permit us to visit.

Below is the enclosed list of students & Lectures

Thank you

Yours Faithfully

Mr. P V Alagouda - 



  
GRADE-1 PRINCIPAL  
K.L.E Society's  
S.C.P.Arts, Science & B.D.S Commerce College,  
MAHALINGPUR-587312, Dist. Bagalkot.

## FACULTY

Sl. No	Faculty Name
1	Mr. P V Alagouda

## STUDENT LIST

Sl. No	Students Name
01	Mr. Shivaling Hugar
02	Mr. Vrushabh Alagond
03	Mr. Manjunath saidapur
04	Mr. Mallikarjun Janawad
05	Mr. Mahaling Gadade
06	Mr. Anand Bandivaddar
07	Mr. Touqeer Khalifa
08	Mr. Sachin Jayappannavar
09	Mr. Danesh Ullagaddi
10	Mr. Sachin Menasannavar
11	Mr. Arjun Madival
12	Mr. Shrinivas Patil
13	Mr. Maning Balagar
14	Mr. Chetan teli
15	Mr. Mahaveer Munnyal
16	Mr. Prakash Banaj
17	Ms. Laxmi Mantur
18	Ms. Savita Bhadrashetti
19	Ms. Shweta Bhangi
20	Ms. Laxmi Dhaduti
21	Ms. Kaveri Katral
22	Ms. Shreya Mathapati
23	Ms. Sujata Mudhol
24	Ms. Shweta Murnal
25	Ms. Annapurna Badiger
26	Ms. Annapurna Sasalatti
27	Ms. Manjula Byali
28	Ms. Amruta Patil
29	Ms. Nilamma Timmapur
30	Ms. Shamnhavi Badiger
31	Ms. Rajeshwari Byakod
32	Ms. Danamma TAlageri
33	Mr. Chetan Hosatti
34	Ms. Sadashiv Nesur
35	Ms. Lakshmi Ghasti
36	Ms. Priyanka Muddagol
37	Ms. Sujata Bandakkannavar
38	Ms. Aishwarya Khanti
39	Ms. Savita Daddimani



  
GRADE-1 PRINCIPAL  
K.L.E. Society's  
S. C. P. Arts, Science & B. D. S. Commerce College  
MAHALINGPUR-587312, Dist. Bijapur



**KLE SOCIETY'S**  
**S.C.P. ARTS, SCIENCE & D.D.S.COMMERCE COLLEGE,**  
**MAHALINGPUR. 587-312**  
(Accredited at B<sup>++</sup> Level with 2.81 CGPA)

**DEPARTMENT OF CHEMISTRY**

**A PROJECT REPORT ON**

**EXTRACTION OF CAFFEINE FROM TEA LEAVES &  
PREPARATION OF SANDAL SOAP FROM SANDALWOOD OIL**

**21/02/2020 to 23/02/2020**

**SUBMITTED BY**

**B.SC VI<sup>th</sup> SEMESTER STUDENTS**

**GUIDED BY**

**PRAFUL ALAGOUDA**

**SUBMITTED TO**

**DR. B M PATIL    Grade-1 principal**



## PREFACE

The department of chemistry has organized industrial visit to chikmagalore, and Mysore sandal soap industry On 21 /02/2020 to 23/02/2020 to study the extraction of caffeine from tea leaves and manufacture of sandal soap. The B.sc VI<sup>th</sup> semester students visited the industry. This industry visit gives practical knowledge to the student community.

The industrial visit helped to bridge the gap between academics and industry. It motivated and encouraged the students to become entrepreneurs. Students used this opportunity and gained much practical knowledge throught the tour.

The department is thankful to the principal and IQAC Co-Ordinator for financial help and providing an opportunity to visit the plant to gain practical knowledge and also thankful to the management of Mysore sandal soap.

Date: 05-03-2020

Place: Mahalingpur



shri. P V ALAGOUDA

SUPERVISOR



Smt. J R PATIL

HOD



GRADE-1 PRINCIPAL  
K.L.E.Society's

C.P.Arts & D.D.S.Commerce College  
Mahalingpur 587312 Dist.Bagalkot

04. Determination and saponification value of groundnut/coconut oil
05. Determination of Iodine value of groundnut/coconut oil
06. Estimation of glucose by Benedict's reagent

### B. Physical Chemistry Experiments

01. Determination of concentration of given acids mixture ( $\text{HCl} + \text{CH}_3\text{COOH}$ ) conductometrically using standard  $\text{NaOH}$ .
02. Verification of Beer-Lambert's Law by colorimetric method and calculation of molar extension coefficient of  $\text{FeCl}_3$ .
03. Verification of Beer-Lambert's Law by colorimetric method and calculation of molar extension coefficient of copper sulphate.
04. Determination of concentration of strong acid  $\text{HCl}$  by potentiometric titration against strong solution of  $\text{NaOH}$ .
05. Potentiometric titration of  $\text{FeSO}_4$  against  $\text{K}_2\text{Cr}_2\text{O}_7$ .
06. Determination of the solubility and solubility product of sparingly soluble salts (Silver halides) by potentiometrically.
07. Determination of heat of neutralization of strong acid by strong base by water equivalent calorimetric method.
08. Determination of dissociation constant of weak acid (acetic acid) Potentiometrically.

**Note:** For examination:

50% students will perform organic estimation and 50% students will perform Physical.

## CHEMISTRY PRACTICALS

### SIXTH SEMESTER B.Sc. COURSE

Chemistry Practical

Paper-II

Code : 14BSCCHEP62

Total number of hours per week: 04  
Internal Assessment=10 Marks  
Total No. of hours per Semester: 52  
Practicals: 40 Marks

A. Gravimetric experiments: Internal assessment-10 Marks  
and Experiment-30 Marks





01. Estimation of barium as Barium sulphate.
02. Estimation of aluminium as aluminium oxide.
03. Estimation of Iron as ferric oxide.
04. Estimation of lead as lead sulphate.

**B. Dissertation/Tour report: 10 marks**

The Dissertation/Tour report should be submitted at the time of Chemistry Practical-VIb.

Student shall be assigned either dissertation or Tour report. The topics for dissertation shall be selected either from the V and VI semester theory syllabi or general topics related to chemistry. For Tour report, student shall visit an Industry or Academic/Research institutions like BARC, IISc etc.

**Note: For examination:**

Gravimetric experiments and Dissertation/Tour report are Compulsory.

**4. ELECTRONICS (OPTIONAL)**

B. Sc. SEMESTER – VI

Electronics (Optional) PAPER – I

Total Teaching hours: 50; Teaching hours per week: 4 hours

**ELE- 6.1: DIGITAL COMMUNICATION, SATELLITE COMMUNICATION & TELEVISION**

**UNIT - I : PULSE AND DIGITAL COMMUNICATION:**

Introduction – sampling theorem, types- PAM, PWM, PPM, PCM – quantization. Digital communication systems – introduction, Digital modulations (FSK, PSK, and ASK). Advantage and disadvantages of digital transmission, Applications. Characteristics of data transmission circuits – Shannon limit for information capacity, Bandwidth requirements, Data transmission speed, Noise, Cross talk, Echo Suppressors, Distortion and Equalizer.

8Hrs.+2Hrs.Problems =10hrs

*[Signature]*  
**IQAC Co-ordinator**

R. E. Society's

S. C. P. Arts, Science & Commerce College  
 MANALINGURU - 687912, Dist. Thrissur



*[Signature]*  
**GRADE - I PRINCIPAL**

R. E. Society's

S. C. P. Arts, Science & Commerce College  
 MANALINGURU - 687912, Dist. Thrissur

From,  
Department of Zoology

To,  
The Principal  
KLE's SCP Degree College,  
Mahalingpur-587312

Subject: Regarding permission for Field visit

Respected Sir,

As mentioned above subject, we B.Sc VI Sem Students along with teachers are going to field visit to study Fisheries Research and Information Center, Bhutnal on 07/02/2020. So please permit us to visit.

Below is the enclosed list of students & Lectures.

Thank you

Yours Faithfully

1. Miss C.M.Gennur
2. Miss A.S.Mangavate

*Gennur*  
*Amita*



*[Signature]*  
GRADE-1 PRINCIPAL  
K.L.E. Society's  
S.C.P Arts, Science & B.D.S Commerce College,  
MAHALINGPUR-587312, Dist. Bagalkot.

## FACULTY

Sl. No	Faculty Name
1	Miss. C.M.Gennur
2	Miss. A.S. Mangavate

## Student List

Sl.No	Student's Name
1	Mr. Chetan Hosatti
2	Mr. Manjunath Saidapur
3	Mr. Maning Balagar
4	Ms. Neelavva Timmapur
5	Mr. Shivabasu Arabhavi
6	Ms. Shweta Murnal
7	Ms. Sumati Patil
8	Ms. Annapoorna Badiger
9	Mr. Arjun madiwal
10	Ms. Shambhavi Badiger
11	Ms. Laxmi Ghasti
12	Ms. Manjula Byali
13	Mr. Sadashiv Nesur
14	Ms. Amruta Patil
15	Ms. Kaveri Kotral
16	Ms. Shreya Matapati
17	Ms. Priyanaka Muddagol
18	Ms. Annapoorna sasalatti
19	Ms. Sujata Mudhol
20	Mr. Tauqeer Khalifa
21	Mr. Sachin Menasannavar
22	Mr. Sachin jayappannavar





**K.L.E Society's**  
**S.C.P Arts, Science and DDS Commerce College**  
**Mahalingpur- 587 312**

(Accredited At B++ with 2.81 CGPA by NAAC)

**PROJECT REPORT**

**On**

**AQUACULTURE**

**In**

**FISHERIES RESEARCH AND INFORMATION CENTER**  
**BHUTANAL VIJAYAPUR**

**By**

**B.Sc VI Semester Students**

**Guided By**

**Miss: C. M. GENNUR**  
**Department of Zoology**

**Submitted to**

**HOD Department of Zoology**

**07/02/2020**



## ACKNOWLEDGEMENT

As a part of our curriculum, our field visit to **Fisheries Research and Information Center, Bhutnal, Vijayapura** has been successfully completed with the cooperation of the **Zoology Department** of our collage. We acknowledge our gratitude for providing the necessary literature and field knowledge.

We are very grateful to our Head of the department **Miss. Chandrakala. M. Gennur** for their encouragement and valuable help in carrying out this project. We express our thanks to our teachers **Miss. Chandrakala. M. Gennur & Miss. Amruta. S. Mangavate**, of **Zoology** department for extending all helps in completing this project in time.

We are also grateful to our beloved **Grade-1 Principal Dr. B.M.Patil** sir for permitting us to do this project.



Rani Channamma University, Belagavi  
B.Sc VI Semester \_ 6.1

Paper I

Total hours – 50  
Marks – 80  
Theory 4 hrs/week

**APPLIED ZOOLOGY (optional)**

**Sericulture** : Mulberry Silkworm and Life History of Bombyx mori

07 hrs

Rearing of Silkworm: Grainage management, Emergence of moth and fertilization, egg laying, hatching and moulting of silkworm, spinning of cocoons, Cocoon processing, stiffling and spinning silk, Filature. Non mulberry silkworm, types, in brief & Silkworm diseases- Muscardine, Grasserie, Flacherie & Pebrine.

**Apiculture**: Species of Honey Bees, their Social organization, Life History

05 hrs

Methods of Bee Keeping, products of Bees, & their Economic importance

**Insect Pest Management**: Natural control and Applied control of pests

05 hrs

Applied Control \_\_ Mechanical, Physical, Cultural, Legal, Chemical control

**Vermiculture**: Earthworm species used in vermiculture, vermiculture technique, and Importance of vermiculture.

04 hrs

**Aquaculture** :

10 hrs

Prawn Fisheries, Species of Prawns, Culture of freshwater and marine Prawns, Preservation and processing of Prawns.

**Pearl Culture** : Pearl producing molluscans, Pearl formation, Pearl producing

Sites in India. Quality and composition of Pearl.

Pearl Industry: Artificial Insertion of nucleus

Brief technique of Fish culture, Preservation of fishes and their Byproducts



**Poultry :** Breeds of fowl, Diseases of poultry, Poultry maintenance and By-products, and Composition and Nutritive value of Egg

06 hrs

**Animal Husbandary:** Maintenance, Breeds Diseases, Products and By-Products of the following

10 hrs

Sheep and Goats, Cow and Buffalos, Composition and Nutritive value of Milk

**Lac culture:** Classification of Lac insect (Techardia lacca, Life history of Lac

Insect. Host plants, Cultivation of Lac. Composition and properties & Economic importance

3 hrs.

**Practicals – 6.1  
Practicals**

**Total -11**

1. **Project on any of the applied branch studied in theory.** 1
2. Study of mulberry silkworm and Life cycle 1
3. Types of non mulberry silkworms in brief and Silkworm diseases (Pebrine, Muscardine and Grasserie & Flaturie) 1
4. Species and castes of honeybees 1
5. Agricultural pests and domestic pests (total 8 varieties) 1
6. **Study of fisheries** \_\_ Molluscs (three), Crustaceans (three) And Pisces (six) 1
7. Study of Varieties of sheep and goat (from chart/photographs) 1
8. Study of varieties of Cow & Buffalos (from chart/photographs) 1
9. Vermiculture \_\_ Study of types of Earthworm species 1
10. Study of poultry breeds 1
11. Study of Lac Insect (Life cycle) 1

  
**IOAC Co-ordinator**  
K.L.E. Society's

S.C.P. Arts, Science & P.D.S. Commerce College  
MAHALINGPUR-587312, Dist. Bagelot



  
**GRADE PRINCIPAL**  
K.L.E. Society's

S.C.P. Arts, Science & P.D.S. Commerce College  
MAHALINGPUR-587312, Dist. Bagelot

From,  
Department of Botany

To,  
The Principal,  
KLE's SCP Degree College,  
Mahalingpur-587312

Subject: Regarding permission for Field Visit

Respected Sir,

As mentioned above subject, we B.Sc VI Sem Students along with 2 teachers are going to visit Biotechnology and Genetic Engineering of plants in KRC Horticulture College, Arabhavi on 13/01/2020, So Please permit us to visit.

Below is the enclosed list of Students & Lectures

Thanking You

Your's faithfully

1) Laxmi P. Angadi



2) sandhya.S.Kodaganur



GRADE-1 PRINCIPAL  
K.L.E. Society's  
S.C.P. Arts, Science & B.D.S. Commerce College,  
MAHALINGPUR-587312, Dist: Bagalkot



## FACULTY

SL. No	Faculty Name
1	Miss. Laxmi P. Angadi
2	Miss. Sandhya. S. Kodaganur

## STUDENT LIST

SL. No	Student's Name
1	Mr. Chetan Hosatti
2	Mr. Manjunath Saidapur
3	Mr. Maning Balagar
4	Ms. Neelavva Timmapur
5	Mr. Shivabasu Arabhavi
6	Ms. hweta Murnal
7	Ms. Sumati Patil
8	Ms. Annapoorna Badiger
9	Mr. Arjun madiwal
10	Ms. Shambhavi Badiger
11	Ms. Laxmi Ghasti
12	Ms. Manjula Byali
13	Mr. Sadashiv Nesur
14	Ms. Amruta Patil
15	Ms. Kaveri Kotral
16	Ms. Shreya Matapati
17	Ms. Priyanaka Muddagol
18	Ms. Annapoorna sasalatti
19	Ms. Sujata Mudhol
20	Mr. Tauqeer Khalifa
21	Mr. Vittal Mugalakhod
22	Mr. Sachin Menasannavar
23	Mr. Sachin jayappannavar



  
GRADE-1 PRINCIPAL  
K.L.E. Society's  
S.C.P. Arts, Science & P. H. S. Commerce College,  
MAHALINGPUR-587112, BELLARY DISTRICT



**KLE Society's**  
**S.C.P Arts, Science & D.D.S Commerce College,**  
**Mahalingpur – 587312**  
(ACCREDITED AT 'B++' WITH 2.81 CGPA)

**PROJECT REPORT**  
**ON**

**Biotechnology and Genetic Engineering of Plants**  
**(KRC Horticulture College, Arabhavi)**

**By**  
**B.Sc VI Semester Students.**  
**Visited on 13 January 2020**

**Guided By**  
**Laxmi .P. Angadi**  
**Sandhya Kodaganur**  
**Department of Botany**

**Submitted To**  
**The Principal**

**KLE Society's S.C.P Arts, Science & D.D.S Commerce College**  
**Mahalingapur-587312**



## PREFACE

The Department of Botany has organized the field visit to K.R.C Horticulture College, Arabhavi - Belagavi district on 13 January 2020, to study the biotechnology and genetic engineering of plants with BSc VI semester students. The Field visit is part of syllabus for Botany students, as it gives practical knowledge to the student community.

The Field visit helped to bridge the gap between the academic and practically. It motivates the students to gain practical knowledge.

The department is Thank full to the Grade -I Principal and IQAC Co-ordinator for providing an opportunity to visit the Biotechnology laboratory And also thankful to the HOD Department of Biotechnology, K.R.C College of Horticulture Arabhavi.

Thanking you

HOD of Botany

Miss. L. P. Angadi.



In charger

Miss. S. S. Kodagamur



### Unit 3: Recombinant DNA technology and Bioinformatics:

Enzyme, vector (plasmid pBR 322), marker gene, Steps of cloning technique, PCR and its application, Genomic DNA and cDNA library. Brief concept on Genomics and proteomics.

08 Hrs.

### Unit 4: Biotechnology and Genetic engineering of plants:

Basic concepts, principles and scope, Aims, strategies for development of transgenic plants

(with suitable example). Agrobacterium-The natural genetic engineer. T-DNA and transposon mediated Gene tagging, intellectual Property rights, possible ecological risks and ethical concerns.

12Hrs.

### Unit 5: Microbial genetic manipulation and Immunology

**Microbial genetic manipulation:** Bacterial transformation, selection of recombinant and transformants, genetic improvement of industrial microbes, nitrogen fixers & fermentation technology.

**Immunology:** Immuno-systems, Immunotechniques in Agriculture, ELISA method to detect Plant diseases & Monoclonal Antibodies.

12 Hrs.

#### Practicals:

1. DNA estimation by DPA (diphenyl amine) method.
2. RNA estimation by orcinol method.
3. Extraction and estimation of protein from plant source.  
1) Salt precipitation method 2) solvent method
4. Culturing of Rhizobium- (YEMA media).
5. Culturing of Azotobacteria- (ASHBY'S media).
6. Demonstration of Electrophoresis technique
7. Agarose gel electrophoresis.
8. Demonstration and comparison of GM Plants with Non GM Plants (BT- Cotton, BT-Brinjal, BT Tomato).
9. Visit to Biotechnology Research Laboratory

IQAC Co-ordinator  
P.L.T. Society's

S.C.P. Arts, Science & Commerce College  
MAHALINGPUR-557312, Dist. Bagalkot.



GRADE-1 PRINCIPAL

S.C.P. Arts, Science & Commerce College  
MAHALINGPUR-557312, Dist. Bagalkot