



SARADA VILAS COLLEGE

Krishnamurthypuram, Mysuru - 570 004

(Affiliated to the University of Mysore)

Reaccredited by NAAC with B+grade (CGPA : 2.70)

E-mail : principal@saradavilas.com, Website : www.saradavilas.com



Dr. M. Devika, M.Sc., M. Phil., Ph.D

Principal

Mobile : 9880024483

Criteria – 1

1.3.2 – Percentage of students undertaking project work / field work / internships (Data for the latest completed academic year)

(DVV Clarification)

Clarification asked	Response	Page No.
Point 1: List of students undertaking the field projects/ internship program wise in the last completed academic year along with the details of title, place of work etc.	<ul style="list-style-type: none"> ➤ List of Students participated in Field Project is provided. ➤ List of Students participated in Internship is provided. ➤ Details of title, place of work of Students participated in Field Project/ Internship is provided 	01 - 07
Point 2: Internship completion certificate / project work completion certificate from the organization where Internship / project was completed along with duration to be provided.	<ul style="list-style-type: none"> ➤ Copy of Internship completion certificate is provided ➤ Copy of Project Works completion certificate is provided ➤ Certificate copy with duration highlighted is provided. 	08 - 26
Point 3: Report of the field work / sample photographs of the field work / permission letter only for the field work from the competent authority	<ul style="list-style-type: none"> ➤ Report of Field work is provided. ➤ Sample photographs of Field work are provided. ➤ Permission letter for the field work from competent authority is provided. 	27 - 102

This is to certify that the above said DVV clarifications are true to the best of my knowledge.


Dr. M Devika
M.Sc., M.Phil., Ph.D.
Principal
Sarada Vilas College,
Krishnamurthypuram, Mysuru



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Principal

Mobile : 9880024483

Criteria – 1

1.3.2 – Percentage of students undertaking project work / field work / internships (Data for the latest completed academic year)

Title of the Programs	Course	No. of Students	Place of Project Work / Internship / Field Visit
Project Work	M.Com	02	<ul style="list-style-type: none"> Life Insurance Corporation , Mysuru Branch 72/A The Professional Courier , Saraswathipuram, Mysuru
Internship	B.Sc	07	<ul style="list-style-type: none"> CADD Solution Technologies Pvt. Ltd. Mysuru
Field Visit	Botany	44 +44	<ul style="list-style-type: none"> Kukkarahalli Lake , Mysuru Department of Horticulture, Govt. of Karnataka.
	Zoology	38 +32	<ul style="list-style-type: none"> Govt. Veterinary Hospital. KM Puram , Mysuru Karnataka Pollution Control Board, Mysuru
	M.Sc	45	<ul style="list-style-type: none"> Vijnana Bhavan, UoM , Mysuru
	M.Com	48	<ul style="list-style-type: none"> Klens Pvt. Ltd. Mandya & Pushpak India Pvt Ltd, Bangalore.
Grand Total		260	

This is to certify that the above said DVV clarifications are true to the best of my knowledge.


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 Sarada Vilas College,
 Krishnamurthypuram, Mysuru

SARADA VILAS COLLEGE
KRISHNAMURTHY PURAM, MYSURU - 04

Field work 2021-2022

Place of Field Visit / Industrial Visit and Project Work:					
Field visit to kukkaeahalli lake mysore, Department of Botany					
Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship	Course code	Year of offering	Name of the student studied course on experiential learning through project work/field work/internship
B.Sc	B.Sc CBCS	CBZ	BSCSS18	2021-22	Amith Raj G B
					Ankitha H S
					B Gayathri Ajith
					Bhavana S B
					Chaithra M U
					Chandan J
					Chandra V
					Charan Shetty J
					Divya Y S
					G K Tejukumar
					Harshitha N D
					Hemprasad B C
					Jainkar M
					Keerthishree U
					Lohith Beerappa Heggade V S
					Mahesha M N
					Manikanta B
					Manoj M T
					Manoj N
					Meghana N
					Mynakumari A P
					Nandan H B
					Nishanthkumar N S
					Pavan M S
					Pavan P
					Prajwal A
					Prajwal G
					Prajwal M S
					Praveen Kumar S
					Rajesha S N
					Sandheep R
					Sanjay H. S.
					Sevanthi Mayuri A
					Shashank M G
					Shivakumara M
					Shivu R
					Sowrav M S
					Sudeep B S
					Supritha R
					Varun J
					Vikas P S
					Vismitha M C
					Yashawanth G K
					Yogesh N D


 B.Sc. M.Phil, Ph.D.
 Principal
 Sarada Vilas College,
 Krishnamurthy Puram, Mysuru

Field work 2021-2022					
Field visit to department of horticulture, Govt.of karnataka, Department of Botany					
B.Sc	B.Sc CBCS	CBZ	BSCSS18	2020-21	ABHISHEK S ADITHYA BHARADWAJ N AMITH KUMAR H I AMRUTH S R AMRUTH SAGAR K S ANANYA H B ARCHANA BASAVANNA C BHARATH KUMAR R BINDU B P C B SANJAY CHANDAN C S CHETHUSH M DHANUSH C DIVYASHREE H S GANAVI M N GANYASHREE H INDRESH H P INDUSHREE P JAGANNATH S KARTHIK T M M S SHEETHAL NAITHANYA G N NIRANJAN S PRAJWAL S V PROMAD C M PRASANNA KUMAR S PRUTHIVI H S PRUTHIVIRAJ B PURUSHOTHAM M R RAJASHEKAR M P RAVI KUMAR S S N MANOJ SHIVAKUMAR SHIVAKUMARA C B SWATHI THEJAS GOWDA VARSHITHA S VARUNKUMAR B VASUNDHARA HEGDE B R VIDYASHREE S VIKAS R VINOD KUMAR H S YASHWANTHGOWDA H S


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 Krishnamurthyapuram, Mysuri

Field work 2021-2022

Field visit to government veterinary hospital, krishnamurthypuram, Mysore

B.Sc	B.Sc CBCS	CBZ zoology	BSCSS18	2021-22	ABHISHEK S
					ADITHYA BHARADWAJ N
					AMITH KUMAR H I
					AMRUTH SAGAR K S
					ANANYA H B
					ARCHANA
					BASAVANNA C
					BHARATH KUMAR R
					BINDU B P
					C B SANJAY
					CHANDAN C S
					CHETHUSH M
					DHANUSH C
					DIVYASHREE H S
					GANAVI M N
					GANYASHREE H
					INDRESH H P
					INDUSHREE P
					JAGANNATH S
					M S SHEETHAL
					NAITHANYA G N
					NIRANJAN S
					PRAJWAL S V
					PRUTHIVI H S
					PRUTHIVIRAJ B
					PURUSHOTHAM M R
					RAJASHEKAR M P
					RAVI KUMAR S
					SHIVAKUMARA C B
					SWATHI
					THEJAS GOWDA
					VARSHITHA S
					VARUNKUMAR B
					VASUNDHARA HEGDE B R
					VIDYASHREE S
					VIKAS R
					VINOD KUMAR H S
					YASHWANTH GOWDA H S


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 Krishnamurthypuram, Mysuru


Field work 2021-2022

Field visit to vijnana bhavan,UoM,Mysore

M.Sc	M.Sc CHE	M.Sc CHE	M.Sc CHE	2021-22	Abhishek
					Akshatha V
					Anusha G M
					Ashoka HM
					Chaitra E
					Chandrika S
					Darshan R K
					Dharanesh C
					Gunnaiah C
					Gurukiran S R
					Harshavardhana T L
					Jagadeesha A S
					Kavya M
					Likith kumar G.N
					Mahdevaprasad M
					Manoj Kumar H.B
					Manu nayak D
					Manu kumar B
					Megha P
					Megharaj
					Mourya R
					Nagamadesh M
					Nayana B.N
					Nuthan k R
					Pavan kumar D
					Pooja C R
					Pooja C T
					Pradeep S
					Prakasha H D
					Prashanth CJ
					Rakshitha C C
					Rakshitha R
					Rashmi M S
					Ruthu C
					Sangeetha S
					Sachin M S
					Sahana Priya J
					Sangeetha B M
					Shashank A S
					Shivakumar D S
					Shreelakshmi K
					Shubha M C
					Sujith M S
					Sunil Kumar K
					Swathi H N
					Vani D
					Vinod Nadig B M
					Yashwanth H N

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Principal
Saraswathi College,
Kudremangalur, Mysuru

Field work 2021-2022					
industrial visit to klens Pvt.Ltd, Mandya & Pushpak india Pvt. Ltd banglore(MSME)					
M.Com	M.Com15	M.Com	M.Com 15	2021-22	LIKHITHA
					THANUJA D
					NISHANKA PM
					SHILPASHREE S
					SUMA M K
					RADHIKA S
					MADHU M
					VINUTHA S
					RAMYA T
					MEGHANA S
					MANUSHREE S
					MOHITHA M
					RAKSHITHA H M
					NAVYASHREE S
					PRIYANKA S
					HARSHITHA N
					SANTHOSH VARDHAN V
					AVIN
					RAMACHANDRA B
					SAHANA B
					SAHANA S
					VINITHA K D
					SURYA V
					BHARATHKUMAR V
					DARSHAN
					K RATHISHKUMAR
					BASAVALINGAPPA
					SANJITHA M
					MOHAN WADEYAR M
					SANJAY L
					SPHOORTHY S C
					RAMYA H L
					HARSHITHA M K
					SUSHMITHA M
					LAVANYA H Y
					RASHMI P K
					SINDHU
					SPOORTHY L N
					ARPITHA D
					VINUTHA P
					BHAVANA A M
					BHOOMIKA M R
					NAGARAJU P
					POORNIMA G J
					YASHASWINI J P


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Field work 2021-2022

Field visit to Karnataka pollution Control Board Mysore, Department zoology

Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship	Course code	Year of offering	Name of the student studied course on experiential learning through project work/field work/internship
B.Sc	B.Sc CBCS	CBZ	BSCSS18	2020-21	ABHISHEK G R
					AISHWARYA P RAO
					AJAYA KUMAR S
					ANJALI D N
					ANOO P H D
					ARCHANA H S
					CHANDANA G S
					CHINMAYI B S
					DHANUSHGOWDA N K
					HARSHA M
					HARSHACHANDRA A C
					HARSHITHA M
					JASHWANTH G
					JEEVAN D N
					JEEVAN KUMAR
					KIRAN M
					LIKHITH S
					LOKESH P
					MAHADEVAPRASAD N M
					MAHENDRA B
					MANOHAR M K
					NAVEENKUMAR M
					NISRAGA N S
					NISHANTH S
					POORNIMA M K
					PRAKASHA S
					RAKSHITHA P T
					SAGAR D S
					SANGEETHA M P
					SANJANA M S
					SHASHANK M N
					SHASHANKA PARAMESHWAR HEGDE
					SIDDARAJU B
					SINDHU H M
					SINDHU K M
					SNEHA J
					SOUJANYA S GANGAVATI
					UMESH D
					VINAYA PAI A


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 Sarada Vilas College
 Chikmagalur, Karnataka

SARADA VILAS COLLEGE
KRISHNAMURTHY PURAM, MYSURU - 04
INTERNSHIP - 2021-22

Internship at CADD Solutions Technologies Pvt. Ltd., Mysuru, Department of Botany					
Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship	Course code	Year of offering	Name of the student studied course on experiential learning through project work/field work/internship
B.Sc	B.Sc CBCS	CBZ	BSCSS18	2021-22	THEJAS GOWDA
					GANYASHREE H
					M S SHEETHAL
					VASUNDHARA HEGDE B R
					VIKAS R
					CHETHUSH M
					RAJASHEKAR M P


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SARADA VILAS COLLEGE
KRISHNAMURTHY PURAM, MYSURU - 04

Project work 2021-2022

Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship	Course code	Year of offering	Name of the student studied course on experiential learning through project work/field work/internship	Place of Field Visit / Industrial Visit and Project Work:
M.Com	M.Com	M.Com	M.Com15	2021-22	RAGHAVENDRA V E	Topic: " A study on customer relationship management in life insurance corporation of India with special reference to branch no. 72/A Krishnamurthypuram, Mysuru" Place: Insurance corporation of India , Branch No. 72/A , Mysuru.
					RANJITHA H S	Topic: " A study on customer satisfaction towards the Professional Courier with special reference to Mysuru Branch" Place : The professional couriers, Saraswathipuram Mysore


Dr. M. Devika
 M.Sc., M.Phil., Ph.D.
 Principal
 Sarada Vilas College,
 Krishnamurthypuram, Mysuru

From,
Students
B.Sc., Final year, CBZ
Sarada Vilas College,
Krishnamurthy, Mysore-04

Through,
The Principal
Sarada Vilas College,
Krishnamurthypuram, Mysore-04

To,
CADD Solutions and Technologies
Lakshmipuram, Mysore

Respected Sir,

Subject: Permission to carryout Internship for students from Sarada Vilas College, Mysore.

With respect to the above subject, I request you to kindly permit the students of final year B.Sc. to carryout certified internship at your institute. Kindly oblige.

Thanking you,

Date: 25.05.2022

Place: Mysore

Yours faithfully


Dr. M Devika
M.Sc., M.Phil., Ph.D.
Principal
Sarada Vilas College,
Krishnamurthypuram, Mysuru.

**SARADA VILAS COLLEGE
KRISHNAMURTHY PURAM, MYSURU - 04
INTERNSHIP - 2021-22**

Internship at CADD Solutions Technologies Pvt. Ltd., Mysuru, Department of Botany					
Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship	Course code	Year of offering	Name of the student studied course on experiential learning through project work/field work/internship
B.Sc	B.Sc CBCS	CBZ	BSCSS18	2021-22	THEJAS GOWDA
					GANYASHREE H
					M S SHEETHAL
					VASUNDHARA HEGDE B R
					VIKAS R
					CHETHUSH M
					RAJASHEKAR M P


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CADD SOLUTIONS TECHNOLOGIES PVT. LTD.

NABL Accredited Laboratory as per ISO/IEC : 17025:2017 [TC - 8320] [Certified by ISO 9001:2015 & OHSAS 18001:2007]

#952/2, New No.-CH 9/1, 2nd Main Road, Lakshmipuram, Mysuru - 570 004

☎ 0821 - 4281199

☎ 73381 91592

✉ cstpl18@gmail.com

🌐 www.cstpl18.com

OUR SERVICES : Chemical and Environmental Lab | Mechanical Testing Lab | Calibration Services
DGPS / Total Station Survey | Road and Amenity Cleaning M/c.

Certificate

This is to certify that **Mr Thejas Gowda B**, bearing Registration No. **M1900571**, studying **B Sc (CBZ) 6th Semester** in **Sarada Vilas College, Krishnamurthypuram, Mysuru**, has undergone a Hands on Training on **Water analysis of both Chemical & Microbiology Lab and Air, Stack and Noise Monitoring** in our Organization, for a period of **10 days, from 25.05.2022 to 04.06.2022**. His conduct was found to be satisfactory during the tenure of internship.



Environmental Engineer



Quality Manager



Managing Director



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OUR SERVICES : Chemical and Environmental Lab | Mechanical Testing Lab | Calibration Services
DGPs / Total Station Survey | Road and Amenity Cleaning M/c.

Certificate

This is to certify that **Ms M S Sheethal**, bearing Registration No. **M1900500**, studying **B Sc (CBZ) 6th Semester** in **Sarada Vilas College, Krishnamurthypuram, Mysuru**, has undergone a Hands on Training on **Water analysis of both Chemical & Microbiology Lab and Air, Stack and Noise Monitoring** in our Organization, for a period of **10 days, from 25.05.2022 to 04.06.2022**. Her conduct was found to be satisfactory during the tenure of internship.


Environmental Engineer


Quality Manager


Managing Director



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Certificate

This is to certify that Ms Ganyashree H, bearing Registration No. M1900477, studying B Sc (CBZ) 6th Semester in Sarada Vilas College, Krishnamurthypuram, Mysuru, has undergone a Hands on Training on Water analysis of both Chemical & Microbiology Lab and Air, Stack and Noise Monitoring in our Organization, for a period of 10 days, from 25.05.2022 to 04.06.2022. Her conduct was found to be satisfactory during the tenure of internship.


Environmental Engineer


Quality Manager


Managing Director



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DGPS / Total Station Survey | Road and Amenity Cleaning M/c.

Certificate

This is to certify that **Mr Chethush M**, bearing Registration No. **MI900469**, studying **B Sc (CBZ) 6th Semester** in **Sarada Vilas College, Krishnamurthypuram, Mysuru**, has undergone a Hands on Training on **Water analysis** of both **Chemical & Microbiology Lab and Air, Stack and Noise Monitoring** in our Organization, for a period of **10 days, from 25.05.2022 to 04.06.2022**. His conduct was found to be satisfactory during the tenure of internship.


Environmental Engineer


Quality Manager


Managing Director



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OUR SERVICES: Chemical and Environmental Lab | Mechanical Testing Lab | Calibration Services
DGPS / Total Station Survey | Road and Amenity Cleaning M/c.

Certificate

This is to certify that Mr Rajashek hara M P, bearing Registration No. M1900540, studying BSc (CBZ) 6th Semester in Sarada Vilas College, Krishnamurthypuram, Mysuru, has undergone a Hands on Training on Water analysis of both Chemical & Microbiology Lab and Air, Stack and Noise Monitoring in our Organization, for a period of 10 days, from 25.05.2022 to 04.06.2022. His conduct was found to be satisfactory during the tenure of internship.


Environmental Engineer


Quality Manager


Managing Director



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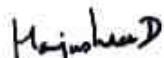
✉ cstpl18@gmail.com

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OUR SERVICES : Chemical and Environmental Lab | Mechanical Testing Lab | Calibration Services
DGPS / Total Station Survey | Road and Amenity Cleaning M/c.

Certificate

This is to certify that **Ms Vasundhara Hegde B R**, bearing Registration No. **M1900575**, studying **B Sc (CBZ) 6th Semester** in **Sarada Vilas College, Krishnamurthypuram, Mysuru**, has undergone a Hands on Training on **Water analysis of both Chemical & Microbiology Lab and Air, Stack and Noise Monitoring** in our Organization, for a period of 10 days, from **25.05.2022** to **04.06.2022**. Her conduct was found to be satisfactory during the tenure of internship.


Environmental Engineer


Quality Manager


Managing Director



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OUR SERVICES : Chemical and Environmental Lab | Mechanical Testing Lab | Calibration Services
DGPS / Total Station Survey | Road and Amenity Cleaning M/c.

Certificate

This is to certify that **Mr Vikas R**, bearing Registration No. **M1900581**, studying **B Sc (CBZ) 6th Semester** in **Sarada Vilas College, Krishnamurthypuram, Mysuru**, has undergone a Hands on Training on **Water analysis of both Chemical & Microbiology Lab and Air, Stack and Noise Monitoring** in our Organization, for a period of 10 days, from **25.05.2022 to 04.06.2022**. His conduct was found to be satisfactory during the tenure of internship.


Environmental Engineer


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Managing Director

SARADA VILAS COLLEGE
KRISHNAMURTHY PURAM, MYSURU - 04
Project work 2021-2022

Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship	Course code	Year of offering	Name of the student studied course on experiential learning through project work/field work/internship	Place of Field Visit / Industrial Visit and Project Work:
M.Com	M.Com	M.Com	M.Com15	2021-22	RAGHAVENDRA V E	Topic: " A study on customer relationship management in life insurance corporation of India with special reference to branch no. 72\A Krishnamurthypuram, Mysuru" Place: Insurance corporation of India , Branch No. 72/A , Mysuru.
					RANJITHA H S	Topic: " A study on customer satisfaction towards the Professional Courier with special reference to Mysuru Branch" Place : The professional couriers, Saraswathipuram Mysore


Dr. M. Devika
 M.Sc., M.Phil., M.D.
 Principal
 Sarada Vilas College,
 Krishnamurthypuram, Mysuru

A
Project Report

On

**A Study on Customer Relationship Management In Life Insurance Corporation
of India - With Special Reference to Branch Number 72A Krishnamurthipuram,
Mysuru.**

Submitted by
Raghavendra V E
Reg. No: CM204110

Internal Guide

Dr. Jyothu A N
Assistant Professor
Department of Commerce
PG Centre - M.Com
Sarada Vilas College, Mysuru

External Guide

Mr. Vijay Prasad Hegde
Development Officer
LIC of India

Submitted to

University of Mysore

In partial fulfilment of award of Post Graduate Degree in Commerce - M.Com
Department of Commerce and Business Administration,
PG Centre - M.Com
Sarada Vilas College, Mysuru.



Sarada Vilas Educational Institutions (R)

Phone : 0821 - 2332479

Fax : 0821 - 2330221

SARADA VILAS COLLEGE

Krishnamurthypuram, Mysuru - 570 004

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Reaccredited by NAAC with B+grade (CGPA : 2.70)

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M. Devika, M.Sc., M. Phil., Ph.D

Principal

Mobile : 9880024483

Date: 22.07.2022

Certification

This is to certify that Mr. RAGHAVENDRA V E (Reg. No.CM204110) is a bonafide student of PG Centre- M.Com, Sarada Vilas College, studying M.Com final year in the academic year 2021-2022. As a part of his final examination M.Com he has prepared a project report entitled "A Study on Customer Relationship Management in Life Insurance Corporation of India-With Special reference to Branch No 72A Krishnamurthypuram Mysuru" under the guidance of Dr.Jyothi A.N , Assistant Professor, PG Centre-M.Com, Sarada Vilas College. Mysuru. I certify that, this project work is his original work and not presented to any other University/Institution for award of any Degree/ Diploma.

Dean
Sarada Vilas College
Mysuru

Dr. M. Devika
Principal
M.Sc., M.Phil., Ph.D.
Sarada Vilas College
Sarada Vilas College,
Krishnamurthypuram, Mysuru

Vijaya Prasad Hegde

M.Com., D.B.A., LL.B., A.P. (England)

Development Officer




CERTIFICATE

This is to certify that Mr. Raghavendra V.E (Reg.No. CM204110) 4th semester M.Com student of Sarada Vilas College, PG Centre, University of Mysore has undergone the project work on "Customer Relationship Management In Life Insurance Corporation Of India - With Special Reference to Branch Number 72A Krishnamurthipuram, Mysuru". He has completed his project report from 06/04/2022 to 20/07/2022 in our union successfully under the guidance of Mr. Vijay Prasad Hegde, Development Officer. We wish him all the success in his future Endeavour.

Place: Mysuru

Date: 20/07/2022


VIJAY PRASAD HEGDE, M.Com., D.B.A., LL.B.
Development Officer
Life Insurance Corporation of India
578, Dewan's Road, Lakshmipuram -
MYSORE-570 004

LIC of India, Branch - IV, # 578, Dewan's Road, Lakshmipuram, Mysore 570 004

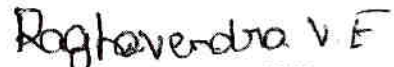
Phone : 0821 2333978, 2333231

esl MATHRU KRUPA, # 376, 7th Main, Opp Subramanya Swamy Temple, Visvesvarnagar, Mysore 570 008

Mobile : 9448528671, e-mail : HEGDEVHAYPRASAD@licindia.com

Declaration

I Raghavendra V E, hereby declare that this project report on **“A Study on Customer Relationship Management In Life Insurance Corporation Of India - With Special Reference to Branch Number 72A Krishnamurthipuram, Mysuru”** submitted to the University of Mysore, in partial fulfilment of the requirements for the award of the Degree of Post-Graduation in Commerce. It is a record of original and independent project done during the academic year 2021-2022 under the supervision and guidance of Dr. Jyothi A N, Assistant Professor, PG Centre - M.Com, Sarada Vilas College, Mysuru and external assistance by Mr. Vijay Prasad Hegde, It has not formed the basis for the award of any Degree/ Diploma/ Associate Ship or any other similar title to any candidate in any University.


Mr. Raghavendra V E
(CM204110)
P.G Centre- M.Com
Sarada Vilas College, Mysuru

Project Report

On

**“A Study on Customer Satisfaction towards the Professional Courier with
Special Reference to Mysuru Branch”**

**Submitted by
Ranjitha H S
Reg. No: CM204112**

Internal Guide

Ms. Arpitha K
Assistant Professor
Department of Commerce
PG Centre –M.Com
Sarada Vilas College, Mysuru

External Guide

Mr. Uday Shankar N.
Branch Manager

Submitted to

University of Mysore

In partial fulfillment of award of Post Graduate Degree in Commerce (M.Com)
Department of Commerce PG Centre – M.Com
Sarada Vilas College , Mysuru.



SARADA VILAS COLLEGE

Krishnamurthypuram, Mysuru - 570 004

(Affiliated to the University of Mysore)

Reaccredited by NAAC with B+grade (CGPA : 2.70)

E-mail : principal@saradavilas.com, Website : www.saradavilas.com

: **M. Devika**, M.Sc., M. Phil., Ph.D

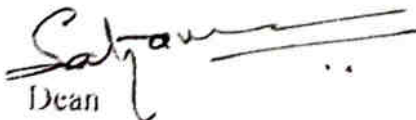
Principal

Mobile : 9880024483

Date: 22.07.2022

Certification

This is to certify that Mis. RANJITHA H S (Reg. No.CM204112) is a bonafide student of PG Centre- M.Com, Sarada Vilas College, studying M.Com final year in the academic year 2021-2022. As a part of her final examination M.Com she has prepared a project report entitled **"A Study on Customer Satisfaction toward the Professional Courier with Special Reference to Mysuru Branch"** under the guidance of Ms.Arptha K , Assistant Professor, PG Centre-M.Com, Sarada Vilas College. Mysuru. I certify that, this project work is her original work and not presented to any other University/Institution for award of any Degree/ Diploma.


Dean
Sarada Vilas College
Mysuru


Principal
Dr. M. Devika
Sarada Vilas College
Mysuru
Principal
Sarada Vilas College,
Krishnamurthypuram, Mysuru

CERTIFICATE

This is to certify that Ms. Ranjitha H.S (Reg.No.CM204112) 4th semester M.Com student of Sarada Vilas College, PG Centre, University of Mysore has undergone the project work on "A Study on Customer Satisfaction toward the Professional Courier with Special Reference to Mysuru Branch" She has completed her project report from 08.04.2022 to 20/07/2022 in our union successfully under the guidance of Mr.Uday Shankar N, Branch Manager. We wish her all the success future Endeavour.

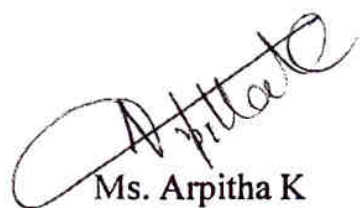
Place: Mysuru

Date: 20/07/2022



Certification from Guide

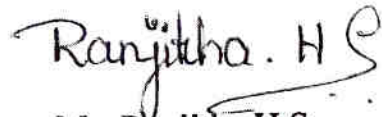
I hereby declare that the project report entitled **“A Study on Customer Satisfaction towards the Professional Courier with Special Reference to Mysuru Branch”** is an authentic record of the bonafide work carried out by Ms. Ranjitha H S. (Reg. No.-CM204112), under my guidance and supervision. This report is prepared and submitted to University of Mysore, Mysuru in partial fulfillment of the P.G course in Commerce (M.Com). She is a bonafide student of M.Com final year at Sarada Vilas College PG Centre-M.Com in the year 2021-2022. This report has not been published or submitted to any other university/Institution for award of any Degree or Diploma.



Ms. Arpitha K
Assistant Professor
Department of Commerce
PG Centre- M.Com
Sarada Vilas College,
Mysuru

Declaration

I Ranjitha H.S hereby declare that this project report on “**A Study on Customer Satisfaction towards the Professional Courier with Special Reference to - Mysore Branch**” submitted to the University of Mysore, in partial fulfillment of the requirements for the award of the Degree of Post Graduation in Commerce. It is a record of original and independent project done during the academic year 2021-2022 under the supervision and guidance of - **Ms.Arptha, K.** Assistant Professor, PG Centre M.Com, Sarada Vilas College, Mysuru and external assistance by **Mr Uday Shankar N**, Branch manager. It has not formed the basis for the award of any Degree/ Diploma/ Associate Ship or any other similar title to any candidate in any University.



Ms. Ranjitha H S
P.G Centre- M.Com
Sarada Vilas College, Mysuru
(CM204112)

SHARADA VILAS COLLEGE

Krishnamurthypuram, Mysuru

DEPARTMENT OF BOTANY

A VISIT TO KUKKARAHALLI LAKE FOR FIELD STUDY

05.08.2021



SUBMITTED BY: B GAYATHRI AJITH

ROLL NO. : M2000721

2ND SEMESTER 1ST YEAR BSC

SARADA VILAS COLLEGE

MYSORE

**SUBMITTED TO :
THE DEPARTMENT OF
BOTANY**

SARADA VILAS COLLEGE

MYSURU

DEPARTMENT OF BOTANY

CERTIFICATE

This is to certify that **Miss. B GAYATHRI AJITH** has participated in the Botany field study and submitted field report as a partial fulfillment of 1st B.Sc, 2nd semester Botany practical examination prescribed by the University of Mysore for B.Sc, degree course during the year 2020-2021.


Signature

Staff in charge

Register no.:- M2000721

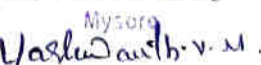
Date:-


Signature

Head of the department

Head of the Department of Botany

Sign of Examiners

Mysore
1. 

2.

ACKNOWLEDGEMENT

Salutation to our beloved and highly esteemed institute, Sarada Vilas College, Krishnamurthypuram, Mysore for grooming us into potential students of Botany.

As per the requirements of 1st year B.Sc. Botany syllabus of University Of Mysore, a visit was arranged to Kukkarahalli Lake by Department Of Botany, Sarada Vilas College, Mysore.

I owe my sincere thanks to our beloved principal and Head of the Department Dr. Devika. M. for providing an opportunity to go for field visit. It is with great reverence, deep sence of gratitude and respect that I would like to thank my esteemed lecturers Captain. R. A. Manjunath and Miss. Gagana S.B. for accompanying us and making it meaningful.

KUKKARAHALLI LAKE

Kukkarahalli Lake is located in the heart of Mysuru city, adjoins Manasagangothri campus (University of Mysore). The Kalamandir and the Central Food Technological Research Institute (CFTRI) campus.

Mummadi Krishnaraja Wodeyar (1794-1868) of the Mysore dynasty was responsible for getting the lake created, in the year 1864, to provide water for irrigation to about 10000 acres of land outside the city. The lake also used to be a source of water supply to the city of Mysore, but over the years, sewage and excessive land encroachment and blockage of water flow source almost led to the eutrophication of the lake. The University of Mysore and citizen forum of Mysore continued their efforts to preserve the lake by implementing several remedial measures.

There is a 4.5km walkway on periphery of the lake with shaded stone benches for visitors to sit, relax and enjoy the scenic beauty of the lake. Algal blooms are formed in the lake due to excess growth of plank tonic algae as a result of water pollution. Surface area of the lake: 150acres. This lake constitutes a part of University of Mysore in a total area of 90acres of which the water spread area itself accounts for 60% of a lake that is 55acres and rest in foreshore.

There is a channel of about 2.5kms length which brings water into the lake. A small butterfly park and facilities for bird watching and flora study is provided for the public. A few islands have been created in the lake and these provide safe place for birds and for other features to roost and nest. Trees and bushes are present along with naturally occurring vegetation. Bougainvillea creepers are seen which gives shade to the visitors. Aquaculture can be seen in the lake.

The beauty of lake has inspired many artists and poets for instance, celebrated author R.K.Narayan, had also written about Kukkarahalli Lake in his autobiography 'My Days'. The lake is not just a place for relaxing; it is popular for its avian fauna as well. About 180 species of birds can be seen here at the lake. During the winter many migratory birds come to this from all around the world such as Siberia.

The lake is known for consisting of more than 400 species of plant belonging to many different families. With an intension of studying rich flora of kukkarahalli lake, we visited the lake with lot of enthusiasm. We assembled at 6am near kukkarahalli lake and started our field study with much interest around 6.30am, we took almost two and half hours time to look pagoda place in kukkarahalli lake and finally we left that place with much of plentiful knowledge at 9am. During our visit to lake we identified nearly 42 plants with the help of our teachers and the some has been listed below along with photographs.



KUKKARAHALLI LAKE

FOLLOWING ARE THE PLANT LISTED DURING FIELD STUDY

1. *Actorus saporta* – Sapotaceae
2. *Agrostis stolonifera*
3. *Atropa belladonna*
4. *Azadirachta indica* – Meliaceae
5. *Bambusa vulgaris* – Poaceae
6. *Brassica nigra*
7. *Bougainvillea spp.* – Nyctaginaceae
8. *Caesalpinia pulcherrima* – Fabaceae
9. *Calotropis gigantia* – Apocyanaceae
10. *Cocus nucifera* – Arecaceae
11. *Cynadon dactylon*
12. *Eucalyptus alba* – Myrtaceae
13. *Ficus benghalensis* - Moraceae
14. *Ficus racemosa* – Moraceae

15. *Ficus religiosa* – Moraceae
16. *Hamelia patens* – Rubeaceae
17. *Hibiscus vitifolius* -Malvaceae
18. *Ipomea carica* – Convolvulaceae
19. *Ixora coccinea* – Rubeaceae
20. *Michelia champaka* – Magoliaceae
21. *Muntingia calabura* – Muntingiaceae
22. *Nerium indicum* – Apocyanaceae
23. *Parthenium hystorophorus* – Asteraceae
24. *Phyllanthus emblica* – Euphorbiaceae
25. *Plumbago zeylanica* – Plumbaginaceae
26. *Plumeria pudica* – Apocyanaceae
27. *Pongamia pinnata* – Fabaceae
28. *Prosopis julifera* – Fabaceae
29. *Rivinia humilis* – Phytolaccaceae
30. *Samanea saman* – Fabaceae
31. *Sansevieria spp.* - Asparagaceae

- 32. *Sphaniticola trilobata*
- 33. *Solanum xanthocarpum* – Solanaceae
- 34. *Solanum atropurpureum* – Solanaceae
- 35. *Sonchus spp.* – Asteraceae
- 36. *Spathodea companulata* – Bignoniaceae
- 37. *Tamarindus inidica* – Fabaceae
- 38. *Tectona grandis* – Verbenaceae
- 39. *Typha angustifolia* – Typhaceae
- 40. *Wedelia trilobata* – Asteraceae
- 41. *Zizipus jujuba* – Rhamnaceae
- 42. *Melinis repens*
- 43. *Acacia senegal*



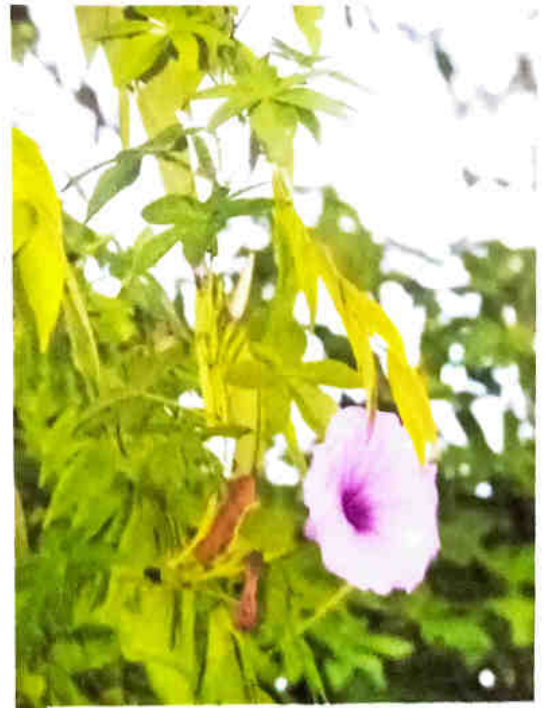
Bougainvillea glabra



Caesalpinia pulcherrima



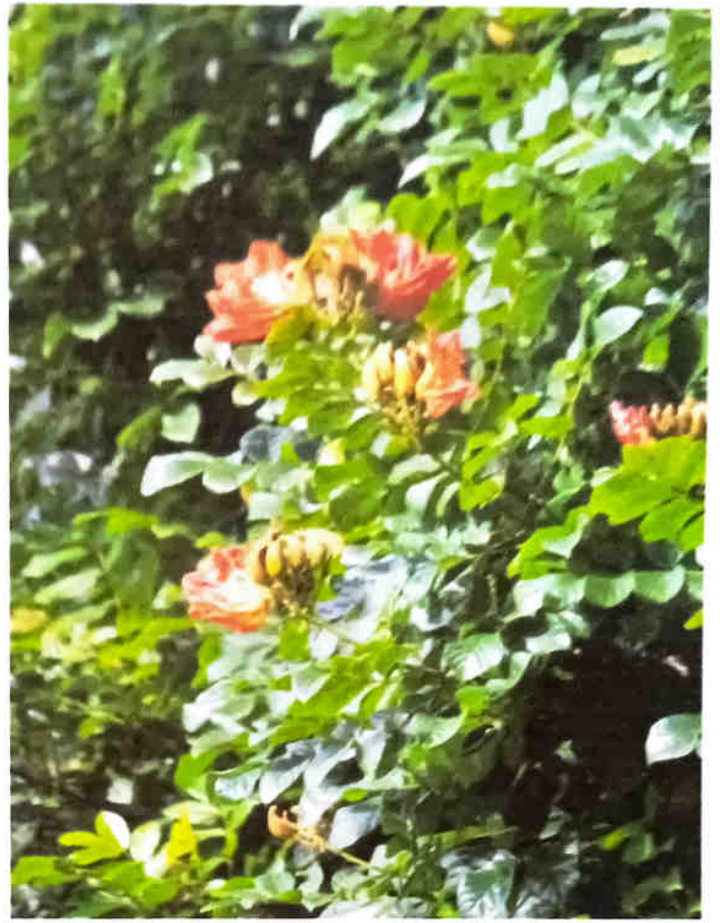
Passiflora foetida



Ipomea carica



Calotropis gigantea



Plumeria pudica



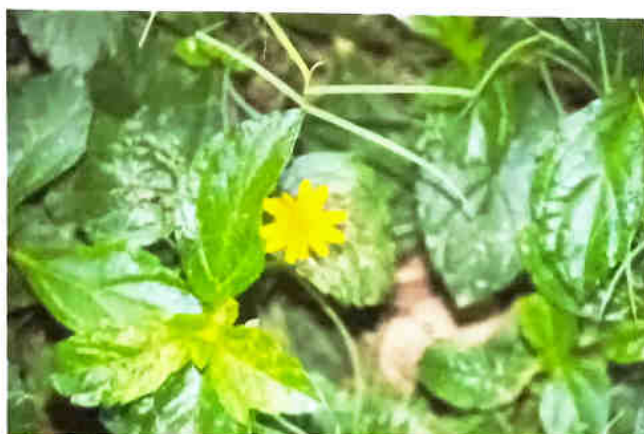
Sansevieria spp.



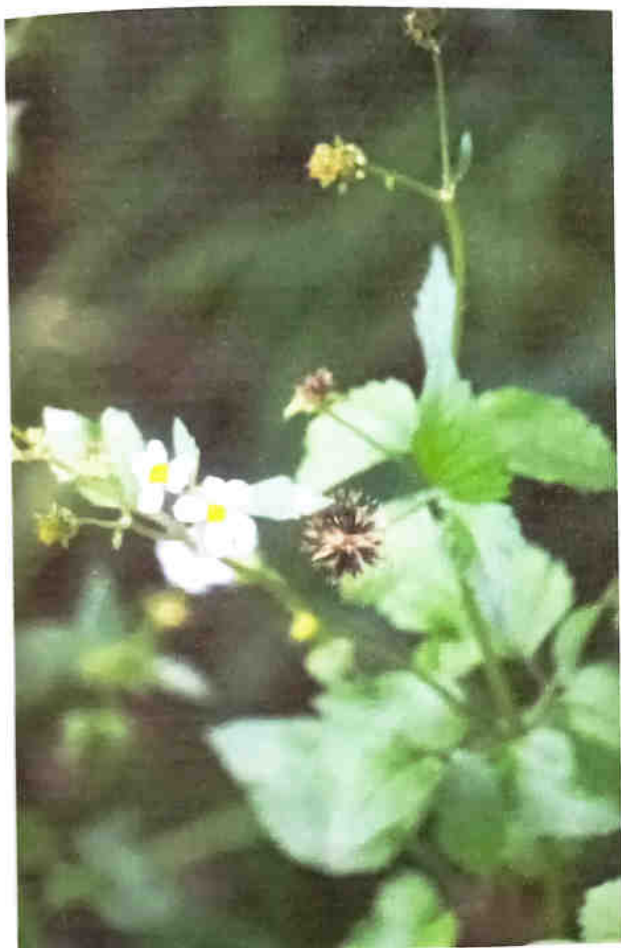
Hamelia patens



Plumbago zeylanica



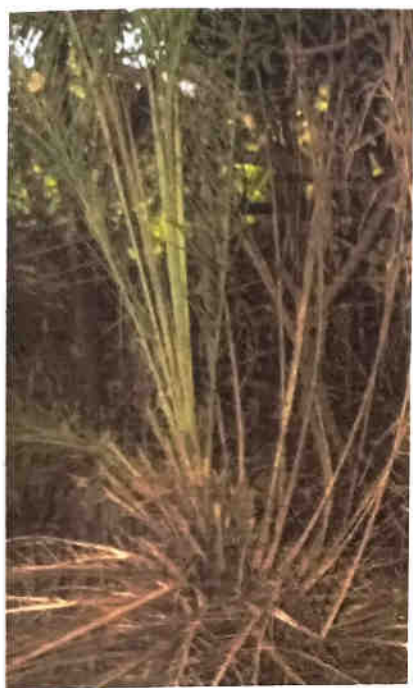
Chrysanthemoides monilifera



Bidens alba



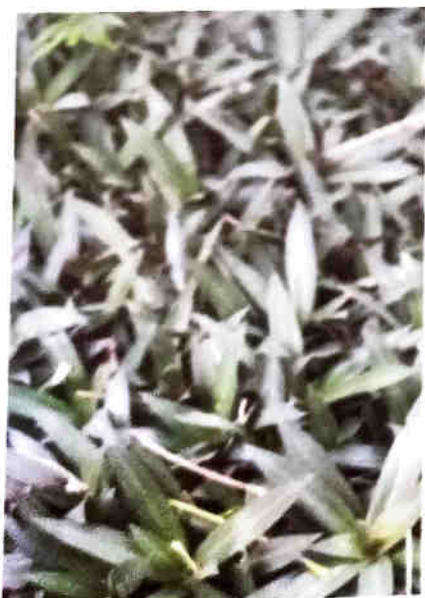
Typha angustifolia



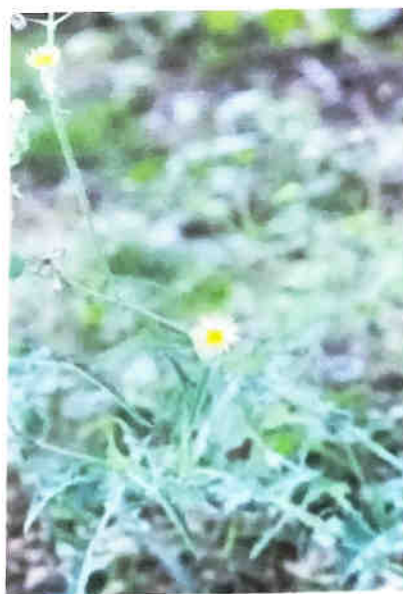
Phoenix dactylifera



Croton bonplandianus



Tradescantia spathecea



Sonchus spp.



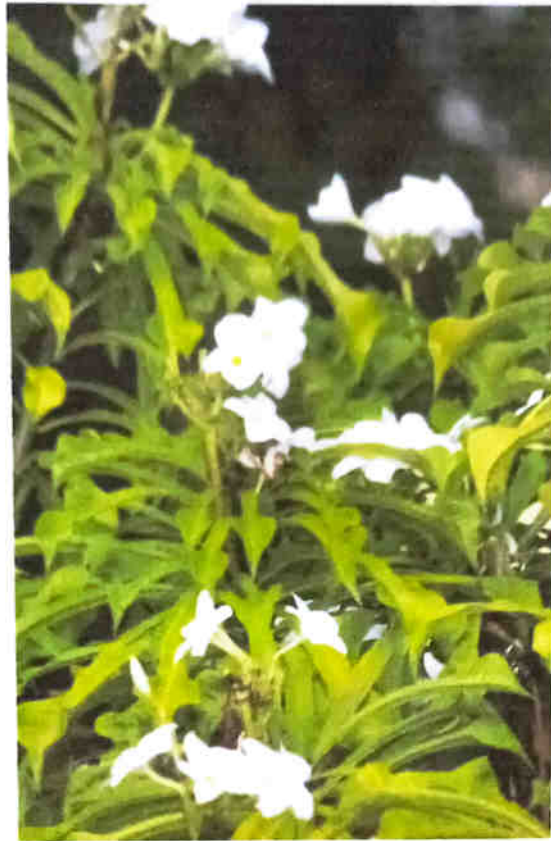
Acacia senegal



Melinis repens



Acacia crassicarpa



Plumeria pudica



Sanseiviera spp.

CONCLUSION

The goal of this project was to document the different plants species along with their families. We are happy that we could do it because this field study helped us to know the plants practically with their scientific names and characters. We thank our teachers for giving us this opportunity and giving enormous information regarding flora of Kukkarahalli Lake.

We left the place by 9.30am after our fruitful visit to Kukkarahalli lake with happiness and contentment of having studied flora of the lake.

**SARADA VILAS COLLEGE
KRISHNAMURTHY PURAM, MYSORE-04
DEPARTMENT OF BOTANY
2020-2021**

FIELD VISIT TO DEPARTMENT OF HORTICULTURE, GOVT. OF KARNATAKA.



FIELD VISIT TO KUKKARAHALLI LAKE, DEPARTMENT OF BOTANY



From,
Dr. Devika. M
Head of the Department of Botany
Sarada Vilas College
Mysuru

Date:04-08-2021

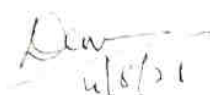
To,
The Principal
Sarada Vilas College
Mysuru
Madam,

Sub: Permission to take students for a visit to Kukkarahally Lake

The University of Mysore has prescribed the second semester Botany students of B.Sc. course for a field trip to local areas to study the flora and update their knowledge in the field of botanical sciences. Hence I request you to permit 48 students and one accompanying staff of our department to go for the visit on 5th August 2021.

Thanking you

Yours sincerely





SARADA VILAS COLLEGE

KRISHNAMURTHYPURAM, MYSURU
DEPARTMENT OF BOTANY

REPORT ON FIELD VISIT



PLACE VISITED: DEPARTMENT OF HORTICULTURE, KUKKARAHALLI DIVISION, MYSURU
ON 23RD OF DECEMBER, 2021

SUBMITTED BY,
ADITHYA BHARADWAJ. N.,
'V' SEMESTER, [CBZ]
REG NO: M1900442
SARADA VILAS COLLEGE, MYSURU

SUBMITTED TO,
DEPARTMENT OF BOTANY,
SARADA VILAS COLLEGE,
MYSURU

SARADA VILAS COLLEGE

KRISHNAMURTHYPURAM, MYSURU

DEPARTMENT OF BOTANY

CERTIFICATE


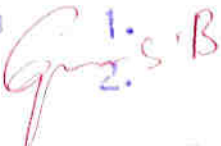
This is to certify that Mr. ADITHYA BHARADWAJ. N. has participated in the Botany Field Study and has submitted field report as a practical fulfilment of III year B.Sc. V semester Botany practical examination prescribed by the University of Mysore for B.Sc. degree course during the year 2021-2022.


SIGNATURE OF THE
BATCH IN-CHARGE


SIGNATURE OF THE
HEAD OF THE DEPARTMENT

Head of the Department of Botany
Sarada Vilas College
Mysore

- REGISTER NO.: M1900442
- DATE: 04/02/22

SIGNATURE OF
YEAR OF EXAMINERS
1) 
VALUED
2) 

ACKNOWLEDGEMENT

Under the prescribed syllabus of University of Mysore, we the students of Bachelor in Science of fifth semester were required to have a field visit programme to explore our knowledge in plant propagation techniques and their practical approach. It was our great pleasure to visit Department of Horticulture, Kukkarahalli division, Mysuru on 23rd of December, 2021 to acquire practical knowledge of plant propagation.

We would like to express our sincere thanks and gratitude to the Department of Botany, Sarada Vilas College for providing such a great opportunity to make ourselves more familiar to the propagational techniques used in Horticulture.

We would like to extend our gratitude to Dr. M Devika, Principal and Head of the Department, Botany, Sarada Vilas College for granting permission and for overall support.

We are also thankful for Mr. Prakash, Assistant Director at Horticulture Department, Kukkarahalli division, Mysuru for his support and encouragement.

Our heartfelt thanks to Mrs. S. B. Gagana and Mr. Yashwanth V. M., Faculties, Department of Botany for their support, interest and guidance during entire field visit with their suggestions and encouragement in this field report writing.

DEPARTMENT OF HORTICULTURE, KUKKARAHALLI DIVISION

Horticulture is a significant and upcoming sector in Karnataka. Horticulture has proved to be the best diversification option for agricultural land use, because of assured and the remunerative returns to the farmers. Horticultural crops are highly remunerative. The diverse agro-climatic conditions prevailing in the state are quite congenial for growing different horticulture crops, successfully, almost throughout the year with also high demand.

With all these developments that are taking place, the horticulture in the state has opened new vistas of hopes and bright future for the farmers of the state. The Department of Horticulture is responsible for the overall development of horticulture in the state. The department is adopting a definite policy for the development of horticulture, covering the various mandates.

Here in Mysuru, Department of Horticulture, Kukkarahalli division is situated at a pleasant area, adjacent to Kukkarahalli Lake and University of Mysore. A very advanced and famous Mushroom cultivation Lab has also been established at the same premises.

We the students of V semester visited the farm around 2 PM with our lecturers and gained enormous knowledge by the resource persons who were also the employees of the department.



ಕುಕ್ಕರಾಹಳ್ಳಿ ವಿಭಾಗ
ತೋಟಗಾರಿಕೆ ಇಲಾಖೆ
ತೋಟಗಾರಿಕೆ ಜಂಟಿ ನಿರ್ದೇಶಕರ ಕಛೇರಿ,
ಮೈಸೂರು ವಿಭಾಗ
ಕುಕ್ಕರಾಹಳ್ಳಿ ತೋಟಗಾರಿಕೆ ಕ್ಷೇತ್ರ, ಮೈಸೂರು

The presence of plants on earth is essential for the survival of the animal kingdom. Very two important functions of plants are to provide us food material, and to replenish the supply of oxygen for breathing. In addition, plants supply us fuels (including fossil fuels such as coal, oil and gas), timber, drugs and medicines, latex, waxes, essential oils and perfumes. Apart from this, they prevent soil erosion and are the sole energy source for the entire ecosystem that binds together various plants and animal forms in a given environment. Agriculture began about 10,000 years ago when ancient people started domesticating certain plants growing around them. Rapidly growing vegetables and cereals which produce a crop within one season were the first plants to be cultivated. During the progress of civilization, many more plants were selected for food and other purpose. Several hundred plants yielding food, drugs and medicines, spices, perfumes, etc. are included in the list of cultivated plants. With the development of modern plant breeding techniques in recent years, newer and better types of cultivars came into cultivation. the selected plants are to be propagated in such a manner, that they can maintain their desirable characteristics without any appreciable change. The most obvious and direct approach to the selection and maintenance of superior plant forms is the adoption of the vegetative method of propagation.

The Demonstration of Plant propagation techniques in this field visit were informative to us. Rather than gaining only theoretical knowledge, we came across practical applications of those techniques. We were guided by Assistant Director at Horticulture Department and Demonstration was given by the employees of Department of Horticulture, Kukkarahalli division, Mysuru.

Listed below are the various ways of propagating plants that are used now a days.

(A) Propagation by apomictic embryos: *Citrus*, mango

(B) Propagation by separation:

1. Bulbs: onion, hyacinth, lily, tulip
2. Corms: *Gladiolus*, *Crocus*, *Freesia*

(C) Propagation by division

1. Stem tubers: potato
2. Tuberous roots: sweet potato, *Dahlia*, *Canna*, turmeric
3. Rhizomes: *Iris*, ginger

(D) Propagation by suckers: pineapple, blackberry, *Chrysanthemum*

(E) Propagation by runners: strawberry

(F) Propagation by cuttings

1. Stem cuttings
 - (a) Hardwood: grape, fig, pomegranate, rose, willow,
 - (b) Semi-hardwood: lemon, *Rhododendron* poplar
 - (c) Softwood: *Lilac*, azalea, holly, juniper
 - (d) Herbaceous: *Dahlia*, *Begonia*, *Coleus*, *Chrysanthemum*
2. Leaf cuttings: *Begonia rex*, *Sansevieria*, African violet, *Bryophyllum*
3. Leaf-bud cuttings: blackberry, *Kalanchoe*
4. Root cuttings: blackberry, guava, apple

(G) Propagation by layering:

1. Tip layering: black raspberry, trailing blackberry
2. Simple layering: *Bougainvillea*, grape, various ornamental climbers
3. Mound or stool layering: apple rootstocks, gooseberry, guava
4. Air-layering guava, litchi, rubber
5. Compound or serpentine layering: American grape, *Clematis*
6. Trench layering: apple rootstocks, cherry,

(H) Propagation by grafting

1. Root grafting: apple, pear
2. Stem grafting
 - (a) Whip and tongue: different fruit plants
 - (b) Wedge or Cleft: Avocado, apple, pear, plum, *Camellia*
 - (c) Bark different fruit plants
 - (d) Side grafting: mango, avocado, junipers
 - (e) Approach grafting or inarching: mango, sapota, litchi, guava
 - (f) Top-working: mango, Ber, mulberry
 - (g) Bridge grafting various fruit trees

(I) Propagation by budding

1. T-budding: rose, *Citrus*, stone fruits, Ber
2. Patch budding: walnut, mango
3. Chip budding: mango, grape
4. Ring budding: peach, plum, Ber, mulberry

DEMONSTRATED TECHNIQUES

We were able to observe the following techniques in the field visit organized by our college to Department of Horticulture, Kukkarahalli division, Mysuru.

- **WEDGE GRAFTING:**

Wedge grafting was done in Butter fruit plant. Terminal portion of the stock plant was removed with a horizontal cut. Stock is split vertically, 3-4cm deep. Scion which was soaked in Bavistin solution (Fungicide) for 15 minutes was cut into a "V" shaped wedge. Scion was inserted into the stock, with care. Stock and scion are tied together with polyethene strip and grown under shade to avoid overheating.



- **WHIP GRAFTING:**

A slant cut was made at the upper end of the stock and lower end of the scion and By placing these cuts against each other, they had to line up well, having the same angle and a straight, not wavy, face. When placed against each other, there should not be air gaps or exposed inner wood. Grafts were kept in Polyhouse for controlled condition.



- **TRANSPLANTATION:**

We observed the technique 'Transplantation'. An empty pot was taken and placed a de-potted Snake plant (*Sansevieria*) inside it and filled the pot with fertilizer treated soil using trowel instrument. Here we observed two processes such as De-potting and Re-potting which sums up as 'Transplantation'.



- **NURSERY BED PREPARATION:**

We were also able to observe Nursery Bed preparation of Coconut. Demonstrator placed Coconuts adjacently in a long and narrow bed (Cypermethrin 0.25 DP, Insecticide treated trench) of 25cm deep and 1 ft width. After placing Coconuts, the soil was dragged above these coconuts and the bed was prepared.

- **STEM CUTTING:**

We learnt stem cutting technique of semi-hardwood plant. (Here Garden Croton was used.) A plant twig approximately of 10-15 cm is cut slantly on upper end and flat on lower end. The cut twig is then treated with additional growth hormones before planting to small Polyethene bags for further root growth.



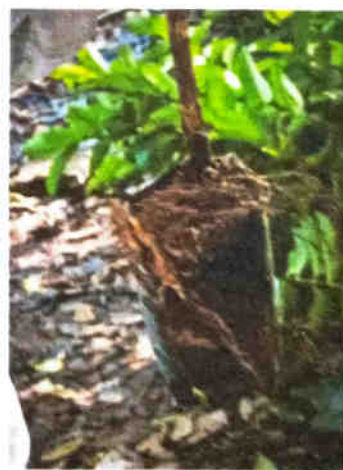
- **Approach Grafting:**

Hibiscus plants were used to demonstrate Approach Grafting. Rootstock plant was in ground and scion plant was potted in a polyethene bag. Both were brought close together to find most comfortable point of contact. At that point, both rootstock and scion skinned out and then the skinned surfaces were brought together so that they cover each other completely by overlapping. They were then tied with polythene tape. The union would be ready after 4 weeks. After successful union, the rootstock above the union and scion below the union are cut.



- **Simple or Trench Layering:**

A lower branch of Guava plant was bent towards earth and marked the specific point of contact. That point was skinned out and bent again towards a polyethene bag with soil kept on land. The contact point was covered by soil and then put a stone weight to hold that branch downwards. The root would grow within 3 months. After root growth, the branch with newly formed root is cut separated from main plant. Then it is ready to be planted as an independent plant.



- **Air Layering:**

A branch was separated from Garden croton main plant and was skinned out as a ring in bark for 2cm in length using budding or grafting knife. A polyethylene sheet was tied at one side to cover the skinned out portion and proper substrate (soil with Coco Pet and pest control powder and sand) was filled into the cone like space made of the tied polyethylene sheet. The upper end was also tied and left for root formation. The root would grow within 3 months. After Root growth, the branch with newly formed root is cut separated from main plant. Then it is ready to be planted as an independent plant.



- **Seed Planting:**

Areca seeds were soaked before planting. Soil was treated with Trichoderma powder or fungicides and filled to Polyethene bags. Then soaked Areca seeds were planted in the bags and kept together and paddy straws were covered above the bags. (mulched above the polyethene bags having seeds.)



CONCLUSION

Learning science from first-hand information through observations at the field is much important in making the subject more understanding and interesting. Such field visits are useful as they treat students with the necessary experience that can not be imitated within the laboratory setting. Thus the visit for field study at Department of horticulture, Kukkarahalli division was delightful and played greater role for us to learn more about different plant propagation techniques in Horticulture field with practical approach.

**SARADA VILAS COLLEGE
KRISHNAMURTHY PURAM, MYSORE-04
DEPARTMENT OF BOTANY**

2020-2021

FIELD VISIT TO DEPARTMENT OF HORTICULTURE, GOVT. OF KARNATAKA.



FIELD VISIT TO KUKKARAHALLI LAKE, DEPARTMENT OF BOTANY



Dr. M. Davika
M.Sc. M.Phil.
Principal
Sarada Vilas College
Krishnamurthy Puram, Mysore

From,
Dr. Devika. M
Head of the Department of Botany
Sarada Vilas College
Mysuru

Date:23-12-2021

To,
The Principal
Sarada Vilas College
Mysuru
Respected Madam,

Sub: Permission to take students for a visit to Department of Horticulture, Govt. of Karnataka, Kukkarahalli division.

The University of Mysore has prescribed the V semester Botany students of B.Sc. course for a visit to plant nursery and Horticulture department to study plant propagation techniques as part of their curriculum. Hence I request you to permit 38 students and two accompanying staff of our department to go for the visit on 23rd December 2021.

Thanking you

Yours sincerely


Principal
Sarada Vilas College
Mysore - 570 004



SARADA VILAS COLLEGE

KRISHNAMURTHYPURAM, MYSURU

DEPARTMENT OF ZOOLOGY

REPORT ON FIELD VISIT

PLACE VISITED: GOVERNMENT VETERINERY HOSPITAL, MYSURU

ON 21ST OF JANUARY, 2022



SUBMITTED BY,

PURUSHOTHAM M.R

'V' SEMESTER, [CBZ]

REG NO:M1900538



1. *[Signature]*
2. *[Signature]*
EXAMINERS 12.02.22

SUBMITTED TO,

DEPARTMENT OF ZOOLOGY,
SARADA VILAS COLLEGE,
MYSURU

SARADA VILAS COLLEGE

KRISHNAMURTHYPURAM, MYSURU

DEPARTMENT OF ZOOLOGY

CERTIFICATE

This is to certify that Mr./Ms. PURUSHOTHAM M.R.

has participated in the Zoology Field Study and has submitted field report as a practical fulfilment of III year B.Sc. V semester Zoology Practical Examination prescribed by the University of Mysore for B.Sc. degree course during the year 2021-2022.



SIGNATURE OF THE

BATCH IN-CHARGE



SIGNATURE OF THE

HEAD OF THE DEPARTMENT

- REGISTER NO.: M1900538
- DATE:

SIGNATURE OF

EXAMINERS

1.



2.



ACKNOWLEDGEMENT:

“Education’s purpose is to replace an empty mind with an open one.” — a quote by **Malcolm Forbes** is best apted to highly esteemed institute Sarada Vilas College , Mysuru. Which works hard in creating a scientific temper and modern trends occurring in society into the tender minds of its students. As per the prescribed syllabus of the University of Mysore for V semester, Bachelor of Science Zoology students, A clinical field visit to government veterinary hospital located at Ashokapuram, Mysuru was arranged by the Department of Zoology, Sarada Vilas College, Mysuru, to educate about modern aspects of reproduction.

Our heartfelt thanks to Dr. M. Devika, Principal, Sarada Vilas College, Mysuru for granting us permission. Our warmth thanks to Dr. Thimmayya, Health officer for educating us about current trends of reproduction. With delightful pleasure we would like to thank Mrs. Shakuntala, Head of the Department Zoology for taking decision of arranging a field visit to gain practical knowledge. Also our gratitude extends to, Ms. Jyotsna V. Madhu and Ms. Gowri A. Hoysala who steered gently till the completion of goal.

INTRODUCTION TO GOVERNMENT VETERINARY HOSPITAL, ASHOKAPURAM, MYSURU.

The department of Animal Husbandry Veterinary Services started functioning independently from 1945. The department is playing a vital role in providing healthcare services to livestock, extension and training to farmers, implementation of socioeconomic programs, conducting sample survey and Animal census programs periodically in the State. Veterinary Institutions across the State are divided into four categories in order to provide better system of services:

- Veterinary Hospital
- Veterinary Dispensary
- Mobile Veterinary Service
- Primary Veterinary Centre

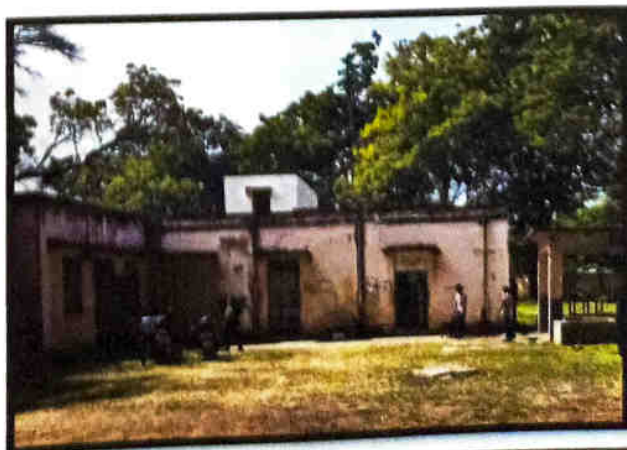
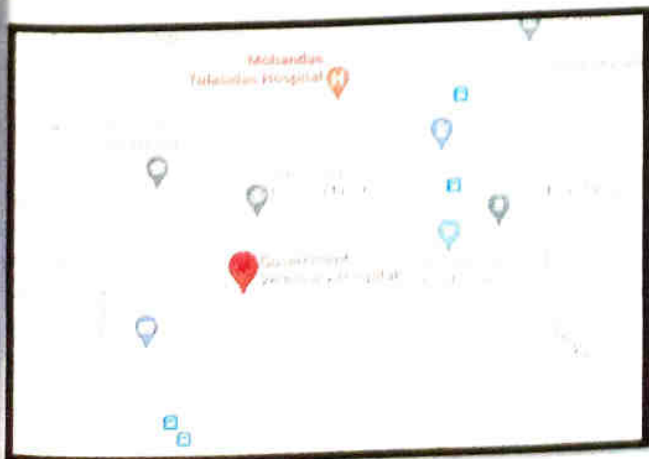
Departmental veterinary institutions are well equipped and having trained staff. Along with treating the ailing animals, vaccination against various diseases is carried out as a preventive measure. Mobile Veterinary Service operating in the State is providing veterinary healthcare services to the livestock of those farmers living in villages where veterinary institutions are not present.

Government Veterinary Hospital, here at Ashokapuram was established on 21st of June, 1951. Since then it is serving as role model for rest of the veterinary treatment section of the city. Dr Thimmaiah, Health Officer of this division is well-known for his great work and also, In this hospital, there are very obliging staff members.

Farmers and owners of domestic and pet animals are getting benefited from the services of this hospital round the clock. All sort of diseased, injured, and weak animals are brought here, where the treatment is duly given by the efficient staff of the hospital.

On an average, everyday they attend almost more than 5 artificial insemination cases of cattle, 10-15 Dog cases, 10-12 birds' cases like Cock, Hen, Pigeons and they treat cats also. On every Thursday they organize vaccine drives.

People here are very approachable, they will listen to costumer carefully and will reply accordingly. They have good patience to listen and reply. They also give training on poultry.



STERILIZATION BEFORE ARTIFICIAL INSEMINATION

Knowledge about different procedures for cleaning and sterilization of equipments used in artificial insemination is very important for achieving high conception rates in bovine. It is necessary to store all the insemination equipment in a clean container.

CLEANING

Immediately after use of all A.I equipments should be washed thoroughly with water. Semen/egg yolk adhered in the capillaries of A.I catheter or other glass wares get dry after a mean time then it is difficult to clean the glass wares. After doing A.I, catheters should be washed in running tap water to clean the remaining semen in the catheter. Glass wares may then be put in chromic acid solution for overnight dip to remove cloudiness in the glass wares. Application of corrosive substances should be avoided on substances like rubber-wares, it reduces the life span of rubber wares. All the equipments then washed with lukewarm soap solution using brush to make the articles grease free. Finally all the equipments are then washed with running tap water and put inverted for air dry.

Artificial vagina should be thoroughly washed using lukewarm detergent solution and brush. No need of separating the inner rubber lining from hard rubber cylinder while washing artificial vagina.

STERILIZATION

Sterilization is either physical or chemical treatment to eliminate microbes from the equipments. Unsterilized equipments may be the source of infection to female genital tract. Micro-organisms present in the semen reduce the life span of semen in the female reproductive tract. Sterilization of equipments should be done at all stages (Buffers, Semen dilutors, Semen storage & A.I) without negligence.

DRY HEAT STERILIZATION

Generally preferred for glass wares & metallic wares. Dry heat sterilization process is easy & rapid and all the organisms are susceptible to dry heat sterilization. The pathogenic bacteria, viruses and fungi are killed within few minutes at 50-70°C and the spores of various pathogens are killed at 100°C. It is a common practice to sterilize all glassware and metallic wares in hot air oven at 180-200°C for 1 hour.

AUTOCLAVING

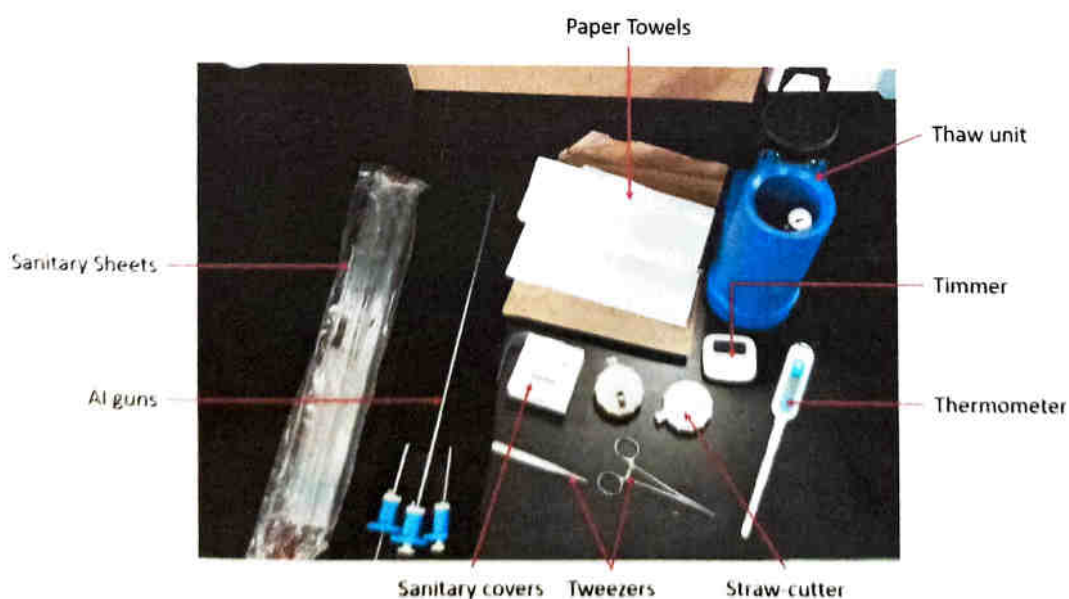
Sterilization by autoclaving is a very popular method. The rapid action of sterilization by autoclaving is mainly due to latent heat of water vapor (540cal/gm). All rubber articles and artificial vagina may be autoclaved at 10 lb. (4kg) pressure at 115.6°C for 20 minutes. Avoid high pressure, it would spoil and change the shape of such articles. Other articles including buffer solutions and Vaseline may be autoclaved at 17 lb. (7kg) pressure at 121°C for 15-20 minutes. Autoclaving is not suitable for solutions containing sugars, because it destroys sugars. Sterilized articles must be stored at air tight cabinets and buffer solutions after autoclaving, should be cooled down to room temperature and should be stored in refrigerator for use.

ULTRAVIOLET RADIATION

Ultra-violet adsorption of bacteria is chiefly by purines and pyrimidines of nucleic acids and less to aromatic rings of proteins. Absorption of ultra-violet radiation causes lethal effect to nucleic acids & proteins. Semen processing lab should have low pressure mercury vapor lamps for sterilization purpose.

GASEOUS STERILIZATION (ETHYLENE OXIDE)

Ethylene oxide is an effective sterilizing agent at lower temperature with good penetrating power under less desirable effects. It is used to sterilize heat labile & moisture sensitive objects like rubber, plastic wares & electronic items. Well cleaned & washed plastic wares are put in polythene bags and sealed it then sealed bags are sterilized in Ethylene oxide chamber.



INSTRUMENTS USED IN A.I PROCESS

ARTIFICIAL INSEMINATION

Artificial Insemination is the technique in which semen with living sperms is collected from the male and introduced into female reproductive tract at proper time with the help of instruments.

The first scientific research in artificial insemination of domestic animals was performed on dogs in 1780 by the Italian scientist, Lazzaro Spallanzani. His experiments proved that the fertilizing power reside in the spermatozoa and not in the liquid portion of semen. Few further studies under research station conditions helped this technique to be used commercially all over the world including India

SYMPTOMS OF HEAT

- The animal will be excited condition. The animal will be in restlessness and nervousness.
- The animal will reduce the intake of feed.
- Frequent maturation (urination) will be observed.
- Clear mucous discharge will be seen from the vulva, sometimes it will be string like the mucous will be seen stick to the near the pasts of vulva.
- Swelling of the vulva will be seen. Congestion and hyperaemia of membrane.
- The tail will be in raised position
- Milk production will be slightly decreased
- On Palpation, uterus will be turgid and the cervix will be opened

SEMEN COLLECTION METHODS AND EVALUATION

Various methods of collection of semen have been devised from time to time. The older unsatisfactory methods have been gradually replaced by the new modern techniques. There are three common methods.

- Use of artificial vagina
- By Electro-stimulation method.
- By massaging the ampullae of the ductus deferens through rectal wall.

The ideal method of semen collection is use of artificial vagina which is safe for sire and the collector also.

ARTIFICIAL VAGINA METHOD

It is the semen collection by AV in cattle and Buffalo. It is the best method and is now commonly used. The artificial vagina has heavy hard rubber, open at both end with a nozzle for air and water in and outlet, rubber liner, semen receiving cone.

PROCEDURE FOR SEMEN COLLECTION

Prior to collection all these parts are cleaned, sterilized and assembled into artificial vagina.

The artificial vagina assembled is held at 45° angle from the direction of penis. The artificial vagina is held with the left hand by a right handed person; and when the bull mounts the cow, the sheath of the bull will be guided by the operator, directing the gland penis into the artificial vagina, and then the bull gives a thrust to ejaculate.

SEMEN STORAGE

Liquid nitrogen method (-320 degrees F).

The straws were stored in two types of canister; commercial canister (342.25π x 278 mm²) and custom-made tubing-type canister (4π x 90 mm²). The depth of liquid nitrogen tank used was between 320 to 350 mm. The level of the liquid nitrogen on the cylinder was filled and maintained as minimum as 50 mm above the top of the canister during the storage period. A bundle of straws was stored in commercial canister and one straw per tubing-type canister. Total of twenty-four 0.25 mL straws were used; eight straws in the commercial canister, eight in upper tubing-type canister and eight in the bottom of tubing-type canister.

INSEMINATION METHODS

There are different methods of insemination in different species of animals i.e. speculum method, vaginal method and recto vaginal method.

Recto Vaginal Method

- In cattle the safe and best method of insemination is "Recto vaginal method of insemination".
- Cow which is in heat is well controlled placing it in a Travis.
- The inseminator will get ready by wearing a plastic apron, gumboots and gloves.
- The semen straw after thawing (keeping the semen straw in warm water for a minute to convert the frozen semen into liquid and the sperms become motile) is loaded in sterilized gun covered with plastic sheath
- The inseminator will insert the gloved left hand into the rectum after applying the soft soap or other lubricant on the glove and back raked the animal, and the hand is further inserted and will catch hold the cervix through rectal wall.
- The A.I gum loaded with semen straw is passed through the vulva to vagina and cervix and observed with the hand in rectum that the A. I gum reaches the cervix, then the semen is deposited by injecting the gun, and after depositing the semen the gun is removed, the empty straw and sheath are discarded.

Spectrum Method

- In this method, spectrum is placed in the vagina of the cow, which provides passage outside to the site of insemination, then inseminating tube is passed through the speculum and semen is deposited at the cervix.

Vaginal Method

- Hand is passed through the vagina and the inseminating tube is guided by hand to the site of insemination and semen is deposited. Here there is a risk of contamination and injury of female genitalia.

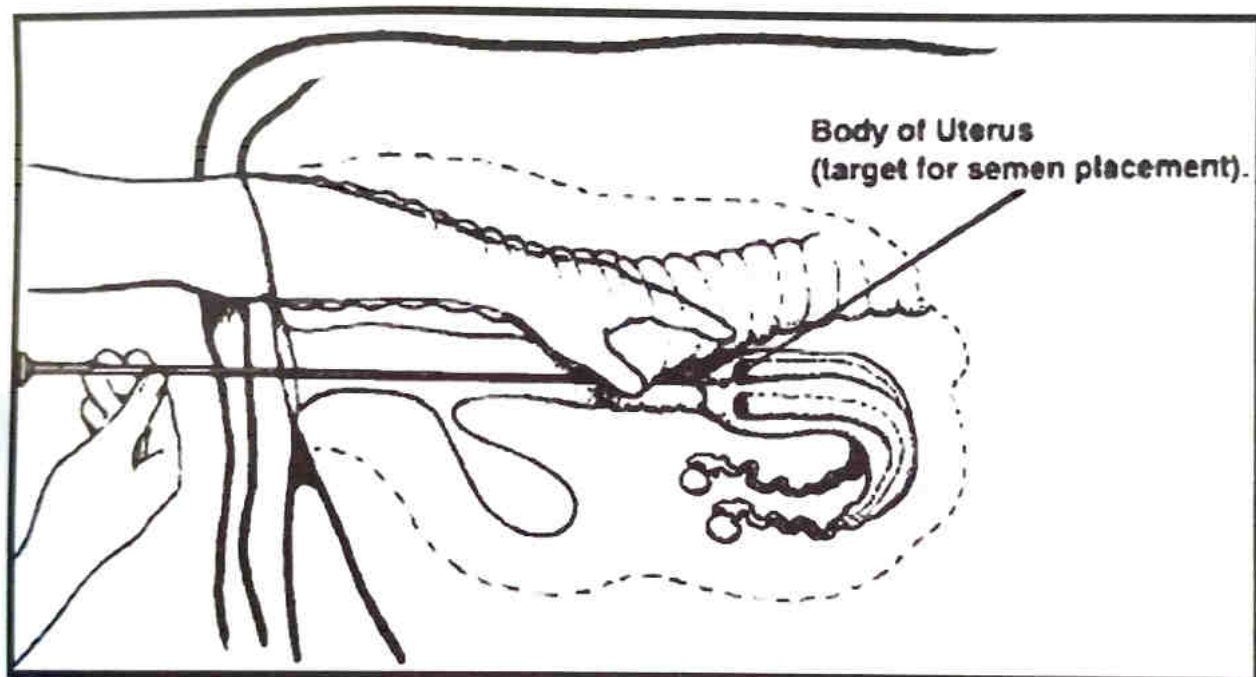
PHOTO GALLERY



EQUIPMENTS AND LIQUID NITROGEN SEMEN COLLECTION CONTAINER



RECTO-VAGINAL METHOD OF ARTIFICIAL INSEMINATION



RECTO-VAGINAL METHOD OF ARTIFICIAL INSEMINATION



ADVANTAGES OF ARTIFICIAL INSEMINATION

There are several advantages by artificial insemination over natural mating or servicing.

- There is no need of maintenance of breeding bull for a herd; hence the cost of maintenance of breeding bull is saved.
- It prevents the spread of certain diseases and sterility due to genital diseases: contagious abortion, vibriosis.
- By regular examination of semen after collection and frequent checking on fertility make, early detection of inferior males and better breeding efficiency is ensured.
- The progeny testing can be done at an early age.
- The semen of a desired size can be used even after the death of that particular sire.
- The semen collected can be taken to the urban areas or rural areas for insemination
- It makes possible the mating of animals with great differences in size without injury to either of the animal.
- It is helpful to inseminate the animals that refuse to stand or accept the male at the time of oestrus.
- It helps in maintaining the accurate breeding and cawing records.
- It increases the rate of conception
- Old, heavy and injured sires can be used.

DISADVANTAGES OF ARTIFICIAL INSEMINATION

- Requires well-trained operators and special equipment.
- Requires more time than natural services.
- Improper cleaning of instruments and in sanitary conditions may lead to lower fertility.
- If the bull is not properly tested, the spreading of genital diseases will be increased.
- Necessitates the knowledge of the structure and function of reproduction on the part of operator.

CONCLUSION

Field trips are useful as they proffer students with the necessary experience that cannot be imitated within the laboratory setting. We affirmed that, this trip to Government Veterinary hospital, Ashokapuram, Mysuru was tremendously optimistic experience for us which helped us to know about Artificial insemination in cattle with more practical approach. The aim of learning the Modern artificial technologies involved in reproduction of cattle was successfully accomplished with enthusiasm among the students.


This Field trip also helped us to know about the behavior of cattle during their oestrous period and the level of artificial injected hormone impact on them.

Our warmth thanks to the beloved faculty of Department of Zoology, Sarada Vilas College for creating an opportunity to gain enormous information with practicality regarding the advanced reproductive technologies in cattle.

**SARADA VILAS COLLEGE
KRISHNAMURTHY PURAM, MYSORE-04
DEPARTMENT OF ZOOLOGY
2020-2021**

FIELD VISIT TO GOVT. VETERINARY HOSPITAL, Krishnamurthy puram, mysuru




Dr. M. Devika
M.Sc., M.Phil., Ph.D.
Principal
Sarada Vilas College,
Krishnamurthypuram, Mysuru

From,
Shakunthala
Assistant Professor and Head
Department of Zoology
Sarada vilas college
Mysuru

To,
The Principal
Sarada Vilas College
Mysuru

Respected madam,

Sub: Seeking permission to take Final year (V Semester) CBZ students to study Artificial insemination in Government Veterinary hospital, Krishnamurthypuram Mysuru on 21 January

2022.

I request you to permit 38 students of V semester B.Sc. CBZ accompanied by me and two other teaching faculties of the Department to visit Government Veterinary hospital, Krishnamurthy Puram, Mysuru to study Artificial insemination on 21 January 2022. This field study is compulsory prescribed in the syllabus of V Semester CBZ of Mysore University and students have to submit a report. It would be a great learning experience.

Thanking you

Date - 21/01/2022

Place - Mysuru

Your's sincerely


Head of Dept of Zoology
Sarada Vilas College
MYSORE

permitted
Kan
21/1/22

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SARADA VILAS COLLEGE

Krishnamurthypuram , Mysuru

DEPARTMENT OF ZOOLOGY



SUBMITTED BY,

Sangeetha.MP

CBZ - VI Sem

M1809515

Roll no: 8103

SUBMITTED TO,

DEPARTMENT OF ZOOLOGY

SARADA VILAS COLLEGE



SARADA VILAS COLLEGE
MYSURU

DEPARTMENT OF ZOOLOGY

CERTIFICATE

This is to certify that Mr/Ms Sangeetha.MP has participated in the Zoology field visit and submitted field report as a partial fulfilment of III year BSc CBZ, VI semester Zoology practical examination prescribed by the University of Mysore for B.Sc CBZ degree course during the year 2020-2021.


Signature of Examiner

Sangeetha.MP
signature


Head of the Department
Head of the Dept. of Zoology
Sarada Vilas College
MYSORE

ACKNOWLEDGEMENT

Salutation to our beloved and highly esteemed institute, Sarada Vilas College, Krishnamurthypuram, Mysuru for grooming us into potential students of Zoology .

As per requirements of final year B.Sc. Zoology syllabus of University of Mysore, a visit was arranged to Karnataka State pollution Control Board, Mysuru by The Department of Zoology, Sarada Vilas College, Mysuru.

I owe my sincere thanks to our beloved Principal Dr.M. Devika for providing us permission to go for field visit.

We would like to express our sincere gratitude to Mrs Kavitha, Scientific Officer and Mrs Vanitha S A, Assistant Scientific Officer, KSPCB, Mysuru for their guidance and valuable support.

I Thank Smt. Shakunthala , Assistant Professor and Head of the department of Zoology for her cooperation and encouragement. It was with great reverence, deep sense of gratitude and respect that I would like to thank my esteemed Assistant Professors Miss Jyothsna V Madhu and Sri Sanjay H V for accompanying us and making it meaningful.

INTRODUCTION

Karnataka State Pollution Control Board for prevention and control of water pollution was constituted by the Government of Karnataka on 21 September 1974 in pursuance of Water Act 1974. After this , Air Act, 1981 the enforcing responsibility was entrusted to the above Board. As such , The Board was later renamed as The Karnataka State Pollution Control Board in 1985. The Air act(Prevention and Control of Pollution), 1981 is an enactment to provide for prevention, control, abatement of Air Pollution.

Air pollution consists of various compounds with different physical and chemical properties. Some of the compounds are believed to be harmful to human health as well as to animals and vegetation. They may also have effects on climate, materials, and economical aspects.

1 WHO reported that outdoor and indoor air pollution have contributed to approximately 3 million and 7 million deaths worldwide in 2010 and 2012, respectively.

2. Three Indian metropolitan cities recently are among the most polluted areas in the world, particularly in case of particulate matter (PM).

3. Ambient air pollution has become national problem in India since it is No. 5 most important factor to cause premature deaths and approximately 6,70, 000 deaths in India are attributable to outdoor air pollution annually.

4. WHO focuses on four air pollutants namely nitrogen dioxide, sulphur dioxide, ozone, and particulate matter, particularly PM10 and PM2.5 particles.

5. The other pollutants may also have adverse effect though the concentrations are very small. WHO has evaluated 16 organic and 12 inorganic pollutants that may have risks to human health.

6. The recent growing concern is air pollution due to automobile emissions. Number of registered vehicles in India has gradually increased, i.e. 310 thousand in 1951, 5.4 million in 1981, 72.7 million in 2004, and 141.8 million in 2011.^{7,8,9} Recently, the number reached up to 210 million in 2015¹⁰ with an average growth of 10% per annum.

The anthropogenic air pollution keeps on increasing due to industrialization and motorized transportation. Therefore, there is a need to provide a continuous monitoring data related to automobile emissions and other factors which may deteriorate air quality. Study on air pollution has attracted lots of attention to many researchers worldwide, including in India as well.

There is huge number of works aimed to estimate air pollution load from road transport sector based on the number of vehicles registered or travelled in the city roadways, but most of them evaluated only the major critical pollutants and very few of them took into account the magnitudes of trace organic and inorganic compounds. Data regarding number of vehicles registered in 50 big and medium cities in India are easily accessible and widely provided in the Road Transport Year Book,¹⁰ but not for Mysuru city.

Hence, we proposed this present study to provide the above missing data and to dedicate the updated information regarding urbanization, industrialization, population booming, and most important, the automobile transportation in the city of Mysuru and their interconnecting impacts on urban land use and atmospheric air quality by estimating the vehicular emission loads of both major conventional and minor organic pollutant.

Population Status, Projection and Distribution The district of Mysuru itself has a total population of 30,01,127 as per 2011 census. Recently, the population distribution is more congested in the city in which almost half of the population lives in the core of the district . As the city is being well-connected to other taluks and districts through a branched road and railway networks, it is postulated that population in Mysuru city will grow rapidly due to faster rate of urbanization. Mysuru district holds the second highest population density of 476 persons per sq km in 2011 after Bengaluru city and it is higher than state density accounting for 319 persons per sq km. The population density of Mysuru city itself is accounted for 1823 persons per sq km or almost six times higher than density of the other taluks.

AIR POLLUTION STATUS IN MYSORE CITY



NATIONAL AMBIENT AIR QUALITY DATA FOR THE MONTH OF JANUARY-2021(To be Entered in Environmental Data Bank)

Stn Code	Sl.no.	Sampling date	Name of monitoring station	Monitoring Hours	Station Short Name	Area class	City	District	State Name	Monitoring Agency	NH3 AM-10A	NH3 0AM-2PM	NH3 PM-6PM	NH3 PM-10PM	NH3 0PM-2AM	NH3 2AM-6AM	NH3 Avg	Remarks	
41	1	1/5/2021	KSRTC Bldg KR Circle Mysuru	24 Hrs	KSRTC	Residential	Mysuru	Mysuru	Karnataka	KSPCB, Contract Staff	13.46	15.23	18.06	14.52	12.04	9.92	13.87	Load is not analysed because instrument under repair	
	2	1/8/2021									12.04	14.17	17.00	13.46	11.17	8.85	12.78		
	3	1/12/2021									11.69	13.81	16.29	12.40	10.98	9.56	12.45		
	4	1/16/2021									13.46	15.23	17.71	14.17	11.69	9.92	13.70		
	5	1/19/2021									12.75	14.52	18.42	13.81	11.33	9.21	13.34		
	6	1/21/2021									13.10	14.88	16.65	14.52	10.63	9.92	13.28		
	7	1/25/2021									12.40	15.23	17.00	14.17	10.27	9.56	13.11		
	8	1/28/2021									12.75	14.17	17.71	13.81	10.98	9.92	13.22		
	9	1/30/2021									13.10	14.52	16.29	13.46	11.17	9.21	12.96		
												Monthly average of NH3							

NATIONAL AMBIENT AIR QUALITY DATA FOR THE MONTH OF FEBRUARY-2021(To be Entered in Environmental Data Bank)

Stn Code	Sl.no.	Sampling date	Name of monitoring station	Monitoring Hours	Station Short Name	Area class	City	District	State Name	Monitoring Agency	NH3 AM-10A	NH3 0AM-2PM	NH3 PM-6PM	NH3 PM-10PM	NH3 0PM-2AM	NH3 2AM-6AM	NH3 Avg	Remarks	
40	1	2/2/2021	KSRTC Bldg KR Circle Mysuru	24 Hrs	KSRTC	Residential	Mysuru	Mysuru	Karnataka	KSPCB, Contract Staff	14.68	17.00	22.31	15.94	12.75	11.33	15.70	Load is not analysed because instrument under repair	
	2	2/5/2021									16.29	19.13	24.08	17.35	13.10	12.04	17.00		
	3	2/9/2021									13.81	16.65	20.54	15.58	12.40	11.69	15.11		
	4	2/12/2021									17.00	19.83	23.38	16.65	16.46	12.40	17.62		
	5	2/16/2021									13.10	17.00	20.54	15.23	12.75	11.33	14.99		
	6	2/19/2021									15.94	18.42	21.60	16.29	13.10	12.04	16.23		
				Monthly average of NH3															16.11

NATIONAL AMBIENT AIR QUALITY DATA FOR THE MONTH OF MARCH-2021(To be Entered in Environmental Data Bank)

Stn ode	Sl.no.	Sampling date	Name of monitoring station	Monito ring Hours	Station Short Name	Area class	City	District	State Name	Monito ring Agenc y	NH3 AM-10A	NH3 0AM-2PM	NH3 PM-6PM	NH3 PM-10PM	NH3 0PM-2AM	NH3 2AM-6AM	NH3 Avg	Remarks
40	1	3/2/2021	KSRTC Bldg, KRC Circle Mysuru	24 Hrs	KSRTC	Residential	Mysuru	Mysuru	Karnat aka	KSPOB, Contract Staff	16.29	18.06	23.38	17.06	14.17	12.75	16.94	1.001 is total at Mysuru. Data entered in National Data Bank 10/04/21
	2	3/5/2021									15.94	19.83	24.79	18.06	13.81	12.04	17.41	
	3	3/9/2021									17.35	20.54	26.21	18.77	14.52	13.10	18.42	
	4	3/12/2021									16.65	19.48	23.02	17.35	13.46	12.40	17.06	
	5	3/16/2021									18.42	21.60	28.33	19.13	14.52	13.46	19.24	
	6	3/19/2021									15.94	20.90	26.21	17.00	13.81	12.75	17.77	
	7	3/23/2021									16.65	19.83	24.44	20.90	14.88	13.46	18.36	
	8	3/26/2021									14.88	20.54	27.63	19.83	13.46	12.40	18.12	
	9	3/30/2021									17.00	22.31	30.10	18.42	14.88	13.10	19.30	
	Monthly average of NH3																	

NATIONAL AMBIENT AIR QUALITY DATA FOR THE MONTH OF APRIL -2021(To be Entered in Environmental Data Bank)

Stn Code	Sl.no	Sampling date	Name of monitoring station	Monitoring Hours	Station Short Name	Area class	City	District	State Name	Monitoring Agency	NH3 AM-10A	NH3 0AM-2PM	NH3 2PM-6PM	NH3 6PM-10PM	NH3 10PM-2AM	NH3 2AM-6AM	NH3 Avg	Remarks
40	1	03.04.2021	KSRTC Bldg, KRC Circle Mysuru	24 Hrs	KSRTC	Residential	Mysuru	Mysuru	Karnataka	KSPOB, Contract Staff	15.9	19.8	18.1	16.7	13.3	11.6	15.9	1.001 is total at Mysuru. Data entered in National Data Bank 10/04/21
	2	06.04.2021									13.6	17.6	15.9	13.9	12.2	10.5	14.0	
	3	09.04.2021									15.3	20.1	15.9	14.2	12.8	10.8	14.9	
	4	15.04.2021									12.8	14.7	11.9	12.5	10.8	9.9	12.1	
	5	17.04.2021									13.3	15.6	14.2	13.8	11.1	10.2	9.9	
	6	20.04.2021									14.2	16.2	13.3	13.9	11.3	9.9	13.1	
	7	23.04.2021									15.0	17.8	14.4	15.0	12.8	10.5	14.2	
	8	27.04.2021									15.3	20.1	13.3	14.5	12.2	10.5	14.3	
	9	30.04.2021									17.6	21.3	15.3	12.5	10.8	9.4	14.5	
	Monthly average of NH3																	

NATIONAL AMBIENT AIR QUALITY DATA FOR THE MONTH OF May-2020 (To be Entered in Environmental Data Bank)

Stn Code	Sl.no	Sampling date	Name of monitoring station	Monitoring Hours	Station Short Name	Area class	City	District	State Name	Monitoring Agency	NH3 AM-10A	NH3 0AM-2PM	NH3 PM-6PM	NH3 PM-10PM	NH3 0PM-2AM	NH3 2AM-6AM	NH3 Avg	Remarks
40	1	1/5/2020	KSRTC Bldg. KCR Circle Mysuru	24 Hrs	KSRTC	Residential	Mysuru	Mysuru	Karnataka	KSPCB Contract Staff	13.46	18.06	23.73	22.31	12.75	10.98	16.88	Lead is not analysed because instrument under repair
	2	7/5/2020									12.75	16.65	21.96	20.19	11.69	10.27	15.59	
	3	12/5/2020									11.69	14.88	22.67	19.83	10.96	9.92	15.00	
	4	14/5/2020									12.04	15.23	20.90	18.77	11.33	10.27	14.76	
	5	16/5/2020									10.63	14.17	19.48	17.71	12.75	9.56	14.05	
	6	19/5/2020									13.10	15.23	23.02	20.54	12.04	11.33	15.88	
	7	22/5/2020									12.04	14.17	21.60	18.13	11.69	10.63	14.88	
	8	27/5/2020									13.81	16.65	22.31	20.19	12.04	11.69	16.12	
	9	29/5/2020									11.69	13.81	20.54	18.42	12.40	10.2	14.51	
																	15.3	

NATIONAL AMBIENT AIR QUALITY DATA FOR THE MONTH OF June-2020 (To be Entered in Environmental Data Bank)

Stn Code	Sl.no	Sampling date	Name of monitoring station	Monitoring Hours	Station Short Name	Area class	City	District	State Name	Monitoring Agency	NH3 AM-10A	NH3 0AM-2PM	NH3 PM-6PM	NH3 PM-10PM	NH3 0PM-2AM	NH3 2AM-6AM	NH3 Avg	Remarks
40	1	3.6.2020	KSRTC Bldg. KCR Circle Mysuru	24 Hrs	KSRTC	Residential	Mysuru	Mysuru	Karnataka	KSPCB Contract Staff	12.40	15.23	21.60	19.13	11.69	9.92	15.00	Lead is not analysed because instrument under repair
	2	5.6.2020									13.10	16.29	19.48	17.71	12.04	10.63	14.88	
	3	9.6.2020									11.33	14.88	18.77	16.29	10.63	9.21	13.52	
	4	12.6.2020									12.75	15.58	19.13	17.35	9.56	8.85	13.87	
	5	16.6.2020									11.69	13.81	17.78	14.52	10.63	9.56	13.00	
	6	19.6.2020									10.98	12.75	16.29	15.23	9.92	8.85	12.34	
	7	23.6.2020									13.20	16.29	17.48	16.65	11.33	10.27	14.20	
	8	26.6.2020									12.40	14.88	17.35	15.58	10.98	9.92	13.52	
	9	30.6.2020									11.33	13.81	16.65	14.88	9.56	8.85	12.51	
																	13.65	
Monthly average of NH3																		

NATIONAL AMBIENT AIR QUALITY DATA FOR THE MONTH OF JULY-2020 (To be Entered in Environmental Data Bank)

Sin Code	Sl.no	Sampling date	Name of monitoring station	Monitoring Hours	Station Short Name	Area class	City	District	State Name	Monitoring Agency	NH3 AM-10AM	NH3 AM-2PM	NH3 PM-6PM	NH3 PM-10PM	NH3 PM-2AM	NH3 AM-6AM	NH3 Avg	Remarks
40	1	3/7/2020	KSRTC Bldg. KFC Circle Mysuru	24 Hrs	KSRTC	Residential	Mysuru	Mysuru	Karnataka	KSPCB, Contract Staff	13.80	14.88	22.31	18.42	10.98	9.56	14.99	Lead is not analysed because instrument under repair
	2	7/7/2020									12.40	15.23	20.54	17.71	11.33	10.27	14.58	
	3	10/7/2020									13.10	16.29	19.13	15.58	12.04	10.98	14.52	
	4	14/7/2020									11.69	14.52	18.06	16.29	11.69	9.92	13.70	
	5	17/7/2020									12.75	15.58	20.19	17.00	10.98	9.56	14.34	
	6	21/7/2020									11.33	14.88	19.13	16.65	9.92	8.85	13.46	
	7	24/7/2020									10.27	15.23	17.35	15.94	10.98	9.52	13.22	
	8	28/7/2020									11.69	14.52	19.13	16.29	11.69	10.27	13.93	
	9	31/7/2020									12.04	13.46	17.35	15.58	10.63	9.92	13.16	
	Monthly average of NH3																	13.99

NATIONAL AMBIENT AIR QUALITY DATA FOR THE MONTH OF AUGUST-2020 (To be Entered in Environmental Data Bank)

Sln Code	Sl.no.	Sampling date	Name of monitoring station	Monitoring Hours	Station Short Name	Area class	City	District	State Name	Monitoring Agency	NH3 AM-10AM	NH3 AM-2PM	NH3 PM-6PM	NH3 PM-10PM	NH3 PM-2AM	NH3 AM-6AM	NH3 Avg	Remarks
40	1	8/4/2020	KSRTC Bldg. KFC Circle Mysuru	24 Hrs	KSRTC	Residential	Mysuru	Mysuru	Karnataka	KSPCB, Contract Staff	11.69	13.81	17.71	15.58	11.33	10.27	13.40	Lead is not analysed because instrument under repair
	2	8/7/2020									12.04	14.17	18.06	16.29	10.98	9.56	13.52	
	3	8/11/2020									10.98	13.46	19.48	17.71	10.63	9.92	13.70	
	4	8/14/2020									11.33	15.58	20.54	18.42	12.75	10.63	14.88	
	5	8/18/2020									12.40	14.52	19.13	16.29	11.69	9.56	13.93	
	6	8/21/2020									13.10	16.65	18.77	15.94	10.98	9.21	14.11	
	7	8/25/2020									12.75	15.94	20.19	17.00	11.33	10.27	14.58	
	8	8/28/2020									11.33	14.88	17.71	15.23	10.98	9.56	13.28	
						Monthly average of NH3												13.92

NATIONAL AMBIENT AIR QUALITY DATA FOR THE MONTH OF NOVEMBER-2020 (To be Entered in Environmental Data Bank)

Stn Code	Sl.no.	Sampling date	Name of monitoring station	Monitoring Hours	Station Short Name	Area class	City	District	State Name	Monitoring Agency	NH3 AM-10AM	NH3 10AM-2PM	NH3 2PM-6PM	NH3 6PM-10PM	NH3 10PM-2AM	NH3 2AM-6AM	NH3 Avg	Remarks
40	1	11/3/2020	KSRTC Bldg. KR Circle Mysuru	24 Hrs	KSRTC	Residential	Mysuru	Mysuru	Karnataka	KSPCB, Contract Staff	12.4	13.8	17.3	14.5	12.0	8.8	13.13	Lead is not analysed because instrument under repair
	2	11/6/2020									13.1	15.2	18.0	13.8	12.7	9.2	13.67	
	3	11/9/2020									11.5	14.7	19.6	13.3	11.9	7.1	13.02	
	4	11/14/2020									13.3	14.7	18.4	15.3	10.0	7.4	13.18	
	5	11/15/2020									11.3	14.4	18.8	20.4	17.6	9.9	15.07	
	6	11/16/2020									10.2	14.4	18.6	22.8	20.2	9.4	15.77	
	7	11/24/2020									12.7	15.2	17.0	16.6	11.9	9.9	13.88	
	8	11/27/2020									13.1	16.3	18.1	14.5	12.0	10.3	14.05	
Monthly average of NH3																	13.97	

NATIONAL AMBIENT AIR QUALITY DATA FOR THE MONTH OF DECEMBER-2020 (To be Entered in Environmental Data Bank)

Stn Code	Sl.no.	Sampling date	Name of monitoring station	Monitoring Hours	Station Short Name	Area class	City	District	State Name	Monitoring Agency	NH3 AM-10AM	NH3 10AM-2PM	NH3 2PM-6PM	NH3 6PM-10PM	NH3 10PM-2AM	NH3 2AM-6AM	NH3 Avg	Remarks
40	1	12/2/2020	KSRTC Bldg. KR Circle Mysuru	24 Hrs	KSRTC	Residential	Mysuru	Mysuru	Karnataka	KSPCB, Contract Staff	13.10	14.52	17.71	15.58	12.75	9.92	13.93	Lead is not analysed because instrument under repair
	2	12/5/2020									10.98	12.75	15.23	14.17	10.63	8.85	12.10	
	3	12/8/2020									11.69	13.10	16.29	15.23	9.92	8.50	12.46	
	4	12/11/2020									12.75	14.17	15.94	14.88	11.69	9.21	13.11	
	5	12/15/2020									13.10	15.58	17.00	14.52	12.04	10.27	13.75	
	6	12/18/2020									12.40	13.81	16.29	15.58	10.98	9.92	13.16	
	7	12/22/2020									11.69	12.75	15.94	14.17	9.92	8.85	12.22	
	8	12/24/2020									13.46	14.52	16.65	15.23	10.63	9.56	13.34	
	9	12/29/2020									12.75	13.46	15.23	14.52	11.69	9.92	12.93	
	10	12/31/2020									10.98	12.75	15.58	14.17	9.92	8.85	12.04	
	Monthly average of NH3																	12.90

NATIONAL AMBIENT AIR QUALITY DATA FOR THE MONTH OF MAY -2021

Stn Code	Sl.no.	Sampling date	Name of monitoring station	Monito ring Hours	Station Short Name	Area class	City	District	State Name	Monito ring Agency	NH3 AM-10A	NH3 10AM-2PM	NH3 2PM-6PM	NH3 6PM-10PM	NH3 10PM-2AM	NH3 2AM-6AM	NH3 Avg	Remarks
40	1	4.05.2021	KSRTC Bldg. K.R. Circle Mysuru	24 Hrs	KSRTC	Residential	Mysuru	Mysuru	Karnataka	KSPCB, Contract Staff	12.4	15.4	12.0	11.9	10.2	11.3	12.2	Lead is not analysed because instrument under repair
	2	7.05.2021									13.9	17.9	11.3	10.2	9.8	10.8	12.3	
	3	11.05.2021									14.2	17.3	12.9	10.8	9.0	9.5	12.3	
	4	13.05.2021									13.6	15.8	13.4	10.2	10.5	10.6	12.4	
	5	18.05.2021									14.7	16.9	13.3	11.8	10.9	10.3	13.0	
	6	20.05.2021									15.7	16.7	13.4	11.9	10.8	10.5	13.2	
	7	22.05.2021									14.3	17.1	13.9	11.9	10.5	10.2	13.0	
	8	25.05.2021									13.9	15.6	13.3	11.6	9.9	10.8	12.5	
	9	28.05.2021									13.2	15.0	12.3	10.8	9.2	9.2	11.6	
	Monthly average of NH3																	

NATIONAL AMBIENT AIR QUALITY DATA FOR THE MONTH OF June -2021

Stn Code	Sl.no.	Sampling date	Name of monitoring station	Monitoring Hours	Station Short Name	Area class	City	District	State Name	Monitoring Agency	NH3 AM-10A	NH3 10AM-2PM	NH3 2PM-6PM	NH3 6PM-10PM	NH3 10PM-2AM	NH3 2AM-6AM	NH3 Avg	Remarks
40	1	02.07.2021	KSRTC Bldg. K.R Circle Mysuru	24 Hrs	KSRTC	Residential	Mysuru	Mysuru	Karnataka	KSPCB, Contract Staff	11.9	15.9	17.0	12.2	10.5	9.4	12.8	Lead is not analysed because instrument under repair
	2	06.07.2021									13.6	17.6	19.3	13.3	11.6	10.8	14.4	
	3	09.07.2021									13.9	15.0	18.7	12.8	10.5	9.1	13.3	
	4	13.07.2021									14.5	17.6	19.8	13.0	12.2	10.5	14.6	
	5	16.07.2021									14.7	16.7	18.7	13.3	9.9	8.5	13.6	
	6	20.07.2021									12.2	15.9	17.3	11.6	10.8	9.4	12.9	
	7	23.07.2021									12.8	15.0	18.4	11.6	9.6	8.8	12.7	
	8	27.07.2021									11.9	14.8	16.2	11.3	10.5	8.8	12.3	
	9	30.07.2021									12.2	16.4	18.1	11.6	11.0	9.6	13.2	
Monthly average of NH3																		

NATIONAL AMBIENT AIR QUALITY DATA FOR THE MONTH OF JULY 2021

Unit: $\mu\text{g}/\text{m}^3$

Sta Co de	GL no	Sampling date	Name of monit oring	Mon it oring Hour	Statio n Short Name	Are a clas s	City	Dist rict	Stat e Name	Monit oring Agency	General Weather Conditio n	Temp erature (Min)	Temp erature (Max)	SO ₂	SO ₂	SO ₂	SO ₂	SO ₂	NO _x	NO _x	NO _x	NO _x	NO _x	NO _x	PM	PM	PM	SO ₂	NO _x	PM	PM	Remarks		
														10AM - 2PM	10AM - 2PM	2PM - 6PM	6PM - 10PM	10PM - 2AM	2AM - 6AM	8AM - 10AM	10AM - 2PM	2PM - 6PM	6PM - 10PM	10PM - 2AM	2AM - 6AM	10 8AM - 10PM	10 10PM - 6AM	10 6AM - 10PM	Avg	Avg	10 Avg	2.5		
1	02.07.2021		KSPCB Bhadr PB Circle	24 hrs	KSPCB	KSPCB	KSPCB	KSPCB	KSPCB	KSPCB	Cloudy	20	30	BDL	BDL	BDL	BDL	BDL	BDL	14.9	16.8	18.8	13.4	11.9	10.4	29.0	38	25	2.0	14.4	31	18.0		
2	06.07.2021										Cloudy	19	32	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12.4	15.9	17.1	11.9	10.4	9.4	26	32	28	2.0	12.9	29	11.0	
3	09.07.2021										Rainy	19	31	BDL	BDL	BDL	BDL	BDL	BDL	BDL	13.4	15.9	17.8	11.4	10.4	8.4	31	42	24	2.0	12.9	32	14.0	
4	13.07.2021										Cloudy	19	28	BDL	BDL	BDL	BDL	BDL	BDL	BDL	14.9	16.8	18.8	12.4	11.4	9.9	26	37	29	2.0	14.4	31	12.0	
5	16.07.2021										Rainy	24	30	BDL	BDL	BDL	BDL	BDL	BDL	BDL	14.4	16.8	20.1	12.4	10.9	8.8	26	63	32	2.0	15.9	40	23.0	
6	20.07.2021										Clear Sky	20	28	BDL	BDL	BDL	BDL	BDL	BDL	BDL	13.9	16.3	19.8	11.4	10.4	9.4	29	65	38	2.0	15.4	64	18.0	
7	23.07.2021										Cloudy	18	26	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12.4	14.9	16.4	11.4	10.4	9.9	24	42	22	2.0	12.4	29	14.0	
8	27.07.2021										Cloudy/ Rainy	27	30	BDL	BDL	BDL	BDL	BDL	BDL	BDL	13.9	17.3	20.1	12.4	10.9	10.4	29	39	26	2.0	14.4	32	11.0	
9	30.07.2021										Cloudy	18	29	BDL	BDL	BDL	BDL	BDL	BDL	BDL	13.9	16.8	19.1	11.4	10.4	31	55	39	2.0	14.4	40	14.0		

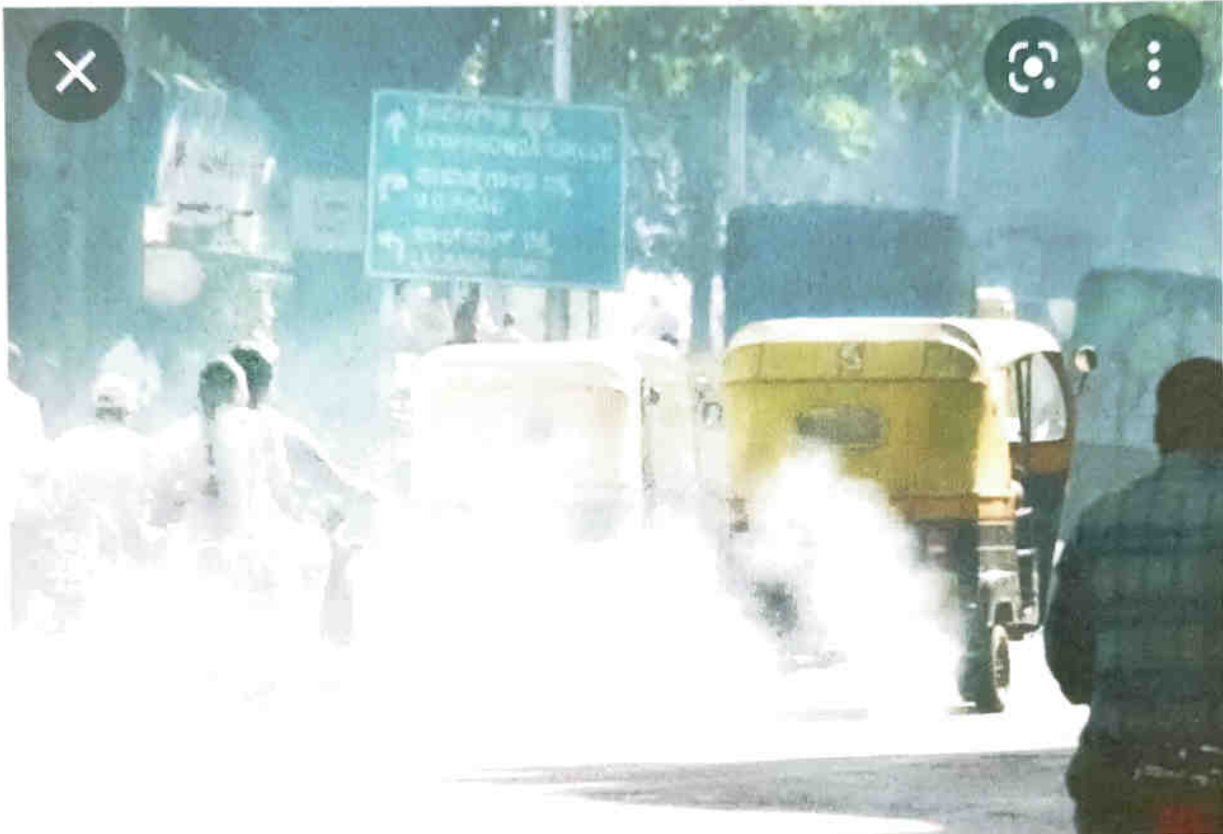
NATIONAL AMBIENT AIR QUALITY DATA FOR THE MONTH OF SEPTEMBER-2020 (To be Entered in Environmental Data Bank)

Stn Code	Sl.no.	Sampling date	Name of monitoring station	Monitoring Hours	Station Short Name	Area class	City	District	State Name	Monitoring Agency	NH3 AM-10A	NH3 10AM-2PM	NH3 2PM-6PM	NH3 6PM-10PM	NH3 10PM-2AM	NH3 2AM-6AM	NH3 Avg	Remarks	
40	1	2/9/2020	KSRTC Bldg. NR Circle Mysuru	24 Hrs	KSRTC	Residential	Mysuru	Mysuru	Karnataka	KSPCB, Contract Staff	13.10	14.17	16.29	15.23	12.04	9.92	13.46	Lead is not analysed because instrument under repair	
	2	4/9/2020									12.75	13.81	15.58	14.52	11.89	9.56	12.99		
	3	8/9/2020									11.69	12.75	17.71	13.10	10.27	9.21	12.46		
	4	10/9/2020									12.40	14.52	15.94	13.81	12.40	10.27	13.22		
	5	15/9/2020									13.46	15.58	18.42	14.88	11.33	9.56	13.87		
	6	19/9/2020									12.75	16.29	17.35	13.46	10.98	9.21	13.34		
	7	22/9/2020									13.81	14.88	16.65	14.17	10.63	9.92	13.34		
	8	25/9/2020									14.17	16.65	19.48	15.58	11.89	10.27	14.64		
	9	29/9/2020									12.40	15.23	18.06	14.52	10.27	9.56	13.34		
				Monthly average of NH3															13.41

NATIONAL AMBIENT AIR QUALITY DATA FOR THE MONTH OF OCTOBER-2020 (To be Entered in Environmental Data Bank)

Stn Code	Sl.no.	Sampling date	Name of monitoring station	Monitoring Hours	Station Short Name	Area class	City	District	State Name	Monitoring Agency	NH3 AM-10A	NH3 10AM-2PM	NH3 2PM-6PM	NH3 6PM-10PM	NH3 10PM-2AM	NH3 2AM-6AM	NH3 Avg	Remarks	
40	1	10/3/2020	KSRTC Bldg. NR Circle Mysuru	24 Hrs	KSRTC	Residential	Mysuru	Mysuru	Karnataka	KSPCB, Contract Staff	14.52	16.29	18.06	15.58	12.75	10.27	14.58	Lead is not analysed because instrument	
	2	10/6/2020									13.81	15.58	17.35	14.88	11.33	9.92	13.81		
	3	10/9/2020									12.75	14.52	16.29	13.81	10.98	9.21	12.93		
	4	10/13/2020									13.10	15.23	17.00	14.52	11.89	9.56	13.52		
	5	10/16/2020									14.17	16.29	17.71	15.23	10.98	9.92	14.05		
	6	10/20/2020									12.40	14.88	16.65	13.46	10.63	9.21	12.87		
	7	10/23/2020									13.46	15.23	17.35	14.52	11.33	9.56	13.58		
	8	10/28/2020									14.17	16.65	18.42	15.23	12.40	9.92	14.47		
				Monthly average of NH3															13.72

AIR POLLUTION STATUS IN MYSORE CITY



CONCLUSION

The goal of this visit was to document the air pollution status of Mysuru city . We are happy that we could do it , because this field study helped us to know the air pollution status from may 2020 to till date. So to create awareness among students and the role of students in controlling the air pollution,the Department of Zoology, Sarada Vilas College has took us to the KSPCB Mysuru.

We thank our lecturers for giving us this opportunity and giving enormous information regarding Air Pollution and its control.

From,
Shakunthala
Assistant Professor and Head
Department of Zoology
Sarada Vilas College
Mysuru

To,
The Principal
Sarada Vilas College
Mysuru

Respected madam,

Sub: Seeking permission to take two Final year (VI SEM) CBZ students to visit
Karnataka Pollution Control Board, Mysuru on 2021 August 18.

I request you to permit 2 students of VI semester B.Sc. CBZ
accompanied by me and one other teaching faculty of the Department to visit Karnataka State
Pollution Control Board, Mysuru on 18/08/2021. This field study is compulsory prescribed in
the syllabus of VI Semester CBZ of Mysore University and students have to submit a report on
Air Pollution status of Mysuru city in 2021.

I request you to give permission to take students and please give a
letter to the Karnataka State Pollution Control Board, Mysuru officials requesting for 2021 Air
Pollution Assessment report details of Mysuru city.

Thanking you

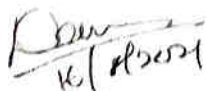
Date - 16/08/2021
Place - Mysuru

Your's sincerely



(Shakunthala)

Head of the Dept. of Zoology
Sarada Vilas College
MYSORE





Sarada Vilas Educational Institution (SVC)
Post-Graduate Department of Chemistry
Sarada Vilas College
Krishnamurthypuram,
Mysuru - 570004



REPORT ON IOE VISIT

On 3rd and 4th of Jan 2022, visited to IOE, Vijnana Bhavan, UOM, Mysuru by all the 2nd year students of SVC. The Vijnana Bhavana is a central instrumentation facility of UOM and house for major projects like Institution of Excellence (IOE), University with potential for Excellence (UPE).

At 10.00 am the session was started accompanied by Dr. Nanjundaswamy G S and Mr. Sudeep P. Students took a look on NMR, Electrophoresis system, Mass Spectrophotometer (NMR), CHNS Analyzer (Elemental Analyzer), gas chromatography, X-Ray diffractometer, Liquid nitrogen plant instruments.

It was very informative session and faculties over there were supportive and embrace the students with their knowledge. And the session was winded up at 4.00 pm.

Overall, the visit was helpful for the students for their further research work.





Sarada Vilas Educational Institution (a)
Post-Graduate Department of Chemistry
Sarada Vilas College
Krishnamurthypuram,
Mysuru - 570004

FIELD VISIT TO IOE , VIGNANA BHAVANA



B. J. a

Asst. Prof.
Asst. Professor / Coordinator
Post-Graduate Department of Chemistry
Sarada Vilas College, Mysuru - 04

Dr. M. Devika
M.Sc., M.Phil., Ph.D.
Principal
Sarada Vilas College
Mysuru

**SARADA VILAS COLLEGE
KRISHNAMURTHY PURAM, MYSORE-04
DEPARTMENT OF M.Sc. CHEMISTRY
2020-2021**

FIELD VISIT TO VIGNANA BHAVANA



Devika
Dr. M. Devika
M.Sc., M.Phil., Ph.D.
Principal
Sarada Vilas College,
Krishnamurthypuram, Mysuru

From,

Date: 07-1-2022

Dr. R. Gururaja
Adjunct Professor
Post-Graduate Department of Chemistry
Sarada Vilas College,
Mysuru-04

To,

The Principal
Sarada Vilas College,
Mysuru-04

Dear Madam,

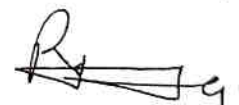
Sub: Visit of IOE Vijnan Bhavan, Manasa Gangothri, Mysuru.

With reference to above context, I here by bringing your kind notice that our Teaching faculties Dr. G.S Nanjundaswamy and Sudeep P of Post-Graduate department of Chemistry, Sarada Vilas College, Mysuru, have visited IOE Vijnan Bhavan, Manasa Gangothri, Mysuru along with final year M.Sc. students on 3rd and 4th Jan . 2022 and oblige.

Thanking you

Yours faithfully.

Place: Mysuru



Dr. R. Gururaja

IOE
21/1/2022



SARADA VILAS COLLEGE

Krishnamurthipuram, Mysuru-570 004
Department of Commerce and Business Administration
PG Centre - M Com



Prof. Satyanarayana
Dean

+91- 94803 79192
svccom17@gmail.com

Date: 10/05/2022

To,
The Principal
Sarada Vilas College
Mysore

Respected Sir/Madam,

Sub: Details about the Industrial Tour-reg.

As discussed earlier and with your permission, the first M.Com students are visiting the industries to support the classroom academic studies. The details are as under:

- | | |
|---------------------------------|--|
| ➤ Date of Visit | : 12/05/2022 |
| ➤ No. of Students participation | : 45 |
| ➤ Faculty In-Charge | : Ms. Arpitha K & Mrs. Pragathi |
| ➤ Organizing Partner | : Barbie Dreams Travel Partner |
| ➤ Starting Time | : 07:00AM from SVC |
| ➤ Returning Time | : 08:30 PM to SVC |
| ➤ Industries Visiting | : 1. Klen Peks Pvt Ltd. Mandya
2. Pushpak Products India Pvt Ltd. Bidadi. |

The time to time update will be sent through what's app. Further, we seek your best wishes to complete this programme successfully.

Thanking You,

Yours Sincerely

(DEAN)

Dr. M Devika

M.Sc., M.Phil., Ph.D.

Principal

Enclosures:

1. The details of the visit
2. List of Students participating in the programme



SARADA VILAS COLLEGE
Krishnamurthipuram, Mysuru-570 004
Department of Commerce and Business Administration
PG Centre - M.Com



Prof. Satyanarayana
Dean

+91- 94803 79192
svccom17@gmail.com

Date: 11.05.2022

To,
The President/ Hon. Secretary
Sarada Vilas College
Mysuru

alc

Respected Sir/Madam,

Sub: Industry – Institution Interaction programme for M.Com Students.

With reference to the above subject, as scheduled plan of action we are organizing an **Industry – Institution Interaction programme on 12/05/2022** with permission and approval from Principal. The details are as under:

- | | |
|---------------------------------|--|
| ➤ Date of Visit | : 12/05/2022 |
| ➤ No. of Students participation | : 45 |
| ➤ Faculty In-Charge | : Ms. Arpitha K & Mrs. Pragathi |
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2. Pushpak Products India Pvt Ltd. Bidadi. |

The Further, we seek your best wishes to complete this programme successfully.

Thanking You,

Yours Sincerely

Satyanarayana
(DEAN)

Enclosures:

1. Approval from the Principal.
2. The details scheduled time table of the visit
3. List of Students participating in the programme

Sarada Vilas College
Department of Commerce, PG Centre - M Com
Industrial Visit - 2022

Sl. No	Reg. No	Student List Student Name	Contact Number
1	PO1BG21C0011	Manushree S	9742137182
2	PO1BG21C0001	Likitha	9353186783
3	PO1BG21C0024	Vinitha K D	7899726031
4	PO1BG21C0053	Yashaswini J P	9980950237
5	PO1BG21C0028	Darshan	6361342984
6	PO1BG21C0003	Nishanka P M	9738639770
7	PO1BG21C0021	Surya V	6360968717
8	PO1BG21C0004	Shilpashree S	9606266318
9	PO1BG21C0052	Poornima G J	9743432383
10	PO1BG21C0002	Thanuja D	9663911890
11	PO1BG21C0046	Bhavana A M	9972626217
12	PO1BG21C0023	Sahana S	9606188610
13	PO1BG21C0044	Arpitha D	9353062202
14	PO1BG21C0007	Madhu M	8147738623
15	PO1BG21C0019	Santhosh Vardhan V	9380133635
16	PO1BG21C0021	Ramachandra B	7337600398
17	PO1BG21C0032	Mohan Wodeyar M	7899328337
18	PO1BG21C0020	Avin	9686989871
19	PO1BG21C0029	K Rathishkumar	7829848352
20	PO1BG21C0030	Basavalingappa	8317433719
21	PO1BG21C0027	Bharath Kumar V	6363488860
22	PO1BG21C0031	Sanjitha M	9008393861
23	PO1BG21C0037	Sushmitha M	9945561542

24	PO1BG21C0008	Vinutha S	960269770
25	PO1BG21C0036	Harshitha M K	8105759512
26	PO1BG21C0022	Sahana B	7019372329
27	PO1BG21C0015	Navyashree S	9742097984
28	PO1BG21C0010	Meghana S	9449007886
29	PO1BG21C0017	Harshitha N	8217475710
30	PO1BG21C0016	Priyanaka S	6364296813
31	PO1BG21C0009	Ramya T	7676492673
32	PO1BG21C0035	Ramya H L	9902635133
33	PO1BG21C0040	Sindhu	8088651297
34	PO1BG21C0012	Mohitha M	8971761456
35	PO1BG21C0033	Sanjay L	8050711319
36	PO1BG21C0050	Nagaraju P	8431147457
37	PO1BG21C0006	Radhika S	7676092382
38	PO1BG21C0038	Lavanya H Y	8951855195
39	PO1BG21C0046	Vinutha P	7022022038
40	PO1BG21C0041	Spoorthi L N	6364576429
41	PO1BG21C0034	Sphoorthi S C	7975879301
42	PO1BG21C0039	Rashmi P K	8971887457
43	PO1BG21C0013	Rakshitha H M	7760460883
44	PO1BG21C0018	Harish H M	9902595846
45	PO1BG21C0047	Bhoomika M R	7899097245

Sarada Vilas College

Department of Commerce

PG Centre M.Com

Industrial Visit Report

An visit to Klens Peks Pvt. Ltd. Gejjalagere, Mandya and Pushpak Products India Pvt Ltd Bangalore

For First M.Com Students – 2022

Faculty In-Charge – Ms. Arpitha K & Mrs. Pragathi

On receiving the letter of permission from Principal, SVC and Klens Peks Pvt. Ltd. Gejjalagere, Mandya and Pushpak Product India Pvt Ltd Bangalore for Industrial tour, 44 students along with the two faculty in charge Ms.Arptha.K and Mrs Pragathi went an industrial visit on 12 May 2022.

On 12th May 2022, all students of first M.Com and faculty members were assembled in the college premises at 7:30 am and with all the good wishes by Prof.Satynarayana, Dean, Dept.of Commerce and Dr. Jyothis A N , Assistant Professor , the bus left the College at 8:00 am and the first break was at Srirangapatna at 9:00am nearby to river side where all the students had breakfast and packed back by 09:45am and headed towards Klens Peks Pvt. Ltd , Mandya. Around 10:30 am we reached the factory. The production manager received us at the entrance and along with the verification of the permission letter, he allowed all of us into the organization.

Then we had the interaction between the office management people. The students were divided as 5 groups (9 students in each group). These groups are made to make the convenient explanation of the industrial work. Later the manager along with the other two subordinates took the students inside the plant. At first, they explain the major source of the raw materials and where it comes from and they said that major portion of the raw materials comes from the Arab countries. The raw material will be supplied to the plants. Where the further processing will be done. The students were more enthusiastic to know the process of how this raw material will be converted into finished goods.

In the second phase the students were exposed to the area where the raw material was converted into the plastic thread, which are called as a weaving and bobbins area. these raw materials were melted and made into a sheets and each sheets based on the requirement of customers and cut into a thread and they were made into a bobbins.

Later on, these threads are routed into the machinery where the machinery started netting the plastic bags. So from this particular manufacturing process we saw the conversion of the raw plastic into the plastic bags so where the majority of the production was done. They manufactured two kinds of plastics bags, one is an ordinary plastic bag which is used in storage of the regular product and the other one is the laminated plastic bags. The laminated plastic bags are used in storage purpose of the food grains or any other materials which are more sensitive to moisture.

later on the students were moved to the other unit where the major production was belonged to the tarpaulins and the other big plastic wrappers. This particular unit has different variations of the plastic manufacturing areas depending on the consumer needs; they were majorly focusing on the manufacturing of the plastic tarpaulins which majorly used in the construction areas and also the agriculture area.

Later on the students move to the other plant where the plastic were processed and made into a plastic food wraps and also they make the oil plastic covers. This particular plant was majorly dealing with the production of the plastic covers and the bags which is used in the food processing industries. Hence, there was a high maintenance of the hygiene were observed. The students were more exposed to know the cost of the machinery and how they invest on the new Machineries. one most appropriate thing the students were focused and they observed in the organization was that as the company is dealing with the plastics, utilization of high technology based machineries were used to maintain the hygiene & safety of the people. Then students were interacted with the manager, and asked about the capital structure, Who is the owner of the company and how the soul entrepreneurship has grown into 7 units. The overall visit was very informative with very good interaction by the manager and other employees at plant. With tea and snacks to the students interaction came to an end. At 01:00PM we departed from the Klens Peks Pvt. Ltd. Mandya.

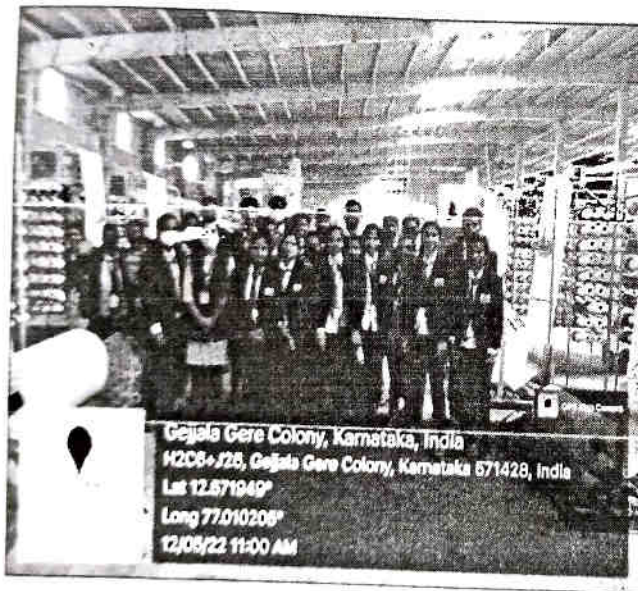
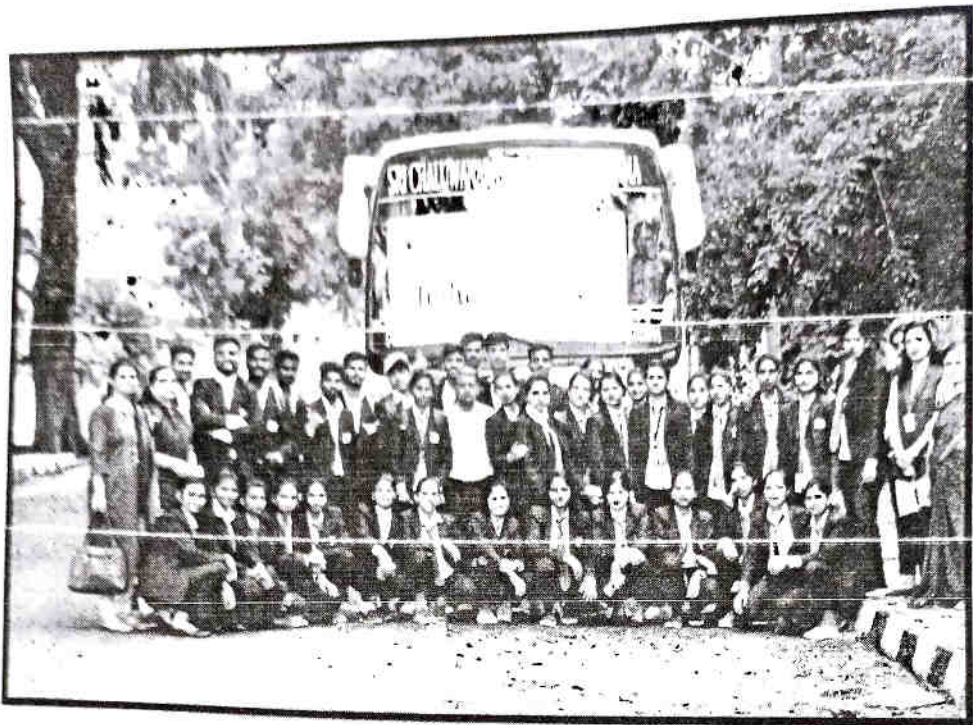
The lunch was packed in our vehicle, later around 02:30pm lunch break was given in channapattana at herbal park belongs to the dept. of horticulture facilitated us to have our lunch in their park, which is also one of tourist visiting place to see verities of herbal plants.

After lunch , the bus left channapatna, heading towards Bidadi. We reached Pushpak products India Pvt. Ltd., Bidadi, Bangalore at 4:00pm and manager received us and gave introduction about the factory and we split students into two groups (25 students in each group). First group went to assembling unit and second group went to the spare part manufacturing unit where the company manufactures spare parts for ISRO. Then these two groups were interchanged and visited the factory. Later the students had discussion with the manager. The visit come to an end at 5:30 pm.

The unit was uplifted by the ministry of small scale industries (MSME). The Pushpak products India Pvt. Ltd., was mainly manufacturing the products relating to the relating to office furniture's. They are also the major supplier for all the Govt. organizations.

The students were more amazed to see the usage of technology in cutting and wilding process. The students showed up more enthusiasm in knowing the how the processes are divided and how costing at each stage are added. The students were also showed new machineries that have been used in this area. The students were given spend off with tea/coffee and snacks by the company. The students left the campus at 5:30pm with much satisfied and informative session.

Evening around 6:30 pm the refreshment break was taken in Ramanagara, the students enjoyed sipping juice and snacks. They also visited Ambegalu Krishna temple, a historical temple belongs to Chalukya's times. By 8:30pm bus reached Mysuru and students were safely sent back from the college campus and the Industrial Visit was successfully concluded.



**SARADA VILAS COLLEGE
KRISHNAMURTHY PURAM, MYSORE-04
DEPARTMENT OF COMMERCE
2020-2021**

FIELD VISIT TO KLENS PEKS Pvt. Ltd, Mandya & PUSHPAK INDIA Pvt. Ltd, Bengalore (MSME)




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