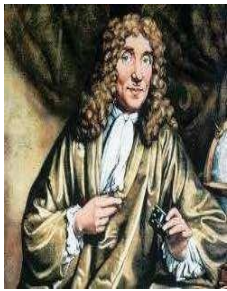




Department of Microbiology,
PVKN Government college (A), CHITTOOR, AP, INDIA



INDEX

S. No	Particulars	Page No
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2.	<i>Departmental Vision and Mission</i>	
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4.	<i>Highlights of the Department</i>	
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10.	<i>Research journal Publications</i>	
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13.	<i>Workshops attended by faculty</i>	
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16.	<i>Guest lecturer delivered</i>	
17.	<i>Teaching and learning activities</i>	
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19.	<i>MOUs Linkages</i>	

20.	<i>Student study projects</i>	
21.	<i>Field trips</i>	
22.	<i>Renowned Alumni</i>	
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24.	<i>Action plan for future endeavors</i>	
25.	<i>Photographs</i>	

DEPARTMENT OF MICROBIOLOGY

DEPARTMENT PROFILE

1. Brief History of the Department:

Department of microbiology was established in 2001 as self financing (Restructured) course in PVKN government college (A), CHITTOOR, AP, India. The department has been offering three years UG program in microbiology. It is now recognized as centre of excellence in teaching and learning Microbiology with respect to undergraduate studies in the area of Andhra Pradesh. Under these courses students are given exhaustive training and basic knowledge of Microbiology, Microbial Biochemistry and Metabolism, Microbial Genetics and Molecular biology, Immunology, Environmental and Agricultural microbiology, Food and Industrial Microbiology. Department has well equipped spacious laboratory for UG students with sophisticated instruments set ups, computers and internet facility as well as departmental library.

DEPARTMENTAL VISION AND MISSION

Vision:

The vision of the Department of Microbiology is that to provide the knowledge to students in theory and practical aspects of Microbiology and to produce highly qualified and competent students in all areas of the Microbiology field and also aiming to be recognized as among the best for Microbiology education and scientific research.

Mission

- ❖ Providing quality education and training in different disciplines of Microbiology to our students, to create an innovative, creative study environment to the students.
- ❖ Motivate and guide the students to develop new techniques in Microbiology.
- ❖ Promoting all round personality development through multi-dimensional education to foster a spirit of self-confidence and self-reliance in our students.
- ❖ To prepare them to become responsible contributing citizens of society

List of Lab equipments available in Microbiology Department:

1. Digital balance
2. Compound microscope
4. Hot Air Oven
5. Autoclave
6. Incubator
7. Colony counter
8. Water bath
9. Centrifuge
10. Electrophoreses kit

Highlights of the Department

- ❖ Our students have secured top ranks in various state and national level competitive entrance examinations.
- ❖ Our students got best ranks in PG Entrance examination conducted by various Universities.
- ❖ Our students have been placed in various Life sciences related companies
- ❖ Our Staff attended various National and International seminars.
- ❖ Research journals published by staff

COURSES OFFERED

S.NO	COURSE	GROUP	MEDIUM
1.	B.Sc (LIFE SCIENCE)	ML.C.CS	E.M
3.	B.Sc (LIFE SCIENCE)	M.Z.C	E.M

Courses offered: UG Certificate Courses in (Life sciences)

<i>S.NO</i>	<i>COURSE</i>	<i>GROUP</i>	<i>MEDIUM</i>
<i>1.</i>	<i>B.Sc (LIFE SCIENCE)</i>	<i>ML.C.CS</i>	<i>E.M</i>
<i>3.</i>	<i>B.Sc (LIFE SCIENCE)</i>	<i>M.Z.C</i>	<i>E.M</i>

Departmental Lecturer wise Time Table UG

2018-2019 ODD SEMESTER

	1	2	3	4	5	6
MONDAY		MBT III B.Sc		MBP II B.Sc	MBP II B.Sc	MBP II B.Sc
TUESDAY		MBT III B.Sc	MBT I B.Sc	MBP III B.Sc	MBP III B.Sc	MBP III B.Sc
WEDNESDAY	MBT II B.Sc	MBT III B.Sc			MBT I B.Sc	
THURSDAY	MBT II B.Sc	MBT I B.Sc		MBT III B.Sc		
FRIDAY	MBT II B.Sc		MBT III B.Sc	MBP III B.Sc	MBP III B.Sc	MBP III B.Sc
SATURDAY			MBT III B.Sc	MBP I B.Sc	MBP I B.Sc	MBP I B.Sc

2018-2019 EVEN SEMESTER

	1	2	3	4	5	6
MONDAY		MBT III B.Sc		MBP II B.Sc	MBP II B.Sc	MBP II B.Sc
TUESDAY	MBT III B.Sc	MBT I B.Sc		MBP III B.Sc	MBP III B.Sc	MBP III B.Sc
WEDNESDAY	MBT III B.Sc			MBP III B.Sc	MBP III B.Sc	MBP III B.Sc
THURSDAY		MBT II B.Sc			MBT II B.Sc	
FRIDAY	MBP I B.Sc	MBP I B.Sc	MBP I B.Sc		MBT I B.Sc	
SATURDAY	MBT II B.Sc				MBT I B.Sc	

2019-2020 ODD SEMESTER

	1	2	3	4	5	6
MONDAY		MBT III B.Sc		MBP II B.Sc	MBP II B.Sc	MBP II B.Sc
TUESDAY		MBT III B.Sc	MBT I B.Sc	MBP III B.Sc	MBP III B.Sc	MBP III B.Sc
WEDNESDAY	MBT II B.Sc	MBT III B.Sc		MBT II B.Sc	MBT I B.Sc	
THURSDAY			MBT III B.Sc		MBT II B.Sc	MBT I B.Sc
FRIDAY			MBT III B.Sc	MBP III B.Sc	MBP III B.Sc	MBP III B.Sc
SATURDAY			MBT III B.Sc	MBP I B.Sc	MBP I B.Sc	MBP I B.Sc

2019-2020 EVEN SEMESTER

	1	2	3	4	5	6
MONDAY	MBT III B.Sc			MBP II B.Sc	MBP II B.Sc	MBP II B.Sc
TUESDAY	MBT III B.Sc	MBT I B.Sc		MBP III B.Sc	MBP III B.Sc	MBP III B.Sc
WEDNESDAY	MBT III B.Sc			MBP III B.Sc	MBP III B.Sc	MBP III B.Sc
THURSDAY		MBT II B.Sc			MBT II B.Sc	
FRIDAY	MBP I B.Sc	MBP I B.Sc	MBP I B.Sc	MBT I B.Sc		
SATURDAY	MBT II B.Sc	MBT I B.Sc				

2020-2021 ODD SEMESTER

	1	2	3	4	5	6
MONDAY		MBT III B.Sc		MBP II B.Sc	MBP II B.Sc	MBP II B.Sc
TUESDAY		MBT III B.Sc	MBT I B.Sc	MBP III B.Sc	MBP III B.Sc	MBP III B.Sc
WEDNESDAY	MBT II B.Sc		MBT I B.Sc			
THURSDAY		MBT II B.Sc	MBT III B.Sc			MBT I B.Sc
FRIDAY	MBT II B.Sc	MBT III B.Sc	MBT III B.Sc	MBP III B.Sc	MBP III B.Sc	MBP III B.Sc
SATURDAY		MBT III B.Sc		MBP I B.Sc	MBP I B.Sc	MBP I B.Sc

2020-2021 EVEN SEMESTER

	1	2	3	4	5	6
MONDAY	MBT III B.Sc		MBT I B.Sc			
TUESDAY	MBT III B.Sc			MBP III B.Sc	MBP III B.Sc	MBP III B.Sc
WEDNESDAY	MBT III B.Sc			MBP III B.Sc	MBP III B.Sc	MBP III B.Sc
THURSDAY		MBT II B.Sc			MBT II B.Sc	
FRIDAY	MBP I B.Sc	MBP I B.Sc	MBP I B.Sc	MBT I B.Sc		
SATURDAY	MBT II B.Sc		MBT I B.Sc	MBP II B.Sc	MBP II B.Sc	MBP II B.Sc

2021-2022 ODD SEMESTER

	1	2	3	4	5	6
MONDAY	MBT II B.Sc	MBT III B.Sc	MBT I B.Sc		MBP III B.Sc	MBP III B.Sc
TUESDAY	MBT III B.Sc	MBT I B.Sc		MBT III B.Sc	MBP II B.Sc	MBP II B.Sc
WEDNESDAY	MBT I B.Sc		MBT III B.Sc	MBT II B.Sc	MBT II B.Sc	
THURSDAY	MBT II B.Sc	MBT III B.Sc	MBT I B.Sc		MBP III B.Sc	MBP III B.Sc
FRIDAY	MBT III B.Sc		MBT III B.Sc		MBT II B.Sc	
SATURDAY		MBT III B.Sc		MBP I B.Sc	MBP I B.Sc	

STUDENTS PROFILE:

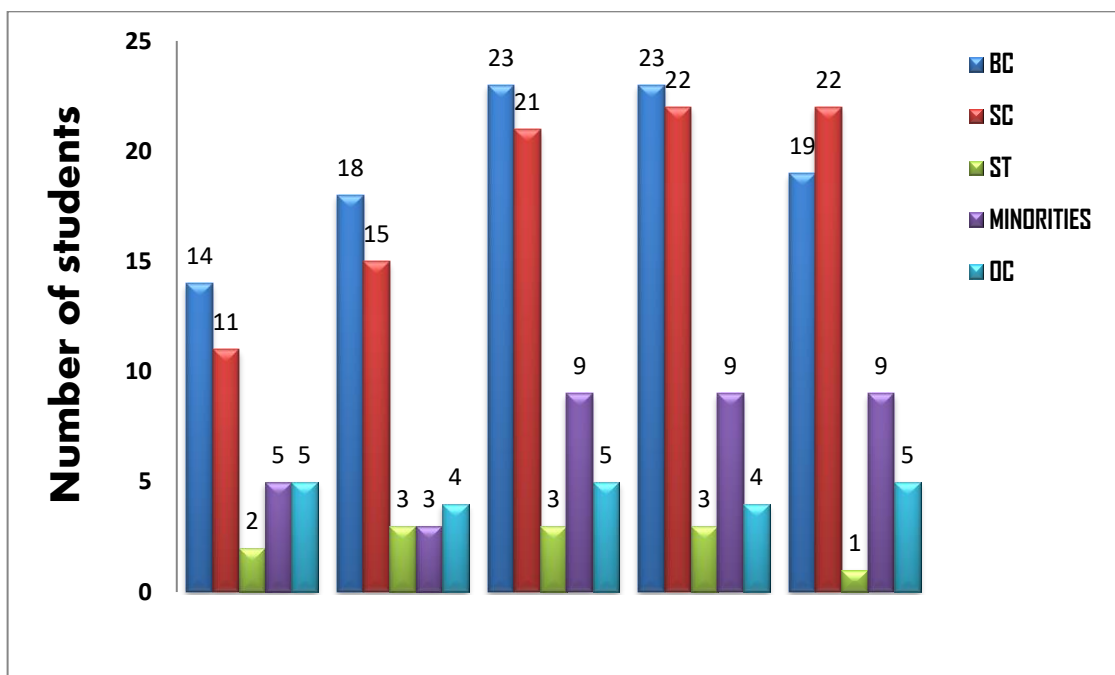
Student Strength

Academic Year	Class	Boys	Girls	Total
2018-19	I Year	2	5	7
	II Year	2	3	5
	III Year	0	0	0
2019-2020	I Year	2	3	5
	II Year	2	5	7
	III Year	2	3	5
2020-2021	I Year	0	0	0
	II Year	2	3	5
	III Year	2	5	7
2021-2022	I Year	5	4	9
	II Year	0	0	0
	III Year	2	3	5
2022-2023	I Year	14	14	28
	II Year	5	4	9
	III Year	0	0	0

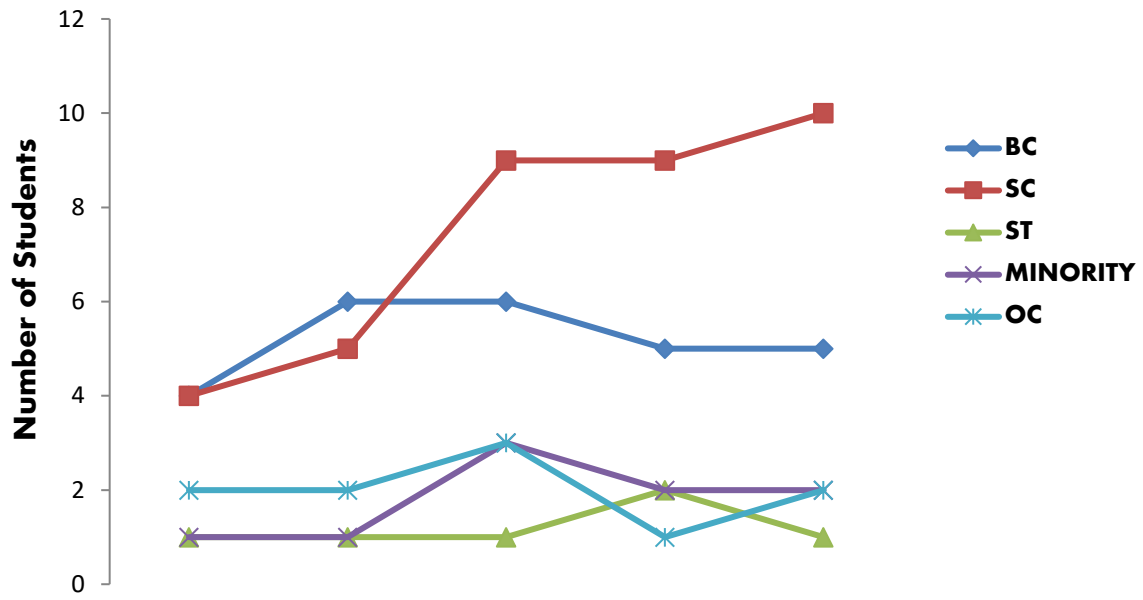
Social Profile of the Students:

<i>Academic Year</i>	<i>Year</i>	<i>BC</i>		<i>SC</i>		<i>ST</i>		<i>MINORITIES</i>		<i>OC</i>		<i>TOTAL</i>	
		<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>
2018-2019	<i>I Year</i>	1	2	1	2	1	1	1	0	2	1	6	6
	<i>II Year</i>	3	5	2	3	0	0	0	1	0	1	5	10
	<i>III Year</i>	0	3	1	2	0	0	0	3	0	1	1	9
2019-2020	<i>I Year</i>	2	5	2	5	0	1	0	1	0	0	4	12
	<i>II Year</i>	1	2	1	2	1	1	1	0	2	1	6	6
	<i>III Year</i>	3	5	2	3	0	0	0	1	0	1	5	10
2020-2021	<i>I Year</i>	3	10	6	5	0	0	2	5	1	1	12	21
	<i>II Year</i>	2	5	2	5	0	1	0	1	0	0	4	12
	<i>III Year</i>	1	2	1	2	1	1	1	0	2	1	6	6
2021-2022	<i>I Year</i>	0	3	1	3	2	0	0	1	0	2	3	9
	<i>II Year</i>	3	1	6	5	0	0	2	5	1	1	12	21
	<i>III Year</i>	2	5	2	5	0	1	0	1	0	0	4	12
2022-2023	<i>I Year</i>	2	1	3	4	1	0	0	1	1	0	7	6
	<i>II Year</i>	0	3	1	3	0	0	0	1	0	2	3	9
	<i>III Year</i>	3	1	6	5	0	0	2	5	1	1	12	21

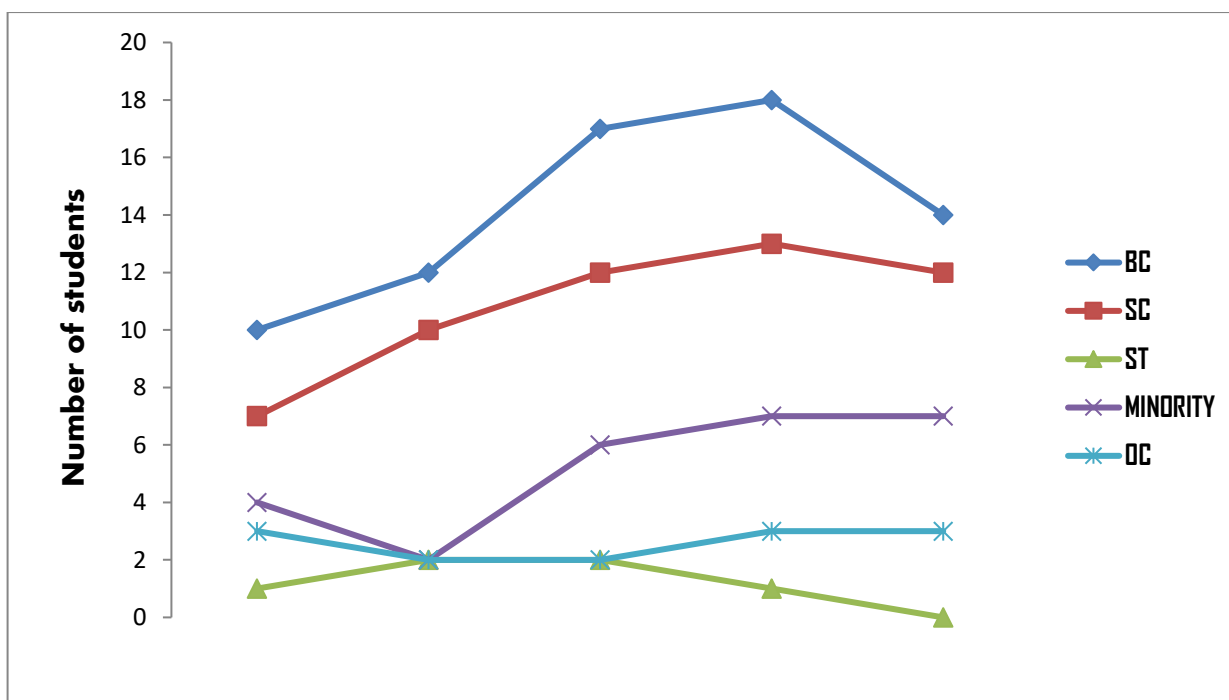
Year wise social profile of the students



Year wise social profile of the male students



Year wise social profile of the female students

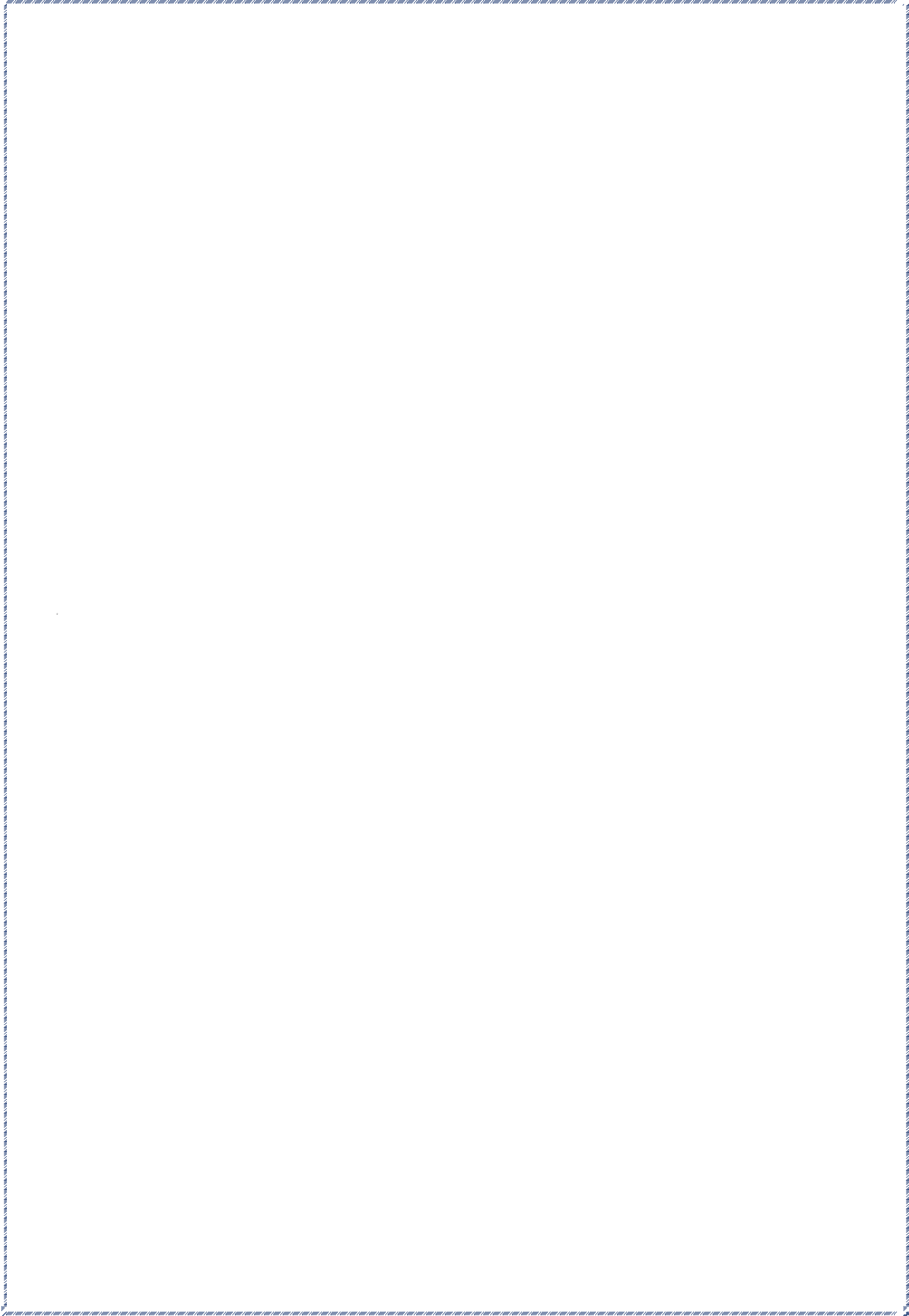


Result analysis of the Microbiology Department

YEAR	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Number of students attended	0	0	7	5	0
Number of students passed	0	0	7	5	0
Pass percent (%)	NA	NA	100	100	NA

FACULTY PROFILE

<i>S.No</i>	<i>Name of the Lecturer</i>	<i>Designation</i>	<i>Qualifications</i>	<i>Date of joining as Lecturer</i>	<i>Present station</i>	<i>Gender</i>	<i>Social Status</i>	<i>No. of Years of Experience</i>
1.	K.USHA SREE	Regular lecturer	M.Sc. Ph.D.	2008	2017-21	Female	BC	22
2.	P.SIVAR AAGINI	Contract Lecturer	M.Sc. Ph.D	2005	2021-23	Female	BC	22
3.	G.Prasad	Reglar lecturer	M.Sc.	2011	2023-present	Male	OC	22



**Staff of the Department involved in College Committees /
Membership(s) in Associations / Boards from 2018-19 to 2022-23**

[illegible]

II B.Sc - Student seminars in odd semester (Black Board Teaching)

S.NO	REG NO	Student name	Seminar and Assignments Topic covered:
1.	230310501	A.HEMASUDHA	Food spoilage
2.	230310502	A.RAJASEKHAR	Probiotics
3.	230310503	B.VENKATESH	
4.	230310504	B.MAMATHA	Mycorriza
5.	230310505	C.Z.JABASTI	Food Intoxication
6.	230310507	G.VENKATESH	Biological nitrogen fixation
7.	230310508	G.THANSREE	Salmonellasis
8.	230310509	K.GOWTHAM	Food preservation methods
9.	230310510	K.S.V.PRASAD	Mycorriza
10	230310511	K.VAMSI	Yeast
11.	230310512	M.RAMYA	Amylase fermentation
12.	230310513	M.DEVIPRASAD	Cyanobacteria
13.	230310514	M.HIMABINDU	Tomato leaf curl
14.	230310515	M.REVATHI	Probiotics
15.	230310517	N.SRAVAN	Aquatic environment
16.	230310518	N.BHANU	Spoilage of fruits/vegetables
17.	230310519	N.KISHORE	
18.	230310522	FATHIMA	Microbial production of cheese
19.	230310523	S.BHARGAVI	Treatment and safety of drinking water
20.	230310525	S.ROSHINI	Microbial production of Ethanol
21.	230310526	S.SUMIYA	Microbial production of Penicillin
22.	230310527	S.IMRAN	
23.	230310528	T.SILPA	Frankia
24.	230310529	V.BHARATH	Food intoxication

II B.Sc - Student seminars in even semester (OHP Presentation)

S.NO	REG NO	Student name	Seminar and Assignments Topic covered:
1.	230310501	A.HEMASUDHA	Food spoilage
2.	230310502	A.RAJASEKHAR	Recombinant hepatitis B vaccine production
3.	230310503	B.VENKATESH	Microbial polysaccharides
4.	230310504	B.MAMATHA	Microbial biosensors
5.	230310505	C.Z.JABASTI	Biopesticides
6.	230310507	G.VENKATESH	Biogas production
7.	230310508	G.THANSREE	Intellectual property rights
8.	230310509	K.GOWTHAM	Biofuels
9.	230310510	K.S.V.PRASAD	Bioremediation
10.	230310511	K.VAMSI	Recombinant hepatitis B vaccine production
11.	230310512	M.RAMYA	Recombinant hepatitis B vaccine production
12.	230310513	M.DEVIPRASAD	
13.	230310514	M.HIMABINDU	
14.	230310515	M.REVATHI	Microbial biosensors
15.	230310517	N.SRAVAN	Whole cell immobilization
16.	230310518	N.BHANU	Biopesticides
17.	230310519	N.KISHORE	Biofertilizers
18.	230310522	FATHIMA	Microbial production of biopesticides
19.	230310523	S.BHARGAVI	High fructose syrup production
20.	230310525	S.ROSHINI	Biogas production
21.	230310526	S.SUMIYA	Streptokinase
22.	230310527	S.IMRAN	
23.	230310528	T.SILPA	Intellectual property rights
24.	230310529	V.BHARATH	Recombinant hepatitis B vaccine production
25.			

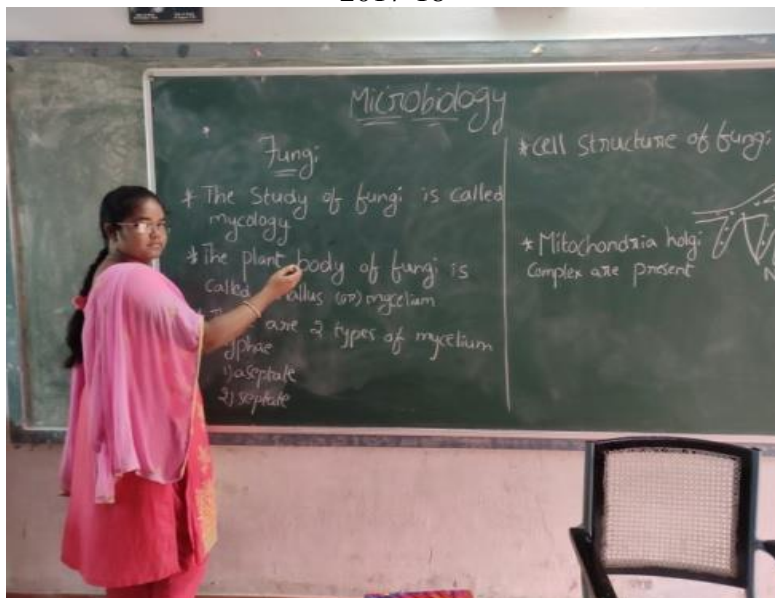
MICROBIOLOGY DEPARTMENT

PEDAGOGY METHODS

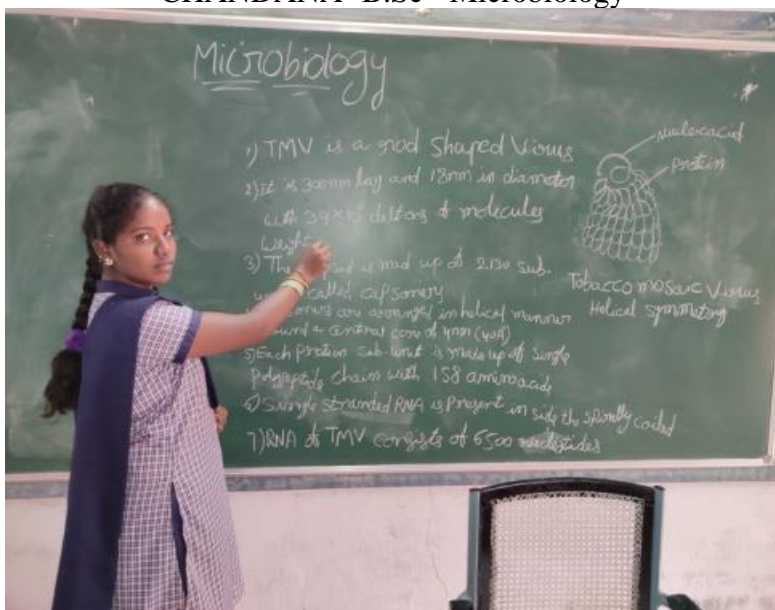
STUDENT SEMINARS

Student seminars help students to have thorough knowledge on a topic and increase confidence and help to overcome stage fear.

2017-18



CHANDANA- B.Sc - Microbiology



MANJARI- B.Sc.- Microbiology
2018-19



DWRAKANATH- B.Sc. - Microbiology



NAVEENA KUMARI- B.Sc. - Microbiology

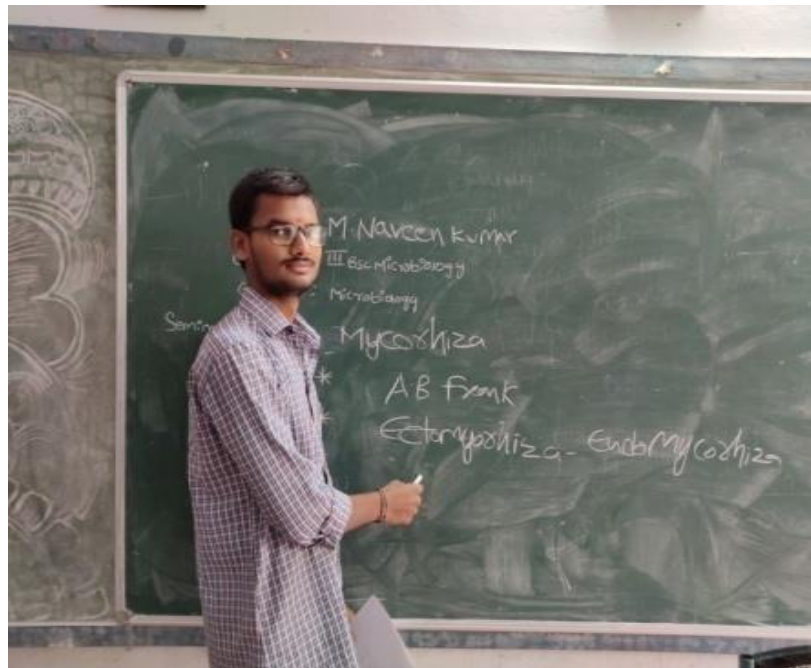
2020-21



GOWTHAMI- B.Sc.- Microbiology



RESHMA- B.Sc.- Microbiology



SREEKANTH- B.Sc.- Microbiology



SOUJANYA- B.Sc.- Microbiology
2022-23

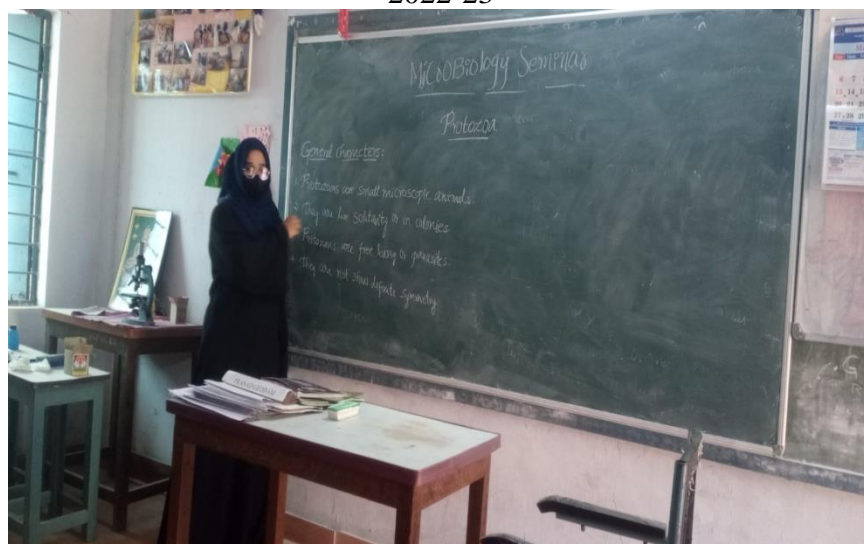


ATHIYA- B.Sc.- Microbiology



RESHMA- B.Sc.- Microbiology

2022-23



SUMIYA- B.Sc.- Microbiology



BHANU- B.Sc.- Microbiology



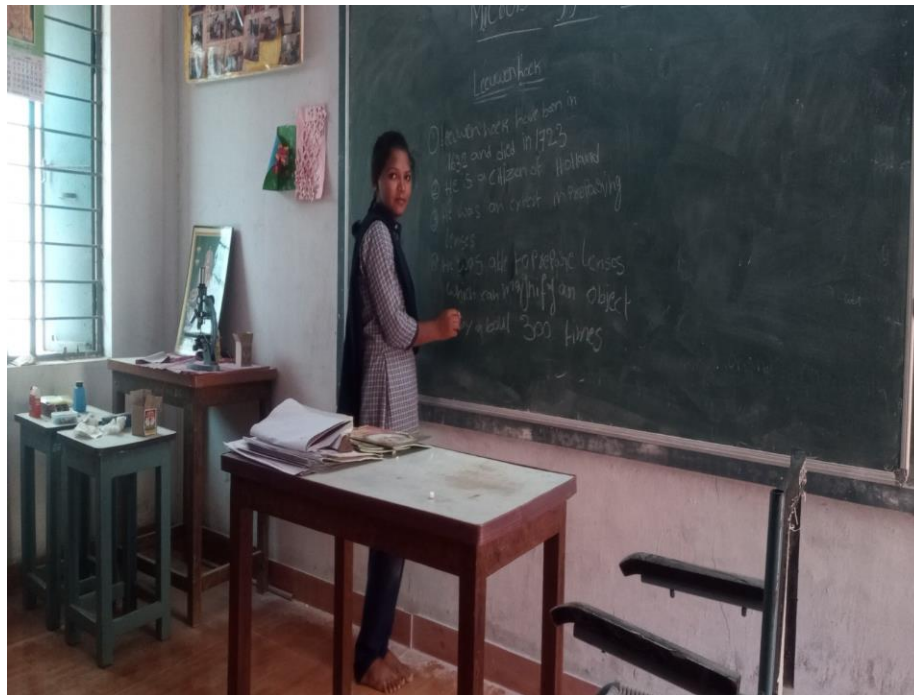
HIMABINDU- B.Sc.- Microbiology



THANUSREE- B.Sc.- Microbiology



RAMYA- B.Sc.



JABASTHI – B.Sc.



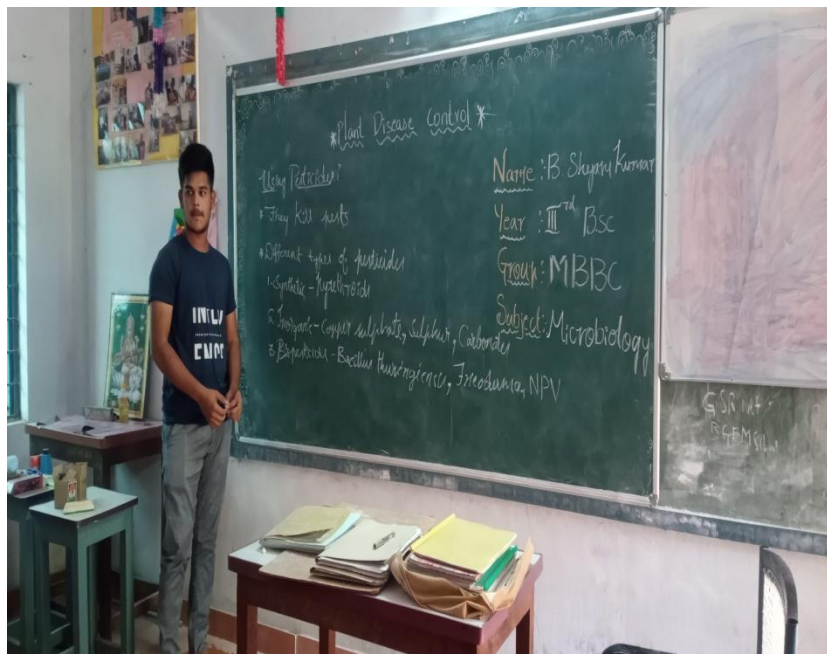
MAMATHA - B.Sc.



BHARATH - B.Sc.



DEVI PRASAD - B.Sc.



SHYAM KUMAR III B.Sc.

USING ICT METHOD

ICT involves use of latest technology. These methods help students to improve their knowledge in latest technologies and keep them up to date.

2018-19



UDYA KUMAR - B.Sc.

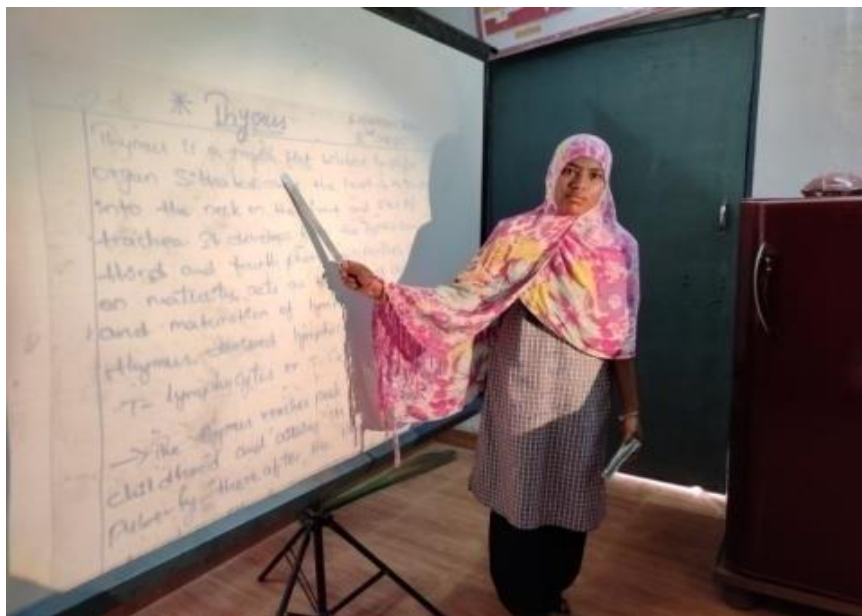
2019-20



RAMYA - B.Sc.
2020-21

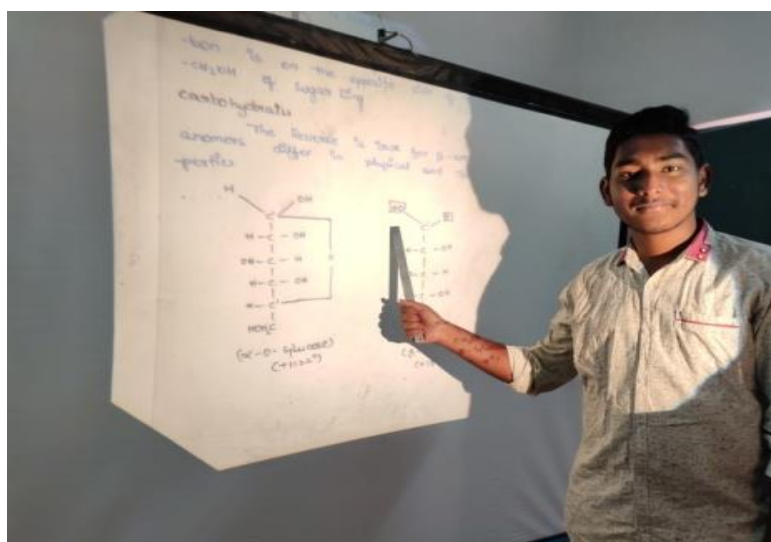


SHAIK CHAND B.Sc.
2021-22



RESHMA B.Sc.

2022-23



VAMSI - B.Sc.

2022-23



QUIZ COMPETITIONS

Quiz program helps students to acquire knowledge in different areas and increases chance to get through competitive exams.

2018-19



2019-20



2020-21



2021-22



2022-23



2022-23



EXPERIMENTAL LEARNING

Experimental learning will give clear idea about theory topics. They will have better grip over subject and concept is understood thoroughly.



BLOOD GROUP DETERMINATION



MICROSCOPIC OBSERVATION

MANA TV - LMS



Students get chance to attend classes conducted by subject experts of different colleges.

GROUP DISCUSSION

Group discussions will help to overcome inhibitions and help to increase self confidence.

2018-19



2019-20



2020-21



2021-22



2022-23



2022-23

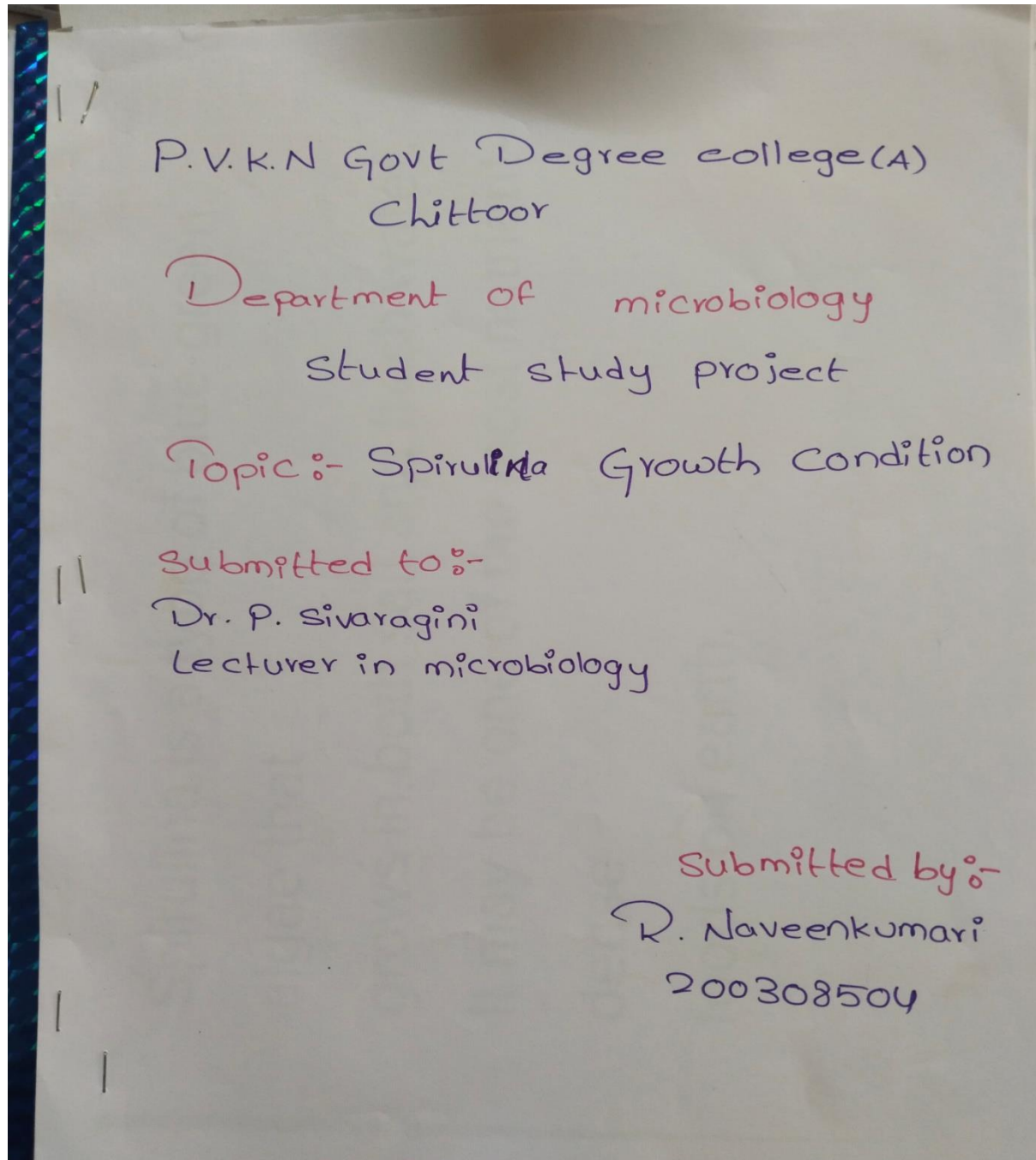


2022-23

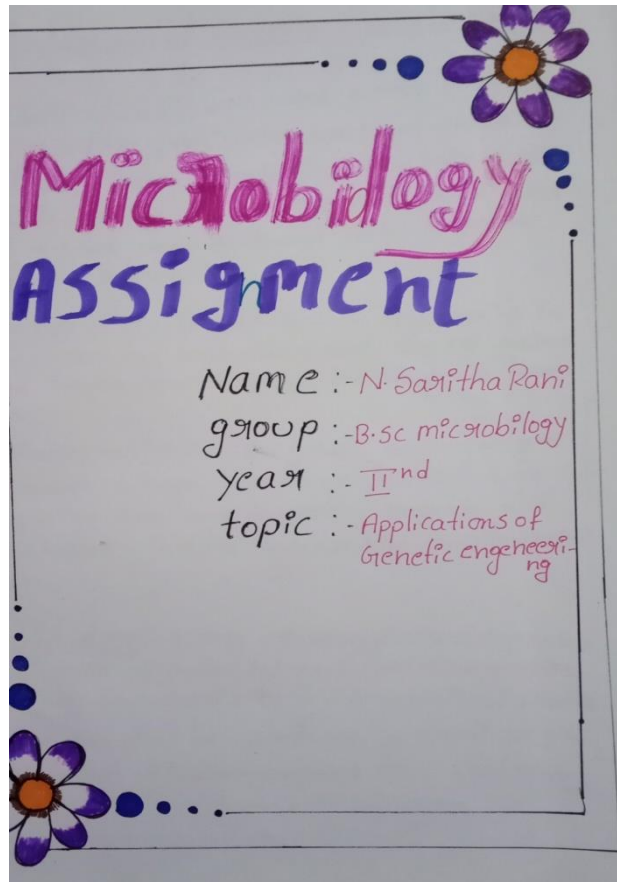


STUDENT STUDY PROJECTS

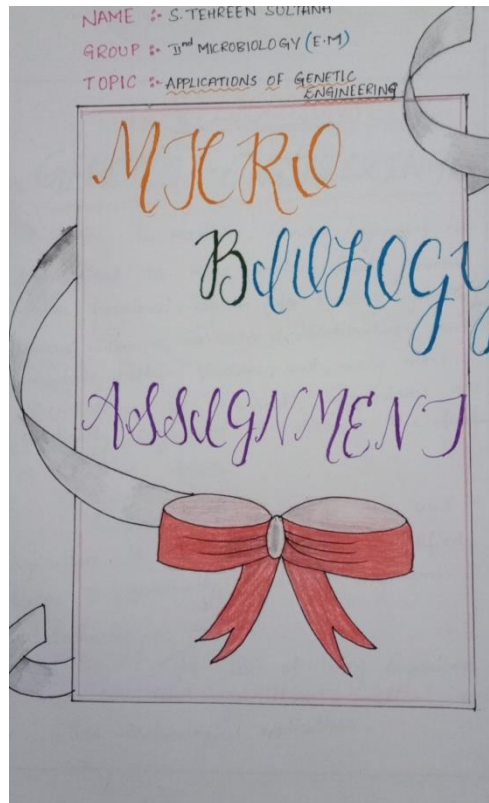
Student study projects help students to acquire knowledge regarding research methodology.



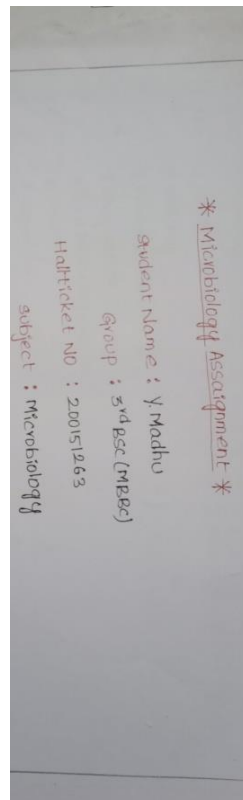
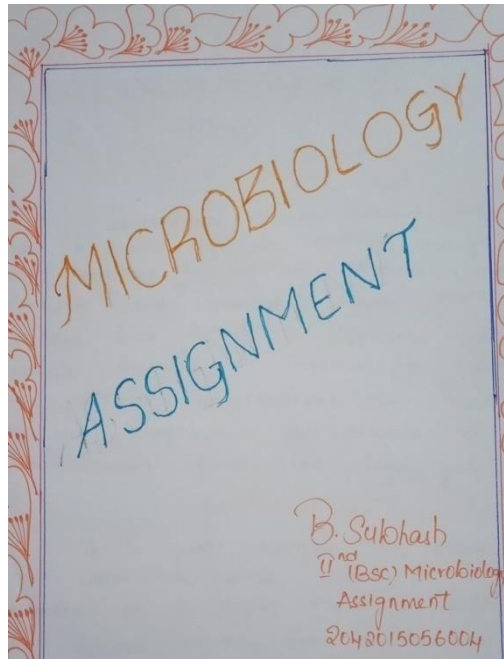
ASSIGNMENTS – 2018-19



2019-20



2020-21



2021-22

NAME :- B. HASEENA
CLASS :- III YEAR
GROUP :- B.Sc [MICROBIOLOGY]
SUBJECT :- MICROBIOLOGY
HTNO :- 200151251
TOPIC :- EDIBLE MUSHROOMS
SEMINAR :-
ASSIGNMENTS :- 1

Name :- T. Blessy
group :- B.Sc (Microbiology)
HTNO :- 200151262
Topic :- Vitamins.

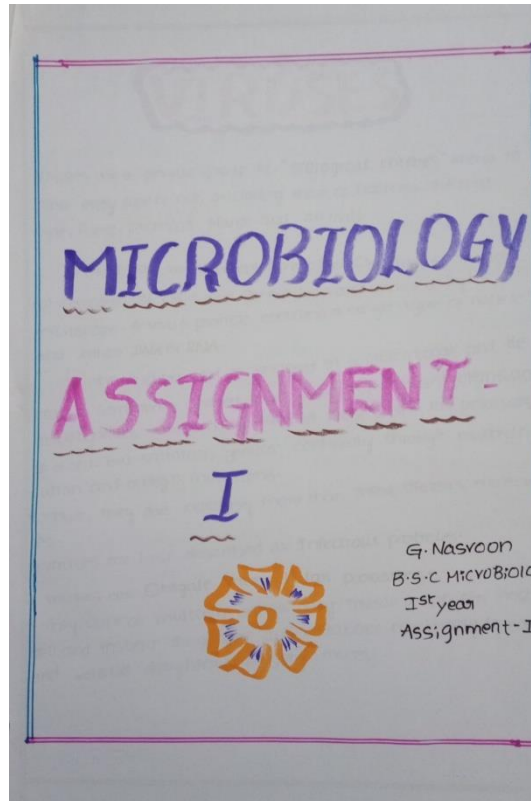
2022-23

Name : B. Shyam Kumar
Course : BSc (Microbiology)
Year : 3rd Year
Subject : Microbiology
Topic : Production of Wine.

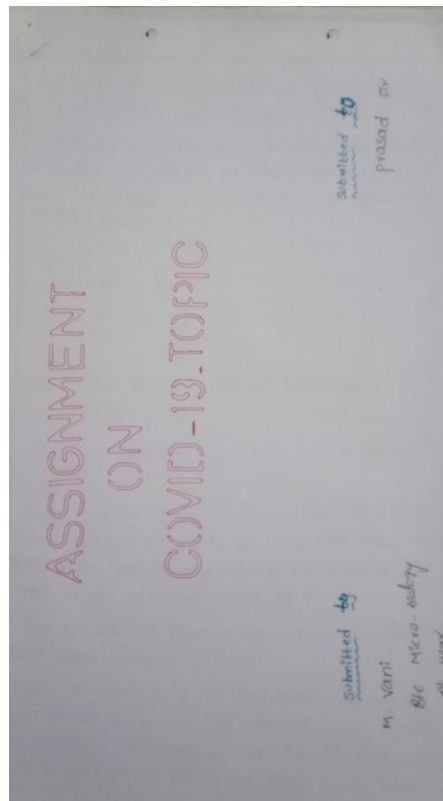
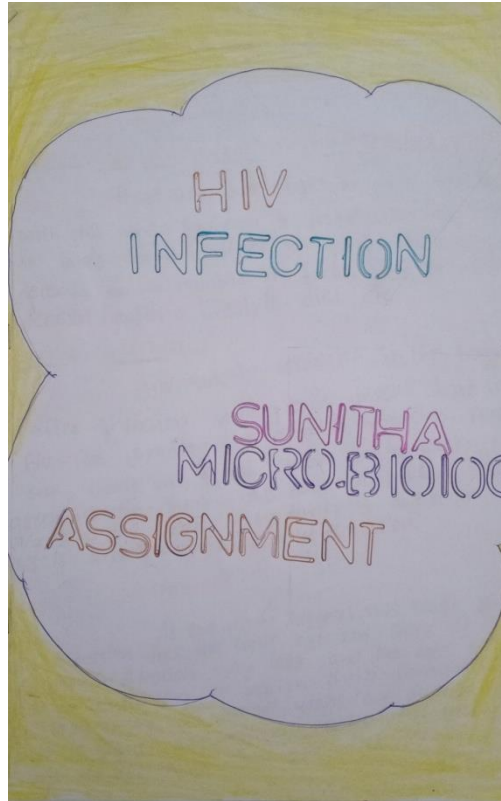
Shak Ajsha Siddhant
1st Year B.S.C Microbiology
1st Sem Microbiology Assignment

MICROBIOLOGY
ASSIGNMENT

2022-23



2022-23





GUEST LECTURE BY DR.K.USHASREE



GUEST LECTURE BY DR.K.USHASREE



COUNCELLING SESSION



GUEST LECTURE BY DR.SANDHYA PRIYA

BEST PRACTICES

HEMOGLOBIN ESTIMATION TO STUDENTS





Group discussions in Microbiology Lab



Blood Grouping Test by a Student



Observation of white blood cells by a student



Fresher's day celebration



LMS VIDEOS

STUDY PROJECTS

PVKN GOVT COLLEGE (A), CHITTOOR
DEPARTMENT OF MICROBIOLOGY
NOMINAL ROLL FOR 2022-2023 ADMITTED BATCH
COMMUNITY SERVICE PROJECT

SN	REG NO	NAME OF STUDENT	TITLE OF PROJECT
1	230310501	AVULA HEMA SUDHA	Survey on education
2	230310503	BEEDAM VENKATESH	Survey on education
3	230310504	BODIREDDY MAMATHA	Agriculture-Plant diseases
4	230310505	C ZION JABASTI	Vaccination
5	230310507	GALI VENKATESH	Survey on education
6	230310508	GOWRABOYANI THANUSRI	Survey on education
7	230310509	KALAVAKUNTA GOWTHAM	Biofertilizers
8	230310510	KARAGATTI SIVA VARA PRASAD REDDY	Survey on education
9	230310511	KOTHAPALLI VAMSI	Balanced nutrition
10	230310512	MARAKALAKUPPAM RAMYA	Survey on education
11	230310513	MAREPALLI DEVIPRASAD	Survey on education
12	230310514	MAREPALLI HIMABINDU	Survey on education
13	230310515	MOTURU REVATHI	Survey on education
14	230310517	N SAGAR SHRAVAN	Balanced nutrition
15	230310518	NAMPALLI BHANU	Cattle farming - Milk
16	230310519	NELLEALLI KISHORE	Balanced nutrition
17	230310522	S ATHIYA FATHIMA	Survey on education
18	230310523	S BHARGAVI	Survey on education
19	230310525	S ROSHNI	Survey on education
20	230310526	SHAIK SUMIYA	Survey on education
21	230310527	SYED IMRAN	Survey on education
22	230310528	T SILPA	Survey on education
23	230310529	V BHARATH	Survey on education

STUDY PROJECTS

PVKN GOVT COLLEGE (A), CHITTOOR

DEPARTMENT OF MICROBIOLOGY

NOMINAL ROLL FOR 2023-2024 ADMITTED BATCH

SHORT TERM INTERNSHIP

SN	REG NO	NAME OF STUDENT	INTERNSHIP
1	230310501	AVULA HEMA SUDHA	Reconnect
2	230310503	BEEDAM VENKATESH	Reconnect
3	230310504	BODIREDDY MAMATHA	Saptagiri Enterprises
4	230310505	C ZION JABASTI	Saptagiri Enterprises
5	230310507	GALI VENKATESH	Reconnect
6	230310508	GOWRABOYANI THANUSRI	Saptagiri enterprises
7	230310509	KALAVAKUNTA GOWTHAM	Jain foods Pvt Ltd.
8	230310510	KARAGATTI SIVA VARA PRASAD REDDY	Jain foods Pvt Ltd.
9	230310511	KOTHAPALLI VAMSI	Jain foods Pvt Ltd.
10	230310512	MARAKALAKUPPAM RAMYA	Saptagiri enterprises
11	230310513	MAREPALLI DEVIPRASAD	Reconnect
12	230310514	MAREPALLI HIMABINDU	Saptagiri enterprises
13	230310515	MOTURU REVATHI	Saptagiri enterprises
14	230310517	N SAGAR SHRAVAN	Jain foods Pvt Ltd.
15	230310518	NAMPALLI BHANU	Global farm fresh
16	230310519	NELLEPALLI KISHORE	Jain foods Pvt Ltd.
17	230310522	S ATHIYA FATHIMA	Saptagiri enterprises
18	230310523	S BHARGAVI	Saptagiri enterprises
19	230310525	S ROSHNI	Saptagiri enterprises
20	230310526	SHAIK SUMIYA	Saptagiri enterprises
21	230310527	SYED IMRAN	Reconnect
22	230310528	T SILPA	Saptagiri enterprises
23	230310529	V BHARATH	Jain foods Pvt Ltd.

