

ANNUAL REPORT

DEPARTMENT OF MICROBIOLOGY

markazmicrobiology@gmail.com

2022-2023





MARKAZ ARTS AND SCIENCE COLLEGE, ATHAVANAD

(Affiliated to the university of calicut)

markazcollege@gmail.com

1. <u>DEPARTMENT PROFILE</u>

The college was reopened on 01/06/2022. The department has 4 Faculty members and 1 lab attender. The department has 112-degree students in which there were 10 boys and 102 girls. The faculty members of the department participated in various webinar/conference, FDP Programme. The department of microbiology conducted various webinar, Certificate course, soft skill, career guidance programme, Extension activity and exhibition programme in this academic year and detailed report is given below.

STARTING OF THE ACADEMIC YEAR: 01st JUNE 2022

ASSOCIATION SECRETARY: SUFAILA NEZRI.M

PROGRAMME COORDINATOR: SHAMLA A K

2. FACULTIES

No.	NAMES	DUTIES	QUALIFICATION
1	JUMAILA.K. P	Head of the Department	MSc, NET
2	MOHAMMED JASEEL A	Assistant Professor	MSc, NET
3	SHAMLA A K	Assistant Professor	MSc, NET
4	THASNEEM.T (Relieved on 31/10/22)	Assistant Professor	MSc, NET
5	SADIYA.K. P (Joined on 01/11/22)	Assistant Professor	MSc
6	ANILA.T. P	Lab attender	DMLT

3. ADVISORY DETAILS

Mrs. Thasneem.T / Sadiya K P was assigned as the advisory duty for first year BSc, Ms. Shamla. A. K was assigned the duty of advisor of Second year BSc and Mr. Mohammed Jaseel. A was the advisor of third year BSc Microbiology.

4. STUDENTS STRENGTH

SI No.	CLASS	NUMBER OF BOYS	NUMBER OF GIRLS	OTHERS	TOTAL
1	FINAL YEAR	4	34	-	38
2	SECOND YEAR	3	35	-	38
3	FIRST YEAR	3	33	-	36
4	TOTAL	10	102	-	112

5. EXTERNAL EXAMINATION RESULT

ВАТСН	NUMBER OF STUDENTS APPEARED	NUMBER OF STUDENTS PASSED	PERCENTAGE
2022-2023	38	35	92%

6. ACHIEVEMENT / PROGRESSION

The 2021-22 Pass out students got admitted in many colleges all over the country and the outstanding ones among them were JAHANA SHIRIN K K got rank in Calicut university entrance and DIYA. E got rank in Central University entrance. FASANA. V. V got admission in Govt.Arts and Science College, Kozhinjampara



Students Admitted in Central & State Universities through Entrance

7. INDUCTION PROGRAM

On 19/09/ 2022 to 26/ 09/2022 Department of microbiology organized an induction programme for First year microbiology students to give an introduction about BSc microbiology course, syllabus, all subjects come under BSc Microbiology and scope of the programme. This bridge course helps the students to get a brief knowledge about microbiology courses and its various branches. There was a general session for all First-year degree students also about the ragging and discipline.



Induction programme lead by HoD Jumaila. K. P & Mohammed Shafi. C. C

8. IMORTANT DAY CELEBRATIONS by Microbiology Department

a) <u>INTERNATIONAL MICROORGANISM DAY</u>

Microorganism are an essential part of everyday life they are playing essential role for maintaining life in our environment. The mission is to highlight and provide a platform to aware about microorganism and to share their important in the earth.

On 20/9/2022 department of microbiology celebrated IMD in association with IQAC Markaz Arts and science college -athavanad. Department organized some offline events such as orientation program to encourage everyone and to celebrate the role of microorganism also conducted quiz competition and essay writing competition on the topic "unseen heroes of the world". The program conducted in microbiology lab begin with the prayer song there was great enthusiasm among the students and they were looking highly spirited.



Competition winners:

Essay writing

Nithya MT (final year microbiology students won first prize in essay writing)

Quiz competition

- 1. Nidha Hindh. P (3rd year Microbiology)
- 2.Fathima Sabeeha (3rd year Microbiology)
- 3. Aslam Yousuf (3rd year Microbiology)

b) WORLD RABIES DAY

On 28/09 /22 Department of Microbiology celebrated World Rabies Day. It was 16th world rabies day and its theme was "There is one health zero death ". The main aim of the celebration was to highlight the connection of environment with the people and animals. Selected students from final year microbiology given awareness talk to each class of Markaz Arts and Science College-Athavanad.



Muhammed Yaseen, Aslam Yousuf & other final year students giving awareness to students

c) AIDS AWARENESS PROGRAMME (Theam: Equalise)

Awareness Programme on Prevention of HIV/AIDS was organized by Department of Microbiology; Markaz Arts and Science College-Athavanad held on 01/12/,2022 at Thekkekulamb Anganvadi ward number 9-Athavanad panchayath. Welcome speech was given by Dr. CP Mohamed Kutty Principal Markaz Arts and Science College-Athavanad. Thereafter, an awareness lecture given by Mr. Muhammed Yaseen K.K final year Microbiology students and made them aware about HIV/AIDS issues and also shared the concept of RRC (Red Ribbon Club, its objectives and strength. After the lecture students took part in an interaction & cleared their misconception e.g., 'Mosquito bite cannot spread HIV', 'close kiss cannot spread HIV', 'sharing cloths cannot spread HIV' etc. The queries were answered by the speaker. The concluding speech was given by Ms. Sufaila Nezri. N Microbiology association secretary.



Mohammed Yaseen giving AIDS awareness in Anganvadi

9. DETAILS OF SEMINAR CONDUCTED BY THE DEPARTMENT

a) <u>LIFE SKILL PROGRAMME</u>

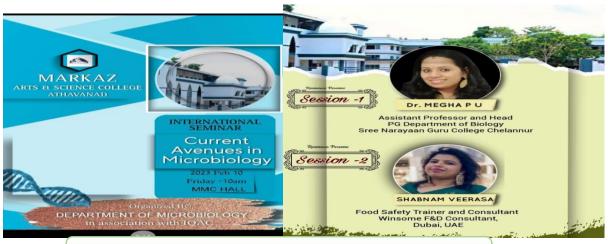
on November 17 department of microbiology organized Seminar on safe food for better tomorrow. The programme inaugurated by college principal Dr. CP Mohamed Kutty and welcome not delivered by head of the department microbiology Mrs. Jumaila KP the seminar was conducted in the seminar hall, session commenced sharp at 11 a.m. Dr Yamuna Kurian food safety office, Tanur circle acted as keynote speaker who spoke on importance of safe food and consequence of consuming spoiled food items. Total 99 students were presented for the seminar the attendance was recorded in a separate sheet.



Dr. YAMUNA KURIAN interacting with students

b) INTERNATIONAL SEMINAR

On 10/02/2023 Department of Microbiology in association with IQAC organized one day International Seminar on Current Avenues in Microbiology at College seminar hall. The programme scheduled as two sessions.



Brochure of International seminar held on 10th February 2023

Session 1

Opening remarks and introduction of the program given by Department HOD Mrs.Jumaila KP and inauguration by Dr CP Mohamed Kutty Principal of Markaz arts and science college-Athavanad. The key notes speaker of the seminar was Dr. Megha P. U, HOD and assistant professor PG department of biology, Sree Narayana Guru college - Chelannur. She spoke about research at Nanoscale also explained ongoing research work and its efficiency in dye degradation and waste water treatment it was very effective. More than 100 students were attended, the programme end up with the vote of thanks by assistant professor Mohammed Jaseel A. The event was hosted by Nidha Hindh, Afra, Hafsa Nasrin and Salama Jasmin Microbiology department students.



Dr. Megha P. U interacting with students

Session 2

Afternoon noon session started at sharp 2.00 pm,through google meet connected with projector. Key note address delivered by Mrs. Shabnam veerasa food safety trainer and consultant Dubai -UAE on the topic an introduction to Food safety. She

spoke about the important of food safety at international level and various certification programme conducting in connection with the food safety trainer and consultant for getting job outside India. The session was really interested and also cleared queries from students regarding quality assurance and quality controller. Name and signature of the students enrolled in a separate sheet finally the session wind up at 3:30 p.m.



Mrs. Shabnam Veerasa interacting with students

c) <u>CAREER ENHANCEMENT PROGRAMME</u>

On 28/02/23 Department of microbiology Markaz Arts and Science College-Athavanad in Association with IQAC under career guidance cell conducted career enhancement programme on medical coding for final year Microbiology students. Mr Binu K from Arown academy enlighten the students with his words. Medical coding is highly in demand- The statistics show employers looking for medical coders and healthcare technicians is much more than any other sectors. Graduates opting to study this vocation stand a big chance of landing into a good job in a reputed company.



d) <u>SOFT SKILL ENHANCEMENT PROGRAMME</u>

The soft skills training provides strong practical orientation to the students. On 27/03/23 department conducted soft skill programme for second year microbiology students. Almost 30 students were participated in the programme. Mrs. Sumayya Valiyakath 2016-19 batch alumni student acted as keynote speaker of the programme. She delivered information which helps them in building and improving their skills in interview, gain necessary skill and improving self confidence in a chosen area.



10.FACULTIES ATTENDED SEMINAR

→ Jumaila. K. P Attended the National Conference 2022 on Phytomedicine-Innovative Approaches & Prospects of Herbal Medicine organized by PG Department of Microbiology, Majlis Arts and Science College-Puramannur in association with KSHEC on 13&14 December 2022

♣ Shamla. A. K Attended the National Conference 2022 on Phytomedicine-Innovative Approaches & Prospects of Herbal Medicine organized by PG Department of Microbiology, Majlis Arts and Science College-Puramannur in association with KSHEC on 13 & 14 December 2022







Participation certificate of Jumaila. K. P & Shamla.A.K

11. PAPER PRESENTATION/ INVITED TALKS BY FACULTIES

a) NATIONAL CONFERENCE 2022 ON PHYTOMEDICINE

♣ Mrs. Jumaila. K. P Presented a Paper on the National Conference 2022 on Phytomedicine-Innovative Approaches & Prospects of Herbal Medicine organized by PG Department of Microbiology, Majlis Arts and

Science College- Puramannur in association with KSHEC on 13&14 December 2022

♣ Ms. SHAMLA. A. K Presented a Paper on the National Conference 2022 on Phytomedicine-Innovative Approaches & Prospects of Herbal Medicine organized by PG Department of Microbiology, Majlis Arts and Science College-Puramannur in association with KSHEC on 13&14 December 2022







Jumaila. K. P & Shamla. A. K Presenting Paper

b) RESEARCH METHODOLOGY CLASS

Department of Physics in association with IQAC, Markaz Arts and Science College, Athavanad organized a Seminar on the topic "steps for making presentation of a project" at Room No. 3 on 14 Febr 2023. Ms. Shamla AK, Assistant Professor, Department of Microbiology. Markaz Arts and Science College, Athavanad was the key speaker of the session. 13 students are participated



12. PROGRAMMES CONDUCTED BY COLLEGE

a) INDEPENDENCE DAY CELEBRATION

On 15/08/2022 Markaz college celebrated 76th Independence Day, Department students participated in various competitions organized on the day. The students from final year degree bagged first place in patriotic group song



Najiha Fida. K. E & team got first prize in patriotic song competition

b) AZADI KA AMRIT MAHOLSAV

It was an initiative of the Government of India to celebrate and commemorate 75 years of independence and glorious history of its pupil culture and achievements. On 31/08/22 Markaz Arts and Science College-Athavanad conducted azadi ka Amrit maholsav. Students from Microbiology department participated in various programme. They got first prize in patriotic song (Najiha Fida. K.E and team), poster making (Rafa Nazlin. A & Najiha Fida. K.E) and Group dance competition, certificates was awarded to all participants.



Microbiology students bagged first prize in patriotic song, poster making and group dance

c) FOOD FEST

Markaz Arts and Science College-Athavanad Conducted 2 days food fest from 22/10 /22 to 23/10 / 22 the event was a great success in terms of wide variety of food items that were 3 stalls from microbiology department creatively decorated. It was a fine learning experience for the students to acquire entrepreneurship skill. The inauguration was done by Dr.CP Mohamed Kutty in the presence of Markaz joint secretary and Kuttippuram block panchayat member Azad Ali K. P. Every

stall did well and the students worked hard for the fest and the programme end up at 3:30 p.m.



Microbiology stalls in food fest

13. DETAILS OF STUDENTS ATTENDED IN OTHER INSTITUTION'S PROGRAMS/TRAINING/ INTERNSHIP

a) NATIONAL CONFERENCE

24 students from microbiology department participated in national conference organised by PG department of microbiology, Majlis Arts and Science College - Puramannur on 13/12/22 to 14/12/22. Five students from the department, Najiha Fida.K.E, Salama Jasmin, Afra, Nithya and Aslam Yousuf, presented paper on various topics and they provided presentation and participation certificate for the students



Students presenting and participating in national conference

b) <u>LAB TRAINING/WORKSHOP PROGRAMME</u>

Session 1: introduction to workshop and objective

On 08th and 09th March -2023 department of microbiology in Association with IQAC conducted 2-day training program for first year students on the topic microbiology laboratory practices in hospital field. 36 students were participated. The training programme began with the welcome note delivered by Mrs Sadiya KP assistant professor -microbiology department and invited Mr. Mohamed Mustafa (research guide) Geno bio clinical diagnostic and molecular research centre Kottakkal to give an introduction about the training programme. The programme was based on the collaboration signed between both parties

Session 2: on Methods used in hospital Microbiology laboratory.

Afternoon session explained about various techniques, reagents and instrument used in hospital laboratory practices and how to interpret each test results explained well. The session given by Mrs. Shahla, microbiologist (Geno

bio). It helps the students to occur many information regarding medical laboratory practices as a microbiologist.







Mr. Mohamed Mustafa & team enlightening the students with laboratory skill

c) INTERNSHIP IN BIO SINO LAB

Department provided training in microbiology for two selected advanced learners along with funding during the academic year 2022-23. Nidha Hindh. P and Jisma Sherin. K. V got the training from the Bio Sino lab, Alathiyur. The programme was based on the collaboration signed between both parties





Training certificate of the students

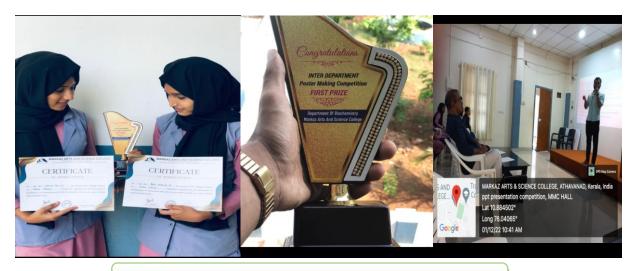
14. COLLABORATION AND MOU DETAILS

Department of microbiology Markaz Arts and Science College Athavanad signed collaboration with Arown academy- Perinthalmanna, Biosino diagnostic and Research centre-Tirur, Geno-bio clinical diagnostic and molecular research Centre-Kottakkal. MoU signed with Amplicon Bio-Labs KINFRA Techno Industrial Park, Kakkanchery on various purpose to achieve a mutual understanding and development of the partnership.

15. INTER DEPARTMENT COMPETITION

a) WORLD AIDS DAY

As a part of World AIDS day PG department of biochemistry organised AIDS day poster making competition Rafa Nazlin. A and Najiha Fida. K. E of Second year microbiology students won first prize in poster making competition on the topic equalize. Department head Mrs. Seena.P presented memento to the winners. Mohammed Yaseen.K.K 3rd year participated in PPT presentation.



Poster presentation certificates and paper presentation

b) FACE PAINTING COMPETITION

On 12th October 2022 PG department of Psychology conducted face painting competition as a part of mental health day. Department conducted face painting competition the topic Happiness. Vismaya velayudhan and Iffath Parvin (3rd year Microbiology students) won 2nd prize for face painting competition.



Face painting competition

16. EXTENSION ACTIVITY

RESEARCH GUIDANCE AND EXTENSION.

Department provided research guidance support for the following institutions

a) NATIONAL SCHOOL OF HIGHER SECONDARY, KOLATHUR

Regarding request from **National school** of higher secondary kolathur, department of microbiology Makaz arts and Science College provided project extension guidance programme for 2 students regarding school project. School project research program conducted from 27 10 22 to 28/10/22. Mrs. Jumaila KP HOD

department of microbiology provide then for doing research works on the topic and microbial properties of medicinal plant.



Mrs. Jumaila KP assisting the students

b) **GRACE VALLEY COLLEGE, MARAVATTOM**

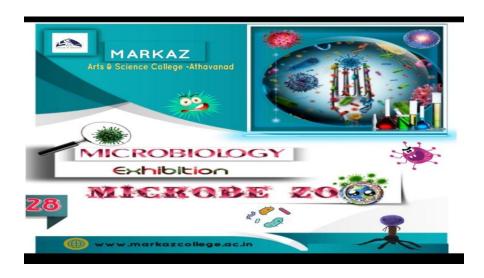
On the request from **Grace valley College**, Department of chemistry department for research help, Microbiology department Markaz Arts and Science College provided research guidance and lab facilities for two students from the department of chemistry from 24/11/22 to 25/11/22. Mrs. Shamla AK, Assistant professor department of Microbiology assist those students for doing project on the topic water quality analysis.



Ms. Shamla A K assisting the students

17. OPEN HOUSE INVOLVEMENT

Open house was organised by all department of Markaz at science college - Athavanad to create awareness about all courses offered by college. It was held in separate classroom and department laboratory on 28 and 01st of February 2023 as a part of PTA.



Microbiology exhibition **contained 2 stalls** showing different branches of microbiology. Students displayed and explained their material using model, chart and test result ,21 students were participated for the event.



Students explaining about stalled experiments and results

18. <u>DETAILS OF CERTIFICATE COURSE</u>

112 students enrolled in 30 hours certificate courses provided in this year on the topic "food safety and personal hygiene" conducted by the department.

19. DETAILS OF SWAYAM COURSE

38 students from second year Microbiology enrolled in SWAYM with course name "Intellectual property rights".

20. <u>DETAILS OF STUDENTS WHO GOT / SELECTION /AWARDS (TO OR FOR) PROGRAMME / SPORTS/ GAMES CONDUCTED BY OTHER INSTITUTIONS.</u>

♣ Abdul Azeez. P of Second year Microbiology participated intercollegiate Mappilapattu competition "Unshoodh" -Season 4 organised by Malabar college of Advanced Studies, Vengara on 20/12/2022.



♣ Aslam Yousuf & the other Volleyball players participated in B-zone Volleyball championship held in SAFA College, Pookkattiri





21. EXTRA CURRICULAR ACHIEVEMENTS OF STUDENTS

a) MURSHID MEMORIAL EXCELLENCE AWARD (2022-23)

The award is given to students who shows his/her excellence in different field in our college as best practice. The tittle winner is given in the memory of Muhammed Murshid U.V. (2013-2016 B. Com) of our college. The award contains various level to identify the excellent student. **Fathima Hamna K T** of first year microbiology won 4th prize in excellence award.





Excellency Award winners

b) **PROFICIENCY PRIZE**

Proficiency award is a merit award, given to students at the end of academic year who scored first position in all university semester examination which are published. Nidha hindh. P of 3rd year microbiology won proficiency prize of this academic year from our department.



c) KALAHA ARTS DAY:

Ayisha sana of Second year microbiology awarded with cash prize for suggesting name "KALAHA" for arts festival 2022-23 academic year.

Fine arts festival of Markaz Arts and Science College "KALAHA" was held on March 2023. The Off-stage items were successfully conducted on 22^{nd} and 23^{rd} February 2023 .The On-stage competitions were held on 22 & 23 February and it

was inaugurated by **GOKUL KARMA** (singer). **Abdul Azeez.P** of Second year Microbiology won the title "**Kalaprathibha**"

ACHIEVERS:

Si. No	NAME OF STUDENT	CLASS	PRIZE	COMPETITION
1	HAFSA NASRIN	THIRD YEAR	FIRST	DEBATE - ENGLISH
2	NAJIHA FIDA K E	SECOND YEAR	SECOND	EMBROIDERY
3	SALAMA JASMIN	SECOND YEAR	SECOND	DEBATE - ENGLISH
4	FATHIMA SABEEHA	THIRD YEAR	SECOND	STORY WRITING-ENGLISH
5	AFNA KUZHIKKARAKKATTIL	FIRST YEAR	FIRST	STORY WRITING-MALAYALAM
6	NAJIHA FIDA K E	SECOND YEAR	SECOND	POSTER MAKING
7	FAZNA K M	SECOND YEAR	SECOND	CARTOON
8	VISMAYA	THIRD YEAR	FIRST	PENCIL DRAWING
9	NOORUL AFEEDHA T N	SECOND YEAR	FIRST	OIL PAINTING
10	VISMAYA	THIRD YEAR	SECOND	WATER COLOURING
11	FIDHA M	SECOND YEAR	THIRD	CARTOON
12	NAJIHA FIDA K E	SECOND YEAR	FIRST	MAPPILAPPATTU
13	ABDUL AZEEZ P	SECOND YEAR	FIRST	MAPPILAPPATTU
14	ABDUL AZEEZ P	SECOND YEAR	FIRST	LIGHT MUSIC
15	NAJIHA FIDA K E	SECOND YEAR	FIRST	LIGHT MUSIC
16	FAHMIDHA BINSI	SECOND YEAR	SECOND	MAPPILAPPATTU



d) **SPORTS MEET**

ITEM	NAME	CLASS	PLACE
Throw ball	FAZNA K M	SECOND YEAR	First
1500m Walking	SHADHI	FIRST YEAR	First
Throw ball	RIYA HAFSATH	FIRST YEAR	First
Throw ball	RASHIDA K	FIRST YEAR	First
High jump	RIYA HAFSATH	FIRST YEAR	Third

e) WOMEN EMPOWERMENT CELL 2022-2023

Women Empowerment Cell (WEC) has been constituted to empower and safeguard the rights of female members; faculty, staff and students of college. The first meeting of women empowerment cell of the academic year 2022-2023 was held on 02/06/2022 at room number 20. The main agenda of the meeting was the selection of executive members and to prepare the action plan. As per the suggestions from the students, **SANHA PARVEEN** from 3rd year Microbiology was selected as the President of the cell. Ten executive members were also selected.

Other programmes conducted by women cell in the academic year 2022-23 includes: Seminar on 'Food Safety Day'& Gender Awareness, Awareness class on Kitchen Chemistry, REACH Orientation Program, Abacus training program, Poster Making Competition, Mobile Library Inauguration and women's day celebrations.

f) **C-ZONE PARTICIPATION**

Abdul Azeez. P and Najiha Fida.K.E & team were participated in mappilappattu sinlge & group competition and Liyana Iqbal & team of First year microbiology bagged 4th position with A Grade in Oppana competition









22. CO CURRICULAR ACTIVITIES

NSS

The following students of second year B.Sc. Microbiology –Abdul Azeez. P, Aswin, Mohammed Swalih. P, Gopika. P. V, Nidha.M, Fidha.M, Shana Shirin. V, Archana. P.V-attended seven days NSS camp "No No" organized at TRK AUPS School, Vykathoor, Valanchery from 24th -30th December 2022.



23.FACULTY AWARD

Shamla.A.K of department got faculty award





24.<u>INDUSTRIAL VISIT</u>

a. KERALA VETERINARY ANIMAL SCIENCE UNIVERSITY- WAYANAD.

On 19/08/ 2022 department of microbiology organised an industrial visit to Kerala veterinary and animal science for the second year BSc microbiology students. Programme coordinated by Mrs. Shimla AK and Mr. Muhammed jassel A. Total 35 students along with two coordinators were there in the journey. The visit helped the students to a care knowledge about sustainable sustainability of living organism with their ecosystem, recent trends in communicable diseases also acquired knowledge about necessary precautions and observed exhibition of living animal model.



b. MILMA KOZHIKODE DIARY PERINGOLAM- KUNNAMANGALAM

First year microbiology and biochemistry students visited Milma Kozhikode diary peringolam- Kunnamangalam with two faculty members from each department.36 students from Microbiology visited Milma diary on 03/03/23, help them to impart knowledge in diary microbiology.



c. <u>COLLEGE OF DIARY SCIENCE AND TECHNOLOGY-KOLAHALAMEDU</u>

On 13/03/ 2023 second year BSc microbiology29 student Visited College of diary science and technology, Wayand. Programme coordinated by Mrs. Shimla AK and Mr. Muhammed jassel A. It helps the studenent to visit the most important diary and food plants across the country.





25. <u>REPORT OF MICROBIOLOGY DEPARTMENT ALUMNI 2022-23</u>

2019-22 batch conducted alumni meet up on 30/08/22 at Markaz arts and science college-Athavanad. All alumni gathered at 2.30pm, all members met their teachers shared some beautiful memories of their campus life. Also had interaction session with some of the juniors. Cleared their doubt regarding central university examination. Mr. Hunais Babu sincerely expressed his gratitude to the department for the academic support.



26. <u>DEPARTMENT PTA MEETING</u>

Semester wise department conducted total 5 PTA in this academic year

During the academic year 2202- 23 department of microbiology conducted PTA meeting for 1st year 2nd year and final year students. Mainly intended to facilitate parental participation in a college also to evaluate students Internal mark and University semester exam result. It will help the parents to understand the academic status of their childrens.

SL.NO	PTA meeting held on	Semester/Year
1.	30/06/22	5th semester
2.	26/07/22	3rd semester
3.	19/09/22	General PTA
4.	01/11/2022	6th semester
5.	28/02/23	First semester