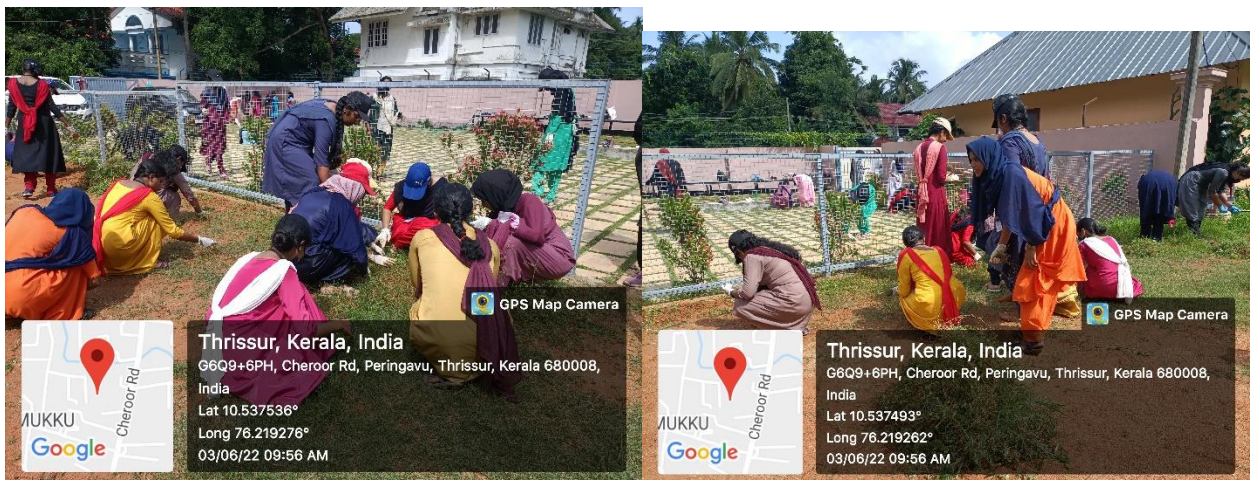
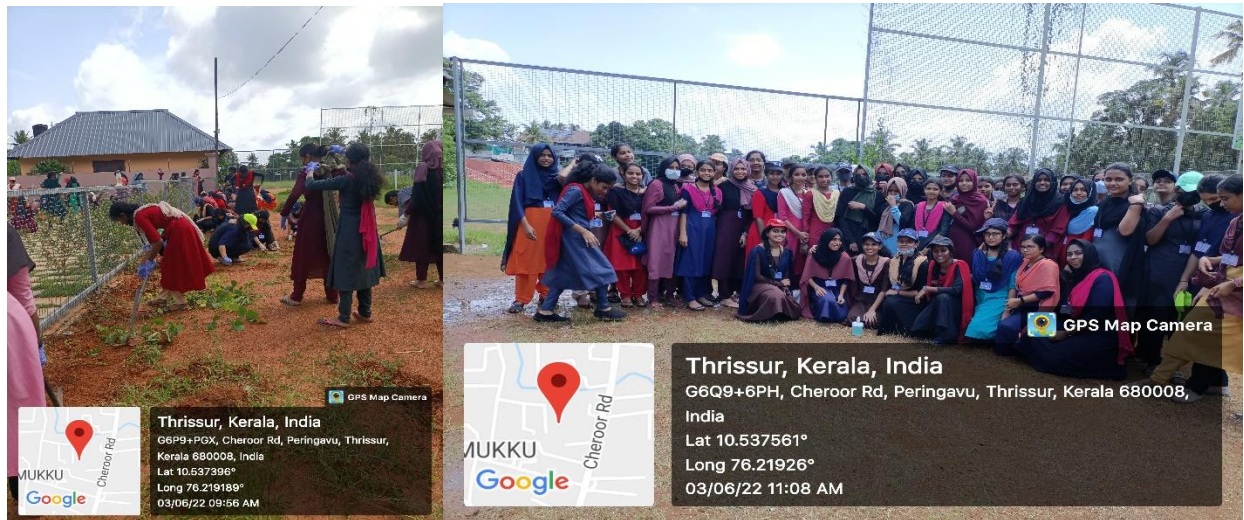


Microbiology Association Activity (2022-2023)

➤ World Environment Day Celebrations 2022 (5th June 2022)

In connection with World Environment Day, the department organized cleaning and awareness programs. The Sports ground of our college at Chembukkavu was cleaned by II DC, II PG students and faculty members. II PG students also released a video content on “പ്രതിരോധം ജാഗ്രതയിലൂടെ 2022 -മഴക്കാല രോഗങ്ങളും പ്രതിവിധിയും” to spread awareness among public on the hygiene measures to prevent monsoon diseases. Video was telecasted through Marian Webisode, the official Youtube channel of St Mary’s College, Thrissur. Video link: <https://youtu.be/6haYQHK96fQ>



➤ **Independence Day Celebrations 2022 (15th August 2022)**

In connection with Independence Day Celebrations 2021, Department organized a Painting competition on the theme “Har Ghar Tiranga”. Participants were requested to prepare original painting in A4 Size on the theme - Har Ghar Tiranga and to mail a good quality unedited photograph of the painting to microbiology.dept@smctsr.ac.in on or before 20.08.2022. A Handwriting competition was also organized where the participants should prepare an original write up of 100-150 words on a freedom fighter, either in English or in Malayalam and a good quality photograph of the handwritten document to be mailed to microbiology.dept@smctsr.ac.in on or before 20.08.2022. There were 27 participants for the Handwriting competition and 4 participants for the Painting competition. Certificates were given to winners.

Department of Microbiology
St. Mary's College, Thrissur – 20
 NAAC re-accredited with A+ Grade
 Organizing online competitions
in connection with 75th Independence Day

Painting Competition

- Prepare original painting in A4 Size
- Theme - Har Ghar Tiranga
- A good quality unedited photograph of the painting to be mailed to microbiology.dept@smctsr.ac.in on or before 20.08.2022

Handwriting Competition

- Prepare an original write up of 100-150 words on a freedom fighter
- Either in English or in Malayalam
- A good quality photograph of the handwritten document to be mailed to microbiology.dept@smctsr.ac.in on or before 20.08.2022

Organizing Committee
 Dr. Sr. Magie Jose
 Principal, St. Mary's College, Thrissur
Team Micro
 Dr. C R Meera (HOD)
 Dr. Dhanya KC (Coordinator)
 Dr. Mabel Merlen Jacob
 Mrs. Elizabeth P Thomas
 Dr. Greshma PV
 Mrs. Ruveena TN
 Mrs. Asha P Antony
 Akshara Babu (Student Coordinator)

Name, Class, Contact No. & College Details must be mentioned in the mail

For more details, contact - 9947496077

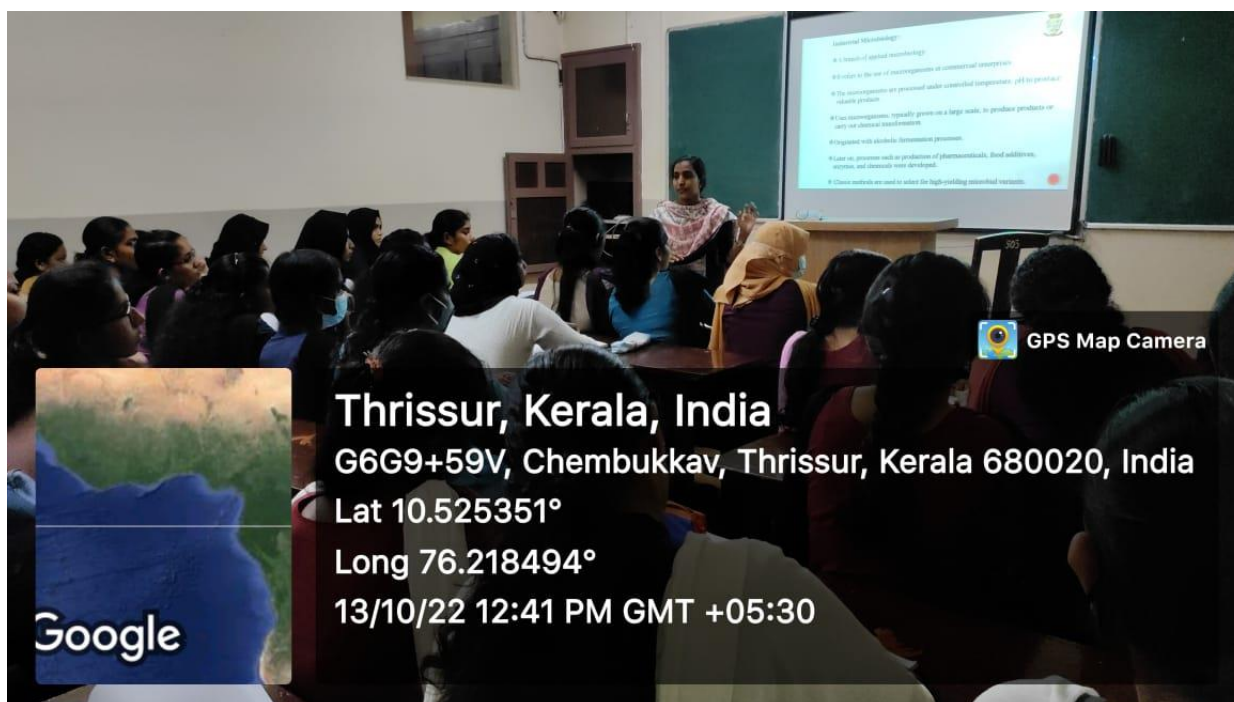
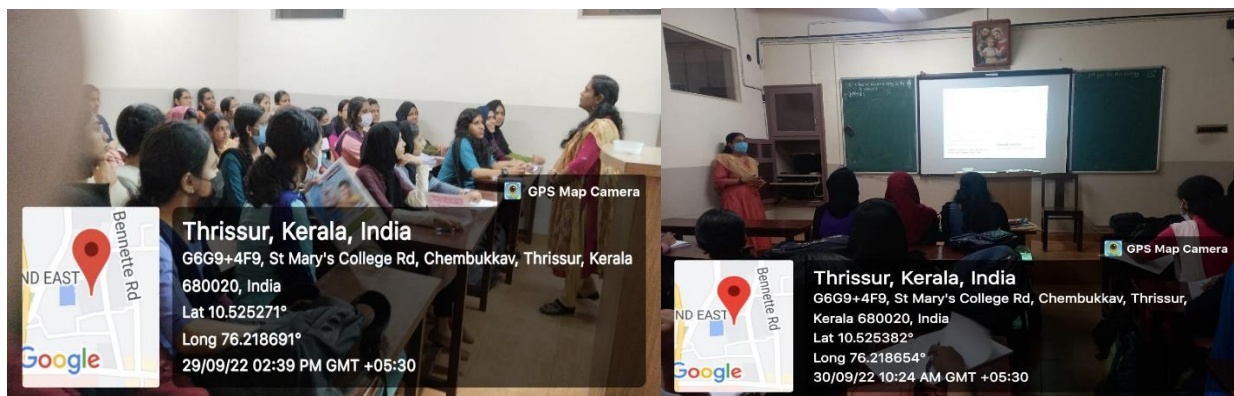
Winners of the competitions are

	Painting Competition	Handwriting Competition
First Prize	Gayathri VG, II BSc Microbiology, St Mary's College, Thrissur	Siya C Santhosh, II BSc Botany, St Mary's College, Thrissur
Second Prize	Niveditha S, II BSc Microbiology, St Mary's College, Thrissur	Shemija PC, III B. Voc Applied Microbiology and Forensic Science, St. Joseph College, Irinjalakkuda
Third Prize	--	Gokul K V, III BA English and History, St Thomas College, Thrissur

➤ **Bridge Course for I DC students (28th September to 13th October 2022)**

A bridge course was conducted for I year B Sc students to familiarize them with Microbiology and its different related branches. Faculty members of the Department conducted classes on various topics from 28th September to 13th October 2022.

Date	Faculty	Topic	Time
28-09-2022	Elizabeth P Thomas	Introduction to Medical Microbiology: Beware of villains around us	2.25-3.15 pm
29-09-2022	Dr Greeshma PV	Introduction to Food Microbiology	2.25-3.15 pm
07-10-2022	Dr. Dhanya KC	Past, Present and Future of Microbiology	9.40 - 11.40 am
10-10-2022	Dr C R Meera	Discovery of Microorganisms: History at a Glimpse	8.40 to 9.35 am
11-10-2022	Ruveena TN	Role of Microbes in Agricultural and Environmental sustainability	12.30 -1.30 pm
12-10-2022	Mabel Merlen Jacob	Applied microbiology - microbial products and processes	2.25 -3.15 pm
13-10-2022	Asha P Antony	Industrial Microbiology - An overview	12.30 - 1.30 pm



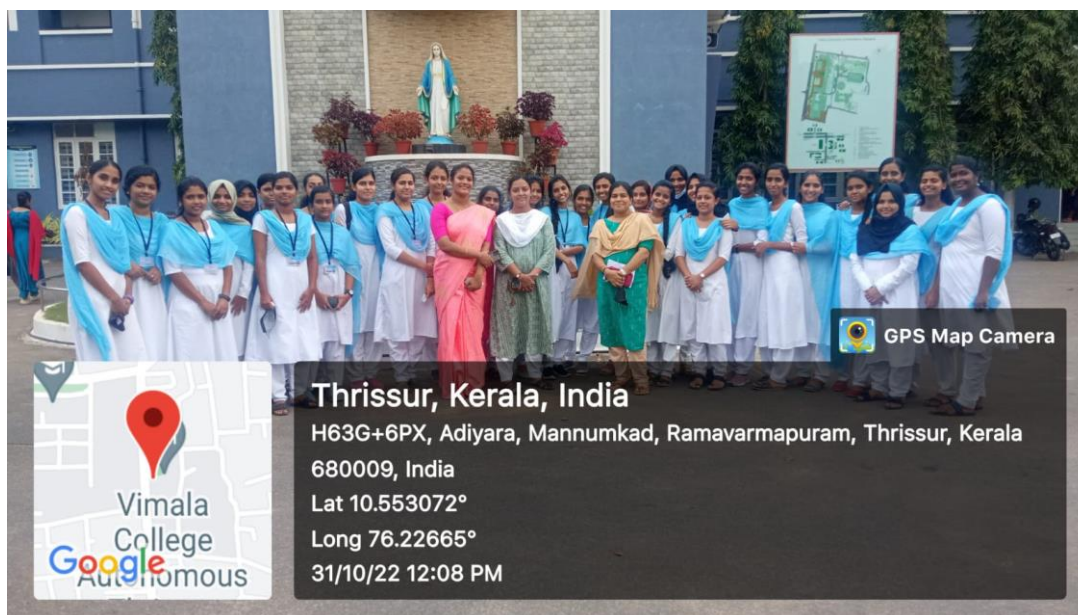
➤ Industrial Visit to Milma (3th October 2022)

As part of industrial visit, a group of 48 first year Microbiology students visited Milma Ramavarmapuram Dairy Unit to learn the functioning of an industrial unit. Dr Mabel Merlen Jacob and Dr Deepa G Muriken accompanied the students. MILMA Thrissur Dairy in Ramavarmapuram is a leading participant in the Dairy Product Retailers sector in Thrissur. The students were shown around the unit in a group of 24 pupils with a tutor. A guide went over the processes raw milk receiving, quality check, chilling, pasteurization, homogenization, quality check after pasteurization, packaging, cleaning etc. The unit also makes ghee and other subsidiary items, which were explained to us.



➤ **Visit to “Foodie Carnival” at Vimala college, Thrissur (31st October 2022)**

In connection with World Food Day PG students and faculty members of Microbiology department of St Mary’s College visited the exhibition “Foodie Carnival” organized by Food and Nutrition Department of Vimala College, Thrissur on 31/10/2022. The exhibition was very informative. Working models of the processing of food industries, their waste management, meat processing and milk processing methods were exhibited in the hall. Demonstration on the different methods used to analyze adulteration in food substances is also performed by the students. Models of Milling process and dehydration process was explanatory. Our students participated in the quiz conducted by the organizers. At the end of the exhibition a food stall of homemade snacks and drinks was also arranged. Students participated and won many prizes in the games arranged by the organizers. Mrs Ruveena TN and Mrs Elizabeth P Thomas accompanied 34 PG students.



➤ **World AIDS Day Celebration (1st December 2022)**

Department of Microbiology, in connection with World AIDS Day 2022, conducted an awareness video making competition on 1st December, 2022. Competition was announced for college students and participants were requested to submit a one minute MP4 video in Malayalam, a total of 7 team entries were received. Asna T I and team, I MSc Microbiology, Shelin Jose, III BSc Microbiology & Abiya and team, II BSc Microbiology were the first, second, & third prize winners respectively. Certificates were given to all winners and a cash prize of Rs. 1000/- was also awarded to the first prize winner.

Participants list of AIDS Awareness video-making competition

Sl No	Name of Participants	Department
1.	Asna T I & Team (Aparna K, Jilma Mathew C, Riya Samson M, Ann Theresa Joseph, Ann Rose C O, Binisy PB,	1 PG Microbiology

	Chaithanya BS, Afifa P A, Neeshma Shajan, Saranya VS, Fitha K K, Megha Roy, Fahmitha C M, Shemseena M V, Gayathri Suresh B, Ridha K)	
2.	Tesna Thomas & Team (Fidha, Sowpanika, Amala, Aisha, Sheima)	II DC Microbiology
3.	Abiya Joy & Team (Kerolina Thobias, Nideya, Saniya Sunny V, Dhaya Das, Jelsa Joy, Akshara, Nandhana)	II DC Microbiology
4.	Shelin Jose	III DC Microbiology
5.	Bahjala & Team (Swara T Biju, Sharon Elsa Varghese, Fathima Shahla, Gayathri VG, Aswathy, Alka Francis)	II DC Microbiology
6.	Stephy Thomas & Team (Niveditha, Salma, Shifa, Anjana, Swaliha, Athiralakshmi, Hridya)	II DC Microbiology
7.	Gadha AS & Team (Nandhana Satheeshan, Karthika Chandran, Swathy K S, Nileena Sunilkumar, Anukrishna)	II DC Microbiology

Winners of the competition are as follows.

I	II	III
Asna T I & Team I MSc Microbiology St Mary's College, Thrissur-20	Shelin Jose III B Sc Microbiology St Mary's College, Thrissur-20	Abiya & Team II B Sc Microbiology St Mary's College, Thrissur-20

An Awareness video by II MSc Microbiology students, was released on Marian Webisode, Youtube channel of IQAC, St Mary's College, Thrissur on 1st December, 2022.

Program link: <https://youtu.be/0V4FKIXrPKE>

➤ **Orientation on CUCBCSS (13th December 2022)**

An orientation was conducted on the Choice Based Credit Semester System of Calicut University for the IDC and IPG students and their parents. A detailed session on the semester system, grading, exams, papers and syllabus was held. Mrs Ruveena T N and Dr Mabel Merlen Jacob, Faculty members of Microbiology Department handled the I PG and IUG sessions respectively.

➤ **Microbiology Association Election (16th December 2022)**

Microbiology Association Election was conducted during the tutorial hour and following members were elected for the academic year 2022-2023.

SI No:	Name	Class	Positions held
1	Neeshma Shajan	I PG	President
2	Unnimaya T D	III DC	Vice President
3	Nandhana Satheeshan	II DC	General Secretary
4	Fathima Nasrin	III DC	Treasurer
5	Aleena Saijohn	II DC	
6	Akshaya C S	II PG	Association Representatives
7	Fitha K K	I PG	
8	Nayana P D	III DC	
9	Anagha Raghu	II DC	
10	Meenakshi Pramod	I DC	

➤ **Microbiology Association Inauguration and invited talk (19th December 2022)**

Activities of Microbiology Association 2022-2023 was inaugurated by Dr. Pradeep C. Raghavan, Associate Professor, Department of Obstetrics and Gynecology, Medical College of Wisconsin, United States, on 19th December 2022. The inauguration was followed by an invited talk on the topic “**Protein Synthesis Mechanisms in Cancer**”

Cells” in which Dr. Pradeep elaborated on detailed molecular aspects of protein synthesis in cancer cells compared to normal cells.

Department of Microbiology
St Mary's College, Thrissur-20
(Affiliated to University of Calicut / NAAC Re-accredited with A+ Grade)

proudly presents

Microbiology Association Inauguration
(2022-2023)
&
Expert Lecture on

*"Protein Synthesis
Mechanisms in Cancer Cells"*

on 19th December 2022

Venue: St Joseph's AC Seminar Hall
Time: 2 to 3.30 PM

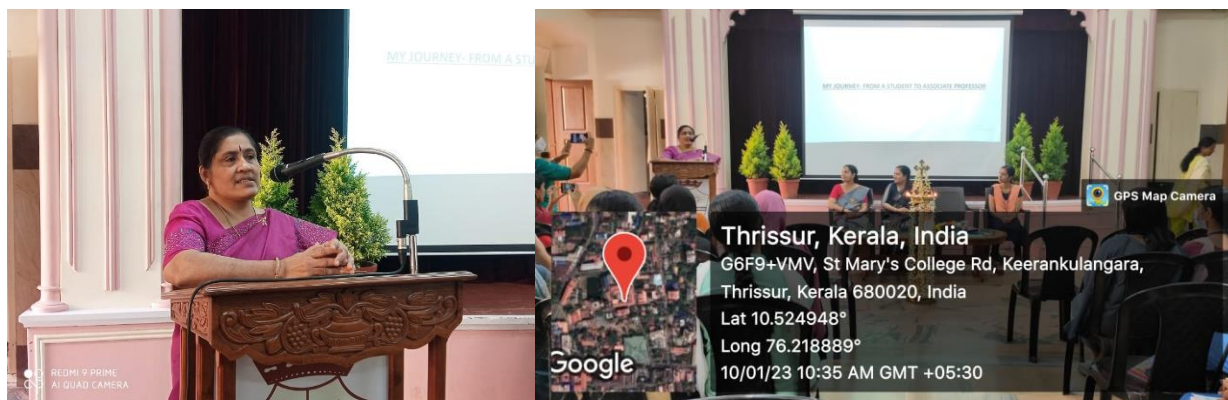
Our Chief Guest

Dr. Pradeep C. Raghavan
Associate Professor;
Linda G & Herbert J Buchsbaum, MD,
Chair in Gynecologic Oncology,
Department of Obstetrics and
Gynecology,
Medical College of Wisconsin,
United States

Thrissur, Kerala, India
6609+59V, Chembukkav, Thrissur, Kerala
680020, India
Lat 10.525154°
Long 76.218408°
19/12/22 02:38 PM GMT +05:30

➤ **My Journey-Career Path Sharing (10th January 2023)**

Department of Microbiology in collaboration with the Microbiology Alumni Association initiated a new program –“ **My Journey: Career Path Sharing Series**”. It’s a joint venture to motivate and guide students of the Microbiology Department through interaction with Eminent Scientists, Academicians, Researchers, and Entrepreneurs in Microbiology and related fields. The program was officially inaugurated by Dr. Valsa A K, Associate Professor & HoD (Retd), Department of Microbiology, Sree Sankara College, Kalady, on 10th January 2023. Dr. Valsa also delivered a session on “My journey- From a student to Professor”.



➤ **Three day workshop on HACCP Level 3 (10th , 13th -14th, February 2023)**

Department of Microbiology organized a “Three-day Workshop on Hazard Analysis and Critical Control Point (HACCP)–Level 3” on 10th, 13th-14th, February 2023, for III UG and II PG students. The sessions were handled by Dr.N. Anandavally, (WHO and FAO Consultant; HACCP Auditor), Managing Director, Food Safety Solutions International, Cochin. The department is going to host a “State Level Seminar on Microbiological aspects of Food Safety and Quality Assurance” cosponsored by Kerala State Council for Science, Technology and Environment” on 21st February 2023.

Three day Workshop on Hazard Analysis And Critical Control Point (HACCP) - Level 3

Resource Person
Dr. N. Anandavally
 (WHO and FAO Consultant; HACCP Auditor)
 Managing Director
 Food Safety Solutions International, Cochin

Date : 10th, 13th-14th February 2023
Venue : St. Mary's College, Thrissur

Organised By
Department of Microbiology
St. Mary's College, Thrissur -20
 (Affiliated to University of Calicut /
 NAAC Re-accredited with A+ Grade)

LEVEL 3
 HAZARD-ANALYSIS
 CRITICAL-CONTROL-POINT (HACCP)
HACCP
 HAZARD ANALYSIS CRITICAL CONTROL POINT

➤ **Expert Lecture And Demo in association with IIC (18th January 2023)**

On 18th January 2023 Institution's Innovation Council and the Department of Microbiology of St. Mary's college, Thrissur jointly organized an expert lecture and demo on Introduction to Ultraviolet Disinfection Robot (UVD Robots). Mr. Christo Kollannur, Co-founder and Director of Estro Tech Robotics and Innovation Pvt. Ltd., Thrissur was the resource person. The programme commenced at 9.30 am at the St. Joseph's seminar hall. Students were introduced to UVD robots briefly. History of robotics, different parts and mechanisms of a robot were also explained. Mr. Christo extended the session by sharing his experience during the development of UVD Robots showing the prototype making video, his journey of getting a patent for the same and also how he successfully builds a startup company from the scratch. There was a demo video on the working of UVD Robots in the session. The session was overall very informative on the present start up scenario in Kerala and also about recent trends in the robotics industry. The lecture ended after a very enthusiastic interactive session. Neeshma Shajan, I PG student of Microbiology welcomed the chief guest. Irine Tressa T. Joy, the student coordinator expressed vote of thanks to all the dignitaries and audience.



➤ **പ്രതിരോധം ജാഗ്രതയിലൂടെ-2023 - Communicable Diseases Awareness Programme (16th to 21st February 2023)**

Department of Microbiology organised Communicable Diseases Awareness programme as part of പ്രതിരോധം ജാഗ്രതയിലൂടെ-2023 during February 2023. II UG Microbiology students prepared awareness videos on different Communicable diseases and these videos were telecasted through the official You tube Channel of college, Marian Webisode.



SI No:	Topic	Participants	Date	Link
1	Introduction to Communicable diseases	Fidha Yousaf C Y Tesna Thomas Sowparnika Rajesh Arakkal Shaima Asharaf Ayisha Nezrin Amala Jaison	16.02.2023	https://youtu.be/zik3yiQusao

2	Air Borne Diseases	Athira Sajan Anagha Raghu Neha Nazrin Fathimath Safa Faiha Namar ul haque Anika Mariya Thomas Aiswarya. K. S	17.02.2023	https://youtu.be/9FX-p0NF4aU
3	Water Borne Diseases	Swara T Biju Sharon Elsa Varghese Fathima Shahla Bahjala TV Gayathri V G Alka Francis Aswathi K S	18.02.2023	https://youtu.be/Re2z7xB05Xs
4	Vector Borne Diseases	Nandhana Satheeshan Karthika Chandran Aleena Saijohn Gadha AS Swathy KS Nileena Sunilkumar Jeeva Raj Anukrishna KR	19.02.2023	https://youtu.be/VHWTpcei8JQ
5	Sexually transmitted and Direct Contact Spread Communicable Diseases	Kerolina Thobias Saniya sunny Nideya Bhattathiripad Abiya Joy Jelsa Joy Dhaya Das	20.02.2023	https://youtu.be/0TMxIK2WyRo

		Akshara Babu Nandhana K B		
6	Communicable Diseases Spread through Body Fluids and Contaminated Objects	Niveditha AS Hridhya A U Anjana kunnathully Rajeev Salma V S Swaliha P A Shifa Iatheef Stephy Thomas Athiralakshmi.T	21.02.2023	https://youtu.be/aJOi463AV8s

➤ **Visit to Central Marine Fisheries Research Institute, Cochin (CMFRI) (9th February 2023)**

50 students from III UG and 16 students from II PG and 3 tutors in charge Dr Meera CR, Dr Greeshma PV and Smt. Elizabeth P Thomas of the Department of Microbiology, St. Mary's College, Thrissur visited the Central Marine Fisheries Research Institute, Cochin (CMFRI), as a part of the curriculum activities on 9th February, 2023, Thursday.

The industrial visit started from the college at 8:30 am and we reached CMFRI at 10:00 am. A common description about CMFRI were given by Dr. Jenni B, Assistant Chief Technical Officer and played a common video regarding the history and developments in CMFRI. The first visit was to the general instrumentation room where the chief scientist explained about instruments and students were familiarized with various instruments such as Phase contrast microscopy, HPLC, Flash Evaporator, Sectioning instruments, Fluorescent Microscope, Distillation Unit, Various types of Incubators etc. Second area visited was Marine Biodiversity which contained 2052 specimens, collection consisted of herbarium, preserved specimens from fishes, Marine Algae, Seagrass, Phylum Arthropoda, Phylum Mollusca, Phylum Echinodermata, Ascidiars and Marine Algae displayed as

Herbarium. Also contained different fishing devices and technologies in common use such as cage culturing and models were also displayed. Then finally visited Marine Research Aquarium. The live, beautiful and colorful fishes were displayed in big aquarium along with information such as their scientific names, common names both in Hindi and Malayalam, environment, suitable climate, biology etc.



➤ **KSCSTE Co-sponsored State-Level Seminar on “Microbiological Aspects of Food Safety and Quality Assurance” (21st February 2023)**

A one day State level seminar on Microbiological Aspects of Food Safety and Quality Assurance was jointly organised by the Kerala State council for Science, Technology and Environment (KSCSTE) and Department of Microbiology, St. Mary’s College, Thrissur on 21st February 2023. The seminar offered an exemplary platform for interaction and exchange of ideas among students, research scholars, academicians and scientists in this field.

Dr. C R Meera, HOD, Microbiology Department extended a warm welcome to all the participants and distinguished delegates. The official inauguration followed, with lighting the lamp ceremony by the distinguished guest of the day, Dr. Sudheer K P, Head of RAFTAAR Agribusiness Incubator & ICAR National Fellow, Head, Department of Agricultural Engineering, Kerala Agricultural University, Mannuthy, Thrissur. Dr. N.

Anandavally, WHO and FAO Consultant; HACCP Auditor, Managing Director of Food Safety Solutions International, Cochin, Dr. Sr. Meena K Cheruvathur, Vice-Principal, St. Mary's College and Dr. Dalie Dominic A, IQAC co-ordinator, St. Mary's College were present. In the inaugural address Dr. Sudheer K P emphasized the relevance of the subject of the seminar in the present scenario especially after pandemic. This was followed by the presidential address in which, Dr. Sr. Meena K Cheruvathur, Vice Principal, St. Mary's College, contemplated on the increasing importance of food safety measures now a days. This was followed by felicitation by Dr. Dalie Dominic A who congratulated the department for the initiative taken in conducting the seminar. The inaugural session concluded with vote of thanks by Mrs. Asha P Antony, Assistant Professor, Department of Microbiology, St. Mary's College.





➤ Visit to KFRI (6th March 2023)

As a part of curriculum, we, a group of 60 microbiology students (II BSc Microbiology & I PG Microbiology) visited KFRI on 6 March 2023, with our faculty members Dr. Dhanya K C, Mrs. Ruveena T N and Mrs. Asha P Antony. We started our journey at 9.30am from St Mary's college and Reached our destination KFRI at 10 am. Visited the Germination room, seed preservation room, Bamboo nursery, Wild life museum, Centre for Analytical Instrumentation (CAI-KFRI). KFRI is home to a number of highly sophisticated experimental research laboratories and includes tissue culture, clonal multiplication, Physiology lab, wild life biology, Soil science, Molecular biology laboratory, Wood science & technology lab, Biochemistry lab, Entemology lab, Forest pathology laboratory etc.





➤ **Thyroid Detection Camp for staff members (17th March 2023)**

Department of Microbiology, St. Mary's College, Thrissur in association with Thyrocare, Thrissur conducted a free thyroid check up-camp for the teaching and non-teaching staff on 17/03/2023 from 9.30-12.30 in the Jubilee hall, St. Mary's College, Thrissur. In addition to free thyroid check-up, attractive health test packages for testing liver profile, kidney profile, Electrolytes, hemogram etc were available at discounted rates. About 95 teaching and non-teaching staff benefitted from the camp.

