



G. T. N. ARTS COLLEGE (AUTONOMOUS), DINDIGUL
DEPARTMENT OF ZOOLOGY
GLIMPSES OF DBT ACTIVITIES – ACADEMIC YEAR 2023-24

S.No	Type of Programme	Title of the Programme	Number of Programme	Date
1	Workshop	Session I Exploring the Key Role of DNA, RNA, and Protein in Biological Research.	5	03.11.2023
		Session II Exploring Bioinformatics tools and their applications in Biological Research		
		Point of Care Testing for COVID 19, HIV and HBV		14.03.2024
		Isolation of Plasmid from Bacteria		15.03.2024
		Molecular Techniques and Basic Bioinformatics		20.03.2024
2	Seminar	Emerging Trends in Biosciences	2	01.02.2024 to 03.02.2024
		New Horizons in Bio-Medical Research		14.03.2024 to 15.03.2024
3	Hands on Training	Designing and Characterization of Green Nano Silver Drug	5	20.10.2023
		Histopathological Techniques and Applications		31.01.2024
		Isolation of DNA and RNA from Microalgae		15.03.2024
		Thin Layer Chromatographic Technique.		15.03.2024
		Haemoglobinometer and Haemocytometer		20.03.2024
4	SIP & FDP	Session I – Strengthening Interdisciplinary Science Education (for Students)	1	04.11. 2023
		Session II – Effective Implementation of DBT Star Scheme (for Faculty)		
5	Interdepartmental Activities	Science Day Celebration	1	14.03.2024
6	Workshop for Lab Assistants	Lab Management and Bio-safety Measures	1	27.03.2024
7	Intracollegiate Meet	Save Birds from Extinction	1	30.01.2024
8	Field Visit to Scientific Laboratories and Research Institute	Madurai Kamaraj University, Biotechnology and Genomics Lab Visit	1	13.10 2023
		AVN Ayurvedic Formulations, Pvt. Ltd. Madurai	1	11. 01.2024
9	Internship	Ramakrishna Medical Centre, Tiruchirapalli” in association with “Rudraash Diagnostics Labs & Pvt Ltd, Dindigul	1	18.12.2023 to 29.12.2023

10	Outreach activity	Awareness Programme on Biological Sciences	1	20.03.2024
11	Guest Lecture	Ozone Day – Awareness on Environmental Protection, Ozone Depletion and Human Health	2	21.09.2023
		Microbial Culture Techniques		27.03.2024

One day workshop in Biological Sciences on 03.11.2023



One-Day Workshop on “Exploring the Key Role of DNA, RNA, and Protein in Biological Research”. The resource person was Dr. K. Sujatha, Assistant Professor of Zoology, Lady Doak College, Madurai. Around 75 students and 6 staff members participated in the program.



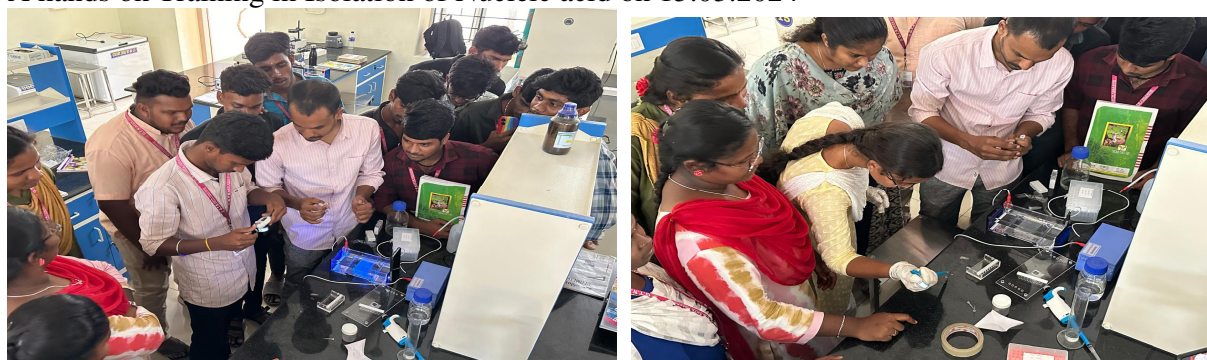
Afternoon Section focused on “Exploring Bioinformatics tools and their applications in Biological Research. The resource person was Dr. A. Mahalakshmi, Assistant Professor of Zoology, Lady Doak College, Madurai. Around 75 students and 6 staff members participated in the program.

One Day Workshop in Molecular techniques in diseases diagnosis on 14.03.2024



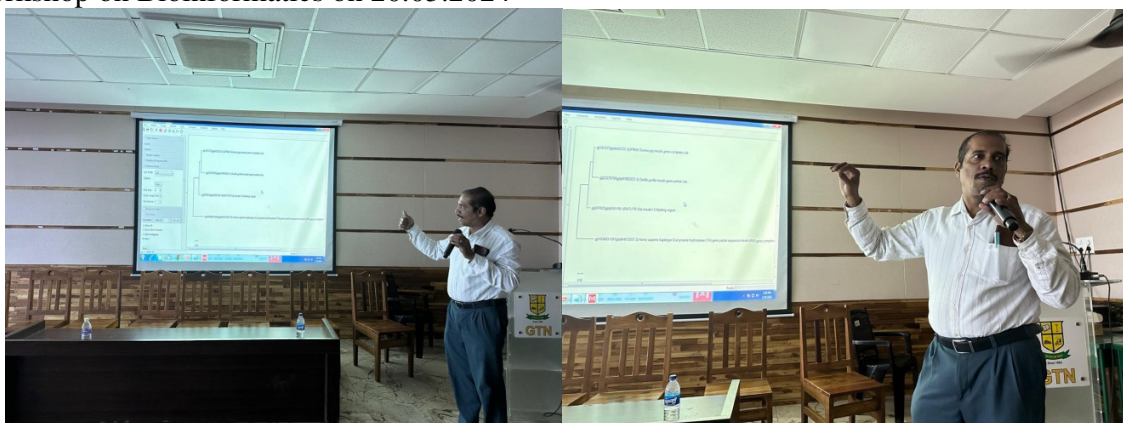
Workshop on “Point of Care Testing for COVID 19, HIV and HBV”. The resource person was **Dr. M. Jayalakshmi**, Associate Professor and Head, Dept. of Immunology, Madurai Kamaraj University, Madurai. Around 87 students and 6 staff members participated in the program.

A hands on Training in Isolation of Nucleic acid on 15.03.2024



Hands on Training on Isolation of DNA and RNA from Microalgae. The resource person was the Scholars of **Dr. P. VARALAKSHMI**, Associate Professor & Head, Department of Molecular Microbiology, Madurai Kamaraj University, Madurai. About 44 students were participated in the training program.

Workshop on Bioinformatics on 20.03.2024



Workshop on Molecular Techniques and Basic Bioinformatics. The resource person was **Dr. B. Rajagopal**, Assistant Professor, Department of Zoology, M.V.M Govt. Arts College for Women – Dindigul. About 85 students and 6 faculty members participated.

A Three Day National Seminar on Emerging Trends in Biosciences – 2024 (NSETB'24) from 01.02.2024 to 03.02.2024



Three day National seminar on Emerging Trends in Biosciences-2024. Various resource person namely Dr. R. Ramasubbu, Assistant Professor of Biology, Gandhi gram Rural University, Gandhi gram, Dr. Arun Y P, Project Consultant, ICAR-NIVEDI, Yelahanka, Bengaluru, Karnataka, Dr. P. U. Krishnaraj, Professor & Head, Normal Borlaug International Centre for Research and Development, University of Agricultural Sciences, Dharwad, Karnataka. Around 105 students and 6 faculty members participated in the national Seminar.

A Two day State level Seminar in New Horizons in Bio-Medical Research – 2024



Two day National seminar on New Horizons in Bio-Medical Research – 2024 from 14th to 15th March 2024. Various resource person from reputed research institutions namely Dr. P. Sundaresan, Senior Scientist, Department of Genetics, Aravind Medical Research Foundation, Aravind Eye Hospital, Madurai, Dr. Kathiresan Natarajan, Scientist – C, Rajiv Gandhi Centre for Biotechnology (RGC), Thiruvananthapuram, Kerala, Dr. M. Jayalakshmi, Associate Professor and Head, Dept. of Immunology, School of Biological sciences, Madurai Kamaraj University, Madurai. Around 87 students and 6 faculty members participated in the national Seminar.

Hands on Training in Green Nano-partical Drug on 20.10.2023



Hands on Training was given on the topic “Designing and Characterization of Green Nano Silver Drug”. The resource person was Dr .Sekar Vijayakumar, Post Doctoral Research Fellow, Marine College, Shandong University P,R, China. Around 70 Students and 6 faculty members participated in the training program.

Hands on training in Histopathology on 31.01.2024



Hands on Training was conducted on Histopathological Techniques and its Applications. The resource person was Dr. P. Senthil Elango, Assistant Professor M.V. M Govt. Arts College for Women – Dindigul. Around 215 students and 6 faculty members participated in the training program.

Hands on Training in Thin Layer Chromatography on 15.03.2024



Hands on Training was given in Layer Chromatography Techniques. The research Scholars of Dr. P. Varalakshmi , Associate Professor & Head, Department of Molecular Microbiology, Madurai Kamaraj University, Madurai. About 44 students were participated in the training program.

Hands on Training in Haematological Techniques on 20.03.2024



Hands on Training in Haemoglobinometer and Haemocytometer was with knowledge resource of Dr. P. Senthil Elango, Assistant Professor M.V. M Govt. Arts College for Women – Dindigul. About 77 students and 6 faculty members participated in the program.

One day FDP & SIP on Effect of DBT Star College Scheme on 04.11.2023



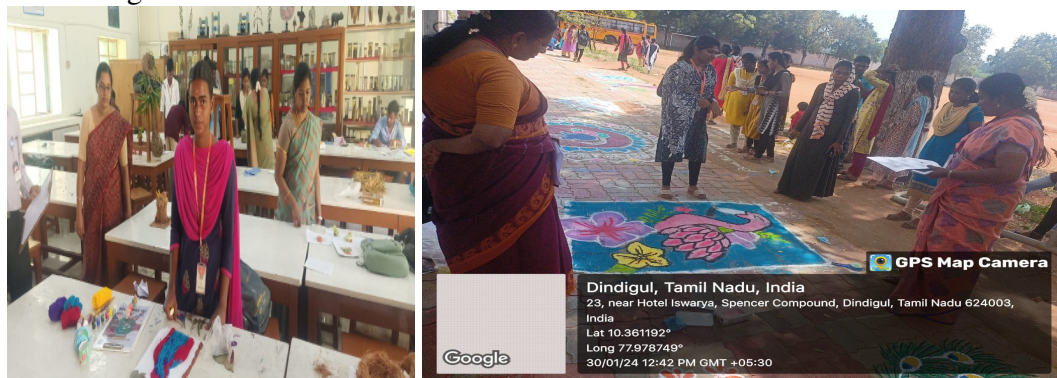
FDP was conducted in the topics “Effective Implementation of DBT Star College Scheme” & “Interdisciplinary approach towards DBT star college scheme”. The resource persons Dr. P.B. Harathi, Assistant professor of Zoology and Dr.M. Lavanya Assistant professor of Physics, PSGR Krishnamal College for Women, Coimbatore. Around 135 students and 16 faculty members participated in the FDP & SIP.

Workshop for Laboratory staffs on 27.03.2024



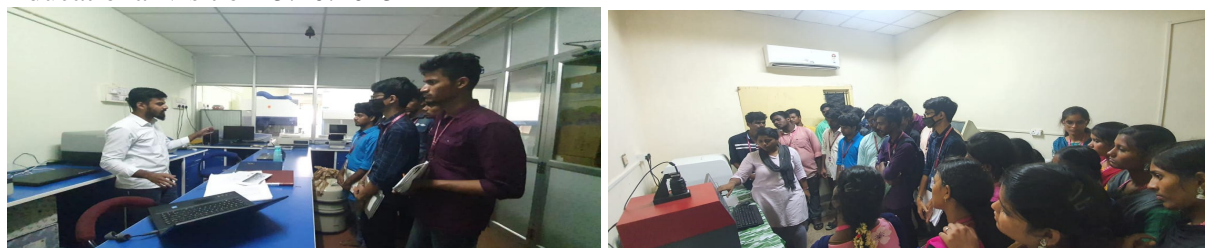
Workshop was conducted for the Lab Assistant staffs on Lab Management and Bio safety Measures. The resource person Dr. T. Rohini, Assistant Professor, Department of Microbiology, Mannar Thirumalai Naicker College, Madurai. About 16 Lab attenders participated in the workshop.

Intracollegiate Meet - Save Birds From Extinction on 30.01.2024



Intracollegiate meeting was organized to celebrate Birds day, where several competitions like Pencil Drawing, Bird nest making, Rangoli, Clay modeling etc., were conducted. Around 600 students participated in the meet.

Educational visit on 13.10.2023



Educational visit was made to various departments like Genomics, Genetics, Biotechnology, ICMR funded Mosquito controlling lab, Microbiology in Madurai Kamaraj University, Madurai. About 34 students and 3 faculty members participated in the visit.

Industrial Visit on 11.01.2024



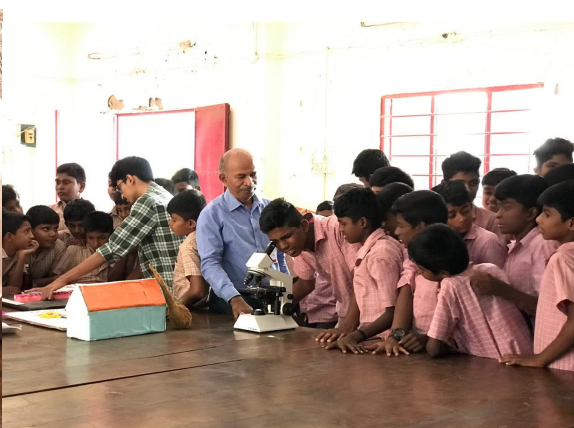
Industrial visit was conducted to AVN Ayurvedic Formulations, Pvt Ltd, Madurai, on 11.01.2024. Around 30 students and 2 faculty members participated in the visit.

Internship Training from 18.12.2023 to 29.12.2023



Internship training was done in Ramakrishna Medical Centre, Tiruchirapalli, in association with Rudraash Diagnostics Labs & Pvt Ltd, Dindigul by 33 students of B.Sc., Zoology from 18.12.2023 to 29.12.2023

Outreach Activity - Government Higher Secondary School on 20.03.2024



Outreach activity was conducted on 20.03.2024 for the High school students of Government Higher Secondary School to motivate and create awareness and interest in Biological Sciences using Microscopes, Blood Grouping kits, Gram staining kits, Human models, charts and videos.